

#### **Kane County**

Government Center 719 S. Batavia Ave., Bldg. A Geneva, IL 60134

# KC Administration Committee Agenda

KIOUS, Juby, Berman, Davoust, Ford, Gumz, Young, ex-officios Pierog (County Chair) and Tepe (County Vice Chair)

Wednesday, September 13, 2023 10:00 AM County Board Room

- 1. Call To Order
- 2. Roll Call
- 3. Remote Attendance Requests
- 4. Approval of Minutes: August 9, 2023
- 5. Finance Report
  - **A.** Monthly Finance Reports (attached)
- 6. Public Comment (Agenda Items)
- 7. Facilities Master Plan Update (Jason Dwyer, Wight & Co.)
- 8. Executive Director's Report (R. Fahnestock)
- 9. Building Management (H. Thompson)
  - **A. Resolution:** Ratifying an Emergency Purchase Affidavit to Purchase a 2023 Ford Escape Hybrid for the Building Management Department
  - **B.** Resolution: Authorization of a Contract for Kane County Generator Maintenance Services
  - C. Resolution: Authorizing a Contract Extension for a Water Testing Firm for the Judicial Center Campus with Phigenics Independent Water Management of Warrenville, IL
  - **D. Resolution:** Authorizing a Contract Extension for a Water Operator for the Judicial Center Campus with Sheaffer and Roland of Geneva, IL
  - **E. Resolution:** Authorizing a Contract for Building Management Snow Plowing Services
  - F. Resolution: Authorizing a Contract for Kane County Electrician Services
  - **G. Resolution:** Authorizing a Contract for Fire Protection Services
  - **H. Resolution:** Authorizing Additional Expenditure of Funds for Online Marketplace and Maintenance, Repair, and Operations (MRO) Supplies & Equipment

I. Resolution: Authorizing the Kane County Sheriff's Office New Administration Wing Project and a Budget Rollover

#### 10. Information Technology (C. Lasky)

- **A. Resolution:** Ratifying an Emergency Purchase Affidavit to Purchase a 2023 Ford Escape Hybrid for the Information Technologies Department
- **B.** Resolution: Authorizing Expenditure of Funds for Multi-Function Copier Devices, Service Solutions, Print Goods, and Service Renewal
- C. Resolution: Authorizing Expenditure of Funds for Copiers, Printers, and Related Services Renewal
- D. Resolution: Authorizing Expenditure of Funds for Copiers, Printers, and Related Services Renewal
- **E. Resolution:** Authorizing Expenditure of Funds for Network Storage and Services
- **F. Resolution:** Authorizing Expenditure of Funds for Computer Hardware, Software, and Services

#### 11. Mill Creek SSA (R. Fahnestock)

- **A. Resolution:** Authorizing the Extension for Landscape Maintenance Service for the Mill Creek Special Service Area
- **B.** Resolution: Authorization for Mill Creek Parkway Tree Installation Services Contract Extension
- **C. Resolution:** Authorizing an Extension of Concrete Lifting and Repair Services Agreement for the Mill Creek Special Service Area
- **D.** Resolution: Authorizing an Agreement for Mill Creek Special Service Area Snow Plowing Services
- 12. Vehicles
- 13. New Business
- 14. Old Business
- 15. FY24 Budget Presentations
  - **A.** Building Management Department
  - **B.** Information Technology Department
  - **C.** GIS Department
  - D. Mill Creek Special Service Area

- E. Budget Worksheets
- 16. Reports Placed On File
- 17. Executive Session (if needed)
- 18. Public Comment (Non-Agenda Items)
- 19. Adjournment

STATE OF ILLINOIS )
SS.
COUNTY OF KANE )

# FINANCE REPORT NO. TMP-23-1203 MONTHLY FINANCE REPORTS (ATTACHED)

### Administration Committee Revenue Report - Summary Through August 31, 2023 (75.00% YTD)

	 rent Month insactions	T	otal Amended Budget	YTD Actual Transactions	Total % Received
060 Information Technologies	\$ 95,518	\$	3,474,573	\$ 1,957,704	56.34%
001 General Fund	\$ 4,918	\$	1,251,913	\$ 927,602	74.09%
101 Geographic Information Systems	\$ 90,600	\$	1,921,160	\$ 672,210	34.99%
385 IL Counties Information Mgmt		\$	4,000	\$ 4	0.09%
390 Web Technical Services		\$	297,500	\$ 357,888	120.30%
080 Building Management	\$ 7,632	\$	50,659	\$ 22,895	45.19%
001 General Fund	\$ 7,632	\$	50,659	\$ 22,895	45.19%
Grand Total	\$ 103,149	\$	3,525,232	\$ 1,980,599	56.18%

#### Administration Committee Expenditure Report - Summary Through August 31, 2023 (75.00% YTD, 73.08% Payroll Expense through Pay Period Ending 08/19/2023)

		rrent Month	T	otal Amended Budget	YTD Actual Transactions	En	YTD cumbrances	Total % Used
060 Information Technologies	¢	491,789	¢	7,339,264	4,375,433		168,219	61.91%
001 General Fund	\$	342,493	\$	5,114,094	\$ 2,851,828		34,692	56.44%
101 Geographic Information Systems	\$	116,687	\$	1,921,160	\$ 1,236,626	\$	86,960	68.90%
354 Mass Vaccination Fund			\$	2,510	\$ -	\$	-	0.00%
385 IL Counties Information Mgmt	\$	24	\$	4,000	\$ 651	\$	-	16.27%
390 Web Technical Services	\$	32,585	\$	297,500	\$ 286,328	\$	46,567	111.90%
080 Building Management	\$	633,987	\$	9,056,947	\$ 5,158,258	\$	543,260	62.95%
001 General Fund	\$	633,987	\$	9,036,772	\$ 5,154,418	\$	543,260	63.05%
354 Mass Vaccination Fund			\$	20,175	\$ 3,840	\$	-	19.03%
Grand Total	\$	1,125,775	\$	16,396,211	\$ 9,533,691	\$	711,479	62.48%

#### Administration Committee Expenditure Report - Detail Through August 31, 2023 (75.00% YTD, 73.08% Payroll Expense through Pay Period Ending 08/19/2023)

	urrent Month ransactions	To	otal Amended Budget	T	otal Amended Budget	YTD Actual ransacations	E	YTD ncumbrances	Total % Used
060 Information Technologies	\$ 491,789	\$	-	\$	7,339,264	\$ 4,375,433	\$	168,219	61.91%
001 General Fund	\$ 342,493	\$	-	\$	5,114,094	\$ 2,851,828	\$	34,692	56.44%
Personnel Services- Salaries & Wages	\$ 232,994	\$	-	\$	3,252,646	\$ 2,169,357	\$	-	66.70%
Personnel Services- Employee Benefits	\$ 49,846	\$	-	\$	740,409	\$ 438,505		-	59.22%
Contractual Services	\$ 52,168	\$	-	\$	1,000,089	\$ 191,365		16,168	20.75%
Commodities	\$ 7,485	\$	-	\$	120,950	\$ 52,602	\$	18,524	58.81%
101 Geographic Information Systems	\$ 116,687	\$	-	\$	1,921,160	\$ 1,236,626	\$	86,960	68.90%
Personnel Services- Salaries & Wages	\$ 57,137	\$	-	\$	800,756	\$ 525,080	\$	-	65.57%
Personnel Services- Employee Benefits	\$ 17,925	\$	-	\$	262,802	\$ 170,348	\$	-	64.82%
Contractual Services	\$ 41,351	\$	-	\$	685,514	\$ 486,963	\$	86,960	83.72%
Commodities	\$ 274	\$	-	\$	39,200	\$ 7,719	\$	-	19.69%
Capital	\$ -	\$	-	\$	99,272	\$ 12,899	\$	-	12.99%
Transfers Out	\$ -	\$	-	\$	33,616	\$ 33,616	\$	-	100.00%
354 Mass Vaccination Fund	\$ -	\$	-	\$	2,510	\$ -	\$	-	0.00%
Contractual Services	\$ -	\$	-	\$	1,770	\$ -	\$	-	0.00%
Commodities	\$ -	\$	-	\$	740	\$ -	\$	-	0.00%
385 IL Counties Information Mgmt	\$ 24	\$		\$	4,000	\$ 651	\$	-	16.27%
Contractual Services	\$ 24	\$	-	\$	4,000	\$ 651	\$	-	16.27%
390 Web Technical Services	\$ 32,585	\$	-	\$	297,500	\$ 286,328	\$	46,567	111.90%
Contractual Services	\$ 32,585	\$	-	\$	297,500	\$ 286,328	\$	46,567	111.90%
080 Building Management	\$ 633,987	\$	-	\$	9,056,947	\$ 5,158,258	\$	543,260	62.95%
001 General Fund	\$ 633,987	\$	-	\$	9,036,772	\$ 5,154,418	\$	543,260	63.05%
Personnel Services- Salaries & Wages	\$ 171,242	\$	-	\$	2,022,712	\$ 1,277,689	\$	-	63.17%
Personnel Services- Employee Benefits	\$ 34,448	\$	-	\$	542,085	\$ 259,201	\$	-	47.82%
Contractual Services	\$ 248,851	\$	-	\$	2,848,097	\$ 2,438,416	\$	543,260	104.69%
Commodities	\$ 179,445	\$	-	\$	3,623,878	\$ 1,179,112	\$	0	32.54%
354 Mass Vaccination Fund	\$ -	\$	-	\$	20,175	\$ 3,840	\$	-	19.03%
Contractual Services	\$ -	\$	-	\$	11,842	\$ 3,840	\$	-	32.43%
Commodities	\$ -	\$	-	\$	8,333	\$ -	\$	-	0.00%
Grand Total	\$ 1,125,775	\$	-	\$	16,396,211	\$ 9,533,691	\$	711,479	62.48%

#### Administration Committee Mill Creek Revenue Report - Summary Through August 31, 2023 (75.00% YTD)

	<b>Current Month</b>	Total Amended			YTD Actual			
	<b>Transactions</b>		Budget		Transactions	<b>Total % Received</b>		
690 Development	\$ 10,103	\$	1,009,409	\$	471,071	46.67%		
520 Mill Creek Special Service Area	\$ 10,103	\$	1,009,409	\$	471,071	46.67%		
Grand Total	\$ 10,103	\$	1,009,409	\$	471,071	46.67%		

#### Administration Committee Mill Creek Expenditure Report - Summary Through August 31, 2023 (75.00% YTD, 73.08% Payroll Expense through Pay Period Ending 08/19/2023)

	Cur	rent Month	To	otal Amended	}	TD Actual		YTD	
	Tra	insactions		Budget	Tı	ransactions	En	cumbrances	Total % Used
690 Development	\$	34,525	\$	1,009,409	\$	367,333	\$	177,568	53.98%
520 Mill Creek Special Service Area	\$	34,525	\$	1,009,409	\$	367,333	\$	177,568	53.98%
Grand Total	\$	34,525	\$	1,009,409	\$	367,333	\$	177,568	53.98%

#### Administration Committee Mill Creek Expenditure Report - Detail Through August 31, 2023 (75.00% YTD, 73.08% Payroll Expense through Pay Period Ending 08/19/2023)

	Cu	rrent Month	To	otal Amended	•	YTD Actual		YTD	
	Tr	ansactions		Budget	Т	ransactions	Er	ncumbrances	Total % Used
690 Development	\$	34,525	\$	1,009,409	\$	367,333	\$	177,568	53.98%
520 Mill Creek Special Service Area	\$	34,525	\$	1,009,409	\$	367,333	\$	177,568	53.98%
Personnel Services- Salaries & Wages	\$	5,253	\$	69,758	\$	49,904	\$	-	71.54%
Personnel Services- Employee Benefits	\$	2,189	\$	28,041	\$	20,086	\$	-	71.63%
Contractual Services	\$	26,634	\$	858,814	\$	260,280	\$	177,568	50.98%
Commodities	\$	449	\$	26,900	\$	11,167	\$	-	41.51%
Transfers Out	\$	-	\$	25,896	\$	25,896	\$	-	100.00%
Grand Total	\$	34,525	\$	1,009,409	\$	367,333	\$	177,568	53.98%



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Vendor	Invoice No.	Invoice Description	Status	Held Reason	Invoice Date	Due Date	G/L Date	Received Date	Payment Date	Invoice Amount
Fund <b>001 - General Fund</b>										
Department 060 - Information Techno										
Sub-Department <b>060 - Information 1</b>	echnologies									
Account <b>50150 - Contract</b> u	ial/Consulting S	Services								
2480 - Iron Mountain Information	HSVJ580	INV#HSVJ580 Shred	Paid by EFT #		07/31/2023	08/01/2023	08/01/2023		08/14/2023	252.96
Management, LLC		Service for HR Containers	81758							
12891 - Special Project Staffing dba The	4222767	Contractual Employee	Paid by EFT #		07/27/2023	08/01/2023	08/01/2023		08/14/2023	756.00
Salem Group	T0500 471 11 /	TN / // TO FOO 4TN /	81853		00/04/0000	00/00/0000	00/00/0000		00/44/2022	6 742 00
1229 - Therm Flo Incorporated	T25894INV	INV#T25894INV Cooling System Service - Judicial Center			08/01/2023	08/03/2023	08/03/2023		08/14/2023	6,712.00
1229 - Therm Flo Incorporated	T25895INV	INV#T25895INV Cooling System Service - IT Department	Paid by EFT # 81869		08/01/2023	08/03/2023	08/03/2023		08/14/2023	7,333.00
12891 - Special Project Staffing dba The Salem Group	4227099	Contractual Employee	Paid by EFT # 82162		08/03/2023	08/08/2023	08/08/2023		08/28/2023	756.00
12891 - Special Project Staffing dba The Salem Group	4231384	Contractual Employee	Paid by EFT # 82162		08/10/2023	08/15/2023	08/15/2023		08/28/2023	453.60
2480 - Iron Mountain Information	202752389	INV#202752389	Paid by EFT #		07/31/2023	08/08/2023	08/08/2023		08/28/2023	1,180.42
Management, LLC		Multi-Media Bin Transportation	82054							·
2038 - Defin.Net Solutions Inc	8047	Consulting Services	Paid by EFT # 81996		08/16/2023	08/16/2023	08/16/2023		08/28/2023	9,000.00
		А	ccount <b>50150</b> ·	- Contractual/	Consulting Se	rvices Totals	Invo	ice Transactions	8	\$26,443.98
Account <b>52150 - Repairs a</b>	nd Maint- Comn	n Equip								
12729 - Telcom Innovations Group LLC	A60106	INV#A60106 Phone/Handset Cord/UCC License Order	Paid by EFT # 82177		08/14/2023	08/16/2023	08/16/2023		08/28/2023	23,964.00
		A	Account <b>52150</b>	- Repairs and	Maint- Comm	<b>Equip</b> Totals	Invo	ice Transactions	: 1	\$23,964.00
Account <b>53100 - Conference</b>	ces and Meeting	IS								
2371 - Eric C Gwillim	072723b	VMWare Conference 2023 - Flight	Paid by EFT # 81737		07/27/2023	08/01/2023	08/01/2023		08/14/2023	369.96
4798 - John Zakosek	072623	VMWare Conference 2023 - Flight	Paid by Check # 382023		07/26/2023	08/01/2023	08/01/2023		08/14/2023	369.96
4526 - Fifth Third Bank	0758-CL-07/23	Lasky MasterCard 07/05/2023- 08/04/2023	Paid by EFT # 82014		08/04/2023	08/10/2023	08/10/2023		08/28/2023	(1,495.00)
4526 - Fifth Third Bank	0689-JZ-07/23	Zakosek MasterCard 07/05/2023- 08/04/2023	Paid by EFT # 82014		08/04/2023	08/10/2023	08/10/2023		08/28/2023	360.54
			Account 5	3100 - Confer	ences and Mee	etings Totals	Invo	ice Transactions	4	(\$394.54)



Payment Date Range 08/01/23 - 08/31/23

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Vendor	Invoice No.	Invoice Description	Status	Held Reason	Invoice Date	Due Date	G/L Date	Received Date	Payment Date	Invoice Amount
Fund <b>001 - General Fund</b>										
Department <b>060 - Information Techno</b>										
Sub-Department <b>060 - Information 1</b>	_									
Account <b>53120 - Employee</b>										
11670 - Brooke Roff	072823	Mileage Reimbursement	Paid by EFT # 81842		07/28/2023	08/01/2023	08/01/2023		08/14/2023	43.03
			Account 53	120 - Employe	ee Mileage Ex	pense lotals	Inve	oice Transactions	1	\$43.03
Account 60000 - Office Sup	•	7	D : !! FFT #		00/04/2022	00/40/2022	00/40/2022		00/20/2022	64.24
4526 - Fifth Third Bank	0689-JZ-07/23	Zakosek MasterCard 07/05/2023- 08/04/2023	Paid by EFT # 82014		08/04/2023	08/10/2023	08/10/2023		08/28/2023	64.21
				Account <b>600</b>	00 - Office Su	<b>pplies</b> Totals	Inv	oice Transactions	1	\$64.21
Account 60020 - Computer										
4526 - Fifth Third Bank	0758-CL-07/23	Lasky MasterCard 07/05/2023- 08/04/2023	Paid by EFT # 82014		08/04/2023	08/10/2023	08/10/2023		08/28/2023	639.99
4526 - Fifth Third Bank	0689-JZ-07/23	Zakosek MasterCard 07/05/2023- 08/04/2023	Paid by EFT # 82014		08/04/2023	08/10/2023	08/10/2023		08/28/2023	6,293.27
		00/01/2023	Account 60	020 - Comput	er Related Su	pplies Totals	Inv	oice Transactions	2	\$6,933.26
Account 60110 - Printing S	Supplies									1 - 7
3578 - Warehouse Direct, Inc.	IN497589	INV#IN497589 Blade Sharpening Service for Copy Center	Paid by EFT # 81887		08/01/2023	08/03/2023	08/03/2023		08/14/2023	200.00
1119 - Gordon Flesch Company Inc	IN14321474	INV#IN14321474 Yellow House Per Copy Charge	Paid by EFT # 82030		08/14/2023	08/16/2023	08/16/2023		08/28/2023	4.63
1119 - Gordon Flesch Company Inc	IN14325731	INV#IN14325731 IT Building Per Copy Charge	Paid by EFT # 82030		08/16/2023	08/18/2023	08/18/2023		08/28/2023	102.29
		J. 14. 30		Account <b>60110</b>	- Printing Su	<b>pplies</b> Totals	Inv	oice Transactions	3	\$306.92
Account 63040 - Fuel- Veh	icles									
13021 - WEX BANK	90868339	INV#90868339 Fuel for Vehicles ITD	Paid by EFT # 81896		07/31/2023	08/01/2023	08/01/2023		08/14/2023	328.69
				Account 630	040 - Fuel- Ve	<b>chicles</b> Totals	Inve	oice Transactions	1	\$328.69
			Sub-Departmen			_	Inv	oice Transactions	21	\$57,689.55
			Departmen	t <b>060 - Inform</b>	nation Techno	<b>logies</b> Totals	Inv	oice Transactions	21	\$57,689.55
Department <b>080 - Building Manageme</b> Sub-Department <b>080 - Building Mgm</b>	t- Government									
Account <b>52000 - Disposal</b> a 1216 - Waste Management of Illinois - West		272844823000 ROLLOFF 37W699 06/01-06/15/23	Paid by EFT # 81889		06/16/2023	07/24/2023	07/24/2023		08/14/2023	566.44

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Payment Date Range 08/01/23 - 08/31/23

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Vendor	Invoice No.	Invoice Description	Status	Held Reason	Invoice Date	Due Date	G/L Date	Received Date Payment	Date Invoice Amount
Fund <b>001 - General Fund</b>									
Department 080 - Building Managem									
Sub-Department 080 - Building Mg	mt- Government	Center							
Account <b>52000 - Disposa</b>	l and Water Softe	ner Srvs							
1216 - Waste Management of Illinois - West	422525420119	272844823000 07/01- 07/15/23	Paid by EFT # 81888		07/17/2023	07/24/2023	07/24/2023	08/14/20	23 390.00
1216 - Waste Management of Illinois - West	422243 7-2011- 3	· JAIL 07/01/2023 REG & RECYCLE	Paid by EFT # 82200		07/06/2023	08/09/2023	08/09/2023	08/28/20	23 364.00
1216 - Waste Management of Illinois - West	422774120113	109552683007 adult corr 08/01-08/31/2023	Paid by EFT #		08/03/2023	08/10/2023	08/10/2023	08/28/20	23 333.62
1216 - Waste Management of Illinois - West	4227740-2011- 5	109549393004 OCH 08/01-08/31/23	Paid by EFT # 82206		08/03/2023	08/11/2023	08/11/2023	08/28/20	223.66
1216 - Waste Management of Illinois - West	422773920117		Paid by EFT #		08/03/2023	08/16/2023	08/16/2023	08/28/20	2,747.89
1216 - Waste Management of Illinois - West	422243520117	,	Paid by EFT # 82204		07/06/2023	08/16/2023	08/16/2023	08/28/20	2,082.89
1216 - Waste Management of Illinois - West	422244020117	10955655300506/29/2 3 OLD CORRECTIONS	Paid by EFT # 82200		07/06/2023	08/16/2023	08/16/2023	08/28/20	23 37.72
1216 - Waste Management of Illinois - West	422243620115		Paid by EFT # 82205		07/06/2023	08/17/2023	08/17/2023	08/28/20	23 347.76
			count <b>52000 -</b> I	Disposal and \	Water Softene	r Srvs Totals	Invo	oice Transactions 9	\$7,093.98
Account <b>52010 - Janitori</b> a	al Services			-					
8196 - Peterson Cleaning, Inc. (PCI Services, Inc.)	299	06/20-06/30/23 GC, OCH, CAC CIC, 1240, ELECTIONS	Paid by EFT # 81822		07/25/2023	08/01/2023	08/01/2023	08/14/20	9,517.25
8196 - Peterson Cleaning, Inc. (PCI Services, Inc.)	301	06/20-06/30/23 SHERIFF	Paid by EFT # 81822		07/25/2023	08/01/2023	08/01/2023	08/14/20	4,280.50
8196 - Peterson Cleaning, Inc. (PCI Services, Inc.)	302	JC 06/20-06/30/23	Paid by EFT # 81822		07/25/2023	08/01/2023	08/01/2023	08/14/20	12,295.26
8196 - Peterson Cleaning, Inc. (PCI Services, Inc.)	303	MPB 06/20-06/30/23	Paid by EFT # 81822		07/25/2023	08/01/2023	08/01/2023	08/14/20	1,901.50
8196 - Peterson Cleaning, Inc. (PCI Services, Inc.)	290	06/05-06/18/23 GC OCH CAC CIC 1240 ELECTIONS	Paid by EFT # 81822		07/05/2023	08/01/2023	08/01/2023	08/14/20	23 11,193.50
8196 - Peterson Cleaning, Inc. (PCI Services, Inc.)	292	06/05-06/18 sheriff	Paid by EFT # 81822		07/05/2023	08/01/2023	08/01/2023	08/14/20	4,330.01
8196 - Peterson Cleaning, Inc. (PCI Services, Inc.)	294	06/05-06/18 MPB	Paid by EFT # 81822		07/05/2023	08/01/2023	08/01/2023	08/14/20	1,724.25
8196 - Peterson Cleaning, Inc. (PCI Services, Inc.)	295	06/05-06/18/23 JJC	Paid by EFT # 81822		07/05/2023	08/01/2023	08/01/2023	08/14/20	6,458.01
8196 - Peterson Cleaning, Inc. (PCI Services, Inc.)	293	JC 07/05-07/18/23	Paid by EFT # 81822		07/05/2023	08/01/2023	08/01/2023	08/14/20	13,446.05
8196 - Peterson Cleaning, Inc. (PCI	304	JJC 06/20-06/30/23	Paid by EFT # 81822		07/25/2023	08/03/2023	08/03/2023	08/14/20	6,888.46

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Payment Date Range 08/01/23 - 08/31/23

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Vendor	Invoice No.	Invoice Description	Status	Held Reason	Invoice Date	Due Date	G/L Date	Received Date Payment Date	Invoice Amount
Fund <b>001 - General Fund</b>									
Department 080 - Building Managemer									
Sub-Department 080 - Building Mgmt		Center							
Account <b>52010 - Janitorial</b> S	Services								
8196 - Peterson Cleaning, Inc. (PCI	312	JJC 07/03-07/14/23	Paid by EFT #		08/02/2023	08/10/2023	08/10/2023	08/28/2023	7,878.19
Services, Inc.)	240	16 07/02 07/14/22	82116		00/02/2022	00/40/2022	00/40/2022	00/20/2022	11.005.20
8196 - Peterson Cleaning, Inc. (PCI Services, Inc.)	310	JC 07/03-07/14/23	Paid by EFT # 82116		08/02/2023	08/10/2023	08/10/2023	08/28/2023	11,865.29
8196 - Peterson Cleaning, Inc. (PCI	309	SHERIFF 07/03-	Paid by EFT #		08/02/2023	08/10/2023	08/10/2023	08/28/2023	4,077.92
Services, Inc.)	303	07/14/23	82116		00/02/2025	00/10/2023	00/10/2023	00/20/2023	1,077.52
8196 - Peterson Cleaning, Inc. (PCI	311	MPB 07/05-07/14/23	Paid by EFT #		08/02/2023	08/10/2023	08/10/2023	08/28/2023	2,204.25
Services, Inc.)			82116						
8196 - Peterson Cleaning, Inc. (PCI	307	07/03-07/14/23 GC	Paid by EFT #		08/02/2023	08/10/2023	08/10/2023	08/28/2023	10,276.25
Services, Inc.)		OCH CAC CIC 1240	82116						
		ELECTIONS	۸	ccount <b>52010</b> ·	Innitorial Co	nvicos Totals	Inve	oice Transactions 15	\$108,336.69
Account <b>52110 - Repairs an</b>	d Maint- Buildi	nge	A	ccount <b>32010</b>	- Janitoriai Se	I VICES TOtals	TIIVC	DICE ITALISACTIONS 13	\$100,550.09
1558 - Sherwin Williams	5905-1	bldg a paint	Paid by Check		07/25/2023	08/01/2023	08/01/2023	08/14/2023	63.86
1330 - Sherwin Williams	J90J-1	blug a pairit	# 382012		07/23/2023	00/01/2025	00/01/2023	00/14/2023	03.00
1558 - Sherwin Williams	0851-4	GC PAINT	Paid by EFT #		07/28/2023	08/02/2023	08/02/2023	08/14/2023	110.42
			81847					• •	
1581 - Malcor Roofing of Illinois, Inc.	4283	BLDG C 07/14/23	Paid by Check		07/28/2023	08/03/2023	08/03/2023	08/14/2023	290.00
		DRAIN PIPE LEAKING	# 381996						
		B.S. WILL CALL PLUMBER							
1581 - Malcor Roofing of Illinois, Inc.	4284	KBC ICI ROOF REPAIR	Paid by Check		07/28/2023	08/04/2023	08/04/2023	08/14/2023	960.80
1301 Haleof Rooming of Immole, The	1201	NDC 101 NCO1 NEI / LIN	# 381996		07,20,2023	00,01,2023	00,01,2025	00/11/2025	300.00
3502 - Wm F Meyer Co	S4367292.001	JAIL LEVER WASTE	Paid by Check		06/26/2023	08/03/2023	08/03/2023	08/14/2023	361.40
		VALVE	# 382022						
10054 - Quincy Compressor, LLC	1123074131	JAIL DRYER MAIKING	Paid by EFT #		07/26/2023	08/02/2023	08/02/2023	08/14/2023	395.00
		NOISE 610023 FILTER	81834						
		& REGULATOR BAD NO PARTS							
5896 - Chem-Wise Ecological Pest	1171877	154026 08/01/2023	Paid by Check		08/01/2023	08/02/2023	08/02/2023	08/14/2023	564.00
Management, Inc.	11, 10, ,	ALL BLDGS	# 381935		00,01,2023	00,02,2023	00, 02, 2023	00/11/2023	50 1100
6267 - Chicago Hollow Metal, Inc. (The	I 2212-07	JIAL KITCHEN REDO	Paid by Check		07/24/2023	08/02/2023	08/02/2023	08/14/2023	1,925.00
Door Doctors)		FRAME	# 381936						
1505 - F.E. Moran Inc. Mechanical Services	5067006-1	OCH - KBC RTUS	Paid by EFT #		07/26/2023	08/02/2023	08/02/2023	08/14/2023	1,200.00
		GOING OFFLINE / NOT	81716						
1505 - F.E. Moran Inc. Mechanical Services	001 501149000	SURE WHICH BLDG MPB CORONER	Paid by EFT #		07/31/2023	08/04/2023	08/04/2023	08/14/2023	5,850.00
1303 - T.E. Moran Inc. Mechanical Services	001-3011-6000	CONTROLLER	81716		07/31/2023	00/04/2023	00/04/2023	00/14/2023	3,630.00
		REPLACEMENT	01/10						
13938 - Gehrke Technology Group, Inc.	2302338	JC BOILER	Paid by EFT #		07/25/2023	08/03/2023	08/03/2023	08/14/2023	35.00
· · · · · · · · · · · · · · · · · · ·		TREATMENT	81728		•	•	•		

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	Invoice No.	Invoice Description	Status	Held Reason	Invoice Date	Due Date	G/L Date	Received Date Payment Date	Invoice Amount
Fund <b>001 - General Fund</b> Department <b>080 - Building Management</b>									
Sub-Department <b>080 - Building Mgmt-</b>		Center							
Account <b>52110 - Repairs and</b>									
-	9774889019	JJC FUSES	Paid by EFT # 81733		07/19/2023	08/02/2023	08/02/2023	08/14/2023	54.96
3060 - Grainger Inc	9791211163	JJC COGGED V- BELT,3VX600,60IN MANUFACTURER # 3VX600	Paid by EFT # 81733		08/02/2023	08/04/2023	08/04/2023	08/14/2023	169.08
3060 - Grainger Inc	9790902127	JC LOCKERLOCK KEYPAD	Paid by EFT # 81733		08/02/2023	08/04/2023	08/04/2023	08/14/2023	37.08
2470 - Ace Hardware-Aurora/Batavia	K37897	1240 PARTS	Paid by Check # 381918		07/20/2023	08/03/2023	08/03/2023	08/14/2023	31.99
2470 - Ace Hardware-Aurora/Batavia	k37957	1240 PARTS MISC	Paid by Check # 381918		07/26/2023	08/03/2023	08/03/2023	08/14/2023	31.87
14041 - Aero Building Solutions	590537	FABYAN JAIL WO# 479224 IAQ TESTING	Paid by EFT # 81632		02/27/2023	08/01/2023	08/01/2023	08/14/2023	1,822.00
14041 - Aero Building Solutions	585981	WO#474209 JAIL FABYAN IAO TESTING	Paid by EFT # 81632		11/29/2022	08/01/2023	08/01/2023	08/14/2023	2,708.00
6477 - Al Warren Oil Company, Inc.	W1578455	GC CAMPUS ALL GENERATORS FUEL	Paid by Check # 381919		07/28/2023	08/02/2023	08/02/2023	08/14/2023	1,272.51
8388 - Havlicek Geneva Ace Hardware LLC	102851	BLDG A NAIL WIRE, PRIVACY LEVER	Paid by EFT # 81741		07/19/2023	08/01/2023	08/01/2023	08/14/2023	33.64
8388 - Havlicek Geneva Ace Hardware LLC	102858	exchange COMM SINGCYL DBL T BRCHRM	Paid by EFT # 81741		07/19/2023	08/01/2023	08/01/2023	08/14/2023	.90
8388 - Havlicek Geneva Ace Hardware LLC	102746	OCH SWING CHECK VALVE	Paid by EFT # 81741		07/13/2023	08/03/2023	08/03/2023	08/14/2023	13.49
8388 - Havlicek Geneva Ace Hardware LLC	102730	GC BLDG G BULBS	Paid by EFT # 81741		07/12/2023	08/03/2023	08/03/2023	08/14/2023	16.99
8388 - Havlicek Geneva Ace Hardware LLC	102618	GC SCEILING TILES	Paid by EFT # 81741		07/05/2023	08/03/2023	08/03/2023	08/14/2023	28.78
8388 - Havlicek Geneva Ace Hardware LLC	102616	bldg a cob	Paid by EFT # 81741		07/05/2023	08/03/2023	08/03/2023	08/14/2023	13.12
8388 - Havlicek Geneva Ace Hardware LLC	102662	BLDG A PARTS	Paid by EFT # 81741		07/07/2023	08/03/2023	08/03/2023	08/14/2023	4.49
8388 - Havlicek Geneva Ace Hardware LLC	102652	CAC GUTTER REPAIR	Paid by EFT # 81741		07/07/2023	08/03/2023	08/03/2023	08/14/2023	40.08
8388 - Havlicek Geneva Ace Hardware LLC	102939	BLG A 3RD FLOOR	Paid by EFT # 81741		07/25/2023	08/03/2023	08/03/2023	08/14/2023	10.79
1390 - Menards, Inc.	10090-23	JAIL rain suits???	Paid by EFT # 81797		07/03/2023	07/20/2023	07/20/2023	08/14/2023	166.85
1390 - Menards, Inc.	11127	BLDG C TILE	Paid by EFT # 81797		07/19/2023	07/24/2023	07/24/2023	08/14/2023	33.41

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Vendor	Invoice No.	Invoice Description	Status	Held Reason	Invoice Date	Due Date	G/L Date	Received Date Payment Date	Invoice Amount
Fund <b>001 - General Fund</b>									
Department 080 - Building Managem									
Sub-Department <b>080 - Building Mg</b>									
Account <b>52110 - Repairs</b>		_	Daid by CCT #		07/20/2022	00/01/2022	00/01/2022	00/14/2022	21.25
1390 - Menards, Inc.	11205	JJC ROD TENSION, DOOR STOP, HOOK, LINER	Paid by EFT # 81797		07/20/2023	08/01/2023	08/01/2023	08/14/2023	31.35
1390 - Menards, Inc.	09903	JJC MISC PARTS	Paid by EFT # 81797		06/30/2023	08/03/2023	08/03/2023	08/14/2023	36.41
1390 - Menards, Inc.	10986	SHOP PARTS	Paid by EFT # 81797		07/17/2023	08/03/2023	08/03/2023	08/14/2023	83.28
1390 - Menards, Inc.	10994	SHOP MISC PARTS	Paid by EFT # 81797		07/17/2023	08/04/2023	08/04/2023	08/14/2023	13.84
1390 - Menards, Inc.	11526	OCH PVC ADAPTOR ETC	Paid by EFT # 81797		07/25/2023	08/04/2023	08/04/2023	08/14/2023	242.04
1390 - Menards, Inc.	11582	GC LED LIGHTS	Paid by EFT # 81797		07/26/2023	08/04/2023	08/04/2023	08/14/2023	64.95
1390 - Menards, Inc.	11608	BLDG A REFRIGERATOR HR	Paid by EFT # 81797		07/26/2023	08/04/2023	08/04/2023	08/14/2023	598.00
1390 - Menards, Inc.	11914	BLDG B CEILING TILES			07/31/2023	08/04/2023	08/04/2023	08/14/2023	54.90
1390 - Menards, Inc.	11983	MPB TRX BRUTE FORCE BULK	Paid by EFT # 81797		08/01/2023	08/04/2023	08/04/2023	08/14/2023	13.79
1390 - Menards, Inc.	11984-23	KBC 100W 4 PK, CHECKOUT BAG	Paid by EFT # 81797		08/01/2023	08/04/2023	08/04/2023	08/14/2023	45.07
1390 - Menards, Inc.	08296	GC RESPIRATOR ANT TRAPS RAKES MISC	Paid by EFT # 82084		06/07/2023	08/08/2023	08/08/2023	08/28/2023	161.35
1390 - Menards, Inc.	12062	JC ALUM SHEET FLIP TOGGLE ANG	Paid by EFT # 82084		08/02/2023	08/10/2023	08/10/2023	08/28/2023	56.50
1390 - Menards, Inc.	12046	JAIL LM FIN TOOL, PLUG AC FOAM CLEANER	Paid by EFT # 82084		08/02/2023	08/10/2023	08/10/2023	08/28/2023	90.14
1390 - Menards, Inc.	10779	JAIL CG PARTS COPPER TUBING	Paid by EFT # 82084		07/14/2023	08/10/2023	08/10/2023	08/28/2023	21.42
1390 - Menards, Inc.	11620	JJC SPRAY PAINT	Paid by EFT # 82084		07/26/2023	08/10/2023	08/10/2023	08/28/2023	11.96
1390 - Menards, Inc.	07863	JAIL LM USING ALEX M NAME PVC MALE ADAPTER			06/01/2023	08/10/2023	08/10/2023	08/28/2023	20.64
1390 - Menards, Inc.	12204	OEM ICE MACHINE	Paid by EFT # 82084		08/04/2023	08/10/2023	08/10/2023	08/28/2023	26.17
1390 - Menards, Inc.	12194	MPB PLUMBING PARTS			08/04/2023	08/10/2023	08/10/2023	08/28/2023	105.61
1390 - Menards, Inc.	12364	JJC LOCK KEY ALIK C	Paid by EFT # 82084		08/07/2023	08/10/2023	08/10/2023	08/28/2023	5.19

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Vendor	Invoice No.	Invoice Description	Status	Held Reason	Invoice Date	Due Date	G/L Date	Received Date Payment Date	Invoice Amount
Fund <b>001 - General Fund</b>	THVOICE IVO.	THYOICE DESCRIPTION	Status	Ticia (Casori	THVOICE Date	Duc Dute	O/ L Dutc	Received Date Tayment Date	Invoice Amount
Department <b>080 - Building Managemen</b>	nt								
Sub-Department 080 - Building Mgmt		Center							
Account <b>52110 - Repairs an</b>									
1390 - Menards, Inc.	12116	JAIL LM PVC PIPE HANDY PACK FEM TRAP ASPT	Paid by EFT # 82084		08/03/2023	08/10/2023	08/10/2023	08/28/2023	84.36
1390 - Menards, Inc.	12197	KBC PARTS TOILET	Paid by EFT # 82084		08/04/2023	08/10/2023	08/10/2023	08/28/2023	212.88
1561 - Midwest Environmental Consulting Services, Inc.	23-626	Health- MOLD PROJECT MGMT PROP # 2307557	Paid by EFT # 82087		08/02/2023	08/08/2023	08/08/2023	08/28/2023	4,980.00
1604 - Motorola Solutions Inc	8281631643	4 MOTOROLA CHARGERS NNTN8860A	Paid by EFT # 82094		05/18/2023	08/10/2023	08/10/2023	08/28/2023	495.12
1604 - Motorola Solutions Inc	8281611110	4 BATT IMPRES 2 LIION R IP68 2550T PMNN44851	Paid by EFT # 82095		04/18/2023	08/10/2023	08/10/2023	08/28/2023	468.96
8388 - Havlicek Geneva Ace Hardware LLC	102771	JAIL LUIS M PURCHASE ADAPTER 11IN1 SCREW NUT DRIVER	Paid by EFT # 82039		07/14/2023	08/09/2023	08/09/2023	08/28/2023	15.18
8388 - Havlicek Geneva Ace Hardware LLC	102733	jail luis m purchase fasteners	Paid by EFT # 82039		07/12/2023	08/09/2023	08/09/2023	08/28/2023	12.72
8388 - Havlicek Geneva Ace Hardware LLC	103149	JJC PEDRO CAL LOCK USED JOSE	Paid by EFT # 82039		08/07/2023	08/10/2023	08/10/2023	08/28/2023	5.03
8388 - Havlicek Geneva Ace Hardware LLC	102050	JAIL LM 4 GFCI OUTLETS	Paid by EFT # 82039		06/01/2023	08/10/2023	08/10/2023	08/28/2023	93.56
2779 - ILLCO INC	1418334	JAIL WE CANCELLED SPECIAL ORDER PARTS AFTER THEY CAME IN	Paid by Check		07/27/2023	08/09/2023	08/09/2023	08/28/2023	(855.20)
2779 - ILLCO INC	1418128	MPB STOCK PARTS TURBOMULTI CAP RANGE	Paid by Check # 382083		07/21/2023	08/15/2023	08/15/2023	08/28/2023	72.98
2779 - ILLCO INC	1418127	OCH RTU4 PICK UP FILTERS	Paid by Check # 382083		07/21/2023	08/15/2023	08/15/2023	08/28/2023	230.98
6477 - Al Warren Oil Company, Inc.	W1583933	08/11/2023 SOLAR PANEL GENERATOR FUEL	Paid by Check # 382030		08/14/2023	08/17/2023	08/17/2023	08/28/2023	347.29
1191 - Alarm Detection Systems, Inc.	SI-597440	KBC 501 RANDALL 07/28/23 RESET ANNUNICATOR KEYPAD TROUBLE LIGHT	Paid by EFT # 81922		08/02/2023	08/18/2023	08/18/2023	08/28/2023	132.68
13837 - Ascher Brothers Co., Inc.	23408	JC JURY ROOM CONTRACT PAINTING	Paid by EFT # 81934		08/08/2023	08/17/2023	08/17/2023	08/28/2023	1,500.00



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Vendor	Invoice No.	Invoice Description	Status	Held Reason	Invoice Date	Due Date	G/L Date	Received Date Payment Date	Invoice Amount
Fund <b>001 - General Fund</b>									
Department 080 - Building Managemer									
Sub-Department 080 - Building Mgmt									
Account <b>52110 - Repairs an</b>									
12287 - Century Springs/Ove Water Services	2125462-a	JULY 14-31/2023 WATER PAID 40.01 ON 08/14/2023	Paid by EFT # 81963		07/31/2023	08/09/2023	08/09/2023	08/28/2023	32.03
8846 - Affiliated Customer Service Incorporated	S172492	JC FIRE PANEL TEST FAILED	Paid by EFT # 81917		08/11/2023	08/17/2023	08/17/2023	08/28/2023	2,037.00
3060 - Grainger Inc	9785996035	JC MOTOR MOUNTS	Paid by EFT # 82032		07/27/2023	08/08/2023	08/08/2023	08/28/2023	129.89
3060 - Grainger Inc	9788417450	BS GC BLDG A PARTS CONDENSATE PUMP	Paid by EFT # 82032		07/31/2023	08/09/2023	08/09/2023	08/28/2023	88.42
3060 - Grainger Inc	9790201637	TRUCK SUPPLY DN	Paid by EFT # 82032		08/01/2023	08/09/2023	08/09/2023	08/28/2023	41.50
3060 - Grainger Inc	9789805224	OCH TEMPERATURE SENSOR NICKEL	Paid by EFT # 82032		08/01/2023	08/10/2023	08/10/2023	08/28/2023	88.36
3060 - Grainger Inc	9781638565	JAIL TRASH CAN BELTS BOILER GAUGE CD METER ETC	Paid by EFT #		07/25/2023	08/10/2023	08/10/2023	08/28/2023	1,004.03
3060 - Grainger Inc	9782301338	JC MF PLUMBING SPUD, BELTS	Paid by EFT # 82032		07/25/2023	08/10/2023	08/10/2023	08/28/2023	79.88
3060 - Grainger Inc	9783708671	,	Paid by EFT # 82032		07/26/2023	08/10/2023	08/10/2023	08/28/2023	138.70
3060 - Grainger Inc	9780062064	LABEL STOCK BLANK SHIPPING TAG PAPER MANILA	Paid by EFT # 82032		07/24/2023	08/10/2023	08/10/2023	08/28/2023	38.84
3060 - Grainger Inc	9804000389	JC UTILITY CART & DEGREASER	Paid by EFT # 82032		08/14/2023	08/17/2023	08/17/2023	08/28/2023	288.51
3060 - Grainger Inc	9797761880	JC DOOR CLOSER	Paid by EFT # 82032		08/08/2023	08/17/2023	08/17/2023	08/28/2023	609.11
3060 - Grainger Inc	9797306579	JC LOCKER LOCK 8	Paid by EFT # 82032		08/08/2023	08/17/2023	08/17/2023	08/28/2023	74.16
1505 - F.E. Moran Inc. Mechanical Services	5066737-1	JC EDDY CURRENT TEST	Paid by EFT # 82011		06/30/2023	08/09/2023	08/09/2023	08/28/2023	1,645.00
1360 - Feece Oil Company	4004742	GENERTAOR FUEL 08/14/23 SOALR FIELD SWITCH	Paid by Check # 382076		08/14/2023	08/17/2023	08/17/2023	08/28/2023	515.23
4526 - Fifth Third Bank	8085-HT-07/23	ISFM ELEVATOR, UATTEND FOX METRO WINDY CITY	Paid by EFT # 82014		08/04/2023	08/18/2023	08/18/2023	08/28/2023	18,404.01
4526 - Fifth Third Bank	9161-BB-07/23	CLEANING, ECT AMZN, FILTERS, SLOAN VALVES, TRANE ETC	Paid by EFT # 82014		08/04/2023	08/18/2023	08/18/2023	08/28/2023	5,241.95

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Vendor	Invoice No.	Invoice Description	Status	Held Reason	Invoice Date	Due Date	G/L Date	Received Date Payment Date	Invoice Amount
Fund <b>001 - General Fund</b>									
Department 080 - Building Managem									
Sub-Department 080 - Building Mgi									
Account <b>52110 - Repairs</b> 13870 - Excelsior Worldwide dba	WTR-080523-	ngs BLSG B IT 2N FR	Paid by EFT #		08/08/2023	08/17/2023	08/17/2023	08/28/2023	6,984.87
Restoration1 of Fox Valley	00144	MITIGATION & MOLD CLEANING	82010		06/06/2023	06/17/2023	00/17/2023	00/20/2023	0,904.07
1195 - R.J. O'Neil, Inc.	00121210	MPB J83217 PLUMBING ROOF DRAIN LOOSE IN CEILING	Paid by EFT # 82131		08/11/2023	08/17/2023	08/17/2023	08/28/2023	300.00
1195 - R.J. O'Neil, Inc.	00121211	GC J83218 ROOF DRAIN N 3RD FLOOR Found roof drain on 3rd floor h	Paid by EFT # 82131		08/11/2023	08/17/2023	08/17/2023	08/28/2023	450.00
1679 - McMaster-Carr Supply Co	11954871	JC4040xP High-Traffic Door Closer,	Paid by EFT # 82082		08/01/2023	08/08/2023	08/08/2023	08/28/2023	485.40
1679 - McMaster-Carr Supply Co	12106899	GC BLDG A PLEASTED AIR FILTERS 311991100	Paid by EFT # 82082		08/03/2023	08/10/2023	08/10/2023	08/28/2023	95.70
1496 - Steiner Electric Co Inc	s007388771.00 1	4226 small dim fise	Paid by EFT # 82169		07/17/2023	08/15/2023	08/15/2023	08/28/2023	51.13
13153 - Toshiba America Business Solutions Inc	6047567	1166443.302 05/13- 06/12/23	Paid by EFT # 82185		06/13/2023	08/15/2023	08/15/2023	08/28/2023	77.71
5933 - Urban Elevator Service LLC	15182775- 000427	427 campbell aug 2023			08/01/2023	08/11/2023	08/11/2023	08/28/2023	119.60
5933 - Urban Elevator Service LLC	15182777- 001240	124 HIGHLAND AUGUST 2023	Paid by EFT # 82192		08/01/2023	08/15/2023	08/15/2023	08/28/2023	124.38
5933 - Urban Elevator Service LLC	15182779- 150100	100 S RD OCH AUGUST 2023			08/01/2023	08/15/2023	08/15/2023	08/28/2023	352.56
5933 - Urban Elevator Service LLC	15182783- 200777	JC 37W777 AUG 2023	Paid by EFT # 82192		08/01/2023	08/15/2023	08/15/2023	08/28/2023	717.60
5933 - Urban Elevator Service LLC	15182782- 200719	BLDG B AUGUST 2023	Paid by EFT # 82192		08/01/2023	08/15/2023	08/15/2023	08/28/2023	119.60
5933 - Urban Elevator Service LLC	15182778- 000665	JJC 37W655 AUGUST 2023	Paid by EFT # 82192		08/01/2023	08/15/2023	08/15/2023	08/28/2023	239.20
5933 - Urban Elevator Service LLC	15182781- 100719	BLDG C GC AUGUST 2023	Paid by EFT # 82192		08/01/2023	08/15/2023	08/15/2023	08/28/2023	119.60
5933 - Urban Elevator Service LLC	15182776- 000719	BLDG A GC AUGUST 2023	Paid by EFT # 82192		08/01/2023	08/15/2023	08/15/2023	08/28/2023	139.88
5933 - Urban Elevator Service LLC	15182780- 100755	JAIL 37W755 AUG 2023	Paid by EFT # 82192		08/01/2023	08/15/2023	08/15/2023	08/28/2023	1,196.00
3578 - Warehouse Direct, Inc.	5551961-0	JC SUPPLIES	Paid by EFT # 82198		08/15/2023	08/17/2023	08/17/2023	08/28/2023	1,003.56
				10 - Repairs a	nd Maint- Bui	<b>Idings</b> Totals	Invo	ice Transactions 98	\$70,758.07

Page 9 of **19** Run by Finance Reports on 09/06/2023 11:44:28 AM



Payment Date Range 08/01/23 - 08/31/23

Vendor Invoice Fund 001 - General Fund Department 080 - Building Management Sub-Department 080 - Building Mgmt- Govern Account 52120 - Repairs and Maint- 12859 - Ratliff Landscaping Inc 5486  12859 - Ratliff Landscaping Inc 5479  12859 - Ratliff Landscaping Inc 5493  12859 - Ratliff Landscaping Inc 5493  12859 - Ratliff Landscaping Inc 5498  Account 52160 - Repairs and Maint- 13945 - Alert Fire Protection, Inc. 5541	ment Center	Paid by EFT # 81837 Paid by EFT #	1 Invoice Date 07/24/2023	Due Date 08/02/2023	G/L Date R 08/02/2023	eceived Date Payment Date	Invoice Amount
Department <b>080 - Building Management</b> Sub-Department <b>080 - Building Mgmt- Govern</b> Account <b>52120 - Repairs and Maint</b> 12859 - Ratliff Landscaping Inc 5486  12859 - Ratliff Landscaping Inc 5479  12859 - Ratliff Landscaping Inc 5493  12859 - Ratliff Landscaping Inc 5498  Account <b>52160 - Repairs and Maint</b> 13945 - Alert Fire Protection, Inc. 5541	Grounds  1240 REMOVE DEAD PARKWAY TREE 1330 MULCH ALL AROUND	81837	07/24/2023	08/02/2023	08/02/2023		
Sub-Department <b>080 - Building Mgmt- Govern</b> Account <b>52120 - Repairs and Maint</b> 12859 - Ratliff Landscaping Inc 5486  12859 - Ratliff Landscaping Inc 5479  12859 - Ratliff Landscaping Inc 5479  12859 - Ratliff Landscaping Inc 5493  12859 - Ratliff Landscaping Inc 5498  Account <b>52160 - Repairs and Maint</b> 13945 - Alert Fire Protection, Inc. 5541	Grounds  1240 REMOVE DEAD PARKWAY TREE 1330 MULCH ALL AROUND	81837	07/24/2023	08/02/2023	08/02/2023		
Account <b>52120 - Repairs and Maint</b> 12859 - Ratliff Landscaping Inc 5486  12859 - Ratliff Landscaping Inc 5485  12859 - Ratliff Landscaping Inc 5479  12859 - Ratliff Landscaping Inc 5493  12859 - Ratliff Landscaping Inc 5498  Account <b>52160 - Repairs and Maint</b> 13945 - Alert Fire Protection, Inc. 5541	Grounds  1240 REMOVE DEAD PARKWAY TREE 1330 MULCH ALL AROUND	81837	07/24/2023	08/02/2023	08/02/2023		
12859 - Ratliff Landscaping Inc 5486  12859 - Ratliff Landscaping Inc 5485  12859 - Ratliff Landscaping Inc 5479  12859 - Ratliff Landscaping Inc 5493  12859 - Ratliff Landscaping Inc 5498  Account 52160 - Repairs and Maint-13945 - Alert Fire Protection, Inc. 5541	1240 REMOVE DEAD PARKWAY TREE 1330 MULCH ALL AROUND	81837	07/24/2023	08/02/2023	08/02/2023		
12859 - Ratliff Landscaping Inc 5485  12859 - Ratliff Landscaping Inc 5479  12859 - Ratliff Landscaping Inc 5493  12859 - Ratliff Landscaping Inc 5498  Account <b>52160 - Repairs and Maint</b> 13945 - Alert Fire Protection, Inc. 5541	PARKWAY TREE 1330 MULCH ALL AROUND	81837	07/24/2023	06/02/2023		00/14/2022	1 425 00
12859 - Ratliff Landscaping Inc 5479  12859 - Ratliff Landscaping Inc 5493  12859 - Ratliff Landscaping Inc 5498  Account <b>52160 - Repairs and Maint</b> 13945 - Alert Fire Protection, Inc. 5541	AROUND	Paid by EFT #			00,02,2023	08/14/2023	1,425.00
12859 - Ratliff Landscaping Inc 5493  12859 - Ratliff Landscaping Inc 5498  Account <b>52160 - Repairs and Maint</b> 13945 - Alert Fire Protection, Inc. 5541	AUGUST 2023	81837 <sup>°</sup>	07/24/2023	08/02/2023	08/02/2023	08/14/2023	720.00
12859 - Ratliff Landscaping Inc 5498  Account <b>52160 - Repairs and Maint</b> 13945 - Alert Fire Protection, Inc. 5541	MOWING RES# 2395	Paid by EFT # 81837	08/01/2023	08/03/2023	08/03/2023	08/14/2023	11,467.12
Account <b>52160 - Repairs and Maint</b> : 13945 - Alert Fire Protection, Inc. 5541	FABYAN REMOVE 5 DEAD TREES	Paid by EFT # 81837	08/02/2023	08/03/2023	08/03/2023	08/14/2023	1,500.00
13945 - Alert Fire Protection, Inc. 5541	GC CREEK BED REMOVE TREES	Paid by EFT # 82132	08/07/2023	08/10/2023	08/10/2023	08/28/2023	13,300.00
13945 - Alert Fire Protection, Inc. 5541		Account <b>52120 - Repair</b>	s and Maint- Gro	ounds Totals	Invoice	Transactions 5	\$28,412.12
13938 - Gehrke Technology Group, Inc. 2302338	JAIL PIPE REPAIR - DRAINED THE WATER REPLACE SEVERAL PIECES OF P	Paid by EFT # 81635	07/24/2023	08/02/2023	08/02/2023	08/14/2023	1,782.48
		Paid by EFT # 81728	07/25/2023	08/03/2023	08/03/2023	08/14/2023	2,049.00
1679 - McMaster-Carr Supply Co 1133932	6 JJC 07/20/23 PIPE SPUD COUPLING	Paid by EFT # 81794	07/20/2023	08/01/2023	08/01/2023	08/14/2023	51.00
9033 - United Refrigeration, Inc. 9199623	5-00 JAIL HI TEMP MTR , CAPACITOR, ETS	Paid by EFT # 82191	08/09/2023	08/16/2023	08/16/2023	08/28/2023	480.74
2779 - ILLCO INC 1418203	JAIL MAGNESIUM ANODE X8	Paid by Check # 382083	07/24/2023	08/15/2023	08/15/2023	08/28/2023	945.80
1505 - F.E. Moran Inc. Mechanical Services 5066720	-1 JC PULL HEADS/BRUCH TUBES	I Paid by EFT # 82011	06/30/2023	08/09/2023	08/09/2023	08/28/2023	2,724.00
13935 - AIM Solutions, Inc. 103888	JAIL RTU 38 ARMSTRONG FLUID TECH SEAL BEARING KIT	Paid by EFT # 81919	08/04/2023	08/09/2023	08/09/2023	08/28/2023	1,029.00
13162 - Air Comfort LLC 187794	OCH MITS UNIT 2 SOUTH NOT COOLING ADDED 17LBS OF 410A LOW EVAP T		08/03/2023	08/09/2023	08/09/2023	08/28/2023	1,240.00
		Account <b>52160 - Repairs a</b>	ınd Maint- Equip	ment Totals	Invoice	Transactions 8	\$10,302.02
Account <b>52220 - Equipment Lease</b>							
13725 - 1 Source Mechanical, Inc. 6509	JAIL TEMP COOLING RENTAL	Paid by EFT # 81908	08/04/2023	08/17/2023	08/17/2023	08/28/2023	13,030.90
		Account <b>522</b> 2	20 - Equipment	Lease Totals	Invoice	Transactions 1	\$13,030.90
Account <b>53060 - General Printing</b> 1849 - Batavia Instant Print Inc 2023043					11140100	Transactions 1	T == , == = : : :
	7 DETAINEE WELFARE	Paid by EFT #	07/26/2023	08/02/2023	08/02/2023	08/14/2023	190.00

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Vendor	Invoice No.	Invoice Description	Status	Held Reason	Invoice Date	Due Date	G/L Date	Received Date Payment Date	Invoice Amount
Fund <b>001 - General Fund</b>									
Department 080 - Building Managen									
Sub-Department 080 - Building Mg	-	Center							
Account <b>53060 - General</b>									
1849 - Batavia Instant Print Inc	20230425	OVERTIME REQUEST	Paid by EFT # 81652		07/24/2023	08/02/2023	08/02/2023	08/14/2023	273.55
1849 - Batavia Instant Print Inc	20230449	CIC PRINTING	Paid by EFT # 81652		08/01/2023	08/03/2023	08/03/2023	08/14/2023	1,156.17
1395 - Cenveo Worldwide Limited	111-531823	CIC CRIMINAL TEAM PRINTING	Paid by EFT # 81674		07/10/2023	08/03/2023	08/03/2023	08/14/2023	718.50
1395 - Cenveo Worldwide Limited	111-530584	Health dept	Paid by EFT # 81674		07/01/2023	08/03/2023	08/03/2023	08/14/2023	645.90
1395 - Cenveo Worldwide Limited	111-530583	helath new logos	Paid by EFT # 81674		07/01/2023	08/03/2023	08/03/2023	08/14/2023	488.25
			010/4	Account <b>5306</b>	0 - General Pr	inting Totals	Invo	oice Transactions 6	\$3,472.37
Account <b>60010 - Operati</b>	5 11	1 11	D : ! !		07/04/0000	00/04/0000	00/04/0000	00/44/2022	202.56
3578 - Warehouse Direct, Inc.	5536570-0	mpb supplies	Paid by EFT # 81886		07/21/2023	08/01/2023	08/01/2023	08/14/2023	293.56
12287 - Century Springs/Ove Water Services	2125462	july 2023 delivery	Paid by EFT # 81673		07/31/2023	08/02/2023	08/02/2023	08/14/2023	40.01
4526 - Fifth Third Bank	9161-BB-07/23	AMZN, FILTERS, SLOAN VALVES, TRANE ETC	Paid by EFT #		08/04/2023	08/18/2023	08/18/2023	08/28/2023	192.65
		210	Ad	ccount <b>60010</b> -	<b>Operating Su</b>	pplies Totals	Invo	pice Transactions 3	\$526.22
Account 60090 - Utilities	s- Sewer								·
1044 - City of Geneva	198003939000- 823	93642390 719 batavia GC 06/01-07/05/23	Paid by EFT # 81681		07/15/2023	07/24/2023	07/24/2023	08/14/2023	153.17
1044 - City of Geneva	198003940001-		Paid by EFT #				07/04/0000	00/14/2022	
	823	BATAVIA 06/01-	81680		07/15/2023	07/24/2023	07/24/2023	08/14/2023	130.76
1044 - City of Geneva	305000460000-	07/01/23 328545802 OCH 06/19	81680 Paid by EFT #		07/15/2023	07/24/2023	07/24/2023	08/28/2023	130.76 172.39
1044 - City of Geneva 1044 - City of Geneva		07/01/23 328545802 OCH 06/19 -07/15/23 427 campbell 337598526 06/15-	81680		, ,	, ,			
•	305000460000- 823 305000221000- 823 305000240000-	07/01/23 328545802 OCH 06/19 -07/15/23 427 campbell 337598526 06/15- 07/15/23 341341013 428 JAMES	81680  Paid by EFT # 81967  Paid by EFT # 81973  Paid by EFT #		07/30/2023	08/09/2023	08/09/2023	08/28/2023	172.39
1044 - City of Geneva	305000460000- 823 305000221000- 823 305000240000- 823	07/01/23 328545802 OCH 06/19 -07/15/23 427 campbell 337598526 06/15- 07/15/23 341341013 428 JAMES 6/19-07/15/23 341341011 401 campbell 06/19-	81680 Paid by EFT # 81967 Paid by EFT # 81973		07/30/2023 07/30/2023	08/09/2023 08/09/2023	08/09/2023 08/09/2023	08/28/2023 08/28/2023	172.39 60.69
1044 - City of Geneva 1044 - City of Geneva	305000460000- 823 305000221000- 823 305000240000- 823 305000160002-	07/01/23 328545802 OCH 06/19 -07/15/23 427 campbell 337598526 06/15- 07/15/23 341341013 428 JAMES 6/19-07/15/23 341341011 401 campbell 06/19- 07/18/2023 325554113 GC 719 BATAVIA 07/01-	81680  Paid by EFT # 81967  Paid by EFT # 81973  Paid by EFT # 81968  Paid by EFT #		07/30/2023 07/30/2023 07/30/2023	08/09/2023 08/09/2023 08/10/2023	08/09/2023 08/09/2023 08/10/2023	08/28/2023 08/28/2023 08/28/2023	172.39 60.69 17.46
1044 - City of Geneva 1044 - City of Geneva 1044 - City of Geneva	305000460000- 823 305000221000- 823 305000240000- 823 305000160002- 823 198003940001-	07/01/23 328545802 OCH 06/19 -07/15/23 427 campbell 337598526 06/15- 07/15/23 341341013 428 JAMES 6/19-07/15/23 341341011 401 campbell 06/19- 07/18/2023 325554113 GC 719 BATAVIA 07/01- 08/01/23	81680  Paid by EFT # 81967  Paid by EFT # 81973  Paid by EFT # 81968  Paid by EFT # 81969  Paid by EFT # 81971		07/30/2023 07/30/2023 07/30/2023 07/30/2023	08/09/2023 08/09/2023 08/10/2023 08/10/2023	08/09/2023 08/09/2023 08/10/2023 08/10/2023	08/28/2023 08/28/2023 08/28/2023 08/28/2023	172.3 60.6 17.4 11.3



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Vendor	Invoice No.	Invoice Description	Status	Held Reason	Invoice Date	Due Date	G/L Date	Received Date Payment Dat	e Invoice Amount
Fund <b>001 - General Fund</b>									
Department 080 - Building Manage									
Sub-Department 080 - Building N	_	Center							
Account <b>60090 - Utiliti</b>									
1080 - City of St. Charles	4549374000-	210510 37w699 05/30-	,		06/30/2023	08/08/2023	08/08/2023	08/28/2023	183.39
1080 - City of St. Charles	0723 454340453-	06/26/23 010523 540 S	81979 Paid by EFT #		06/30/2023	08/08/2023	08/08/2023	08/28/2023	131.22
1000 - City of St. Charles	0723	RANDAL05/31-0626/23	,		00/30/2023	00/00/2023	00/00/2023	00/20/2023	131.22
1080 - City of St. Charles	4548508010-	930621 37W777 JC	Paid by EFT #		06/30/2023	08/09/2023	08/09/2023	08/28/2023	2,115.24
,	0723	05/30-06/23/23	81975				. ,	, ,	,
1080 - City of St. Charles	4549184420-	080716 JAIL 05/30-	Paid by EFT #		06/30/2023	08/09/2023	08/09/2023	08/28/2023	7,896.21
	0723	06/26/23	81977						
1080 - City of St. Charles	4549374000-	210510 37W399 MPB	Paid by EFT #		08/01/2023	08/17/2023	08/17/2023	08/28/2023	227.13
AFOC Fifth Thind Donle	823	06/26-07/30/23	81978		00/04/2022	00/10/2022	00/10/2022	00/20/2022	coc 00
1526 - Fifth Third Bank	8085-HT-07/23	ISFM ELEVATOR, UATTEND FOX METRO	Paid by EFT #		08/04/2023	08/18/2023	08/18/2023	08/28/2023	696.00
		WINDY CITY	02014						
		CLEANING, ECT							
		•		Account 6009	90 - Utilities- S	Sewer Totals	Invo	oice Transactions 14	\$11,921.02
Account 60100 - Utilitie	es- Water								
1045 - City of Aurora	13501918970-	0076386878 1240	Paid by Check		07/17/2023	07/24/2023	07/24/2023	08/14/2023	236.75
	0823	HIGHLAND 05/05-	# 381943						
		07/06/23							
.045 - City of Aurora	13501972528-	0060277918 1330	Paid by Check		07/17/2023	07/24/2023	07/24/2023	08/14/2023	593.45
	0723	HIGHLAND 05/05- 07/06/23	# 381942						
1044 - City of Geneva	198003939000-		Paid by EFT #		07/15/2023	07/24/2023	07/24/2023	08/14/2023	275.62
.orr city or deficed	823	GC 06/01-07/05/23	81681		07/15/2025	07/21/2023	07/2 1/2025	00/11/2023	2/3.02
.044 - City of Geneva	198003940001-		Paid by EFT #		07/15/2023	07/24/2023	07/24/2023	08/14/2023	211.54
, , , , , , , , , , , , , , , , , , , ,	823	BATAVIA 06/01-	81680		, , , , , ,	, , .	, ,	, , ,	
		07/01/23							
L044 - City of Geneva	305000460000-		Paid by EFT #		07/30/2023	08/09/2023	08/09/2023	08/28/2023	281.76
044 67 66	823	-07/15/23	81967		07/20/2022	00/00/2022	00/00/2022	00/20/2022	105.00
1044 - City of Geneva	305000221000- 823	427 campbell 337598526 06/15-	Paid by EFT # 81973		07/30/2023	08/09/2023	08/09/2023	08/28/2023	105.88
	023	07/15/23	019/3						
1044 - City of Geneva	305000240000-		Paid by FFT #		07/30/2023	08/10/2023	08/10/2023	08/28/2023	28.93
	823	6/19-07/15/23	81968		0.700,2020	00, 10, 1010	00, 10, 2020	30, 20, 202	20.50
1044 - City of Geneva	305000160002-	341341011 401	Paid by EFT #		07/30/2023	08/10/2023	08/10/2023	08/28/2023	17.86
•	823	campbell 06/19-	81969						
		07/18/2023							
1044 - City of Geneva	198003940001-		Paid by EFT #		08/15/2023	08/17/2023	08/17/2023	08/28/2023	178.22
	923	BATAVIA 07/01-	81971						
1044 - City of Geneva	198004210000-	08/01/23 78056094 757 e fabyan	Paid by EET #		08/15/2023	08/17/2023	08/17/2023	08/28/2023	28.46
1077 - City Of Gerieva	923	07/01-08/01/23	81970		00/13/2023	00/1//2023	00/1//2023	00/20/2023	20.40
	323	07/01-00/01/23	013/0						



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Vendor	Invoice No.	Invoice Description	Status	Held Reason	Invoice Date	Due Date	G/L Date	Received Date	Payment Date	Invoice Amount
Fund <b>001 - General Fun</b>										
Department 080 - Build	5 5	Combon								
'	- Building Mgmt- Government 100 - Utilities- Water	Center								
1080 - City of St. Charles	4549374000-	210510 37w699 05/30-	Daid by EET #		06/30/2023	08/08/2023	08/08/2023		08/28/2023	188.04
1000 - City of St. Charles	0723	06/26/23	81979		00/30/2023	00/00/2023	00/00/2023		00/20/2023	100.07
1080 - City of St. Charles	454340453-	010523 540 S	Paid by EFT #		06/30/2023	08/08/2023	08/08/2023		08/28/2023	121.30
,	0723	RANDAL05/31-0626/23	81974							
1080 - City of St. Charles	4548508010-	930621 37W777 JC	Paid by EFT #		06/30/2023	08/09/2023	08/09/2023		08/28/2023	2,336.72
1000 City of Ct Charles	0723	05/30-06/23/23	81975		06/20/2022	00/00/2022	00/00/2022		00/20/2022	E 020 12
1080 - City of St. Charles	4549184420- 0723	080716 JAIL 05/30- 06/26/23	Paid by EFT # 81977		06/30/2023	08/09/2023	08/09/2023		08/28/2023	5,928.12
1080 - City of St. Charles	4549374000-	210510 37W399 MPB	Paid by EFT #		08/01/2023	08/17/2023	08/17/2023		08/28/2023	243.84
1000 die, di dii dianes	823	06/26-07/30/23	81978		00,01,2023	00/1//2023	00,17,2023		00, 20, 2025	2 1510 1
				Account 6010	00 - Utilities-	Water Totals	Inv	oice Transactions	15	\$10,776.49
Account 60	110 - Printing Supplies									
2400 - Veritiv Operating C	ompany 021-62347518	JC COPY PAPER	Paid by EFT #		07/21/2023	08/02/2023	08/02/2023		08/14/2023	3,808.00
			81880							
2400 - Veritiv Operating C	ompany 021-62329868	MAILROOM STOCK	Paid by EFT #		06/29/2023	08/03/2023	08/03/2023		08/14/2023	7,616.00
		PAPER	81880	Account <b>60110</b>	- Drinting Su	nnline Totale	Inv	oice Transactions	า	\$11,424.00
Account 60	160 - Cleaning Supplies			Account <b>dollo</b>	- Filliding Su	pplies Totals	1110	oice Transactions	2	\$11,727.00
3578 - Warehouse Direct,	5	GC PAPER TOWELS	Paid by EFT #		07/26/2023	08/01/2023	08/01/2023		08/14/2023	879.30
3376 Warehouse Bireeq	3337,02 0	CC 17 II EIX TOWELD	81886		07/20/2023	00,01,2023	00,01,2023		00/11/2023	0, 3,30
3578 - Warehouse Direct,	Inc. C5514040-0	CREDIT	Paid by EFT #		06/19/2023	08/01/2023	08/01/2023		08/14/2023	(153.64)
			81886							
3578 - Warehouse Direct,	Inc. 5541287-0	GC PAPER TOWELS &	Paid by EFT #		07/28/2023	08/02/2023	08/02/2023		08/14/2023	6,584.00
3578 - Warehouse Direct,	Inc. C5541287-0	TP CREDIT REURN	81886 Paid by EFT #		08/01/2023	08/03/2023	08/03/2023		00/14/2022	(930.00)
3376 - Warehouse Direct,	IIIC. C5541267-0	CREDIT REURIN	81886		06/01/2023	06/03/2023	06/03/2023		08/14/2023	(930.00)
3578 - Warehouse Direct,	Inc. 5542254-0	GC BATH TISSUE	Paid by EFT #		07/31/2023	08/03/2023	08/03/2023		08/14/2023	1,078.80
,			81886		, , , , ,	, ,			, ,	,
3578 - Warehouse Direct,	Inc. 5547029-0	jail cleaning supplies	Paid by EFT #		08/08/2023	08/11/2023	08/11/2023		08/28/2023	794.14
2570 14/ 1 20: 1		14DD 01 51117110 50414	82198		00/40/2022	00/47/0000	00/47/2022		00/00/0000	74.00
3578 - Warehouse Direct,	Inc. 5548930-0	MPB CLEANING FOAM	Paid by EFT #		08/10/2023	08/17/2023	08/17/2023		08/28/2023	71.29
4526 - Fifth Third Bank	8085-HT-07/23	ISFM ELEVATOR,	82198 Paid by EFT #		08/04/2023	08/18/2023	08/18/2023		08/28/2023	362.00
4320 - FIIUI IIIIU Dalik	8083-111-07/23	UATTEND FOX METRO	,		00/04/2023	06/16/2023	00/10/2023		00/20/2023	302.00
		WINDY CITY	02011							
		CLEANING, ECT								
				Account <b>60160</b>	- Cleaning Su	<b>pplies</b> Totals	Inv	oice Transactions	8	\$8,685.89
Account 60	210 - Uniform Supplies									
9178 - Red Wing Shoe Sto			Paid by EFT #		08/10/2023	08/17/2023	08/17/2023		08/28/2023	300.00
	3	Greskiewicz Derek	82135							
		Payne		Account 60340	- Uniform C:-	nnline Tatala	Tierr	oice Transactions	1	\$300.00
				Account <b>60210</b>	- Jillioi III Su	hhiica iorais	IIIV	DICE HAITSACTIONS	1	φουυ.υυ



Vendor	Invoice No.	Invoice Description	Status	Held Reason	Invoice Date	Due Date	G/L Date	Received Date Payment Date	Invoice Amount
Fund <b>001 - General Fund</b>									
Department <b>080 - Building Managem</b> Sub-Department <b>080 - Building Mgr</b>		Combon							
Account <b>63000 - Utilities-</b>		Center							
2253 - Nicor Gas	3243210006-	2006574 122006/12	Daid by Chade		07/12/2022	07/10/2022	07/10/2022	09/14/2022	56.44
2233 - NICOI GdS	823	2986574 133006/13- 07/13/23	Paid by Check # 382003		07/13/2023	07/19/2023	07/19/2023	08/14/2023	30.44
2253 - Nicor Gas	66664808533-	2836123 06/13-	Paid by Check		07/13/2023	07/24/2023	07/24/2023	08/14/2023	164.07
	823	07/13/23 1240	# 382005					, ,	
		HIGHLAND							
2253 - Nicor Gas	94918544068-	4153357 427 campbell	Paid by Check		07/24/2023	08/02/2023	08/02/2023	08/14/2023	69.14
2253 - Nicor Gas	923 88751210001-	06/22-07/24/23 4402684 428 JAMES	# 382004 Paid by Check		07/24/2023	08/02/2023	08/02/2023	08/14/2023	54.24
2233 - Nicol Gas	923	06/22-07/24/23	# 382006		07/24/2023	00/02/2023	00/02/2023	00/14/2023	57.27
2253 - Nicor Gas	03243210006-	2986574 1330 07/13-	Paid by Check		08/11/2023	08/17/2023	08/17/2023	08/28/2023	53.12
	923	08/11/23	# 382106					, ,	
1066 - Constellation NewEnergy-Gas	3817926	BLDG MGMT JULY	Paid by EFT #		08/10/2023	08/14/2023	08/14/2023	08/28/2023	9,271.64
Division, LLC		2023 ALL BLDGS	81986		Ailibiaa Nabuu	al Cae Tetale	Traves	ing Transportions C	¢0.000.00
Account 63010 - Utilities-	Electric		ACCC	ount <b>63000 - 0</b>	tilities- Natur	al Gas Totals	111/0	oice Transactions 6	\$9,668.65
1054 - ComEd	6856203011-	230046589 mpb	Paid by Check		07/25/2023	08/02/2023	08/02/2023	08/14/2023	4,619.89
1034 - Comed	923	37W699 06/24-	# 381959		07/23/2023	06/02/2023	06/02/2023	06/14/2023	4,019.09
	323	07/25/23	" 301333						
10981 - Constellation NewEnergy Inc.	65797120701	7298774-3 1330	Paid by EFT #		07/10/2023	07/24/2023	07/24/2023	08/14/2023	512.38
		highland 06/07-	81683						
10001 Constallation NawEnergy Inc	65754754801	07/07/23	Daid by EET #		07/05/2022	08/02/2023	08/02/2023	09/14/2022	00 007 F0
10981 - Constellation NewEnergy Inc.	03/34/34001	JAIL, JC JJC 05/24- 06/24/23	Paid by EFT # 81683		07/05/2023	06/02/2023	06/02/2023	08/14/2023	88,987.50
10981 - Constellation NewEnergy Inc.	65797120301	7298774-52715 1240	Paid by EFT #		07/28/2023	08/02/2023	08/02/2023	08/14/2023	2,240.80
3,		06/07-07/07/23	81683		, ,,	,	, ,	,	,
1044 - City of Geneva	198004209000-		Paid by EFT #		07/15/2023	07/24/2023	07/24/2023	08/14/2023	29.15
	823	FABYAN 06/01-	81679						
1044 City of Concya	198003940001-	07/01/23 325554113 GC 719	Paid by EFT #		07/15/2023	07/24/2023	07/24/2023	09/14/2022	12 602 45
1044 - City of Geneva	823	BATAVIA 06/01-	81680		07/15/2023	07/24/2023	07/24/2023	08/14/2023	13,692.45
	023	07/01/23	01000						
1044 - City of Geneva	305000460000-		Paid by EFT #		07/30/2023	08/09/2023	08/09/2023	08/28/2023	5,978.23
	823	-07/15/23	81967						
1044 - City of Geneva	305000221000-		Paid by EFT #		07/30/2023	08/09/2023	08/09/2023	08/28/2023	649.97
	823	337598526 06/15-	81973						
1044 - City of Geneva	305000240000-	07/15/23 341341013 428 JAMES	Paid by EFT #		07/30/2023	08/10/2023	08/10/2023	08/28/2023	199.64
20 diej di delleva	823	6/19-07/15/23	81968		5.,55,2025	50, 10, 2025	30, 10, 2023	00, 20, 2023	155.01
1044 - City of Geneva	305000160002-	, , ,	Paid by EFT #		07/30/2023	08/10/2023	08/10/2023	08/28/2023	159.43
	823	campbell 06/19-	81969						
		07/18/2023							



Payment Date Range 08/01/23 - 08/31/23

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Vendor	Invoice No.	Invoice Description	Status	Held Reason	Invoice Date	Due Date	G/L Date	Received Date	Payment Date	Invoice Amount
Fund <b>001 - General Fund</b>										
Department 080 - Building Managem										
Sub-Department 080 - Building Mg		Center								
Account 63010 - Utilities		220424010 OFM	Daid by EET #		00/15/2022	00/17/2022	00/17/202	2	00/20/2022	20.47
1044 - City of Geneva	198004209000- 923	329434919 OEM FABYAN 07/01- 08/01/23	Paid by EFT # 81972		08/15/2023	08/17/2023	08/17/2023	5	08/28/2023	29.47
1044 - City of Geneva	198003940001- 923	325554113 GC 719 BATAVIA 07/01- 08/01/23	Paid by EFT # 81971		08/15/2023	08/17/2023	08/17/2023	3	08/28/2023	14,509.96
1080 - City of St. Charles	454340453- 0723	010523 540 S RANDAL05/31-0626/23	Paid by EFT # 81974		06/30/2023	08/08/2023	08/08/2023	3	08/28/2023	62.25
1080 - City of St. Charles	4549045330- 0723	030418 540 S RANDALL 05/31- 06/26/23	Paid by EFT # 81976		06/30/2023	08/09/2023	08/09/2023	3	08/28/2023	10,527.46
		. ,		Account <b>6301</b>	0 - Utilities- E	lectric Totals	Inv	oice Transactions	14	\$142,198.58
		'	tment <b>080 - B</b> ı	ilding Mgmt-	Government (	Center Totals	Inv	oice Transactions	205	\$436,907.00
Sub-Department <b>088 - Bldg Mgmt-</b> Account <b>52210 - Building</b>		pplies								
10211 - Batavia Enterprises, Inc	SEPT 2023 ROE	SEPTEMBER 2023 LEASE PAYMENT ROE	Paid by EFT # 81651		09/01/2023	08/03/2023	08/03/2023	3	08/14/2023	13,685.68
					210 - Building			oice Transactions	<del>-</del>	\$13,685.68
		Sub-Dep	artment 088 - I					oice Transactions		\$13,685.68
			Depar	tment 080 - Bu	iilding Manage 001 - Genera			oice Transactions		\$450,592.68
Fund <b>101 - Geographic Information S</b> Department <b>060 - Information Techn</b> Sub-Department <b>070 - Geographic</b> Account <b>60000 - Office S</b>	, nologies Information Syst	ems		Fund	001 - Genera	runa Totals	TUI	oice Transactions	5 227	\$508,282.23
12287 - Century Springs/Ove Water Services	2136885	INV 2136885 - GIS - WBD & DC July 2023 & WBC Rent Aug 2023	Paid by EFT # 81963		07/31/2023	08/04/2023	08/04/2023	3 08/04/2023	08/28/2023	13.57
4526 - Fifth Third Bank	8811-TN-07/23	•	Paid by EFT # 82014		08/04/2023	08/11/2023	08/11/202	3	08/28/2023	174.15
3578 - Warehouse Direct, Inc.	5553963-0	Invoice 5553963-0 - Pens, Black, Blue, Red	Paid by EFT # 82198		08/17/2023	08/18/2023	08/18/2023	3	08/28/2023	3.85
		,,,		Account 600	00 - Office Su	<b>pplies</b> Totals	Inv	oice Transactions	3	\$191.57
Account 60020 - Comput	er Related Suppli									
4526 - Fifth Third Bank	8811-TN-07/23	MC - July 2023 - TSN 8811 07/05 to 08/04	Paid by EFT # 82014		08/04/2023	08/11/2023	08/11/2023		08/28/2023	82.10
				0020 - Comput				oice Transactions		\$82.10
		Sub-De	partment <b>070</b> -		_			oice Transactions		\$273.67
				nt <b>060 - Inforn</b> <b>Geographic I</b> I				oice Transactions oice Transactions		\$273.67 \$273.67
. <u></u>			runa <b>101 -</b>	Geographic II	normation Sy	stems rotals	111/	roice ITAIISACUONS	· <del>''</del>	\$2/3.0/

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Payment Date Range 08/01/23 - 08/31/23

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Vendor	Invoice No.	Invoice Description	Status	Held Reason	Invoice Date	Due Date	G/L Date	Received Date	Payment Date	Invoice Amount
Fund 385 - IL Counties Information Mg	ımt		'							
Account 10000 - Cash and	Investments									
4526 - Fifth Third Bank	0758-CL-07/23	Lasky MasterCard 07/05/2023- 08/04/2023	Paid by EFT # 82014		08/04/2023	08/10/2023	08/28/2023	•	08/28/2023	(24.00)
		00/01/2023	Acco	ınt <b>10000 - Ca</b> s	sh and Invest	ments Totals	Inv	oice Transactions	: 1	(\$24.00)
Account 20000 - Accounts	Pavable		, 1000					0.00	-	(4=)
4526 - Fifth Third Bank	0758-CL-07/23	Lasky MasterCard 07/05/2023- 08/04/2023	Paid by EFT #82014		08/04/2023	08/10/2023	08/10/2023	l .	08/28/2023	(24.00)
4526 - Fifth Third Bank	0758-CL-07/23	Lasky MasterCard 07/05/2023- 08/04/2023	Paid by EFT # 82014		08/04/2023	08/10/2023	08/28/2023	1	08/28/2023	24.00
		,,		Account 20000	- Accounts Pa	ayable Totals	Inv	oice Transactions	5 2	\$0.00
Department <b>060 - Information Techno</b> Sub-Department <b>336 - IL Counties I</b>	_	it								
Account 53100 - Conference	ces and Meeting	S								
4526 - Fifth Third Bank	0758-CL-07/23	Lasky MasterCard 07/05/2023- 08/04/2023	Paid by EFT # 82014		08/04/2023	08/10/2023	08/10/2023		08/28/2023	24.00
			Account 5	3100 - Confer	ences and Me	etings Totals	Inv	oice Transactions	5 1	\$24.00
		Sub	-Department <b>33</b>	6 - IL Counties	Information	<b>Mgmt</b> Totals	Inv	oice Transactions	5 1	\$24.00
			Departme	nt <b>060 - Inform</b>	nation Techno	logies Totals	Inv	oice Transactions	5 1	\$24.00
			Fund 38	5 - IL Counties	Information	<b>Mgmt</b> Totals	Inv	oice Transactions	s <b>4</b>	\$0.00
Fund 390 - Web Technical Services										
Department 060 - Information Techno	logies									
Sub-Department 337 - Web Technica	al Services									
Account <b>50150 - Contract</b> u	ual/Consulting S	ervices								
12891 - Special Project Staffing dba The Salem Group	4218541	Contractual Employee	Paid by EFT # 81853		07/20/2023	07/25/2023	07/25/2023	i	08/14/2023	756.00
2324 - Cassie Design	203744	INV#203744 Website Design work	Paid by EFT # 81960		08/07/2023	08/08/2023	08/08/2023	}	08/28/2023	2,475.00
4526 - Fifth Third Bank	0689-JZ-07/23	Zakosek MasterCard 07/05/2023- 08/04/2023	Paid by EFT # 82014		08/04/2023	08/10/2023	08/10/2023	1	08/28/2023	110.27
4778 - Fox Valley United Way	Kane 211-2023- 3		Paid by EFT # 82021		07/31/2023	08/15/2023	08/15/2023	1	08/28/2023	30,000.00
			Account <b>50150</b>	- Contractual/	Consulting Se	rvices Totals	Inv	oice Transactions	5 4	\$33,341.27

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Vendor	Invoice No.	Invoice Description	Status	Held Reason	Invoice Date	Due Date	G/L Date	Received Date	Payment Date	Invoice Amount
Fund <b>390 - Web Technical Services</b>										
Department <b>060 - Information Technol</b>	_									
Sub-Department 337 - Web Technica										
Account <b>50340 - Software</b> I										
3186 - Insight Public Sector Inc	1101073595	INV#1101073595 SolarWinds Renewal	Paid by EFT 81756	#	07/18/2023	07/25/2023	07/25/2023		08/14/2023	42,100.00
				ınt <b>50340 - Soft</b> ı				oice Transactions		\$42,100.00
				tment 337 - Wel				oice Transactions	_	\$75,441.27
			Departm	ent <b>060 - Inforn</b>		_		oice Transactions	_	\$75,441.27
				Fund <b>390 - Wel</b>	Technical Se	rvices Totals	Inv	oice Transactions	5	\$75,441.27
Fund 520 - Mill Creek Special Service Ar	ea									
Department 690 - Development	-:-! 6: 4									
Sub-Department 730 - Mill Creek Spe										
Account <b>52120 - Repairs ar</b> 8523 - Cornerstone Partners Horticultural	CP30690	INV#CP30690 2022	Daild by EET	ш	07/21/2022	00/01/2022	00/01/2022		00/14/2022	E 022 00
Services Co.	CP30690	Season Landscaping	Paid by EFT 81689	#	07/31/2023	08/01/2023	08/01/2023		08/14/2023	5,023.00
Services co.		work Mill Creek SSA	01009							
8523 - Cornerstone Partners Horticultural	CP30683	INV#CP30683 2022	Paid by EFT	#	07/31/2023	08/01/2023	08/01/2023		08/14/2023	6,303.00
Services Co.		Season Landscaping	81689							
0500	CD24744	work Mill Creek SSA		,,	07/04/0000	00/04/0000	00/04/000		00/44/2022	2 462 22
8523 - Cornerstone Partners Horticultural Services Co.	CP31741	INV#CP31741 2022 Season Landscaping	Paid by EFT 81689	#	07/31/2023	08/04/2023	08/04/2023		08/14/2023	2,463.30
Services Co.		work Mill Creek SSA	01009							
8523 - Cornerstone Partners Horticultural	CP31732	INV # CP31732 2022	Paid by EFT	#	07/31/2023	08/18/2023	08/18/2023		08/28/2023	715.51
Services Co.		Season Landscaping	81989		, , , ,	, -, -	, -, -		,	
		work Mill Creek SSA								
13812 - Outdoor Home Svc. Hold., LLC dba	180682650	TRUGREEN Lawn and	Paid by EFT	#	07/31/2023	08/11/2023	08/11/2023		08/28/2023	5,850.00
TruGreen & Action 2684 - All American Flag Company	6893	Shrub Services INV# 6893 Flag Order	82108 Paid by Chec	·L	08/14/2023	08/15/2023	08/15/2023		08/28/2023	2,664.96
2004 - All American Flag Company	0093	for Mill Creek SSA	# 382031	.K	06/14/2023	06/15/2025	00/13/2023		00/20/2023	2,004.90
		TOT THIS CICCIC 55/1		2120 - Repairs	and Maint- Gr	ounds Totals	Inv	oice Transactions	6	\$23,019.77
Account 52180 - Building S	pace Rental			•						, ,
9183 - Tri City Land Management Co., LLC	4490-411 8/23	Mill Creek Office Rent	Paid by EFT	#	08/01/2023	07/25/2023	07/25/2023		08/14/2023	1,069.54
			81875							
			Acc	count <b>52180 - B</b> u	ilding Space I	Rental Totals	Inv	oice Transactions	1	\$1,069.54
Account <b>52250 - Intersect</b>										
10562 - Kellenberger Electric, Inc.	30555-02	INV#30555-02 Mill	Paid by EFT	#	07/18/2023	07/26/2023	07/26/2023		08/14/2023	15,950.00
		Creek Monument Signs		52250 - Interse	ct Lighting Se	rvices Totals	Inv	oice Transactions	. 1	\$15,950.00
			Account	32230 - Interse	ct Lighting Se	I VICES TOTALS	TIIV	oice Halisactions	. 1	\$13,330.00



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Vendor	Invoice No.	Invoice Description	Status	Held Reason	Invoice Date	Due Date	G/L Date	Received Date	Payment Date	Invoice Amount
Fund 520 - Mill Creek Special Service	Area		,							
Department 690 - Development										
Sub-Department 730 - Mill Creek S	pecial Service Ar	ea								
Account 63020 - Utilities	- Intersect Lighti	ing								
2253 - Nicor Gas	39058116755	Mill Creek Nicor Bill	Paid by Check		07/20/2023	07/25/2023	07/25/2023		08/14/2023	50.14
	723		# 381999							
1054 - ComEd	8676003015	Mill Creek ComEd Bill	Paid by Check		07/26/2023	07/31/2023	07/31/2023		08/14/2023	191.32
	723		# 381949							
1054 - ComEd	0463054408	Mill Creek ComEd Bill	Paid by Check		07/31/2023	08/03/2023	08/03/2023		08/14/2023	341.24
1054 C 51	723	MILO LO ELDIL	# 381948		00/02/2022	00/44/2022	00/44/2022		00/20/2022	02.62
1054 - ComEd	6148132018	Mill Creek ComEd Bill	Paid by Check		08/02/2023	08/11/2023	08/11/2023		08/28/2023	82.63
1054 - ComEd	823 0371017042	Mill Creek ComEd Bill	# 382056 Paid by Check		08/08/2023	08/14/2023	08/14/2023		08/28/2023	25.40
1054 - Comed	823	Mill Creek Comed Bill	# 382056		00/00/2023	06/14/2023	00/14/2023		00/20/2023	23.40
	023			020 - Utilities	- Intersect Lie	ahting Totals	Invo	oice Transactions	5	\$690.73
		Suh	-Department <b>73</b> (					pice Transactions	-	\$40,730.04
		Sub	Department 730		690 - Develo			pice Transactions		\$40,730.04
			Fund F20	'						
			runa <b>52</b> 0	- Milli Creek s	Special Service			oice Transactions		\$40,730.04
						Grand Totals	Invo	pice Transactions	255	\$624 <i>.</i> 727.21

BUILDING MANAGE	MENT		
<b>Transaction Date</b>	Merchant Name	Additional Information	Transaction Amount
8/8/2023	AMAZON.COM TA1GI2551	AMZN.COM/BILL	\$77.39
8/8/2023	BP#9180746PRIDE OF QPS	BATAVIA	\$50.00
8/9/2023	AMZN MKTP US TA09W2DC1	AMZN.COM/BILL	\$128.29
8/9/2023	AMZN MKTP US TA3ZW5WZ2	AMZN.COM/BILL	\$24.99
8/9/2023	THE HOME DEPOT #1921	GENEVA	\$163.61
8/10/2023	AMZN MKTP US TA1Y287A1	AMZN.COM/BILL	\$52.70
8/10/2023	AMZN MKTP US TO3W89F42	AMZN.COM/BILL	\$38.18
8/13/2023	MENARDS WEST CHICAGO I	WEST CHICAGO	\$20.50
8/15/2023	AMZN MKTP US TO4BQ38B0	AMZN.COM/BILL	\$58.80
8/16/2023	AMZN MKTP US TO2F732F0	AMZN.COM/BILL	\$383.00
8/16/2023	AMZN MKTP US TO7YM8YK2	AMZN.COM/BILL	\$41.76
8/16/2023	AMZN MKTP US TO8T31DU0	AMZN.COM/BILL	\$189.99
8/16/2023	AMZN MKTP US TO9919280	AMZN.COM/BILL	\$48.38
8/16/2023	IN DABURN ELECTRONICS	973-3283200	\$1,314.10
8/16/2023	ULINE SHIP SUPPLIES	800-295-5510	\$422.90
8/16/2023	ULINE SHIP SUPPLIES	800-295-5510	\$6,180.44
8/17/2023	AMZN MKTP US TO07B7611	AMZN.COM/BILL	\$72.14
8/17/2023	AMZN MKTP US TQ82X4LW2	AMZN.COM/BILL	\$79.90
8/17/2023	JET BRITE #5	CAROL STREAM	\$10.00
8/17/2023	RUSH GROUP AUTOMOTIVE	SAINT CHARLES	\$230.00
8/18/2023	AMZN MKTP US TQ6PO1FV0	AMZN.COM/BILL	\$536.01
8/18/2023	ULINE SHIP SUPPLIES	800-295-5510	\$572.90
8/19/2023	AMZN MKTP US TQ84A71P2	AMZN.COM/BILL	\$547.95
8/20/2023	AMZN MKTP US TQ0V78HS2	AMZN.COM/BILL	\$593.61
8/21/2023	AMZN MKTP US TQ17A3DO2	AMZN.COM/BILL	\$77.29
8/23/2023	THE HOME DEPOT #1921	GENEVA	\$62.28
8/23/2023	ULINE SHIP SUPPLIES	800-295-5510	\$1,082.90
8/25/2023	AMZN MKTP US TQ0779UT1	AMZN.COM/BILL	\$87.11
8/28/2023	AMZN MKTP US T31FX6T41	AMZN.COM/BILL	\$89.98
8/29/2023	ULINE SHIP SUPPLIES	800-295-5510	\$688.90
8/30/2023	AMAZON.COM T38S35U82 A	AMZN.COM/BILL	\$60.21

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 8/30/2023
 FULLERS CAR WASH OF GE
 GENEVA

 8/31/2023
 AMZN MKTP US TL7YV14L2
 AMZN.COM/BILL
 \$147.45

Total: \$14,217.66

			Total: \$14,217.66
INFORMATION TECHNOLOGIES DEPARTMENT			
<b>Transaction Date</b>	Merchant Name	Additional Information	Transaction Amount
8/4/2023	TWILIO SENDGRID	SAN FRANCISCO	\$19.95
8/5/2023	APPLE.COM/BILL	866-712-7753	\$0.99
8/5/2023	GOOGLE YOUTUBEPREMIUM	G.CO/HELPPAY#	\$139.99
8/6/2023	MICROSOFT MICROSOFT 36	REDMOND	\$75.58
8/7/2023	AMZN MKTP US TA68S7071	AMZN.COM/BILL	\$184.68
8/7/2023	AMZN MKTP US TA6RN5HU2	AMZN.COM/BILL	\$2,540.78
8/8/2023	AMAZON.COM TA87S2HL0	AMZN.COM/BILL	\$220.63
8/8/2023	AMZN MKTP US TA45H5GF1	AMZN.COM/BILL	\$747.87
8/8/2023	AMZN MKTP US TA6K00732	AMZN.COM/BILL	\$279.00
8/8/2023	AMZN MKTP US TA6KN6M80	AMZN.COM/BILL	\$13.99
8/8/2023	COMCAST CHICAGO	800-COMCAST	\$95.00
8/8/2023	FSP AURORA FASTPRINT,	AURORA	\$144.80
8/10/2023	800.COM, LLC	800-800-4321	\$282.02
8/10/2023	AMAZON.COM TA2FJ27U0 A	AMZN.COM/BILL	\$72.27
8/10/2023	AMAZON.COM TO0XK0N22	AMZN.COM/BILL	\$325.52
8/10/2023	AMAZON.COM TO2677NV2	AMZN.COM/BILL	\$54.95
8/10/2023	AMZN MKTP US TA5TL5SR1	AMZN.COM/BILL	\$84.95
8/10/2023	AMZN MKTP US TA6A787G1	AMZN.COM/BILL	\$46.95
8/10/2023	AMZN MKTP US TA8GT77U1	AMZN.COM/BILL	\$34.58
8/10/2023	AMZN MKTP US TO5WY8FA2	AMZN.COM/BILL	\$74.70
8/10/2023	AMZN MKTP US TO71W83W2	AMZN.COM/BILL	\$86.69
8/10/2023	FS COM INC	RENTON	\$1,888.00
8/11/2023	AMZN MKTP US TA85M0R31	AMZN.COM/BILL	\$14.99
8/11/2023	AMZN MKTP US TA8YK59X1	AMZN.COM/BILL	\$12.61
8/11/2023	COMCAST CHICAGO	800-COMCAST	\$159.90
8/11/2023	TWILIO LFXG3HFB9L4DRMG	SAN FRANCISCO	\$91.13
8/12/2023	AMZN MKTP US TO6SA5CC1	AMZN.COM/BILL	\$77.50
8/12/2023	COMCAST CHICAGO	800-COMCAST	\$558.31
8/12/2023	MEDIACOM BRO	855-633-4226	\$113.99

8/13/2023	AMAZON.COM TO9LU7AW0	AMZN.COM/BILL	\$23.95
8/13/2023	AMZN MKTP US TO1IU0JF0	AMZN.COM/BILL	\$81.00
8/13/2023	AMZN MKTP US TO2WI9EQ0	AMZN.COM/BILL	\$17.99
8/13/2023	AMZN MKTP US TO3WN6AF0	AMZN.COM/BILL	\$160.43
8/14/2023	AMZN MKTP US TO1K73AU1	AMZN.COM/BILL	\$19.43
8/15/2023	AMZN MKTP US TO6IC3XK1	AMZN.COM/BILL	\$593.01
8/15/2023	COMCAST CHICAGO	800-COMCAST	\$154.90
8/16/2023	AMZN MKTP US TOOUP98T1	AMZN.COM/BILL	\$2,099.00
8/16/2023	AMZN MKTP US TO74F9650	AMZN.COM/BILL	\$111.26
8/16/2023	FSP AURORA FASTPRINT,	AURORA	\$439.60
8/17/2023	AMZN MKTP US TO74R7RJ0	AMZN.COM/BILL	\$21.99
8/17/2023	ATT BILL PAYMENT	800-288-2020	\$109.94
8/18/2023	AMZN MKTP US TQ60D9CG0	AMZN.COM/BILL	\$69.99
8/19/2023	AMAZON.COM TO2407YG1	AMZN.COM/BILL	\$59.88
8/19/2023	GOTOCOM RESCUEASSIST	GOTO.COM	\$2,247.24
8/20/2023	COMCAST CHICAGO	800-COMCAST	\$159.90
8/21/2023	COMCAST CHICAGO	800-COMCAST	\$159.90
8/21/2023	SQ VMUG	LAS VEGAS	\$360.00
8/21/2023	SURVEYMONK T 44659749	SAN MATEO	\$468.00
8/22/2023	AMAZON.COM TQ9058850	AMZN.COM/BILL	\$12.98
8/22/2023	AMZN MKTP US TQ0VP9P51	AMZN.COM/BILL	\$79.43
8/22/2023	AMZN MKTP US TQ21F9HV0	AMZN.COM/BILL	\$51.70
8/22/2023	AMZN MKTP US TQ3RU8H10	AMZN.COM/BILL	\$65.14
8/22/2023	AMZN MKTP US TQ8E00XE1	AMZN.COM/BILL	\$911.04
8/22/2023	AMZN MKTP US TQ8Y48QE0	AMZN.COM/BILL	\$27.99
8/22/2023	GOTOCOM RESCUEASSIST	GOTO.COM	\$1,348.32
8/23/2023	AMZN MKTP US	AMZN.COM/BILL	(\$17.81)
8/23/2023	AMZN MKTP US TQ3CW66C1	AMZN.COM/BILL	\$177.28
8/23/2023	ATT BILL PAYMENT	800-288-2020	\$125.17
8/23/2023	COMCAST CHICAGO	800-COMCAST	\$42.12
8/23/2023	LOOM SUBSCRIPTION	SAN FRANCISCO	\$96.00
8/23/2023	LUCID SOFTWARE INC.	8444658243	\$95.40
8/24/2023	AMZN MKTP US T30E01N72	AMZN.COM/BILL	\$21.99
8/24/2023	AMZN MKTP US T38NX3ZW2	AMZN.COM/BILL	\$59.95

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8/24/2023	AMZN MKTP US TQ11W62J1	AMZN.COM/BILL	\$12.59
8/24/2023	AMZN MKTP US TQ23T0741	AMZN.COM/BILL	\$51.00
8/24/2023	AMZN MKTP US TQ3734UT0	AMZN.COM/BILL	\$582.00
8/24/2023	AMZN MKTP US TQ9D262S1	AMZN.COM/BILL	\$11.99
8/24/2023	CONTACT ONE CALL CENTE	520-2929222	\$103.61
8/25/2023	AMZN MKTP US T33A40EZ2	AMZN.COM/BILL	\$349.00
8/25/2023	AMZN MKTP US T34MW6A62	AMZN.COM/BILL	\$14.99
8/25/2023	COMCAST CHICAGO	800-COMCAST	\$159.90
8/25/2023	VENETIAN RESORT HOTEL AND CASINO	LAS VEGAS	\$699.53
8/25/2023	VENETIAN RESORT HOTEL AND CASINO	LAS VEGAS	\$699.53
8/26/2023	FS TECHSMITH	SANTA BARBARA	\$99.99
8/27/2023	AMAZON.COM T35KD44H1 A	AMZN.COM/BILL	\$18.95
8/27/2023	AMAZON.COM T37O69M12 A	AMZN.COM/BILL	\$14.55
8/27/2023	AMZN MKTP US	AMZN.COM/BILL	(\$27.97)
8/28/2023	AMZN MKTP US T33YK2H00	AMZN.COM/BILL	\$26.98
8/28/2023	AMZN MKTP US T370Q7BA2	AMZN.COM/BILL	\$184.62
8/28/2023	AMZN MKTP US T37A746D2	AMZN.COM/BILL	\$25.90
8/29/2023	AMZN MKTP US T33M62UD2	AMZN.COM/BILL	\$207.25
8/29/2023	AMZN MKTP US T36QM08U0	AMZN.COM/BILL	\$19.99
8/29/2023	AMZN MKTP US T39PX89D2	AMZN.COM/BILL	\$55.00
8/29/2023	WPY ILLINOIS COUNTIES	855-469-3729	\$400.00
8/30/2023	AMZN MKTP US T30N11IO2	AMZN.COM/BILL	\$260.99
8/30/2023	DNH GODADDY.COM	480-505-8855	\$92.68
8/30/2023	TWILIO WX6FPB89DWRDP67	SAN FRANCISCO	\$90.22
8/31/2023	AMZN MKTP US T39ZA7W70	AMZN.COM/BILL	\$115.35
8/31/2023	AMZN MKTP US TL7N03OQ2	AMZN.COM/BILL	\$9.98
8/31/2023	SOUTHWEST AIRLINES	800-435-9792	\$420.96
9/1/2023	AMAZON.COM TL3ID6NI2 A	AMZN.COM/BILL	\$39.41
9/1/2023	AMZN MKTP US TL59C6JZ2	AMZN.COM/BILL	\$11.87
9/1/2023	GOOGLE GSUITE_ICIMAON	MOUNTAIN VIEW	\$24.00
9/2/2023	AMZN MKTP US	AMZN.COM/BILL	(\$582.00)
9/2/2023	ZOOM.US 888-799-9666	SAN JOSE	\$40.00
9/3/2023	AMZN MKTP US TL1R54X02	AMZN.COM/BILL	\$195.02

9/3/2023 DNH GODADDY.COM TEMPE \$46.34

Total: \$23,370.65 Total all: \$37,588.31

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STATE OF ILLINOIS	)	
COUNTY OF KANE	)	SS

#### **RESOLUTION NO. TMP-23-1171**

### RATIFYING AN EMERGENCY PURCHASE AFFIDAVIT TO PURCHASE A 2023 FORD ESCAPE HYBRID FOR THE BUILDING MANAGEMENT DEPARTMENT

WHEREAS, the Building Management Department has requested and received emergency purchase authorization from the Kane County Board Chairman, pursuant to Kane County Code Chapter 2, Article VI, Division 3, Section 2-217 (A); and

WHEREAS, there is a global supply chain issue impacting the availability, price and ability to purchase vehicles pursuant to the bidding requirements of the Kane County Purchasing Ordinance; and

WHEREAS, the Building Management Department has located one Ford Escape Hybrid at Hennessy's River View Ford of Oswego, Illinois for the amount of \$46,733.00.

NOW, THEREFORE, BE IT RESOLVED by the Kane County Board that the Emergency Purchase Affidavit, submitted by the Kane County Building Management Department and authorized by the County Board Chairman, is hereby ratified for the purchase of one Ford Escape Hybrid in the amount of Forty-Six Thousand, Seven Hundred and Thirty-Three Dollars (\$46,733) from Hennessy's River View Ford 2200 US Highway 30, Oswego, IL 60543.

Line Item: 500.800.805.70070

Line Item Description: Capital Projects. Automotive Equipment

Was Personnel/Item/Service approved in original budget or a subsequent budget revision? Yes Are funds currently available for this Personnel/Item/Service in the specific line item? Yes If funds are not currently available in the specified line item, where are the funds available? N/A

Passed by the Kane County Board on October 10, 2023.

John A. Cunningham, MBA, J.D.

Clerk, County Board

Kane County, Illinois

Corinne M. Pierog MA, MBA
Chairman, County Board
Kane County, Illinois

Vote:



#### **RESOLUTION/ORDINANCE EXECUTIVE SUMMARY**

Resolution: No.

Ratifying an Emergency Purchase Affidavit to Purchase a 2023 Ford Escape Hybrid for the Building Management Department

Committee Flow: Administration Committee, Finance and Budget Committee,

Executive Committee, County Board Contact: Henry Thompson, 630-762-2174

#### **Budget Information**:

Was this item budgeted? Yes	Appropriation Amount: \$46,733
If not budgeted, explain funding source:	

#### **Summary**:

Ratifying an Emergency Purchase Affidavit to purchase a 2023 Ford Escape Hybrid from Hennessy's River View Ford of Oswego in the amount of \$46,733.

STATE OF ILLINOIS	)	
		SS
COUNTY OF KANE	)	

#### **RESOLUTION NO. TMP-23-1198**

#### AUTHORIZATION OF A CONTRACT FOR KANE COUNTY GENERATOR MAINTENANCE SERVICES

WHEREAS, bids have been solicited for the 2023 Kane County Generator Maintenance Services Bid (BID #23-046) for facilities maintained by Building Management throughout the County of Kane. A total of seven (7) bids were received by the July 27, 2023 at 2:30 p.m. deadline; and

WHEREAS, Building Management outsources all Generator Maintenance Services which cannot be performed in-house by County staff; and

WHEREAS, the contracts cover Generator Maintenance Services at Kane County Government facilities, and Building Management anticipates service and project needs up to Two Hundred Thousand Dollars (\$200,000) per fiscal year; and

WHEREAS, the responsive and responsible bidder for Generator Maintenance Services is Midwest Power Incorporated of Ringwood, IL; and

WHEREAS, Midwest Power Incorporated will be used on a preventative maintenance and project by project basis; and

WHEREAS, this will be a two (2) year contract, which will begin on the date of contract execution by the County Board and will have three (3) one (1) year extensions, if mutually agreed upon and the Kane County Board approves. Kane County reserves the right to change the commencement and/or end of the contract periods; and

WHEREAS, accordingly, appropriate funds have been budgeted for the FY2023, Building Managements budget; and

WHEREAS, the Contracts call for the use of funds beyond the present budget year and the County of Kane acknowledges the necessity of the appropriation of such funds.

NOW, THEREFORE, BE IT RESOLVED by the Kane County Board that the chairman thereof is hereby authorized to execute contracts with Midwest Power Incorporated at 4833 Prime Parkway, McHenry, IL 60050 for Generator Maintenance Services on a preventative maintenance and project by project basis for an approved two (2) year term in an amount not to exceed Two Hundred Thousand Dollars (\$200,000) per fiscal year.

Line Item Description: Various Budgeted Line Items - Contractual Was Personnel/Item/Service approved in original budget or a subsequent budget revision? Yes Are funds currently available for this Personnel/Item/Service in the specific line item? Yes If funds are not currently available in the specified line item, where are the funds available? N/A

Passed by the Kane County Board on October 10, 2023.

John A. Cunningham, MBA, J.D. Clerk, County Board Kane County, Illinois

Corinne M. Pierog MA, MBA Chairman, County Board Kane County, Illinois



Resolution: No.

Committee Flow: Administration Committee, Finance and Budget Committee,

Executive Committee, County Board

Contact: Henry Thompson, 630-762-2174

#### **Budget Information:**

Was this item budgeted? Yes	Appropriation Amount: \$200,000
If not budgeted, explain funding source:	

#### **Summary**:

Authorizing a contract for Kane County Generator Maintenance Services for Midwest Power Incorporated for preventative maintenance and on a project by project basis. An amount not to exceed Two Hundred Thousand Dollars (\$200,000) per fiscal year.

STATE OF ILLINOIS	)	
		SS
COUNTY OF KANE	)	

# AUTHORIZING A CONTRACT EXTENSION FOR A WATER TESTING FIRM FOR THE JUDICIAL CENTER CAMPUS WITH PHIGENICS INDEPENDENT WATER MANAGEMENT OF WARRENVILLE, IL

WHEREAS, the County contracted with BRIC to develop a Water Management Plan for the Adult and Juvenile Justice Center buildings; and

WHEREAS, the Water Management Plan outlines both standard water testing and reporting requirements as well as emergency response procedures; and

WHEREAS, the Purchasing Department issued a Request for Qualifications (22-009) to solicit qualified Professional Services for Potable Water Testing Services with one response being received; and

WHEREAS, the County requests and Phigenics agrees to the extension of the contract for an additional one (1) year of services. This is the first authorized one (1) year renewal; and

WHEREAS, Phigenics has been working with County staff on initial testing and the chlorine flushing system and they are both qualified for the work and were incredibly responsive when testing services and flushing equipment was specified with very short notice.

NOW, THEREFORE, BE IT RESOLVED by the Kane County Board that the Chairman thereof is hereby authorized to execute a one year contract extension with Phigenics of Warrenville, IL for a Water Testing Firm for the Judicial Center Campus in a not to exceed amount of Sixty Thousand Dollars (\$60,000) per fiscal year.

Line Item: 001.080.080.52110, 500.800.805.72010, Various
Line Item Description: Repairs and Maintenance Buildings, Capital, Various
Was Personnel/Item/Service approved in original budget or a subsequent budget revision? Yes
Are funds currently available for this Personnel/Item/Service in the specific line item? Yes
If funds are not currently available in the specified line item, where are the funds available? N/A

Passed by the Kane County Board on October 10, 2023.

John A. Cunningham, MBA, J.D. Clerk, County Board Kane County, Illinois

Corinne M. Pierog MA, MBA Chairman, County Board Kane County, Illinois



Resolution: No. AUTHORIZING THE EXTENSION FOR A WATER TESTING FIRM FOR THE JUDICIAL CENTER CAMPUS WITH PHIGENICS INDEPENDENT WATER MANAGEMENT OF WARRENVILLE, IL

Committee Flow: Administration Committee, Finance and Budget Committee,

Executive Committee, County Board

Contact: Henry Thompson, 630-762-2174

#### **Budget Information:**

Was this item budgeted? Yes	Appropriation Amount: \$60,000
If not budgeted, explain funding source:	

#### **Summary**:

Authorizing a one year contract extension for the Judicial Center Campus with Phigenics Independent Water Management. The contract is authorized for an amount not to exceed \$60,000 per fiscal year.

STATE OF ILLINOIS	)	
		SS
COUNTY OF KANE	)	

#### AUTHORIZING A CONTRACT EXTENSION FOR A WATER OPERATOR FOR THE JUDICIAL CENTER CAMPUS WITH SHEAFFER AND ROLAND OF GENEVA, IL

WHEREAS, the County owns a watermain system on the Judicial Center campus that requires a Class D operator to provide maintenance through proper flushing, hydrant maintenance and bacteria testing; and

WHEREAS, the County maintains large mechanical systems within the buildings on the campus and wants to ensure the longevity of this equipment by verifying water treatment systems are in place to mitigate the impacts of water chemistry on these systems; and

WHEREAS, the Purchasing Department issued a Request for Qualifications (56-021) to solicit qualified Professional Services for the Water Operator on the Judicial Center Campus with one response being received; and

WHEREAS, the County requests and Sheaffer and Roland agrees to the extension of the contract for an additional one (1) year of services at the same unit cost as the original agreement. This is the first authorized one (1) year renewal; and

WHEREAS, Sheaffer and Roland has been operating the watermain system on the Judicial campus since earlier this year and they are both qualified for the work and were incredibly responsive when flushing services were required with very short notice.

NOW, THEREFORE, BE IT RESOLVED by the Kane County Board that the Chairman thereof is hereby authorized to execute a one year contract extension with Sheaffer and Roland of Geneva, IL for a Water Operator for the Judicial Center Campus in a not to exceed amount of Twenty-one Thousand Eight Hundred dollars (\$21,800) per fiscal year.

Line Item: 001.080.080.52110

Line Item Description: Repairs and Maintenance Buildings

Was Personnel/Item/Service approved in original budget or a subsequent budget revision? Yes Are funds currently available for this Personnel/Item/Service in the specific line item? Yes If funds are not currently available in the specified line item, where are the funds available? N/A

Passed by the Kane County Board on October 10, 2023.

John A. Cunningham, MBA, J.D. Clerk, County Board

Corinne M. Pierog MA, MBA Chairman, County Board

Kane County, Illinois

Kane County, Illinois



Resolution: No. AUTHORIZING THE EXTENSION FOR A WATER OPERATOR FOR THE JUDICIAL CENTER CAMPUS WITH SHEAFFER AND ROLAND OF GENEVA, IL

Committee Flow: Administration Committee, Finance and Budget Committee,

Executive Committee, County Board Contact: Henry Thompson, 630-762-2174

#### **Budget Information:**

Was this item budgeted? Yes	Appropriation Amount: \$21,800
If not budgeted, explain funding source:	

#### **Summary**:

Authorizing a one year contract extension for a water operator for the judicial center campus with Sheaffer and Roland. The contract authorizes that the Judicial Center Campus is not to exceed \$21,800 per fiscal year.

STATE OF ILLINOIS	)	
		SS
COUNTY OF KANE	)	

# AUTHORIZING A CONTRACT FOR BUILDING MANAGEMENT SNOW PLOWING SERVICES

WHEREAS, Kane County has solicited and received six (6) bids (BID#23-028) for snow removal services at the following properties: Government Center, Bldg C, Judicial Center, Juvenile Justice Center, Sheriff's Office and Jail, Animal Control, Gas Pumps and OEM; and,

WHEREAS, the lowest responsive, responsible bidder, as per bid documents and specifications was Santa's Village Enterprises 601 Dundee Avenue East Dundee, IL 60118; and

WHEREAS, this is a three (3) year "Zero Tolerance Accumulation" contract, with two (2) optional mutually agreed upon one (1) year extensions as outlined in the bid specifications; and

WHEREAS, the cost of the Building Management snow plowing will be not to exceed Two Hundred and Fifty Thousand Dollars (\$250,000) per fiscal year; and

WHEREAS, funds have been budgeted and will be paid from the Building Management Repairs Maintenance- Roads fund (001.080.080.52020); and

WHEREAS, the Contract calls for the use of funds beyond the present budget year and the County of Kane acknowledges the necessity of the appropriation of such funds.

NOW, THEREFORE, BE IT RESOLVED by the Kane County Board that the Chairman is hereby authorized to execute a three (3) year contract with Santa's Village Enterprises, 601 Dundee Avenue, East Dundee, IL 60118 for snow removal and salting services for six months seasonally for Building Management, in the amount of and not to exceed Two Hundred and Fifty Thousand Dollars (\$250,000) per fiscal year.

Line Item: 001.080.080.52020

Line Item Description: Repairs Maintenance- Roads

Was Personnel/Item/Service approved in original budget or a subsequent budget revision? Yes Are funds currently available for this Personnel/Item/Service in the specific line item? Yes If funds are not currently available in the specified line item, where are the funds available? N/A

Passed by the Kane County Board on October 10, 2023.

John A. Cunningham, MBA, J.D. Corinne M. Pierog MA, MBA

Clerk, County Board Kane County, Illinois Chairman, County Board Kane County, Illinois



# Resolution: No. AUTHORIZING A CONTRACT FOR BUILDING MANAGEMENT SNOW PLOWING SERVICES

Committee Flow: Administration Committee, Finance and Budget Committee,

Executive Committee, County Board Contact: Henry Thompson, 630-762-2174

#### **Budget Information:**

Was this item budgeted? Yes	Appropriation Amount: \$250,000
If not budgeted, explain funding source:	

#### **Summary**:

The resolution is authorizing a three year "Zero Tolerance Accumulation" contract for snow removal services through Santa's Village. The contract authorizes for an amount of and not to exceed \$250,000 per fiscal year.

STATE OF ILLINOIS	)	
COUNTY OF KANE	)	SS

# AUTHORIZING A CONTRACT FOR KANE COUNTY ELECTRICIAN SERVICES

WHEREAS, bids have been solicited for the Electrician Services (BID#23-048) for facilities maintained by Building Management throughout the County of Kane and the Mill Creek SSA. A total of three (3) bids were received by the July 27, 2023 at 2:30 p.m. deadline; and

WHEREAS, the contract covers Electrician Services on a project by project basis at Kane County Government facilities and the Mill Creek SSA, and Building Management anticipates services needs up to Two Hundred and Fifty Thousand Dollars (\$250,000) per fiscal year; and

WHEREAS, the responsive and responsible bidders for the Electrician Services are 1.) Gatza Electric of Plano, 2.) Kellenberger Electric of Elgin, and 3.) Rehm Electric Shop of St. Charles; and

WHEREAS, Gatza Electric, Kellenberger Electric, Inc., and Rehm Electric Shop, Inc. will be used on a project by project basis, at the per hour rates cited in their contract; and

WHEREAS, this will be a two (2) year contract, which will begin on the date of contract execution by the Kane County Board and will have three (3) one (1) year extensions, if mutually agreed upon and the Kane County Board approves. Kane County reserves the right to change the commencement and/or end of the contract periods; and

WHEREAS, accordingly, appropriate funds have been budgeted for the FY2023 Building Management budget and the Mill Creek SSA budget; and

WHEREAS, the contract calls for the use of funds beyond the present budget year and the County of Kane acknowledges the necessity of the appropriation of such funds.

NOW, THEREFORE, BE IT RESOLVED by the Kane County Board that the Chairman thereof is hereby authorized and directed to execute a contract with 1.) Gatza Electric, 303 Rosewood Street, Plano, IL 60545, 2.) Kellenberger Electric, Inc.,1540 Fleetwood Drive, Elgin, IL 60123, and 3.) Rehm Electric Shop, Inc., 215 West Main Street, St. Charles, IL 60174 for Electrician Services on a project by project basis for facilities maintained by Building Management throughout the County of Kane and the Mill Creek SSA for an approved two (2) year term in an amount not to exceed Two Hundred and Fifty Thousand Dollars (\$250,000) per fiscal year.

*Line Item:* 001.080.080.52110, 500.800.805.72010, 520.690.730.52120 various *Line Item Description:* Repairs and Maint- Buildings/grounds, Capital, Various

Was Personnel/Item/Service approved in original budget or a subsequent budget revision? Yes Are funds currently available for this Personnel/Item/Service in the specific line item? Yes If funds are not currently available in the specified line item, where are the funds available? N/A

Passed by the Kane County Board on October 10, 2023.

John A. Cunningham, MBA, J.D. Clerk, County Board Kane County, Illinois

Corinne M. Pierog MA, MBA Chairman, County Board Kane County, Illinois



# Resolution: No. AUTHORIZING A CONTRACT FOR KANE COUNTY ELECTRICIAN SERVICES

Committee Flow: Administration Committee, Finance and Budget Committee,

Executive Committee, County Board Contact: Henry Thompson, 630-762-2174

#### **Budget Information:**

Was this item budgeted? Yes	Appropriation Amount: \$250,000
If not budgeted, explain funding source:	

#### **Summary**:

Authorizing a two year contract for Kane County Electrician Services for 3 vendors (Gatza Electric, Kellenberger Electric and Rehm Electric) on a project by project bases. Authorizing an amount not to exceed Two Hundred and Fifty Thousand Dollars (\$250,000) per fiscal year.

STATE OF ILLINOIS	)	
		SS
COUNTY OF KANE	)	

#### **AUTHORIZING A CONTRACT FOR FIRE PROTECTION SERVICES**

WHEREAS, bids have been solicited for Fire Protection Services (BID#23-043) for facilities maintained by Building Management throughout the County of Kane. A total of four (4) bids were received by the July 18, 2023 deadline; and

WHEREAS, the contract covers fire suppression device and alarm detection device testing and inspection, and fire alarm detection system repair services, and sprinkler system repair services; and

WHEREAS, the responsive and responsible bidder for the fire suppression device and alarm detection device testing and inspection, and fire alarm detection system repair services (Section #1, #2, and #4) was Alarm Detection Systems, Inc. of Aurora, Illinois; and

WHEREAS, the responsive and responsible bidders for the sprinkler system repair services (Section #3) were ADT Commercial, LLC of Burr Ridge, Illinois, Alert Fire Protection of Mokena, Illinois and F.E. Moran Inc. of Northbrook, Illinois; and

WHEREAS, Alarm Detection Systems will be used based on Building Management's needs and the fees cited in their contract; and

WHEREAS, ADT Commercial, LLC, Alert Fire Protection, and F.E. Moran will be used on a project by project basis, at the per hour rates cited in their contract; and

WHEREAS, these will be three (3) year contracts, which will begin on the date of contract execution by the Kane County Board and will have two (2) one (1) year extensions, if mutually agreed upon and the Kane County Board approves. Kane County reserves the right to change the commencement and/or end of the contract periods; and

WHEREAS, accordingly, appropriate funds have been budgeted for the FY2023 Building Management budget; and

WHEREAS, the contracts call for the use of funds beyond the present budget year and the County of Kane acknowledges the necessity of the appropriation of such funds.

NOW, THEREFORE, BE IT RESOLVED by the Kane County Board that the Chairman thereof is hereby authorized and directed to execute a contract with Alarm Detection Systems Inc. of Aurora Illinois, ADT Commercial, LLC of Burr Ridge, Illinois, Alert Fire Protection of Mokena, Illinois and F.E. Moran Inc. of Northbrook, Illinois on a as needed, project by project basis, for an approved three (3) year term for a total not to exceed amount of Five Hundred Thousand Dollars (\$500,000) per fiscal year.

Line Item: 001.080.080.52110, 500.800.805.72010, various
Line Item Description: Repairs and Maint- Buildings, Capital, Various
Was Personnel/Item/Service approved in original budget or a subsequent budget revision? Yes
Are funds currently available for this Personnel/Item/Service in the specific line item? Yes
If funds are not currently available in the specified line item, where are the funds available? N/A

Passed by the Kane County Board on October 10, 2023.

John A. Cunningham, MBA, J.D. Clerk, County Board Kane County, Illinois

Corinne M. Pierog MA, MBA Chairman, County Board Kane County, Illinois



# Resolution: No. AUTHORIZING A CONTRACT FOR FIRE PROTECTION SERVICES

Committee Flow: Administration Committee, Finance and Budget Committee,

Executive Committee, County Board Contact: Henry Thompson, 630-762-2174

#### **Budget Information:**

Was this item budgeted? Yes	Appropriation Amount: \$500,000
If not budgeted, explain funding source:	

#### **Summary**:

The resolution is authorizing a three year contract for fire protection services with Alarm Detection Systems, Inc. of Aurora, ADT Commercial, LLC of Burr Ridge and F.E. Moran Inc. The resolution authorizes an amount not to exceed \$500,000 per fiscal year.

STATE OF ILLINOIS	)	
COUNTY OF KANE	)	SS

# AUTHORIZING ADDITIONAL EXPENDITURE OF FUNDS FOR ONLINE MARKETPLACE AND MAINTENANCE, REPAIR, AND OPERATIONS (MRO) SUPPLIES & EQUIPMENT

WHEREAS, Pursuant to article VII, section 10, of the Illinois Constitution of 1970, and the Intergovernmental Cooperation Act, 5 ILCS 220/1, et seq., the County is permitted to procure materials, services, supplies, equipment, construction and construction-related services through other governmental agencies, provided certain conditions are satisfied; a

WHEREAS, Article VI, Division 3, Section 2-221 of the Kane County Code permits joint purchasing when the procurements are made pursuant to a written agreement, competitive selection procedures were used, the intent is not to circumvent competitive bidding, and the county is authorized under law or regulation to contract with another government agency; and

WHEREAS, OMNIA Partners is a cooperative purchasing organization that aggregates the purchasing power of governmental entities nationwide; and

WHEREAS, OMNIA Partners offers access to cooperative purchasing agreements that have been awarded through a request for proposal competitive solicitation issued by a governmental entity, also known as a principal procurement agency; and

WHEREAS, in order for another governmental entity, also known as a participating public agency, to utilize agreements available through OMNIA Partners, the participating agency may execute a Master Intergovernmental Cooperative Purchasing Agreement ("MICPA"); and

WHEREAS, the MICPA is an agreement between the principal procurement agencies and the participating public agencies that permits the participating public agencies to purchase products pursuant to the master agreements executed by the principal procurement agencies and the third-party businesses; and

WHEREAS, the Purchasing Department of Kane wishes to execute the MICPA in order to cooperatively utilize master agreements made available through OMNIA Partners in accordance with Article VI, Division 3, Section 2-221 of the Kane County Code.

WHEREAS, the Kane County Building Management Department desires to utilize the Omnia Partners Cooperative with Grainger to purchase from the Grainger Online Marketplace and Maintenance, Repair and Operations (MRO) Supplies & Equipment; and

WHEREAS, the Omnia Partners contract was publicly bid by Region 4 Education Service Center (ESC) of Houston, Texas and is available under Contract Number: R192002;

and

WHEREAS, the Omnia Partners contract was awarded from April 1, 2020 through March 31, 2023 with the option to renew for two (2) additional one (1) year periods through March 31, 2025; and

WHEREAS, the Omnia Partners contract was publicly bid by Region 4 Education Service Center (ESC) of Houston, Texas and is available under Contract Number: MA3461; and

WHEREAS, the Omnia Partners contract was awarded from May 6, 2020 through May 5, 2025 with no renewal options; and

WHEREAS, Kane County has used the Omnia Partners contract in the past; and

WHEREAS, this purchase calls for the use of funds during multiple budget years; and

WHEREAS, the Building Management Department has had additional needs throughout the County Offices and Departments to purchase online marketplace and maintenance, repair and operations (MRO) supplies & equipment through Grainger. Due to the additional needs, Building Management has the need to add One Hundred Thousand Dollars \$100,000 to the per fiscal year amount making the total Four Hundred Thousand Dollars \$400,000 per fiscal year; and

WHEREAS, Kane County acknowledges the necessity of the appropriation of such funds from multiple County funds and line items at a cost not to exceed \$400,000 per year.

NOW, THEREFORE, BE IT RESOLVED by the Kane County Board that the Building Management Department is hereby authorized to expend a not to exceed Four hundred thousand (\$400,000) per year utilizing the Omnia Partners Cooperative to purchase Online Marketplace and Maintenance, Repair and Operations (MRO) Supplies & Equipment through Grainger contract #MA3461 through May 5, 2025 and Grainger contract #R192002 to be paid from various line items as needed for departments and offices.

NOW, THEREFORE, BE IT FURTHER RESOLVED that the Kane County Board Chairman and the Building Management Department are authorized to purchase and enter into joint purchasing agreements with OMNIA Partners, Region 4 Education Service Center (ESC) of Houston, Texas (Contract R192002) and Grainger for the purchase of building materials, tools, and supplies.

Line Item: 001.080.080.52110, 001.080.080.52160, various

Line Item Description: Repairs and Maint- Buildings/equipment, Various

Was Personnel/Item/Service approved in original budget or a subsequent budget revision? Yes

Are funds currently available for this Personnel/Item/Service in the specific line item? Yes

If funds are not currently available in the specified line item, where are the funds available? N/A

Passed by the Kane County Board on October 10, 2023.

John A. Cunningham, MBA, J.D. Clerk, County Board Kane County, Illinois Corinne M. Pierog MA, MBA Chairman, County Board Kane County, Illinois



Resolution: No. AUTHORIZING ADDITIONAL EXPENDITURE OF FUNDS FOR ONLINE MARKETPLACE AND MAINTENANCE, REPAIR AND OPERATIONS (MRO) SUPPLIES AND EQUIPMENT

Committee Flow: Administration Committee, Finance and Budget Committee,

Executive Committee, County Board Contact: Henry Thompson, 630-762-2174

#### **Budget Information:**

Was this item budgeted? Yes	Appropriation Amount: \$400,000
If not budgeted, explain funding source:	

#### Summary:

This resolution is authorizing an additional expenditure of funds for Grainger for the purchase of building materials, tools and supplies. This resolution authorizes an extra \$100,000 to make it for an amount not to exceed \$400,000 per fiscal year.

STATE OF ILLINOIS	)	
		SS
COUNTY OF KANE	)	

# AUTHORIZING THE KANE COUNTY SHERIFF'S OFFICE NEW ADMINISTRATION WING PROJECT AND A BUDGET ROLLOVER

WHEREAS, the Kane County Adult Justice Center is in dire need of additional office space due to the Kane County Sheriff's Office expanding inmate programs, expanding social worker team and the need for additional evidence storage; and

WHEREAS, the Kane County Sheriff's Office, in coordination with Building Management and Information Technologies announced a request for proposals to expand the Kane County Sheriff's Office into the unused portion of the Kane County Adult Judicial Center front lobby; and

WHEREAS, bids have been solicited and received for the Kane County Sheriff's Office New Administration Wing Project (BID #23-037). A total of seven (7) bids were received and opened publicly on Thursday, July 20, 2023, at 3:30 pm; and

WHEREAS, a Kane County Evaluation Team consisting of members from the Kane County Sheriff's Office, the Kane County Building Management Department and the Kane County Information Technologies Department held a project scope review after the bid opening to ensure that each bidder fully understood the project and the contract requirements and to determine the best overall contractor for the project; and

WHEREAS, per the bid documents and specifications, the Kane County Evaluation Team recommends that the project be awarded to Lite Construction, Inc (LCI), 711 S. Lake Street, Montgomery, IL 60538 for a Total Bid of \$649,674.00. LCI is in agreement that the scope of work was also included in their bid; and

WHEREAS, the Kane County Evaluation Team further recommends that the total project cost also include a project contingency of \$60,000.00 to handle any issues during construction. The suggested contingency value for the project was included in the grand total project cost of \$649,674.00; and

WHEREAS, the \$60,000.00 contingency will be held by the County; and

WHEREAS, the Kane County Sheriff's Office has retained Kluber Inc., 41 W. Benton Street, Aurora, IL 60506 to provide construction administration services for the project in the amount of Nineteen Thousand, Nine Hundred Fifty Dollars and 00/100 (\$19,950.00); and

WHEREAS, the Kane County Sheriff's Office requests that \$500,000.00 of Capital Fund 500 be reserved to fund the Kane County Sheriff's Office Administration Wing Project.

NOW, THEREFORE, BE IT RESOLVED that the Kane County Board that the following

adjustment be made to the Fiscal Year 2023 budget along with the appropriate transfer of funds to reflect the above mentioned assignment:

500.800.000.39000

\$500,000

500.800.805.72010 000.000.000.0000

112.800.806.9900

\$669,624

Transfer from Special Reserve??

\$0

Building Improvements??

??? \$0

Transfer to Capital Fund??

NOW, THEREFORE, BE IT FURTHER RESOLVED by the Kane County Board that the Chairman of the Board is authorized to execute a contract for the authorization of the Kane County Sheriff's Office New Administration Wing Project to Lite Construction, Inc (LCI) of Montgomery, IL for the bid amount of Six Hundred Forty-Nine Thousand, Six Hundred Seventy-Four Dollars and 00/100 (\$649,674.00) which includes a Sixty Thousand Dollar (\$60,000.00) project contingency and an additional cost of \$19,950.00 for construction administration services for a total project cost of Six Hundred Sixty-Nine Thousand, Six Hundred Twenty-Four Dollars and 00/100 (\$669,624.00).

Passed by the Kane County Board on October 10, 2023.

John A. Cunningham, MBA, J.D. Clerk, County Board

Kane County, Illinois

Corinne M. Pierog MA, MBA Chairman, County Board Kane County, Illinois



#### **RESOLUTION / ORDINANCE EXECUTIVE SUMMARY ADDENDUM**

#### <u>Title</u>

Authorizing the Kane County Sheriff's Office New Administration Wing Project and Budget Rollover

#### **Committee Flow:**

Administration Committee, Finance and Budget Committee, Executive Committee, County Board

#### Contact:

Christie Duffy, 630.208.2001

#### **Budget Information:**

Was this item budgeted? Yes	Appropriation Amount: \$669,624.00
If not budgeted, explain funding source: Unuse	d funds rolled into the Captial Fund 500

#### Summary:

This resolution authorizes the Kane County Sheriff's Office New Administration Wing project. The Kane County Adult Justice Center is in dire need of additional office space due to the expanding inmate programs, expanding social worker team and the need for additional evidence storage. In coordination with Building Management and Information Technologies, a decision was made to renovate the unused portion of the Kane County Adult Judicial Center front lobby for a New Administration Wing. On June 22, 2023, a Request for Bid was posted. The Kane County Evaluation Team selected Lite Construction, Inc. (LCI) of Montgomery, IL, as the most responsible bidder.

#### **County of Kane PURCHASING DEPARTMENT** KANE COUNTY GOVERNMENT CENTER

Telephone: (630) 208-3803

Fax: (630) 208-5107

719 S. Batavia Avenue, Bldg, A Geneva, Illinois 60134



September 1, 2023

#### PROCUREMENT SYNOPSIS

Requesting Department:	Kane County Sheriff's Office	
Procurement Name:	Bid 23-037 Kane County Sheriff's Office Renovation Project	
Recommended Vendors:	Lite Construction, Inc	

#### NOTIFICATION AND RESPONSE

Public Notices: Bidnet Direct and The Daily Herald

Advertising Date:	June 19, 2023	Notices sent/Plan Holders: 34/34	
Proposal Due Date:	July 20, 2023	Proposals Received: 7	

#### **PURPOSE**

This bid is seeking a qualified and experienced General Contractor for the Kane County Sheriff's Office Administration Wing improvement and renovation project.

Kane County Sheriff's Office, Kluber Architects & Engineers, the architect of record, evaluated all bids per specifications and contract requirements and determined that Lite Construction of Montgomery, IL was the most responsive, responsible bidder to perform the required services at the highest quality and value. The following bids were received:

VENDORS	Base Bids	Alternate	Total with Alternate
Lite Construction, Inc - Montgomery, IL	\$649,674.00	\$0.00	\$649,674.00
Ostrander Construction, Inc - Downers Grove, IL	\$716,315.00	(\$17,630.00)	\$698,685.00
CCC Holdings, Inc - Tinley Park, IL	\$686,000.00	\$19,400.00	\$705,400.00
Kandu Construction, Inc - Skokie, IL	\$757,000.00	(\$23,000.00)	\$734,000.00
Manusos GC - Fox Lake, IL	\$761,330.00	\$0.00	\$761,330.00
KWCC, Inc - Montgomery, IL	\$827,900.00	(\$4,900.00)	\$823,000.00
R.L. Sohol - Plainfield, IL	\$985,000.00	(\$4,200.00)	\$980,800.00

Based on cost, experience, and bid compliance, the Sheriff's Office and staff concurred with Kluber and recommended awarding this contract to Lite Construction, of Montgomery, Illinois pending approval by Committee and County Board.

Submitted By: Timothy Keovongsak, Tim Keovongsak, CPPB Assistant Director of Purchasing **GENERAL NOTES** 

STANDARD ABBREVIATIONS

**EXISTING** 

**EXPANSION** 

FLOOR DRAIN

FOUNDATION

FOUNDATION

**FLOOR** 

FOOTING

**GALVANIZED** 

GAUGE

FIRE EXTINGUISHER

FIRE HOSE CABINET

FURRING CHANNEL

GENERAL CONTRACTOR

GENERAL CONTRACTOR

THE MATERIALS, ABBREVIATIONS, AND DRAFTING SYMBOLS LEGEND ARE EACH AN ALL INCLUSIVE MASTER LIST USED BY THIS FIRM. THE INCLUSION OF THESE LEGENDS INTO THESE DOCUMENTS DOES NOT IMPLY THAT ALL THE SYMBOLS OR MATERIALS INCLUDED IN THESE LEGENDS ARE INCORPORATED INTO THIS PROJECT. ABBREVIATIONS MAY APPEAR WITH PERIODS OR OTHER PUNCTUATION SEPARATING CHARACTERS ON THE DRAWINGS; THE MEANING REMAINS THE SAME.

GYPSUM WALL BOARD (TYPE)

**EXIST** 

EXP

FDN

FNDN

FHC

FRT

FTG

GALV

FUR CHN'L

GEN CONTR

GYP BD-(1)

**EXP CONST** 

ELECTRIC WATER HEATER

**EXPOSED CONSTRUCTION** 

FIRE EXTINGUISHER CABINET

FIRE RETARDANT TREATED

## A. GENERAL NOTES

ALL CONTRACTORS ARE REQUIRED TO VISIT THE SITE AND BE KNOWLEDGEABLE REGARDING EXISTING CONDITIONS AND THEIR EFFECT ON THE PROPOSED WORK. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR. ANY CONDITIONS REQUIRING MODIFICATION BEFORE PROCEEDING WITH THE PROJECT.

STATE, AND FEDERAL REGULATIONS INCLUDING THE ILLINOIS ACCESSIBILITY CODE

- 2. NOTIFY THE OWNER'S REPRESENTATIVE A MINIMUM OF 72 HOURS PRIOR TO THE INTERRUPTION OF ANY UTILITY. PROTECT AND KEEP IN SERVICE ACTIVE UNDERGROUND UTILITIES, PIPES, OR CONDUITS, WHETHER INDICATED ON THE DRAWINGS OR NOT, UNLESS SPECIFICALLY CALLED FOR TO BE REMOVED, RELOCATED, OR DISCONNECTED AND
- 4. CONTRACTORS AND SUBCONTRACTORS SHALL COORDINATE THEIR WORK WITH THAT OF OTHER TRADES.
- 5. NO WORK WILL BE PERMITTED TO BE INSTALLED WITHOUT RECEIPT AND SUBSEQUENT REVIEW OF FULL AND COMPLETE SUBMITTALS BY THE ARCHITECT/ENGINEER.
- DO NOT SCALE DRAWINGS, DIMENSIONS INDICATED TAKE PRECEDENCE OVER SCALE

ANCHOR BOLT

ACOUSTICAL CEILING PANEL

ADJACENT OR ADJUSTABLE

ACOUSTICAL CEILING TILE

ABOVE FINISH FLOOR

ABOVE FINISH GRADE

ABRASIVE

ACOUSTIC

ADDITION

**ADDITIONAL** 

**ALUMINUM** 

**ALTERNATE** 

ACCESS PANE

**APPROXIMATE** 

ASPHALT

**AUTOMATIC** 

AVERAGE

**BASEMENT** 

BOARD

BEARING

**BRACKET** 

CEILING

COLUMN

DOWN

DOOR

DETAIL

DOWELS

**EPOXY** 

EQUAL

CLEAR

BOTTOM OF

ANCHOR

ACP

**ACOU** 

ADD'N

ADD'L

**ANCHR** 

**APPROX** 

BRK1

CAB

COMP

CONC

COND

CONT

CONTR

CPT-(1)

CTR SK

DWGS

ELEC

ELEV

**EMBED** 

**EMER** 

EW

ELEC CONTR

CONC OPNO

CEM PL-(1)

CT PAV-(1

(2018) AND THE AMERICANS WITH DISABILITIES ACT.

- VERIFY ALL DIMENSIONS AND ELEVATIONS IN THE FIELD. WHERE DISCREPANCIES ARE FOUND BETWEEN DIMENSIONS OR ELEVATIONS SHOWN AND ACTUAL FIELD CONDITIONS, NOTIFY ARCHITECT/ENGINEER.
- WHERE CONFLICTS MAY EXIST BETWEEN THE REQUIREMENTS OF PORTIONS OF THE CONTRACT DOCUMENTS. THE GREATER QUANTITY, HIGHER QUALITY OR MORE STRINGENT REQUIREMENT SHALL GOVERN. THEREFORE, BY EXECUTING A CONTRACT FOR CONSTRUCTION. THE CONTRACTOR AGREES THAT, IF IT RAISED NO QUESTIONS REGARDING SUCH CONFLICTS DURING THE BIDDING PROCESS, AND IN THE ABSENCE OF A CLARIFYING ADDENDUM ISSUED DURING THE BIDDING PROCESS, IT HAS VOLUNTEERED TO COMPLY WITH THE MORE EXPENSIVE REQUIREMENT AS PART OF ITS BASE BID AND IS NOT ENTITLED TO ANY ADDITIONAL COMPENSATION TO RESOLVE THE CONFLICT.
- 9. THE CONTRACT DOCUMENTS REQUIRE THE CONTRACTOR TO FURNISH AND INSTALL COMPLETE PRODUCTS, SYSTEMS COMPONENT OR UNIT OF A PRODUCT, SYSTEM OR SERVICE. THE CONTRACTOR FURTHER AGREES THAT, AS PART O ITS BID, IT MUST FURNISH AND INSTALL EVERY LENGTH, SEGMENT, PIECE, PART, COMPONENT OR UNIT OF A PRODUCT, SYSTEM OR SERVICE AND, CONSEQUENTLY, THE CONTRACTOR IS NOT ENTITLED TO ANY ADDITIONAL COMPENSATION FOR ANY LENGTH, SEGMENT, PIECE, PART COMPONENT OR UNIT OF A PRODUCT, SYSTEM OR SERVICE BECAUSE IT IS NOT EXPRESSLY DEPICTED HEREIN.

- B: MISCELLANEOUS AND DEMOLITION NOTES
- COORDINATE PENETRATIONS AND/OR SLEEVES REQUIRED IN WALLS, FLOORS, CEILINGS OR ROOFS FOR MECHANICAL AND ELECTRICAL WORK REQUIRED BY ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND
- 2. SEAL WITH UL APPROVED MATERIALS PENETRATIONS OF DUCTWORK, CONDUIT AND PIPES THROUGH FIRE-RATED ASSEMBLIES, TO MAINTAIN THE RATING INTEGRITY OF THOSE ASSEMBLIES. PROVIDE FIRE DAMPERS AS INDICATED ON THE DRAWINGS.
- 3. SEAL WITH ACOUSTICAL SEALANT PENETRATIONS OF DUCTWORK, CONDUIT AND PIPES THROUGH NON-RATED FLOORS, FULL-HEIGHT WALLS/PARTITIONS, ACOUSTICALLY INSULATED WALLS/PARTITIONS, AND SOUND-RATED WALLS/PARTITIONS, TO MAINTAIN THE ACOUSTICAL INTEGRITY OF THOSE
- APPLY APPROPRIATE & COMPATIBLE SEALANT MATERIALS AS REQUIRED TO SEPARATE DISSIMILAR METALS, FILL GAPS IN EXISTING ASSEMBLIES OR WHERE NEW AND EXISTING ASSEMBLIES MEET OR WHERE OTHERWISE REQUIRED BY THE SPECIFICATIONS.
- BRING ANY UNFORESEEN OR CONFLICTING CONDITIONS TO THE IMMEDIATE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK.

PVMT

PLB'G

PLB'G CONTR

R OR RAD

REINF

PAVEMENT

PLASTER

**PLUMBING** 

**PLYWOOD** 

RADIUS

ROOF DRAIN

RIGHT HAND

REFERENCE

ROUGH OPENING

PLASTIC LAMINATE(D)

PLUMBING CONTRACTOR

POLYVINYL CHLORIDE

GYPSUM PLASTER (TYPE)

RUBBER FLOORING (TYPE)

PRECAST (CONCRETE) OPENING

PIECE

PLATE

REPAIR, PATCH, OR REPLACE FINISH MATERIALS OR VISIBLE ASSEMBLIES THAT ARE SOILED, CUT OR DAMAGED IN ANY FASHION DURING THE COURSE OF THE WORK. PERFORM PATCHING SUCH THAT EDGES BLEND INTO CONTIGUOUS SURFACES SMOOTHLY, MATCHING TEXTURE AND COLOR OF ADJACENT

	<b>P</b>	
23 A7.19	FTING	SHERIFF'S KANE
6 A9.16 5	SYMB	STATE
A6.05	BOLS	ILINO19
<b>26</b> — - —	SAND	COUNTY OFFICE
<b>26</b> — - —	<b>8</b>	

**PROJECT** 

**KANE COUNTY SHERIFF -ADMINISTRATION WING** RENOVATIONS 37W755 IL-38 SUITE A ST CHARLES, IL 60175

**OWNER** 

DR

DETAIL NUMBER-DRAWING NUMBER ---

DETAIL NUMBER—

DETAIL NUMBER -DRAWING NUMBER —

DETAIL NUMBER

100'-0"

204

203.2

203.1X

7.531

CONCRETE

CONCRETE

BRICK MASONRY IN

MASONRY IN PLAN

(RUNNING BOND)

MASONRY IN PLAN

STONE MASONRY I

EARTH BACKFILL

(STACK BOND)

COLUMN NO

**ELEVATION** 

NUMBER

DOOR NO. NEW

DOOR NO. EXISTING

NOMINAL THICKNESS -CONSTRUCTION TYPE SPECIAL CONDITION

KEYNOTE

IDENTIFICATION

WINDOW TYPE

IDENTIFICATION

TOILET ACCESSORY

IDENTIFICATION

**ELEVATION** 

reference line no.

DRAWING NUMBER —

KANE COUNTY SHERIFF **37W755 IL-38 SUITE A** ST CHARLES, IL 60175

ARCHITECT/ **ENGINEER** 

**KLUBER ARCHITECTS + ENGINEERS 41 W BENTON STREET AURORA, ILLINOIS 60506** TEL (630) 406-1213 (630) 406-9472 www.kluberinc.com

# **INDEX OF DRAWINGS**

### <u>GENERAL</u>

G100 COVER SHEET, GENERAL NOTES, SYMBOLS, & DRAWING INDEX G201 ACCESSIBILITY REQUIREMENTS

## **ARCHITECTURAL**

A310 DEMOLITION & NEW WORK FIRST FLOOR PLANS A410 DEMOLITION & NEW WORK FIRST FLOOR REFLECTED

A800 DOOR, FRAME & HARDWARE SCHEDULES, TOILET ACCESSORY & FINISH SCHEDULE A1100 INTERIOR PARTITION TYPES & DETAILS

## <u>MECHANICAL</u>

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FIRE PROTECTION

#### F310 FIRE PROTECTION FLOOR PLANS

<u>PLUMBING</u>

## P310 PLUMBING FLOOR PLANS

**ELECTRICAL** 

E050 ELECTRICAL SYMBOLS LIST, ABBREVIATIONS, SCHEDULES

& DETAILS E210 ELECTRICAL DEMOLITION PLANS

E310 ELECTRICAL PLANS

# **ADMINIS**

# APPLICABLE CODES

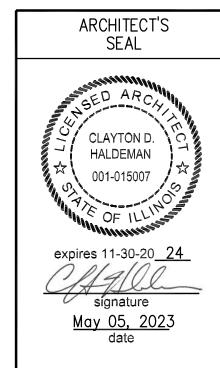
2021 INTERNATIONAL BUILDING CODE 2021 INTERNATIONAL MECHANICAL CODE 2021 INTERNATIONAL FUEL AND GAS CODE 2021 INTERNATIONAL EXISTING BUILDING CODE 2021 INTERNATIONAL FIRE CODE 2020 NATIONAL ELECTRICAL CODE

LOCAL AMENDMENTS TO THE ABOVE CODES

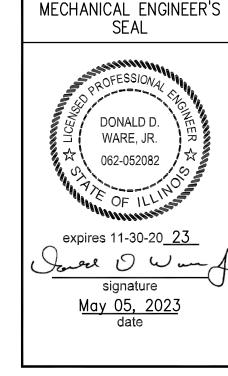
2014 ILLINOIS PLUMBING CODE 2018 ILLINOIS ENERGY CONSERVATION CODE (2018 INTERNATIONAL ENERGY CONSERVATION

# CODE W/STATE AMENDMENTS 2018 ILLINOIS ACCESSIBILITY CODE

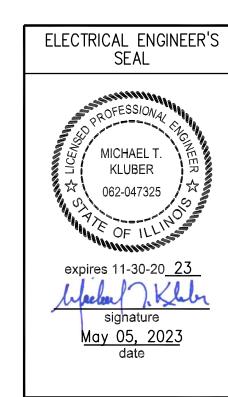
I HAVE PREPARED, OR CAUSED TO BE PREPARED UNDER MY DIRECT SUPERVISION, THE ATTACHED PLANS AND SPECIFICATIONS AND STATE THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND TO THE EXTENT OF MY CONTRACTUAL OBLIGATION, THEY ARE IN COMPLIANCE WITH IBC 2021 EDITION, THE ENVIRONMENTAL BARRIERS ACT AND THE ILLINOIS ACCESSIBILITY



"G" SERIES, "A" SERIES



"G" SERIES, "P" SERIES, "M" SERIES, "F" SERIES



"G" SERIES, "E" SERIES

JOB NO. 23-471-1466

DRAWN

CHECKED

APPROVED SHEET TITLE COVER SHEET,

GENERAL NOTES, SYMBOLS AND **DRAWING INDEX** SHEET NUMBER

REINFORCE/REINFORCING/REINFORCED GYP PL-(1) GYPSUM PLASTER (TYPE) REQUIRED BETWEEN ROOM **BITUMINOUS** HEAVY DUTY OR HARD RAKED JOINT IN SQUARE FOOT BUILDING HDNR HARDENER SQUARE INCH CTRL./EXP. JOINT BLOCKING (WOOD) HD WD-(1)HARD WOOD (TYPE) IN PLAN HARDWARE STAINLESS STEE BENCH MARK SERVICE SINK BRICK MASONRY I HOLLOW METAL SECTION DETAIL HIGH POINT SCHED SCHEDULE **HORIZONTAL** SEAL/HDNR SEALER/HARDENER CONCRETE BENT STEEL PLATE MASONRY IN SECTION CONSTRUCTION OR CONTRACTION JOINT HVAC HEATING/VENTILATING/AIR CONDITIONING SECTION DETAIL SHEET SIMILAR CEMENT PLASTER (TYPE) INSIDE DIAMETER SLAB ON GRADE STONE MASONRY I CERAMIC PAVER TILE (TYPE) INCL INCLUDE / INCLUDING / INCLUDED SECTION DETAIL SPECIFICATION(S) CAST-IN-PLACE INSUL INSULATION/INSULATING/INSULATED SPACING SPK'R SPEAKER STEEL IN SECTION KNOCK DOWN STANDARD DETAIL CLEAN-OUT STD WT STANDARD WEIGHT CONCRETE MASONRY UNIT LAMINATE /LAMINATING /LAMINATED STEEL DISCONTINUOUS LAVATORY ROUGH WOOD STRUCTURE OR STRUCTURAL COMBINATION LEFT HAND BLOCKING IN SUSPEND(ED) COMPRESSIBLE OR COMPACTED LOW POINT SYM SYMMETRICAL CONCRETE LT WT LIGHTWEIGHT **CONTINUOUS** CONCRETE OPENING ROUGH WOOD LIVE LOAD TONGUE AND GROOVE CONDITION FRAMING/BLOCKING LONG LEG HORIZONTAL IN SECTION T/BEAM TOP OF **CONTINUOUS** LONG LEG VERTICAL TOP OF BEAM CONTRACT(OR) FINISHED WOOD IN TOP OF CURB CARPET (TYPE) MASONRY OPENING SECTION DETAIL METAL THRESHOLD T/FNDN TOP OF FOUNDATION CERAMIC TILE (TYPE) **MASONRY** COUNTER TOP OF STEEL COUNTER SINK RIGID BOARD TOP OF WALL INSULATION MAXMAXIMUM CENTER(S) TACKBOARD (LENGTH IN FEET) MB (16) MARKERBOARD (LENGTH IN FEET) CABINET UNIT HEATER TOP OF MASONRY MECH **MECHANICAL** RIGID BOARD CABINET UNIT VENTILATOR INSULATION MECH CONTR MECHANICAL CONTRACTOR DIAMETER (WINDOW) UNIT DIMENSION (ROOFING) MANUFACTURER **DIMENSION** UNLESS NOTED OTHERWISE MINIMUM OR MINUTE(S) VINYL BASE COVED DOOR OPENING BATT INSULATION VINYL BASE STRAIGHT MOP SERVICE BASIN (SINK) VCT VINYL COMPOSITION TILE DRAWINGS MOUNT(ED) VENEER PLASTER (TYPE) VEN PL (1) VERTICAL GYPSUM BOARD NOT IN CONTRACT WIDE OR WIDTH NOM NOMINAL **EXPANSION JOINT** NTS NOT TO SCALE WITHOUT **ELEVATION** ACOUSTICAL NUMBER WALL CORNER GUARD CEILING PANEL ELECTRIC/ELECTRICAL OVERALL OR OUTSIDE AIR ELECTRICAL CONTRACTOR OC ON CENTER WINDOW BITUMINOUS ELEVATOR OR ELEVATION OD OUTSIDE DIAMETER WEIGHT CONCRETE EMBEDMENT OUTSIDE FACE OR OPPOSITE FACE (ASPHALT) PAVING WATER PROOF **EMERGENCY** OPNG IN SECTION WELDED WIRE FABRIC OPPOSITE OR OPPOSITE HAND AGGREGATE WALL SERVICE BASIN POUNDS PER SQUARE FOOT BALLAST, FILL OR BACKFILL IN EACH WAY POUNDS PER SQUARE INCH SECTION ELECTRIC WATER COOLER PRESSURE TREATED OR PAINT UNDISTURBED

REQUIRED CODE COMPLIANCE INFORMATION

REQUIRED PLAN COVER SHEET INFORMATION FOR REVIEW UNDER 2021 INTERNATIONAL CODES STATE OF ILLINOIS ACCESSIBILITY CODE, AND THE STATE OF ILLINOIS PLUMBING CODE

CODE REVIEW DATA

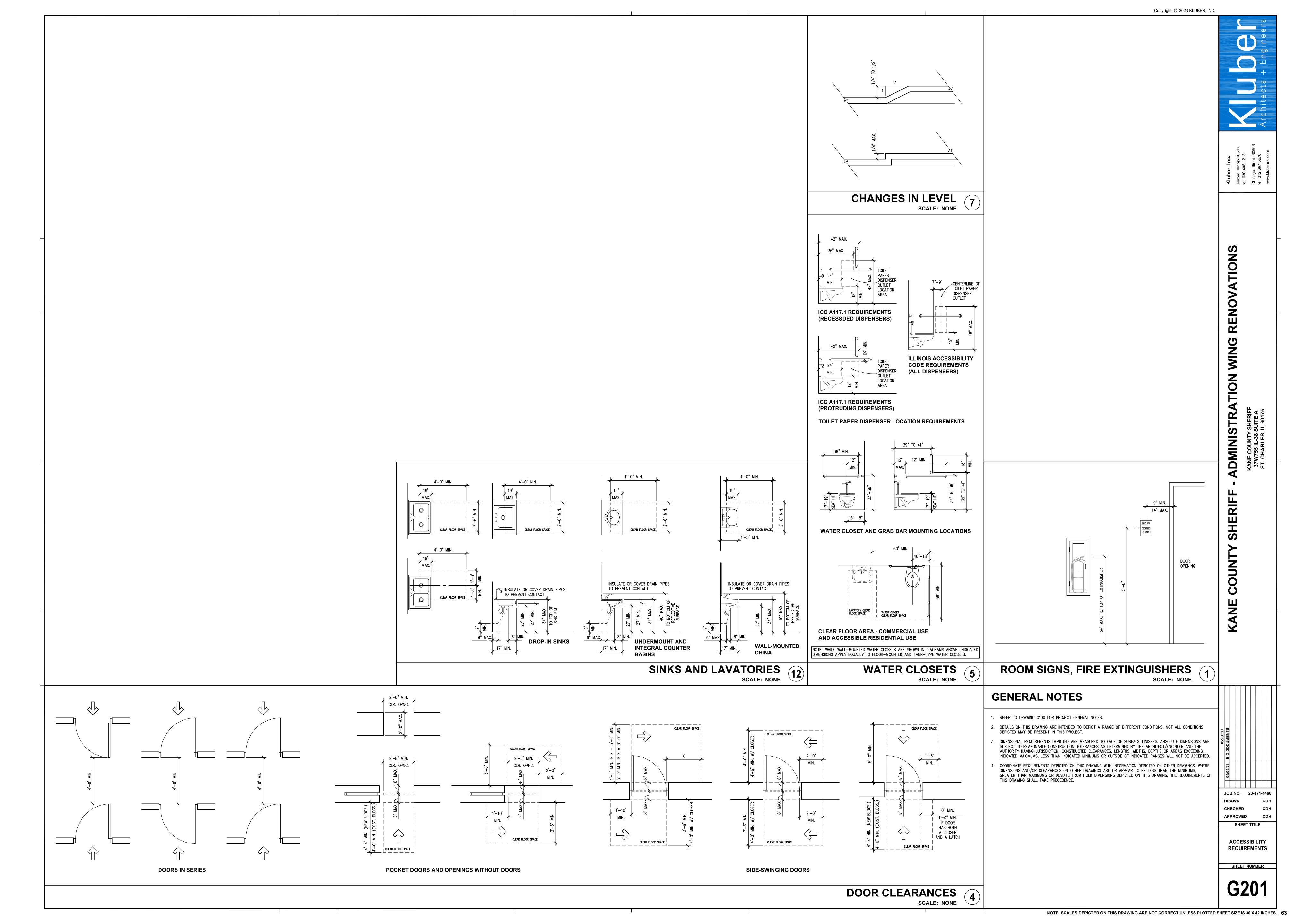
GENERAL STATEMENT OF OVERALL PROJECT SCOPE AND INTENT

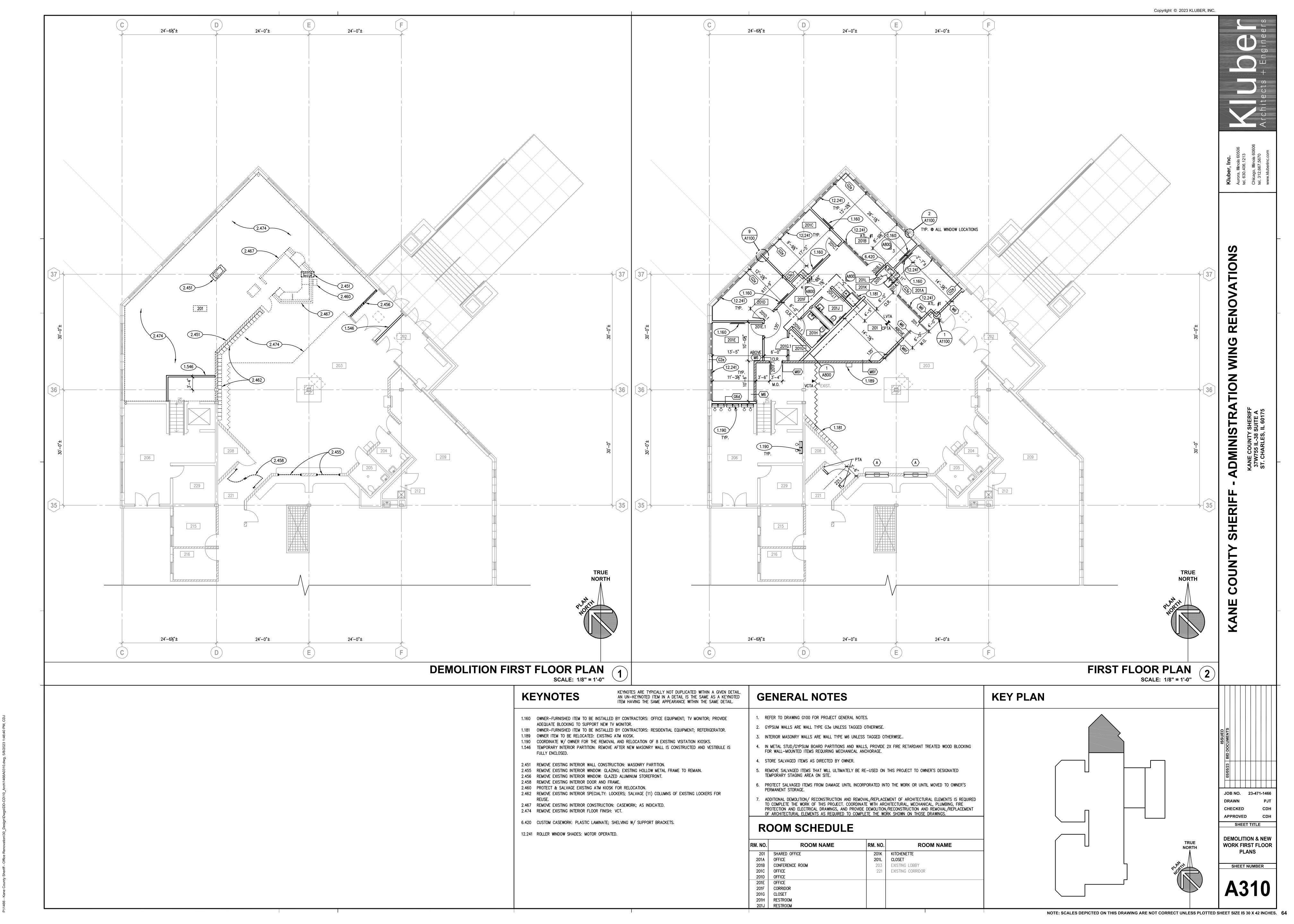
PROJECT CONSISTS OF INTERIOR ALTERATIONS AND REMODELING TO AN EXISTING MULTI-STORY SHERIFF OFFICE BUILDING. BUILDING COMPONENTS AND SYSTEMS MODIFIED OR REPLACED AS PART OF THE WORK OF THIS PROJECT HAVE BEEN BROUGHT UP TO MEET THE REQUIREMENTS OF THE APPLICABLE CURRENT CODES THE AREAS ALTERED FOR OFFICE USE ARE CLASSIFIED AS GROUP B.

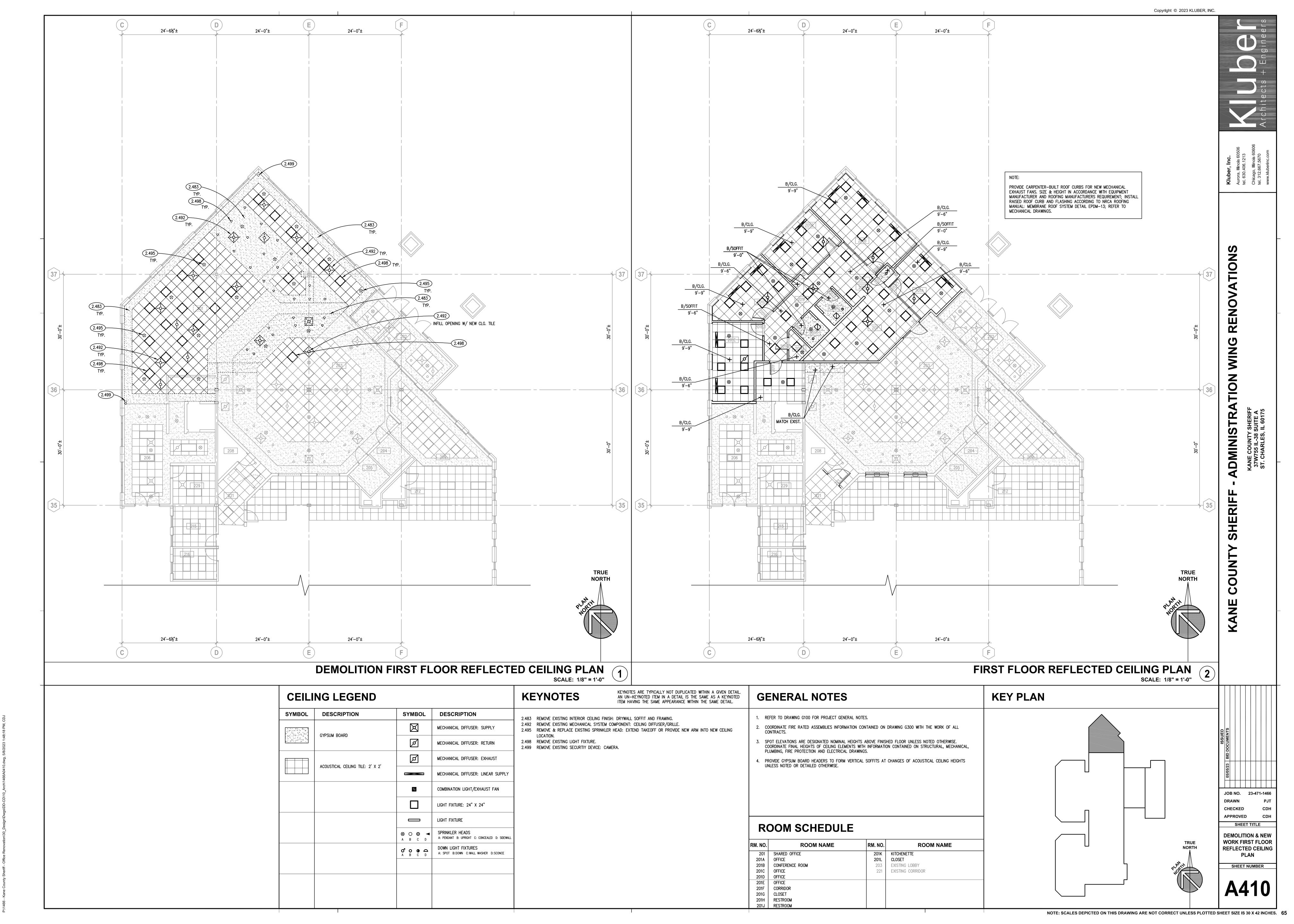
- A. USE AND OCCUPANCY GROUP(S) CLASSIFICATION: B
- B. TYPE OF CONSTRUCTION: IIB
- C. SQUARE FOOTAGE OF BUILDING: NOT APPLICABLE; RENOVATED AREAS SQUARE FOOTAGE IS 2,066 ALLOWABLE SQUARE FOOTAGE: NOT APPLICABLE; NO CHANGE OF USE.
- FULLY SPRINKLERED; ALARMED D. OCCUPANT LOAD BASED ON INTERNATIONAL BUILDING CODE: 30 BUSINESS OCCUPANCY
- E. OCCUPANT LOAD BASED ON ILLINOIS PLUMBING CODE: 7
- F. DESIGNED LIVE LOADS: NOT APPLICABLE: THIS IS AN EXISTING BUILDING, TO WHICH NO MODIFICATIONS ARE BEING MADE TO STRUCTURAL COMPONENTS.
- G. THE DESIGN PROFESSIONALS IN RESPONSIBLE CHARGE ARE IDENTIFIED IN THE SEALS AND CERTIFICATES AREA, BELOW.

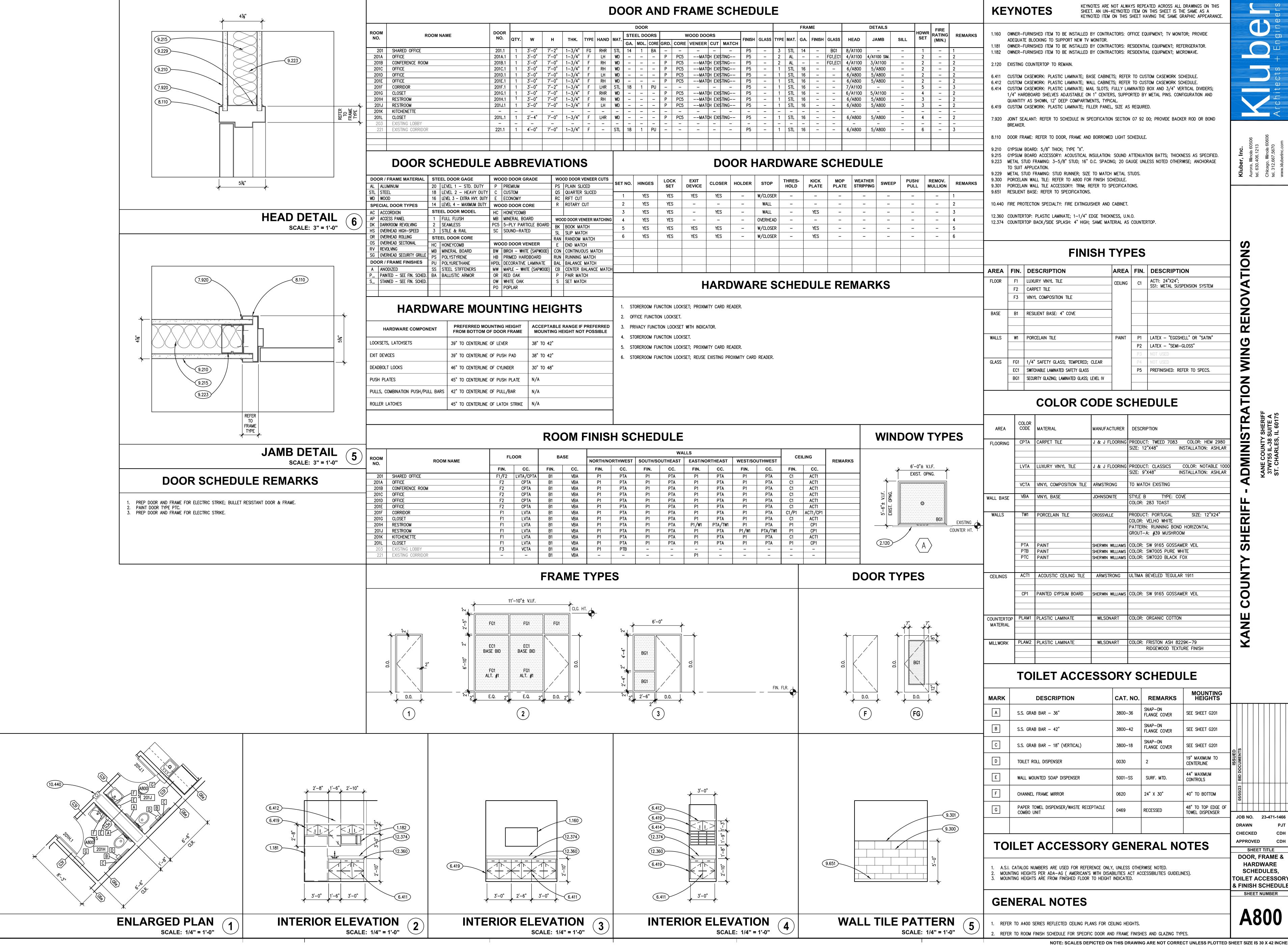
# **SEALS & CERTIFICATIONS**

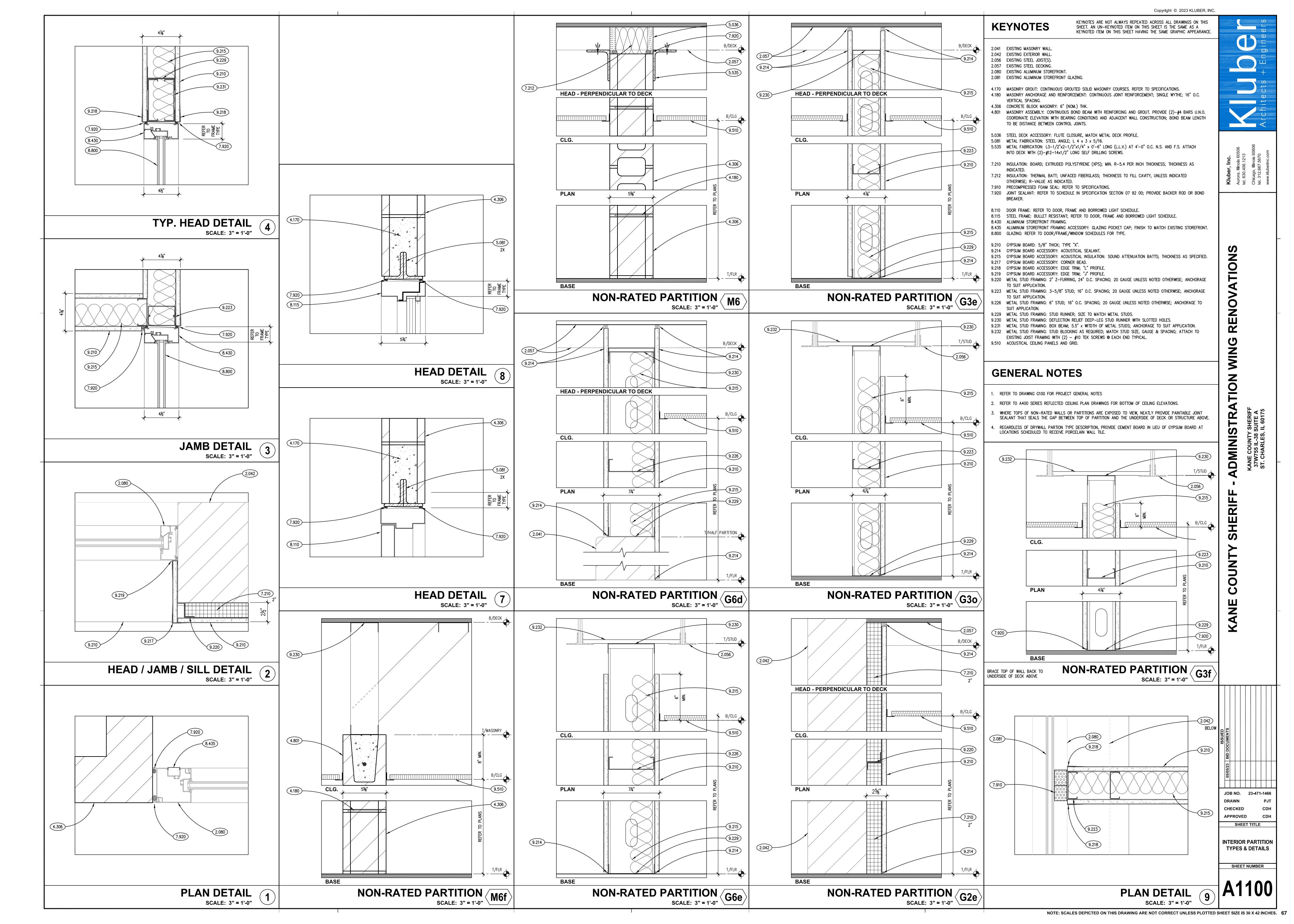
KLUBER, INC. ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #184-001284

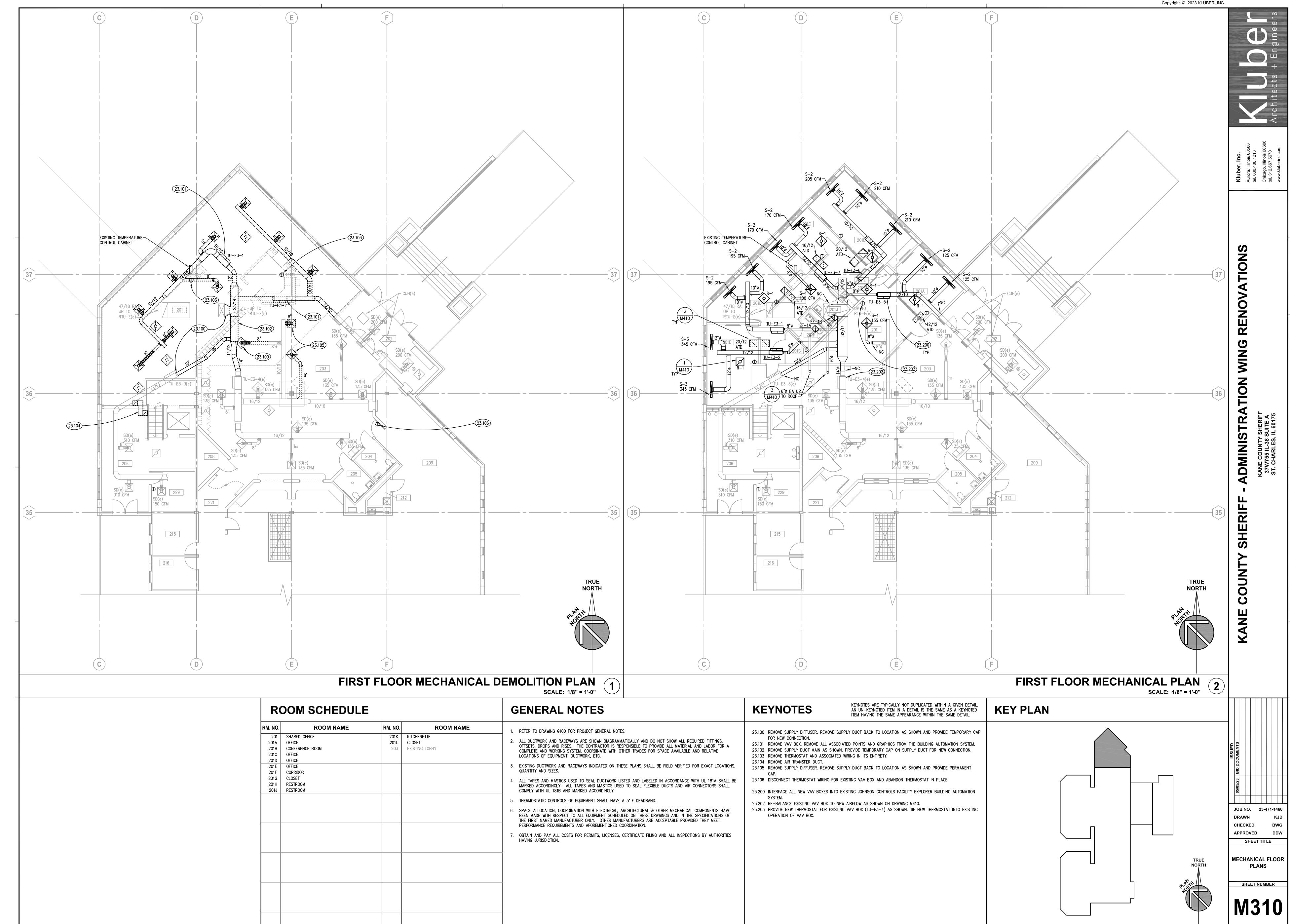












P:\1466 - Kane County Sheriff - Office Renovation\30\_Design\Dwgs\DD-CD\30

NOTE: SCALES DEPICTED ON THIS DRAWING ARE NOT CORRECT UNLESS PLOTTED SHEET SIZE IS 30 X 42 INCHES. 68

AREA

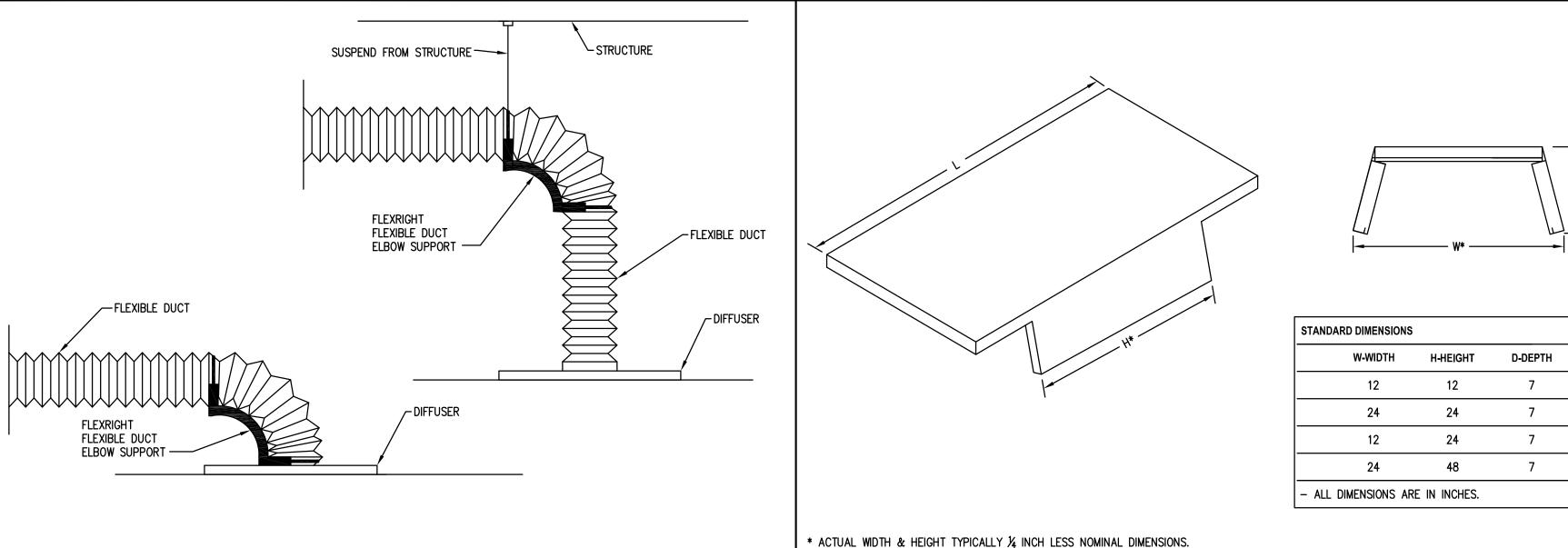
RM 201D 1, 2

RM 201A 1, 2

RM 201B 1, 2

RM 201E 1, 2

SERVED



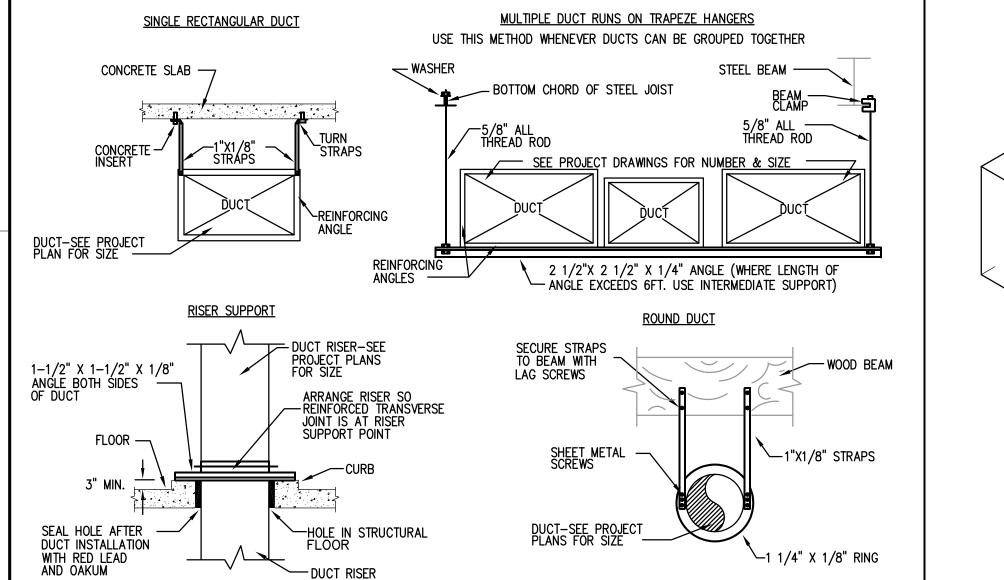
SCALE: NTS

STANDARD DIMENSIONS	6	
W-WIDTH	H-HEIGHT	D-DEPTH
12	12	7
24	24	7
12	24	7
24	48	7

SCALE: NTS

MINAL DIMENSIONS.		
<b>RETURN AIR</b>	CANOPY DETAIL	1

AIR TRANSFER DUCT DETAIL SCALE: NTS 2



FLEXIBLE DUCT SUPPORT DETAILS 5

X/Y SCREENED OPENING IN TOP OF DUCT UNLESS OTHERWISE NOTED DIMENSIONS AS NOTED IN 1/2" DUCT — X/Y SCREENED OPENING IN TOP OF DUCT UNLESS OTHERWISE NOTED

**FAN SCHEDULE** MOTOR | ELECTRICAL | FAN ENERGY | AREA | LOCATION | MODEL |

DIFFUSERS, REGISTERS AND GRILLES SCHEDULE

OBD

OBD

VARIABLE AIR VOLUME BOX SCHEDULE

AIR FLOW EAT / LAT STEPS OF CAPACITY (CFM) (°F) CONTROL (KW)

55.0 / 91.5 SCR

55.0 / 90.4 SCR

55.0 / 91.5 SCR

(V/PH/HZ) INDEX (FEI) SERVED

4.0

5.0

6.0

7.5

7.0

DESV

DESV

DESV

DESV

4.5 DESV RM 201C 1, 2

22 / 22

360

420

650

625

390

PROVIDE ONE MASTER DIFFUSER PER ROOM. ALL OTHERS TO BE THE STANDARD DIFFUSER.

DAMPER MATERIAL

PROVIDE WITH WHITE ALUMINUM GRILLE AND RUBBER ISOLATORS. PROVIDE WITH CURB MOUNTED ROOF CAP WITH BIRDSCREEN.

0.35

MODEL SIZE

MARK MAXIMUM AIR MINIMUM AIR INLET SIZE FLOW (CFM) FLOW (CFM) (IN)

230

225

215

PROVIDE WITH DOOR INTERLOCKING DISCONNECT SWITCH,

EXISTING TITUS VAV BOX FOR REFERENCE ONLY.

4. EXISTING TITUS VAV BOX TO BE REBALANCED.

RATE (CFM) S.P. (IN WG)

1. MODEL BASED ON LOREN COOK.

EOSI

EOSI

PAR

MODEL BASED ON TITUS.

650

MODEL BASED ON TITUS.

S-3

VAV-E3-1

VAV-E3-2

VAV-E3-5

24 / 24 48 / 4.5

48 / 4.5

24 / 24

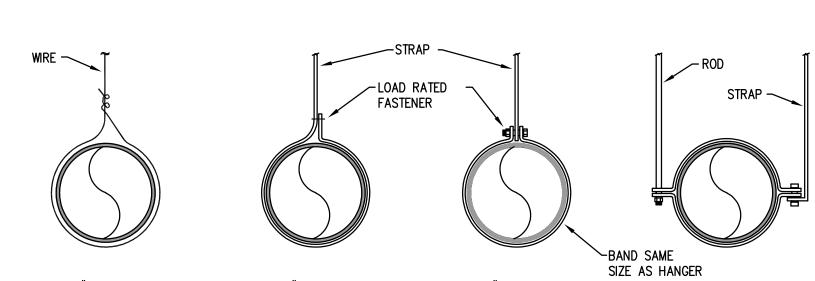
# NOTE: DUCTS SHALL BE SUPPORTED AT NOT LESS THAN 10FT O.C. MEDIUM PRESSURE DUCT SUPPORT SCALE: NTS

(2) 3/8"

(2) 1" X 18 GAGE

SCALE: NTS

MINIMUM I	MINIMUM HANGER SIZE FOR ROUND DUCTWORK			
DUCTWORK	12' MAXIMUM SPACING			
DIAMETER (INCHES)	WIRE	ROD	STRAP	
UP TO 10	(1) 12 GAGE	1/4"	1" X 22 GAGE	
11 – 18	(2) 12 GAGE	1/4"	1" X 22 GAGE	
19 - 24	(2) 10 GAGE	1/4"	1" X 22 GAGE	
25 - 36	(2) 8 GAGE	3/8"	1" X 20 GAGE	
37 - 50	_	(2) 3/8"	(2) 1" X 20 GAGE	



51 - 60

WIRE ~	STRAP  LOAD RATE FASTENER		ROD STRAP
	FASTENER		
			BAND SAME
10" DIA. MAX	24" DIA. MAX	50" DIA. MAX	SIZE AS HANGER STRAP

\_\_\_\_\_ ø" + 1-3/4"\_\_\_\_

1. TAKE-OFF SEAMS PRE-SEALED WITH EPDM GASKET AND

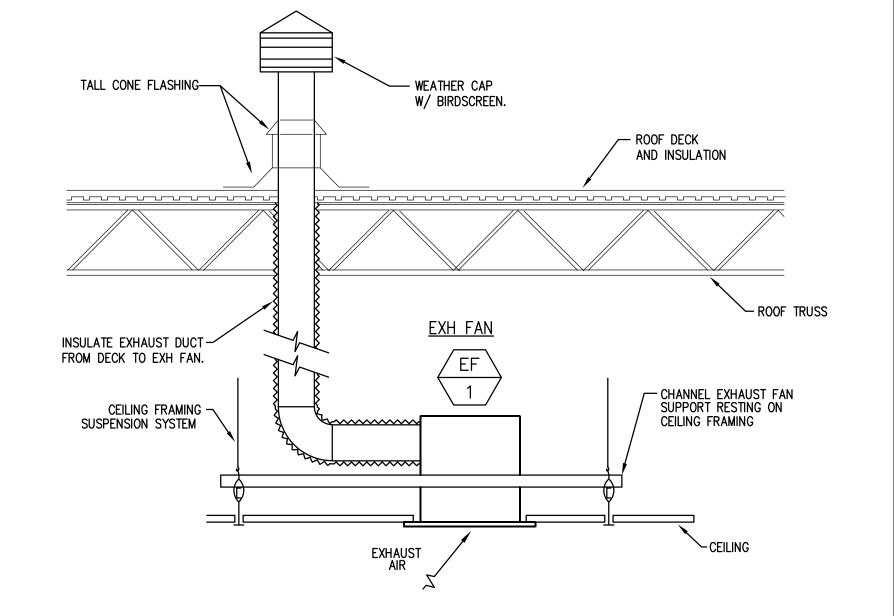
FOR INSULATION AND LOCKING NUT.

SMACNA CLASS 3 LEAKAGE STANDARDS.

PROVIDE LOCKING LOW LEAKAGE DAMPER, 2" STAND-OFF

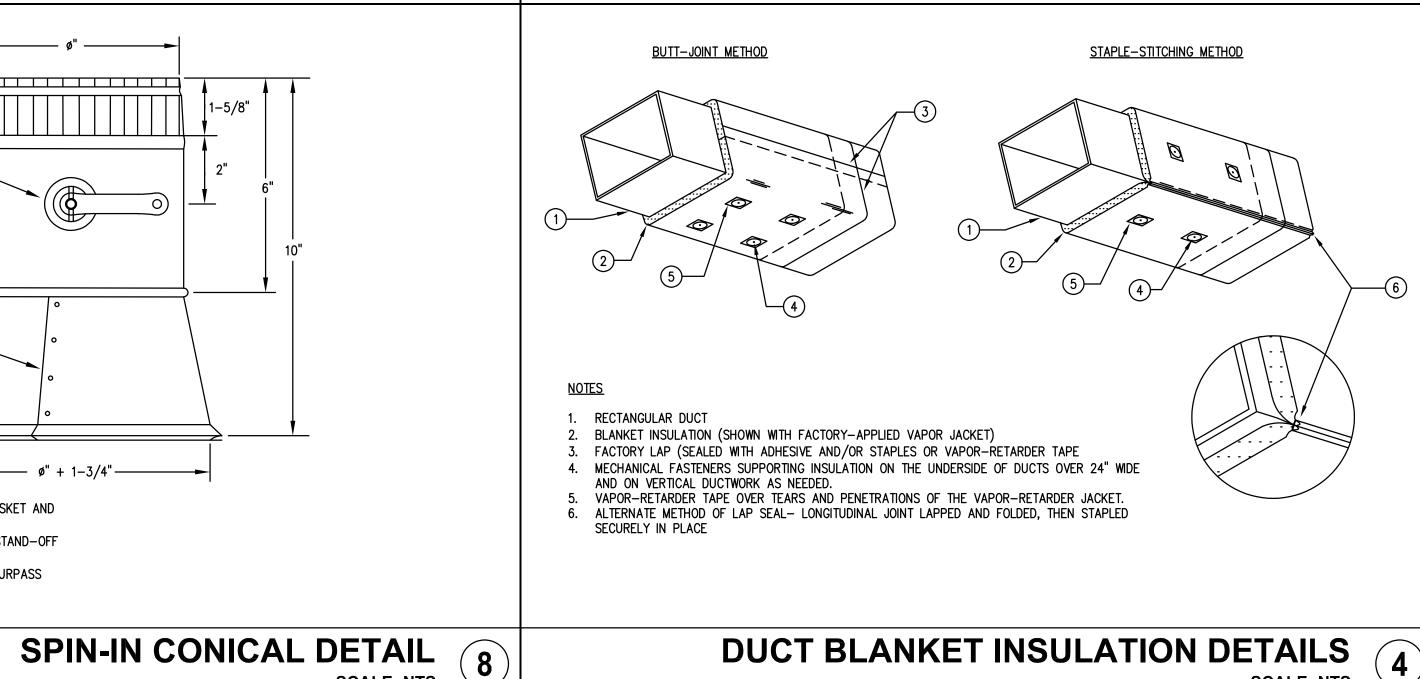
TAKE-OFF SHALL DESIGNED AND TESTED TO SURPASS

# ROUND DUCTWORK HANGER DETAILS (7) SCALE: NTS



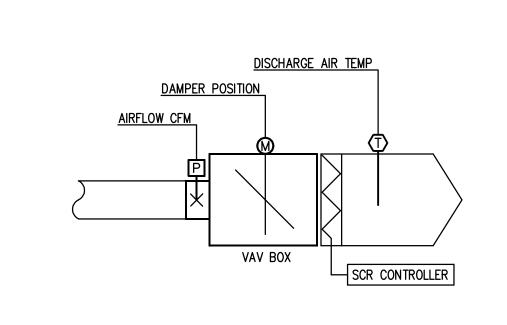
NG MOUNTED EXHAUST FAN DETAIL	EILING MOUNTED EXHAUST FAN DETAIL
SCALE: NTS	SCALE: NTS

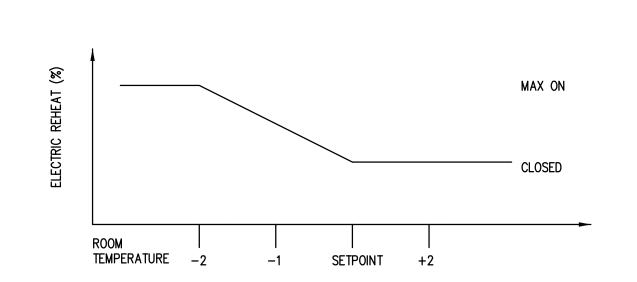
**SCALE: NTS** 

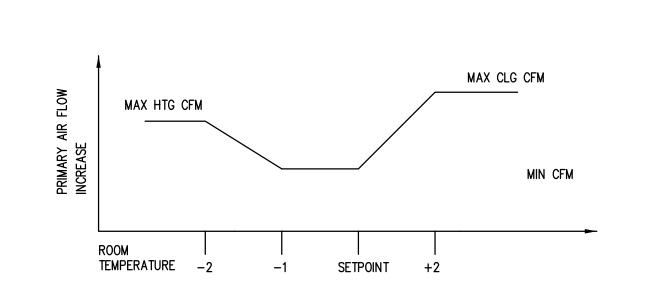


## VARIABLE AIR VOLUME BOX CONTROL SCHEMATIC

ZONE TEMP







MODULATE DAMPER FULLY OPEN WHEN ROOM AIR TEMPERATURE IS 2 DEGREES ABOVE SETPOINT. MODULATE AIRFLOW AND ELECTRIC REHEAT AS REQUIRED TO MAINTAIN 90 DEGRESS F DISHARGE AIR TEMPERATURE.

# **SEQUENCE OF OPERATIONS**

PRESSURE INDEPENDENT AIR TERMINAL SHALL MAINTAIN ZONE TEMPERATURE H'EAT/COOL SETPOINTS OF 72/75 DEGREES F (ADJ) AND UNOCCUPIED COOL/HEAT SETPOINTS OF 80/65 DEGREES F. ALL SETPOINTS SHALL BE

COOLING — THE TERMINAL UNIT DAMPER SHALL MODULATE TO MAINTAIN THE ZONE COOLING TEMPERATURE SETPOINT BY MODULATING SUPPLY AIR FLOW. WHEN THE ZONE TEMPERATURE IS ABOVE SETPOINT THE DAMPER SHALL MODULATE TO THE MAXIMUM COOLING CFM POSITION. WHEN THE ZONE TEMPERATURE IS BELOW SETPOINT THE DAMPER SHALL MODULATE TO THE MINIMUM CFM POSITION.

HEATING - WHEN THE TERMINAL UNIT DAMPER HAS REACHED THE MINIMUM CFM POSITION AND THE ZONE TEMPERATURE IS BELOW SETPOINT THE ELECTRIC REHEAT SHALL BE ENERIGIZED AND MODULATED AS REQUIRED TO PROVIDE A DISCHARGE AIR TEMPERATURE OF 90 DEGREES F. IF THE ZONE CONTINUES TO REMAIN BELOW SETPOINT THE TERMINAL UNIT DAMPER SHALL MODULATE OPEN TO THE HEATING MAXIMUM AIRFLOW CFM. THE ELECRIC REHEAT SHALL MODULATE IN UNISON WITH THE DAMPER TO MAINTAIN A 90° F DISCHARGE AIR TEMPERATURE. AS THE ZONE TEMPERATURE INCREASES THE DAMPER AND ELECTRIC REHEAT SHALL REACT IN A REVERSE MANNER.

THE TERMINAL UNIT DAMPER AND REHEAT SHALL OPERATE AS DESCRIBED ABOVE WHEN THE ASSOCIATED AIR HANDLING UNIT IS ENERGIZED. THE UNIT SHALL OPERATE TO MAINTAIN THE UNOCCUPIED HEATING/COOLING SETPOINTS.

## **POINTS LIST**

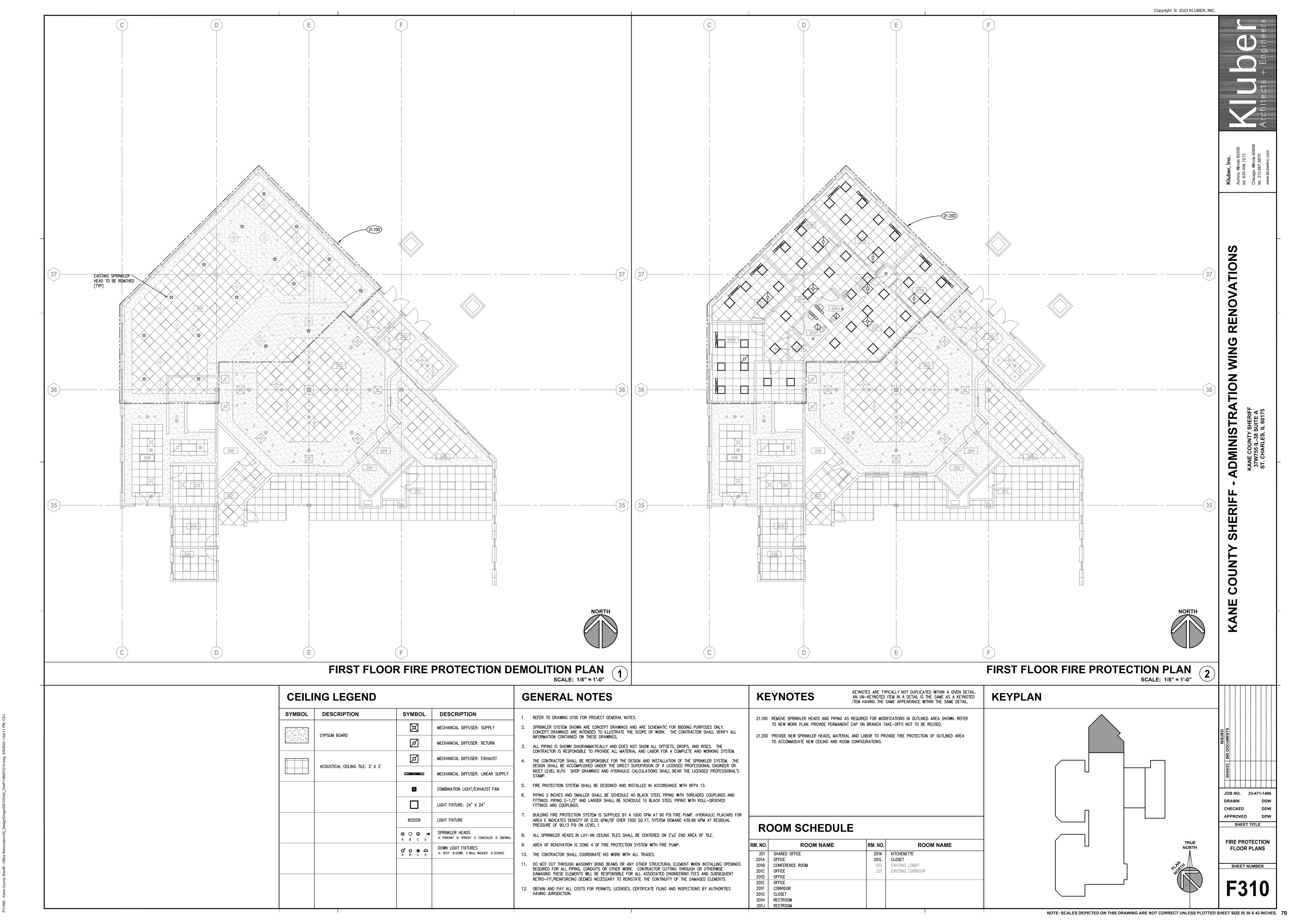
	HARD	WARE		50	<u> </u>	<u> </u>	
Al	AO	BI	B0	SCHED	TREND	ALARM	GRAPHIC
Х					Х		Х
Х					Х		Х
	Х						Х
	Х						Х
	Х						Х
Х					Х		Х
	Х						Х
	Х						Х
	Х						Х
		Х				Х	Х
		Х				Х	Х
	Х				Χ		Х
	X	Al AO X X X X X X X X X X X X X X X X X X X	AI AO BI  X  X  X  X  X  X  X  X  X  X  X  X  X	AI AO BI BO  X  X  X  X  X  X  X  X  X  X  X  X  X	AI AO BI BO SCHED  X  X  X  X  X  X  X  X  X  X  X  X  X	AI         AO         BI         BO         SCHED         TREND           X         X         X         X           X         X         X         X           X         X         X         X           X         X         X         X           X         X         X         X           X         X         X         X           X         X         X         X           X         X         X         X           X         X         X         X           X         X         X         X	AI         AO         BI         BO         SCHED         TREND         ALARM           X

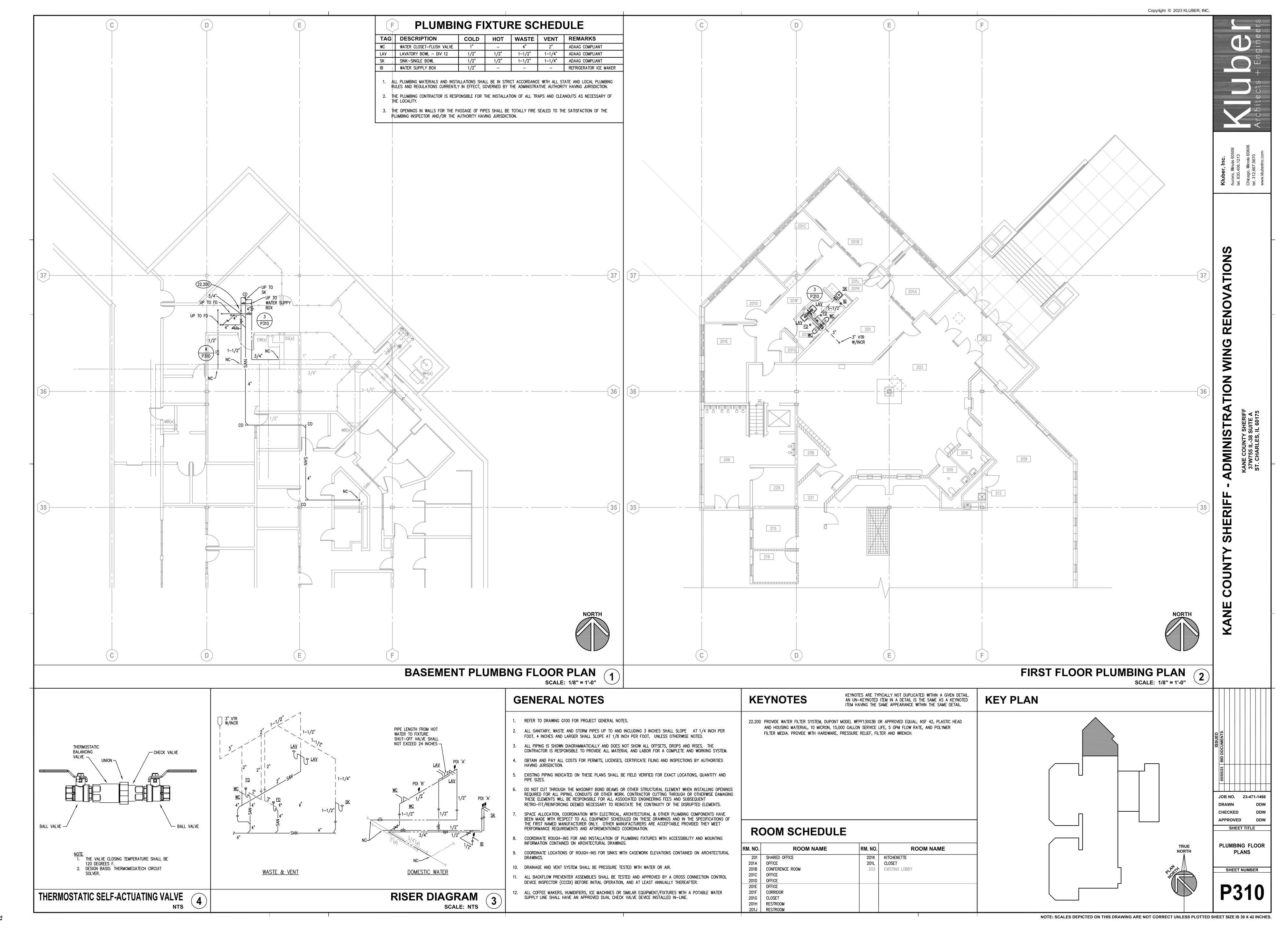
NOTE: SCALES DEPICTED ON THIS DRAWING ARE NOT CORRECT UNLESS PLOTTED SHEET SIZE IS 30 X 42 INCHES. 69

ADMINISTRA

CHECKED **APPROVED** SHEET TITLE

MECHANICAL SCHEDULES, DETAIL & TEMPERATURE CONTROLS SHEET NUMBER





P:\1466 - Kane County Sheriff - Office Renovation\30\_Design\Dwgs\DD-CD\50\_Plumb\1466P0310.dwg, 5/25/2023 1:47:19

TYPICAL WALL PENETRATION

NOTES:

1. NEATLY CORE ALL MASONRY AND BLOCK WALLS. 2. RIGIDLY SUPPORT ALL RACEWAYS.

3. PROVIDE FIRE BARRIER CAULK AT FLOOR, CORRIDOR AND FIRE SEPARATION WALLS.

TYP. WALL PENETRATION DETAIL SCALE: N.TS.

LIGHTING ⊅os 277V PANEL 120V PANEL

**TOILET LIGHTING/EF WIRING DIAGRAM** 

SCALE: NTS



WING

**ADMINISTR** 

JOB NO. 23-471-1466

SHEET TITLE **ELECTRICAL** SYMBOLS LIST, ABBREVIATIONS, **SCHEDULES & DETAILS** SHEET NUMBER

CHECKED APPROVED

ONL				PHASE				CKT.
NC	BRKR	DESCRIPTION	С	В	Α	DESCRIPTION	BRKR	NO.
2	1P20	REC E201,E201A			1080	SYSTEM FURN C232	1P30	1
4	1P20	REC E201A		1080		SYSTEM FURN C232	1P20	3
6	1P20	REC E201B	1260			SYSTEM FURN C232	1P20	5
8	1P20	COPIER E201			1250	ENTRANCE GFI	1P20	7
10	1P20	REFRIGERATOR E201K		1000		C234 FRIDGE	1P20	9
12	1P20	REC E201K, REC & EF E291J, E201H	604		'	SPARE C233	1P20	11
14	1P20	REC E201C, E201D			900	SPARE C233	1P20	13
16	1P20	REC E201D, E201E		1080 1080		REC - E201C, E201D	1P20	15
18	1P20	HUMIDIFIER C267	1260		'	REC - E201B, E201C	1P20	17
20	1P20	HUMIDIFIER C223		•		C214 RECEPTACLES	1P20	19
22	1P20	SPARE D248				C214, C213 RECEPTACLES	1P20	21
24	1P20	SPARE D248			'	C213, C212 RECEPTACLES	1P20	23
20	1P20	E226, E228 RECEPTACLES		•		SYSTEM FURN C232	1P20	25
28	1P20	E227, E228 RECEPTACLES				SYSTEM FURN C232	1P20	27
30	1P20	MOTORIZED SHADES	1920		'	SYSTEM FURN C232	1P20	29
32	1P20	C216 RECEPTACLES		•		SYSTEM FURN C232	1P20	31
34	1P20	C252 RECEPTACLES				SYSTEM FURN C232	1P20	33
36	1P20	C216 RECEPTACLES	200			ELECTRONICALLY CONTROLLED GLASS E201	1P20	35
38	1P20	C243, C 245 RECEPTACLES				C233	1P20	37
40	1P20	C237 RECEPTACLES				C233	1P20	39
42	1P20	C236, C237 RECEPTACLES				C233	1P20	41

		•	•	THE BINGOS FRIELDS,						
					INTERIOR LUMINAIRE SCHEDULE					
TYPE	NO.	LAMPS CAT. NO.	DESCRIPTION	MFGR.	CATALOG NUMBER	VOLTAGE	SHIELDING	FINISH	MOUNTING	NOTE
				COLUMBIA	LCAT22-40MLG-EDU					
Α		LED-4000K	2' X 2' STATIC TROFFER	LITHONIA	BLT SERIES	UNV	FROSTED ACRYLIC	WHITE	RECESSED	
Α		LLD-4000K		METALUX	CRUZE SERIES			*******		
					OR APPROVED EQUAL					
				LITECONTROL	2L-W-ID-LPAD-3-03-SOF-C3-40K-I065-D040-D01-1C-UNV					
В		LINEAR LED WALL MOUNT	MARK ARCHITECTURAL	SLOT SERIES	UNV	_	SILVER	SURFACE (WALL)		
Ь	1 LED-4000K	DIRECT/INDIRECT	NEO RAY	DEFINE SERIES			OIL V LI (			
					OR APPROVED EQUAL					
				ELITE	HH6-LED-2000L-DIM10-277-WD-40K-85+-HH6-6501-W-WH				RECESSED	
С		LED-4000K	LED 6" CAN LIGHT	GOTHAM	EVO SERIES	UNV	N/A	WHITE		
O		LLD-4000K	LED O CAN LIGHT	HALO	HC6 SERIES		IN/A	VVIIII	REGESSED	'
					OR APPROVED EQUAL	]				
							<u>.</u>			
			CELE CONTAINED LED EVIT	DUAL LITE	EVE SERIES					
EXIT		LED	SELF-CONTAINED LED EXIT SIGN, NICAD BATTERY	LITHONIA SURE LITES	LQM SERIES APX SERIES	-	-	-	-	

			ELEC	CTRICAL SYMBOLS LIST
		SYMBOL	_	
DESCRIPTION	CEILING	WALL	FLOOR	DESCRIPTION
				2X4 RECESSED TROFFER FIXTURE TYPE. SEE LIGHTING FIXTURE SCHEDULE. SHADING=NIGHT LIGHT
PUSH BUTTON	0			DOWN LIGHT FIXTURE TYPE. SEE LIGHTING FIXTURE SCHEDULE.
PLUMBING CONTRACTOR POWER DISTRIBUTION UNIT		\$ <sup>a</sup>		SINGLE POLE TOGGLE SWITCH. 15A OR 20A AS REQUIRED. 120/277V a=SWITCHING CONTROL, P=PILOT LIGHT, K=KEYED SW., LV=LOW VOLTAGE
PHASE PANEL				a=SWITCHING CONTROL, P=PILOT LIGHT, K=KEYED SW., LV=LOW VOLTAGE  3-WAY TOGGLE SWITCH. 15A OR 20A AS REQUIRED. 120/277V
FURNISHED, INSTALLED, WIRED AND CONNECTED COMPLETE BY CONTRACTOR		\$3		3D=3 WAY DIMMER
POLYVINYL CONDUIT PRE-WIRED	<b>Ø</b>	€/₩		DUPLEX RECEPTACLE. 20A 125V 2P 3W GRD. NEMA5-20R. @18"AFF D=DEDICATED CIRCUIT. 'I' =MTD. @48"AFF, OR @6" ABOVE COUNTER.
		₩		DOUBLE DUPLEX RECEPTACLE. @18"AFF  20A 125V 2P 3W GRD. NEMA5-20R. PO=POP UP RECEPTACLE
QUANTITY		_		COMMUNICATIONS OUTLET @18"AFF. REFER TO COMMUNICATION OUTLET DETAIL. B = BLANK JACK, AV= AUDIO/VISUAL JACK, MIC=
	$\square$	$\nabla$		MICROPHONE JACK. $\forall$ = 6" ABOVE COUNTER, AUX = AUX. CONNECT.
REQUIRED				PO=POP UP LOW VOLTAGE SECTION. PD=PEDESTAL MOUNTED  JUNCTION BOX
ROOF TOP UNIT		0	2TQ	TS = TOMBSTONE TYPE
			/	WIRING IN CONDUIT CONCEALED ABOVE CEILING, IN WALL AND UNDER FLOOR OR UNDERGROUND.
SEPARATE CIRCUIT				WIRING IN CONDUIT EXPOSED ON CEILING OR WALL.
SMOKE DETECTOR	*	*	<b>*</b>    -	BRANCH CIRCUIT WIRING IN CONDUIT HOMERUN TO PANEL. ONE ARROW PER HOMERUN. SLASHES INDICATE NUMBER OF CONDUCTORS.
SQUARE FEET SINGLE—POLE, DOUBLE—THROW				INDICATES GROUND CONDUCTOR.
SINGLE—POLE, SINGLE—THROW STAINLESS STEEL	•	•	`	INDICATES ISOLATED GROUND CONDUCTOR.
SWITCH SWITCHBOARD			/-I-\	
OWITCHDOAND				FIRE ALARM HORN/STROBE COMBINATION. @80"AFF NUMBER INDICATES CANDELA LEVEL (110cd UNLESS NOTED OTHERWISE)
THERMOSTAT	HP	HP	HP	MOTOR. HP= HORSE-POWER RATING.
TELEPHONE TIME CLOCK		<b>4</b>	<	PANEL 240V & BELOW.
TEMPERATURE CONTROL PANEL				PANEL ABOVE 240V.
TOGGLE SWITCH TELEPHONE TERMINAL BOARD				MOUNTING HEIGHT
TELEPHONE TERMINAL CABINET THRU WALL AIR CONDITIONING UNIT	FIRE ALA	RM PULL	STATION	48"
TYPICAL	STROBES			80"
	FIRE ALA FACP &	RM BELLS FAAP	(EXTERIOR)	) 12'-0" 48"
UNDERGROUND UNIT HEATER	EXIT SIGN	NS(BOTTOM ET	1)	80" 18"
UNDERWRITERS LABORATORIES, INC.	INTERCOM PHOTOCE			48" 12'-0"
UNLESS NOTED OTHERWISE UNIT MANUFACTURER	RECEPTA	CLE(CENTE	RLINE)	18"
UNINTERRUPTIBLE POWER SUPPLY		CLE(EXTER CLE(WARE	<u> </u>	24" 30"
MOLT	TELEPHO	NE OUTLET	r(PUBLIC)	54"
VOLT—AMPERES	SWITCH	NE OUTLET		18" 48"
VOLT ALTERNATING CURRENT VARIABLE AIR VOLUME	SAFETY : PANELS(	SWITCHES TOP)		48" 72"
VARIABLE FREQUENCY DRIVE	CLOCK(C	ENTERLINE)	)	96" 96"
	VIDEO OL	JILE I		MISCELLANEOUS
WATT WITH		RTIN		
WITHOUT WIRE GUARD		RTU 1		HVAC EQUIPMENT IDENTIFICATION
WEATHER PROOF		16.01		KEYNOTE IDENTIFICATION
EVICTING FOURDIT	•		IL NUMBER VING NUMBER	DETAIL IDENTIFICATION
EXISTING EQUIPMENT TRANSFORMER		•		

<b>PAN</b>	IEL :	SH2 (EXISTING)		225 AMPERE MA	AIN LUG (	DNLY	PAN	IEL :	SH2 (REMODELED)			225 AMPERE	E MAIN LUG	ON!
CKT. NO.	BRKR	DESCRIPTION	PHASE A B	C DESCRIPTION	BRKR	CKT. NO.	CKT. NO.	BRKR	DESCRIPTION	A	PHASE B	C DESCRIPTION	ON BRK	(R CK
1	1P20	LIGHTS - E2		LIGHTS - E2	1P20	2	1	1P20	LIGHTS - E2			LIGHTS - E	2 1P2	20 2
3	1P20	LIGHTS - E2		LIGHTS - E2	1P20	4	3	1P20	LIGHTS - E2			LIGHTS - E	2 1P2	20 4
5	1P20	LIGHTS - E2		LIGHTS - E2	1P20	6	5	1P20	LIGHTS - E2			LIGHTS - E	i2 1P2	20 6
7	1P20	LIGHTS - E2		LIGHTS - E2	1P20	8	7	1P20	LIGHTS - E2			LIGHTS - E	i2 1P2	20 8
9	1P20	LIGHTS - C2		LIGHTS - C2	1P20	10	9	1P20	LIGHTS - C2			LIGHTS - C	2 1P2	20 1
11	1P20	LIGHTS - C2		LIGHTS - C2	1P20	12	11	1P20	LIGHTS - C2			LIGHTS - C	2 1P2	20 1
13	1P20	LIGHTS - C2		LIGHTS - C2	1P20	14	13	1P20	LIGHTS - C2			LIGHTS - C	2 1P2	20 1
15	1P20	LIGHTS - C2		LIGHTS - C2	1P20	16	15	1P20	LIGHTS - C2			LIGHTS - C	2 1P2	20 1
17	1P20	LIGHTS - C2		LIGHTS - C2	1P20	18	17	1P20	LIGHTS - C2			LIGHTS - C	2 1P2	20 1
19	1P20	LIGHT OUTSIDE ENTRANCE		LIGHTS - D2	1P20	20	19	1P20	LIGHT OUTSIDE ENTRANCE			LIGHTS - D	)2 1P2	20 2
21	1P20	SPARE		LIGHTS - D2	1P20	22	21	1P20	CORRIDOR LIGHTS			LIGHTS - D	)2 1P2	20 2
23	1P20	TU-E5-1		LIGHTS - D2	1P20	24	23	1P20	TU-E5-1			LIGHTS - D	)2 1P2	20 2
25	3P50	TU-E3-1,2		LIGHTS - D2	1P20	26	25	3P30	<u>TU-E3-1,2,7</u>	4500		LIGHTS - D	)2 1P2	20 2
27	1			LIGHTS - D2	1P20	28	27	1			4500	LIGHTS - D	)2 1P2	20 2
29	1			LIGHTS - D2	1P20	30	29	1			450	00 LIGHTS - D	)2 1P2	20 3
31	3P50	TU-E3-3,4		-	-	32	31	3P50	TU-E3-3,4	4830		TU-E3-5,6	<u>3</u> P3	30 3
33	1			-	-	34	33	1			4830		1	3
35	1			CORRIDOR LIGHTS*	1P20	36	35	1				4830	1	3
37	3P50	TU-C3-2,3,4,5,6		TU-C4-1,4,5,6	3P50	38	37	3P50	TU-C3-2,3,4,5,6			TU-C4-1,4,5	5,6 3P5	50 3
39	1				1	40	39	1					1	4
41	1				1	42	41	1					1	4
TAL P	PHASE A: PHASE B: PHASE C:	NOTES:  0 *REDIRECT CIRC 0 EXISTING SPARI 0 CREATE SPACE	E BREAKER TO		VOLTAGE (LN): VOLTAGE (LL): PHASE: WIRE:	480 3	TOTAL P	PHASE A: PHASE B: PHASE C:	9330 9330 9330			MOUNTING: SURFACE RATING: ENCLOSURE: NEMA 1 FED FROM: SDH	VOLTAGE (L	L): 480

**ABBREVIATIONS** 

**DESCRIPTION** 

INTERMEDIATE DISTRIBUTION FRAME

ISOLATED GROUND

INCANDESCENT

JUNCTION BOX

KILOVOLT

KILOWATT

1000 CIRCULAR MILS

KILOVOLT-AMPS REACTIVE

LOW-VOLTAGE THERMOSTAT

MAGNETIC MOTOR STARTER

W/THERMAL OVERLOAD PROTECTION

MANUAL MOTOR STARTER

MECHANICAL CONTRACTOR

MAIN CIRCUIT BREAKER

MOTORIZED DAMPER

MANUFACTURER

MAIN LUG ONLY

MANUAL SWITCH

MOUNTED

MAIN SWITCH BOARD

MAKE-UP AIR UNIT

NOT APPLICABLE

NON-FUSED

NIGHT LIGHT

NOT TO SCALE

NEAR UNIT

OVERHEAD

ON UNIT

ETC., ARE NECESSARILY USED IN THIS PROJECT.

NORMALLY CLOSED

NOT IN CONTRACT

NORMALLY OPEN

THIS IS A MASTER LEGEND AND NOT ALL SYMBOLS, ABBREVIATIONS,

METAL HALIDE

MOTOR CONTROL CENTER

MAIN DISTRIBUTION FRAME

MAIN DISTRIBUTION PANEL

MASS NOTIFICATION SYSTEM

MINIMUM OVERCURRENT PROTECTION

OVERCURRENT PROTECTION DEVICE

MAXIMUM CURRENT AMPACITY

KILOVOLT-AMPS

KILOWATT-HOUR

LOW PRESSURE

LOW-VOLTAGE

INTEGRAL

IN ROOM

IN UNIT

SYMBOL

PDU

PH

PNL

PVC

QTY.

REQ'D

RTU

SPDT

SPST

TELE

UG

U.N.O.

UM UPS

VAC

VAV

PROVIDE

EXPLOSION-PROOF

SYMBOL

Kcmil

ΚV

KVA

KVAR

ΚW

LVT

MAG

MAN

MCA

MCB

MCC

MDF MDP

MFR

MLO

MNS

MOCP

MSBD

MTD

N.T.S., NTS

KWH

DESCRIPTION

AMPERE FRAME/AMPERE FUSE

AMPERE INTERRUPTING CURRENT

AUTOMATIC TRANSFER SWITCH

ABOVE FINISHED FLOOR

AMERICAN WIRE GAGE

BUILT-IN OVERLOAD

BAKED WHITE ENAMEL

CIRCUIT BREAKER

BRITISH THERMAL UNIT

CABLE TELEVISION SYSTEM

CLOSED CIRCUIT TELEVISION

DOUBLE-POLE, DOUBLE-THROW

DOUBLE-POLE, SINGLE-THROW

ELECTRIC BASEBOARD HEATER

ELECTRICAL CONTRACTOR

ELECTRIC CABINET HEATER

ELECTRICAL METALLIC TUBING

FIRE ALARM ANNUNCIATOR PANEL

FIRE ALARM CONTROL PANEL

FIRE PROTECTION CONTRACTOR

FULL-VOLTAGE, NON-REVERSING

GROUND FAULT CIRCUIT INTERRUPTER

HEATING AND VENTILATING CONTRACTOR

HEAVY WALL GALVANIZED CONDUIT

ELECTRIC WATER COOLER

ELECTRIC WATER HEATER

AIR HANDLING UNIT

SYMBOL

AHU

AIC

ATS

AWG

BKR

BOL

BWE

BTU

CATV

C/B

CCTV

CKT

CU

DPDT

DPST

DS

EBH

ECH

EF

EM

EMT

EWC

EWH

FAAP

FACP

FPB

FBO

FLA

FLR

FPC

FVNR

GC

GRD

GRS

HOA

HPS

HVAC

HWGC

EC, E.C.

AMPS

ABOVE COUNTER

AMPERE TRIP

BREAKER

CONDUIT

CIRCUIT

COPPER

DOWNSPOUT

EXHAUST FAN

FUSE CLIP SIZE

FAN POWERED BOX

FULL LOAD AMPS

FLOAT SWITCH

FLOOR

GROUND

HORSEPOWER

FURNISHED BY OTHERS

GENERAL CONTRACTOR

GALVANIZED RIGID STEEL

HAND-OFF-AUTOMATIC

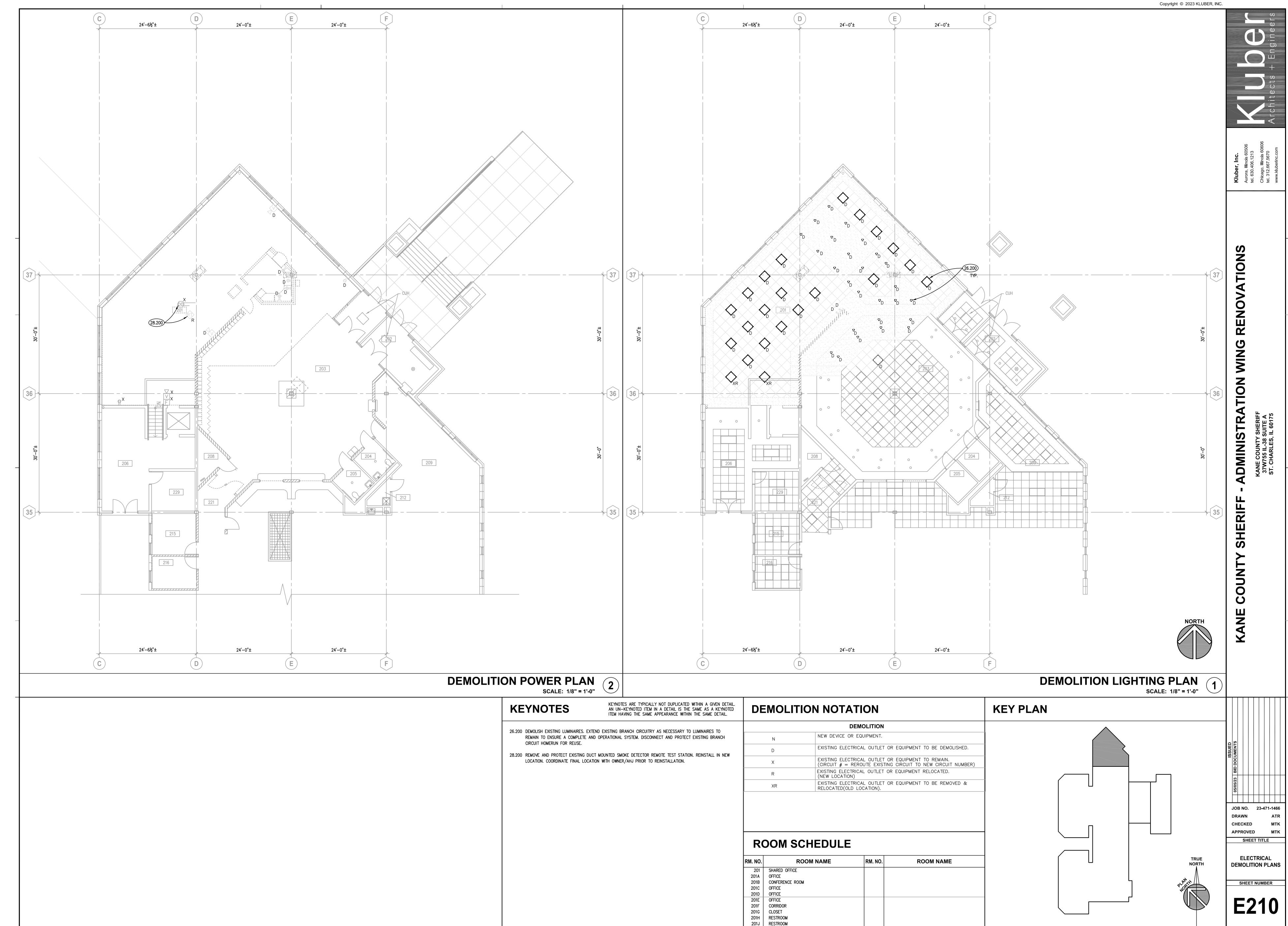
HIGH PRESSURE SODIUM

**EMERGENCY** 

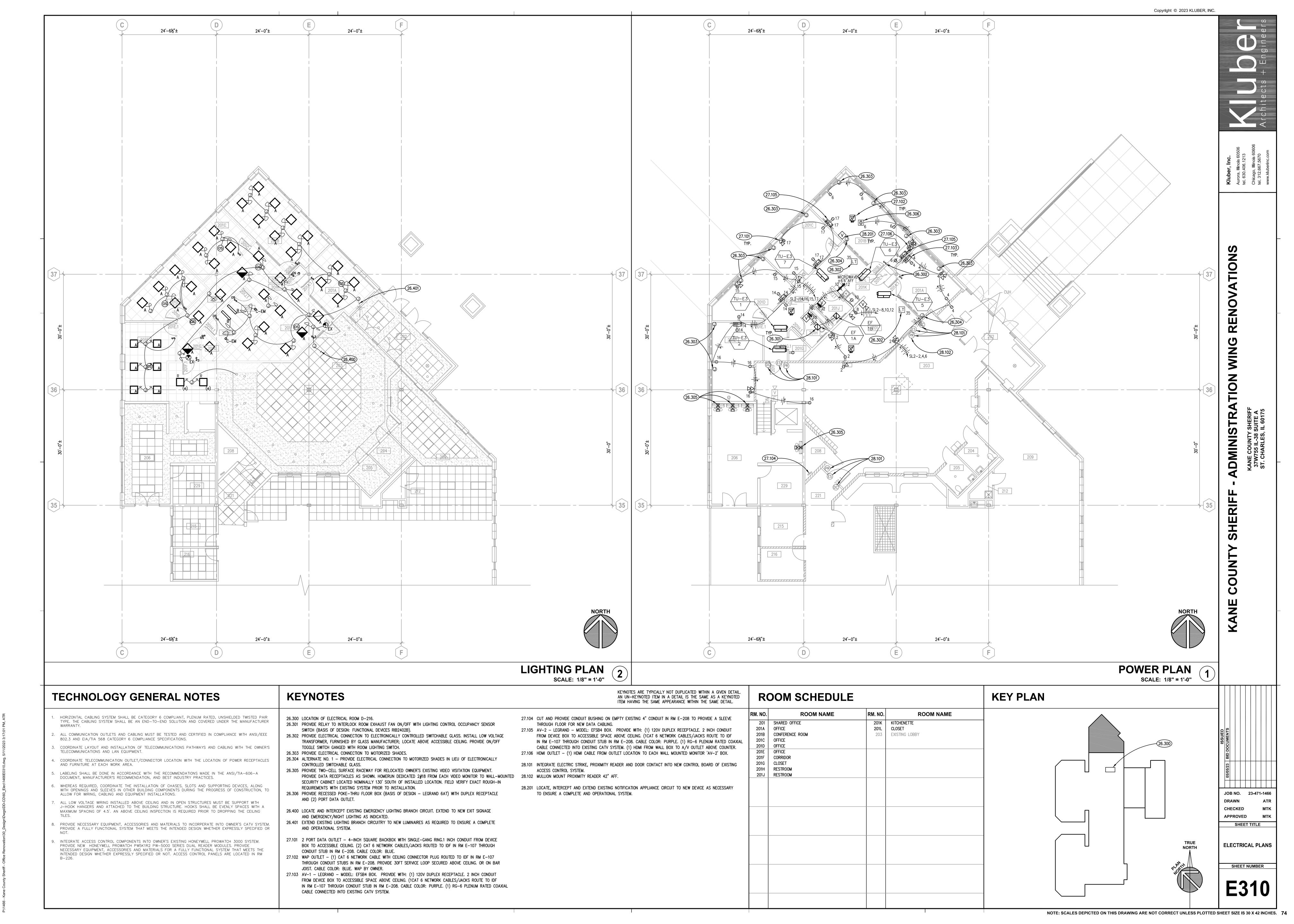
								DISC.	ST	ARTER		
NO.	DESCRIPTION	FLA	KW	HP	VOL	PH	CCT NO.	FURN BY	TYPE	ВҮ	CIRCUIT WIRING	NOTE
TU-E3-1	TERMINAL UNIT W/ ELECTRIC REHEAT	6	4	-	480	3	SH2-25/27/31	EC	N/A	N/A	4#10,#10G,3/4"C	
TU-E3-2	TERMINAL UNIT W/ ELECTRIC REHEAT	7.5	5	-	480	3	SH2-25/27/31	EC	N/A	N/A	4#10,#10G,3/4"C	
TU-E3-5	TERMINAL UNIT W/ ELECTRIC REHEAT	11.3	7.5	-	480	3	SH2-32/34/36	EC	N/A	N/A	4#10,#10G,3/4"C	
TU-E3-6	TERMINAL UNIT W/ ELECTRIC REHEAT	10.5	7	ı	480	3	SH2-32/34/36	EC	N/A	N/A	4#10,#10G,3/4"C	
TU-E3-7	TERMINAL UNIT W/ ELECTRIC REHEAT	6.8	4.5	ı	480	3	SH2-25/27/31	EC	N/A	N/A	4#10,#10G,3/4"C	
EF-1A,B	EXHAUST FAN	0.3	-	F	120	1	SL2-12	PLUG	ECM	UNIT	2#12,#12G,1/2"C	
OTES:												

											. •				
ΔN	IEL :	SL2 (EXISTING)				100 AMPERE MAIN	LUG (	ONLY	PA	NEL:	SL2 (REMODELED)			100 AMPERE MAIN	LUG
(T.	BRKR	DESCRIPTION	A	PHASE B	С	DESCRIPTION	BRKR	CKT.	CKT NO.	BRKR	DESCRIPTION	PHA A E		DESCRIPTION	BRK
<u>.                                    </u>	1P30	SYSTEM FURN C232		٥		SPARE E201	1P20	2	1	1P30	SYSTEM FURN C232	1080		REC E201,E201A	1P2
3	1P20	SYSTEM FURN C232				SPARE E201	1P20	4	3	1P20	SYSTEM FURN C232	1	080	REC E201A	1P2
5	1P20	SYSTEM FURN C232	1			SPARE	1P20	6	5	1P20	SYSTEM FURN C232		1260	REC E201B	1P2
7	1P20	ENTRANCE GFI		_		SPARE	1P20	8	7	1P20	ENTRANCE GFI	1250		COPIER E201	1P2
)	1P20	C234 FRIDGE				SPARE	1P20	10	9	1P20	C234 FRIDGE	1	000	REFRIGERATOR E201K	1P2
1	1P20	SPARE C233	-			SPARE	1P20	12	11	1P20	SPARE C233		604	REC E201K, REC & EF E291J, E201H	- 1P2
3	1P20	SPARE C233		_		SPARE	1P20	14	13	1P20	SPARE C233	900		REC E201C, E201D	1P2
5	1P20	SPARE				SPARE	1P20	16	15	1P20	REC - E201C, E201D	1080	080	REC E201D, E201E	1P2
7	1P20	SPARE	_			HUMIDIFIER C267	1P20	18	17	1P20	REC - E201B, E201C		1260	HUMIDIFIER C267	1P2
9	1P20	C214 RECEPTACLES		_		HUMIDIFIER C223	1P20	20	19	1P20	C214 RECEPTACLES		.200	HUMIDIFIER C223	1P2
1	1P20	C214, C213 RECEPTACLES				SPARE D248	1P20	22	21	1P20	C214, C213 RECEPTACLES			SPARE D248	1P2
3	1P20	C213, C212 RECEPTACLES	_			SPARE D248	1P20	24	23	1P20	C213, C212 RECEPTACLES			SPARE D248	1P2
5	1P20	SYSTEM FURN C232		_		E226, E228 RECEPTACLES	1P20	26	25	1P20	SYSTEM FURN C232			E226, E228 RECEPTACLES	1P2
7	1P20	SYSTEM FURN C232				E227, E228 RECEPTACLES	1P20	28	27	1P20	SYSTEM FURN C232			E227, E228 RECEPTACLES	1P2
9	1P20	SYSTEM FURN C232	_			SPARE	1P20	30	29	1P20	SYSTEM FURN C232		1920	MOTORIZED SHADES	1P2
1	1P20	SYSTEM FURN C232		_		C216 RECEPTACLES	1P20	32	31	1P20	SYSTEM FURN C232			C216 RECEPTACLES	1P2
3	1P20	SYSTEM FURN C232				C252 RECEPTACLES	1P20	34	33	1P20	SYSTEM FURN C232			C252 RECEPTACLES	1P2
5	1P20	SPARE				C216 RECEPTACLES	1P20	36	35	1P20	ELECTRONICALLY CONTROLLED GLASS E201		200	C216 RECEPTACLES	1P2
7	1P20	C233		_		C243, C 245 RECEPTACLES	1P20	38	37	1P20	C233			C243, C 245 RECEPTACLES	1P2
9	1P20	C233				C237 RECEPTACLES	1P20	40	39	1P20	C233			C237 RECEPTACLES	1P2
1	1P20	C233				C236, C237 RECEPTACLES	1P20	42	41	1P20	C233			C236, C237 RECEPTACLES	1P2
AL P AL P DEM	PHASE A: PHASE B: PHASE C: PHASE C:	0 0 0			ENCL FEI FEEDI	RATING: VOLT  OSURE: NEMA 1  D FROM: SDL-8/10/12  ER SIZE: EXISTING TO REMAIN	AGE (LN): AGE (LL): PHASE: WIRE:	208 3	TOTAL TOTAL DE	PHASE A: PHASE B: PHASE C: MAND VA:	5244 12714		ENCL FEI FEEDI	RATING: VOL OSURE: NEMA 1 D FROM: SDL-8/10/12 ER SIZE: EXISTING TO REMAIN	TAGE (L TAGE (L PHAS WIF
/IAN	D AMPS:	0		;		CATION: ELECTRICAL ROOM D-2 E D NQOD PANELBOARD SERIES			DEMA	ND AMPS:	35.3			CATION: ELECTRICAL ROOM D- ED NQOD PANELBOARD SERIES	

	LAMPS			INTERIOR LUMINAIRE SCHEDULE		<u> </u>			
NO. CAT. NO. DESCRIPTION		DESCRIPTION	MFGR.	CATALOG NUMBER	VOLTAGE	SHIELDING	FINISH	MOUNTING	NOTE
			COLUMBIA	LCAT22-40MLG-EDU					
,	1 ED 4000K	2' Y 2' STATIC TROFFER	LITHONIA	BLT SERIES	LINIV	EDOSTED ACRYLIC	\/\LITE	RECESSED	
'	LLD-4000K	Z XZ GIXIIO INGITER	METALUX	CRUZE SERIES	ONV	I ROSTED ACRITEC	VVIIIE		
				OR APPROVED EQUAL					
			LITECONTROL	2L-W-ID-LPAD-3-03-SOF-C3-40K-I065-D040-D01-1C-UNV					
1	I FD-4000K	LINEAR LED WALL MOUNT	MARK ARCHITECTURAL	SLOT SERIES	LINV	_	SILVER	SURFACE	
•	LLD 400010	DIRECT/INDIRECT	NEO RAY	DEFINE SERIES			0.21.21.1	(WALL)	
				OR APPROVED EQUAL					
		LED 6" CAN LIGHT	ELITE	HH6-LED-2000L-DIM10-277-WD-40K-85+-HH6-6501-W-WH			WHITE	RECESSED	
1	I FD-4000K		GOTHAM	EVO SERIES	UNV	N/A			1
•	225 1000K		HALO	HC6 SERIES					'
				OR APPROVED EQUAL					
			DUAL LITE	EVE SERIES					
	LED				_	_	_	_	
		SIGN, NICAD BATTERY	SURE LITES	APX SERIES					
1 1	D.	LED-4000K  LED-4000K  LED-4000K	LED-4000K  2' X 2' STATIC TROFFER  LED-4000K  LINEAR LED WALL MOUNT DIRECT/INDIRECT  LED-4000K  LED-4000K  LED 6" CAN LIGHT	LED-4000K  LED-4000K  LED-4000K  LINEAR LED WALL MOUNT DIRECT/INDIRECT  LED-4000K  LED-4	COLUMBIA LCAT22-40MLG-EDU  LITHONIA BLT SERIES  METALUX CRUZE SERIES  OR APPROVED EQUAL  LITECONTROL 2L-W-ID-LPAD-3-03-SOF-C3-40K-I065-D040-D01-1C-UNV  MARK ARCHITECTURAL SLOT SERIES  NEO RAY DEFINE SERIES  OR APPROVED EQUAL  LED-4000K  LITECONTROL  LITECONTRO	LED-4000K  LED-4000K  LED-4000K  LINEAR LED WALL MOUNT DIRECT/INDIRECT  LED-4000K  LINEAR LED WALL MOUNT  MARK ARCHITECTURAL  SLOT SERIES  UNV  MARK ARCHITECTURAL  LED-4000K  NARK ARCHITECTURAL  SLOT SERIES  UNV  LED-4000K  LED-4000K  LED-4000K  LED-4000K  LED-4000K  LED-4000K  LED-4000K  LED-4000K  LED-4000K  LINEAR LED WALL MOUNT  MARK ARCHITECTURAL  LINEAR LED WALL MOUNT  MARK ARCHITECTURAL  LINEAR LED WALL MOUNT  MARK ARCHITECTURAL  SLOT SERIES  UNV  LED-4000K  LED-4000K  LED-4000K  LINEAR LED WALL MOUNT  MARK ARCHITECTURAL  LINEAR LED WAL	LED-4000K  LED-4000K	COLUMBIA   LCAT22-40MLG-EDU   LITHONIA   BLT SERIES   UNV   FROSTED ACRYLIC   WHITE	COLUMBIA LCAT2240MLG-EDU LITHONIA BLT SERIES METALUX CRUZE SERIES OR APPROVED EQUAL LITECONTROL 2.4-W-ID-LPAD-3-03-SOF-C3-40K-I065-D040-D01-1C-UNV MARK ARCHITECTURAL SLOT SERIES NEO RAY DEFINE SERIES OR APPROVED EQUAL LED-4000K LED-4000K LED-4000K LED-6" CAN LIGHT  LED-4000K LED-6" CAN LIGHT  SULVER  COLUMBIA LCAT2240MLG-EDU LITHONIA BLT SERIES OR APPROVED EQUAL LITECONTROL 2.4-W-ID-LPAD-3-03-SOF-C3-40K-I065-D040-D01-1C-UNV MARK ARCHITECTURAL SLOT SERIES NEO RAY DEFINE SERIES OR APPROVED EQUAL LITE HH6-LED-2000L-DIM10-277-WD-40K-85+-HH6-6501-W-WH GOTHAM EVO SERIES HALO HC6 SERIES OR APPROVED EQUAL  LED-4000K  SELF-CONTAINED LED EXIT LED SELF-CONTAINED LED EXIT LITHONIA LOM SERIES  DUAL LITE EVE SERIES LITHONIA LOM SERIES



NOTE: SCALES DEPICTED ON THIS DRAWING ARE NOT CORRECT UNLESS PLOTTED SHEET SIZE IS 30 X 42 INCHES. 73



# PROJECT MANUAL FOR

# NEW ADMINISTRATION WING ST. CHARLES, ILLINOIS

### **OWNER**

KANE COUNTY SHERIFF 37W755 IL-38 ST. CHARLES, ILLINOIS 60175

### **ARCHITECT / ENGINEER**

KLUBER, INC. 41 W. BENTON STREET AURORA, ILLINOIS 60506



### SECTION 00 01 01 PROJECT TITLE PAGE

### PROJECT MANUAL

**FOR** 

## KANE COUNTY SHERIFF - NEW ADMINISTRATION WING 37W755 IL-38 ST. CHARLES, IL 60175

**OWNER** 

XANE COUNTY SHERIFF 37W755 IL-38 ST. CHARLES, IL 60175

**ARCHITECT / ENGINEER** 

KLUBER ARCHITECTS + ENGINEERS
41 W. BENTON STREET
AURORA, ILLINOIS 60506

**END OF DOCUMENT** 

### SECTION 00 01 07 SEALS PAGE

### 1.01 DESIGN PROFESSIONALS' SEALS

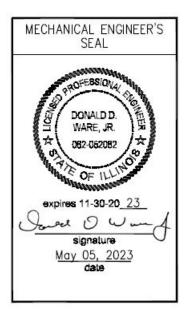
A. ARCHITECT

ARCHITECT'S
SEAL

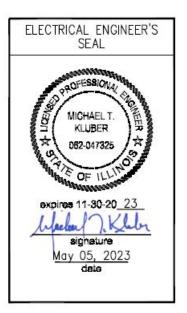
SED ARCA
CLAYTON D.
HALDEMAN
OOI-015907
OF ILLINO
expires 11-30-20 24

Signature
May 05, 2023
date

B. MECHANICAL ENGINEER



C. ELECTRICAL ENGINEER



### **END OF DOCUMENT**

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### **SECTION 00 01 15** DRAWING INDEX

### 1.01 GENERAL

- G100 COVER SHEET, GENERAL NOTES, SYMBOLS & DRAWING INDEX
- G201 ACCESSIBILITY REQUIREMENTS

### 1.02 ARCHITECTURAL

- A310 DEMOLITION & NEW WORK FIRST FLOOR PLAN
- A410 DEMOLITION & NEW WORK FIRST FLOOR REFLECTED CEILING PLAN
- A800 DOOR, FRAME & HARDWARE SCHEDULES, TOILET ACCESSORIES & FINISH SCHEDULE
- A1100 INTERIOR PARTITION TYPES & DETAILS

#### 1.03 MECHANICAL

- M310 MECHANICAL FLOOR PLANS
- M410 MECHANICAL SCHEDULES, DETAILS & TEMPERATURE CONTROLS

### 1.04 FIRE PROTECTION

F310 FIRE PROTECTION FLOOR PLANS

### 1.05 PLUMBING

P310 PLUMBING FLOOR PLANS

### 1.06 ELECTRICAL

- E050 ELECTRICAL SYMBOLS LIST, ABBREVIATIONS, SCHEDULES & DETAILS
- E230 ELECTRICAL DEMOLITION PLANS
- E310 ELECTRICAL PLANS

#### **END OF DOCUMENT**

Project No. 23-471-1466 **SECTION 00 01 15** 00 01 15 - 1 DRAWING INDEX

### SECTION 00 43 23 BID FORM SUPPLEMENT - LIST OF ALTERNATES

1.01	PARTICULARS	
	A. The following is the list of Alternates refe	erenced in the bid submitted by:
	(Bidder)	
	Dated	and which is an integral part of the Bid Form.
1.02	ALTERNATES LIST	
<ul> <li>A. The following amounts shall be added to or deducted from the Bid Amount. Refer to Section 01 2 00 - Alternates: Schedule of Alternates.</li> </ul>		
	1. Alternate # 1: (Add) (Deduct) \$	

**END OF DOCUMENT** 

00 43 23 - 1

### **SECTION 01 10 00** SUMMARY

### PART 1 GENERAL

#### 1.01 PROJECT

- A. Project Name: KANE COUNTY SHERIFF NEW ADMINISTRATION WING.
- B. Architect/Engineer's Name: Kluber Architects + Engineers.
- C. The Project consists of the construction of selective demolition, masonry work, steel lintels, doors and glazing, drywall, painting, flooring, ceilings, electrical, plumbing, HVAC, fire suppression and specialties equipment.

### 1.02 CONTRACT DESCRIPTION

A. Contract Type: A single prime contract based on a Stipulated Price.

#### 1.03 DESCRIPTION OF ALTERATIONS WORK

- A. Scope of demolition and removal work is indicated on drawings and specified in Section 02 41 00.
- B. Scope of alterations work is indicated on drawings.
- C. Contractor is required to remove and store the following prior to start of work, for later reinstallation by Contractor:
  - 1. Existing TV monitor in lobby.
  - 2. Existing lockers in lobby.
- D. Contractor is required to relocate the following:
  - 1. Communication terminals. 8 total/ 6 general and 2 ADA compliant. See A310 for locations.

#### 1.04 WORK BY OWNER

- A. Owner will relocate the following:
  - 1. Benches in lobby.
- B. Owner will supply the following for installation by Contractor:
  - 1. TV Monitors.
  - Refrigerator.
  - Microwave.

#### 1.05 OWNER OCCUPANCY

- A. Owner intends to continue to occupy adjacent portions of the existing building during the entire construction period.
- B. Owner intends to occupy the Project upon Substantial Completion.
- C. Cooperate with Owner to minimize conflict and to facilitate Owner's operations.
- D. Schedule the Work to accommodate Owner occupancy.

**SECTION 01 10 00** Project No. 23-471-1466 01 10 00 - 1 SUMMARY

### 1.06 CONTRACTOR USE OF SITE AND PREMISES

- A. Construction Operations: Limited to areas noted on Drawings.
  - 1. Locate and conduct construction activities in ways that will limit disturbance to site.
- B. Arrange use of site and premises to allow:
  - 1. Use of site and premises by the public.
- C. Provide access to and from site as required by law and by Owner:
  - 1. Emergency Building Exits During Construction: Keep all exits required by code open during construction period; provide temporary exit signs if exit routes are temporarily altered.
  - 2. Do not obstruct roadways, sidewalks, or other public ways without permit.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

**END OF SECTION** 

Project No. 23-471-1466 **SECTION 01 10 00** 01 10 00 - 2 **SUMMARY** 

### **SECTION 01 21 00 ALLOWANCES**

### PART 1 GENERAL

### 1.01 SECTION INCLUDES

- A. Cash allowances.
- B. Contingency allowance.
- C. Payment and modification procedures relating to allowances.

### 1.02 CASH ALLOWANCES

- A. Costs Included in Cash Allowances: Cost of product to Contractor or subcontractor, less applicable trade discounts, less applicable taxes.
- B. Costs Not Included in Cash Allowances: Product delivery to site and handling at the site, including unloading, uncrating, and storage; protection of products from elements and from damage; and labor for installation and finishing. These costs are to be borne by the Contractor and are to be included in the Base Bid.
- C. Differences in costs will be adjusted by Change Order.

### 1.03 CONTINGENCY ALLOWANCE

- A. Contractor's costs for products, delivery, installation, labor, payroll, taxes and equipment rental will be included in Change Orders authorizing expenditure of funds from this Contingency Allowance.
- B. Funds will be drawn from the Contingency Allowance only by Change Order.
- C. Bond, insurance, overhead and profit fees on Change Orders paid out of Contingency Allowances will not be permitted. The Contractor must carry in its Base Bid OH&P costs on Contingency Allowance funds expenditures.
- D. At closeout of Contract, funds remaining in Contingency Allowance will be credited to Owner by Change Order.

### 1.04 ALLOWANCES SCHEDULE

A. Contingency Allowance: Include in the Base Bid the stipulated sum of \$60,000.00 for use upon Owner's instructions.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

**END OF SECTION** 

**SECTION 01 21 00** Project No. 23-471-1466 01 21 00 - 1 **ALLOWANCES** 

### **SECTION 01 23 00 ALTERNATES**

### PART 1 GENERAL

### 1.01 SECTION INCLUDES

- A. Description of Alternates.
- B. Procedures for pricing Alternates.
- C. Documentation of changes to Contract Sum and Contract Time.

### 1.02 RELATED REQUIREMENTS

- A. Document 00 21 13 Instructions to Bidders: Instructions for preparation of pricing for Alternates.
- B. Document 00 43 23 Bid Form Supplement List of Alternates: List of Alternates as supplement to Bid Form.
- C. Document 00 52 00 Agreement Form: Incorporating monetary value of accepted Alternates.

### 1.03 ACCEPTANCE OF ALTERNATES

- A. Alternates quoted on Bid Forms will be reviewed and accepted or rejected at Owner's option. Accepted Alternates will be identified in the Owner-Contractor Agreement.
- B. Coordinate related work and modify surrounding work to integrate the Work of each Alternate.

### 1.04 SCHEDULE OF ALTERNATES

- A. Alternate No. 1 State the amount to be added to or deducted from the Base Bid to provide window shades & vision glass in lieu of electrical controlled switchable glass and associated electrical work:
  - 1. Base Bid Item: Section 08 88 36.16 and Drawing number A800 including items tagged as EC1.
  - 2. Alternate Item: Section 12 24 00 and Drawing number A310 & A800 including items keynoted 12.241.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

**END OF SECTION** 

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### SECTION 01 30 00 ADMINISTRATIVE REQUIREMENTS

### PART 1 GENERAL

### 1.01 SECTION INCLUDES

- A. General administrative requirements.
- B. Preconstruction meeting.
- C. Progress meetings.
- D. Construction progress schedule.
- E. Architect/Engineer-provided CAD files.
- F. Requests for Information (RFI) procedures.
- G. Submittals for review, information, and project closeout.
- H. Number of copies of submittals.
- I. Submittal procedures.

### 1.02 RELATED REQUIREMENTS

- A. Section 01 60 00 Product Requirements: General product requirements.
- B. Section 01 70 00 Execution and Closeout Requirements: Additional coordination requirements.
- C. Section 01 78 00 Closeout Submittals: Project record documents; operation and maintenance data; warranties and bonds.

### 1.03 GENERAL ADMINISTRATIVE REQUIREMENTS

- A. Comply with requirements of Section 01 70 00 Execution and Closeout Requirements for coordination of execution of administrative tasks with timing of construction activities.
- B. Make the following types of submittals to Architect/Engineer:
  - 1. Requests for Information (RFI).
  - 2. Requests for substitution.
  - 3. Shop drawings, product data, and samples.
  - 4. Applications for payment and change order requests.
  - 5. Progress schedules.
  - 6. Correction Punch List and Final Correction Punch List for Substantial Completion.
  - 7. Closeout submittals.

### PART 2 PRODUCTS - NOT USED

### PART 3 EXECUTION

#### 3.01 PRECONSTRUCTION MEETING

- A. Architect/Engineer will schedule a meeting after Notice of Award.
- B. Attendance required:
  - Owner.

Project No. 23-471-1466 01 30 00 - 1 SECTION 01 30 00 Copyright 2023 by KLUBER, INC.; All Rights Reserved ADMINISTRATIVE REQUIREMENTS

- 2. Architect/Engineer.
- Contractor.

### C. Agenda:

- 1. Execution of Owner-Contractor Agreement.
- 2. Submission of executed bonds and insurance certificates.
- 3. Distribution of Contract Documents.
- 4. Designation of personnel representing the parties to Contract and Architect/Engineer.
- 5. Procedures and processing of field decisions, Submittals, substitutions, applications for payments, proposal request, Change Orders, and Contract closeout procedures.
- 6. Scheduling.
- D. Record minutes and distribute copies within two days after meeting to participants, with two copies to Architect/Engineer, Owner, participants, and those affected by decisions made.

### 3.02 PROGRESS MEETINGS

- A. Make arrangements for meetings, prepare agenda with copies for participants, preside at meetings.
- B. Attendance Required:
  - Contractor.
  - Owner.
  - 3. Architect/Engineer.
  - 4. Contractor's superintendent.

### C. Agenda:

- 1. Review minutes of previous meetings.
- 2. Review of work progress.
- 3. Field observations, problems, and decisions.
- 4. Identification of problems that impede, or will impede, planned progress.
- 5. Review of Submittals schedule and status of Submittals.
- 6. Maintenance of progress schedule.
- 7. Corrective measures to regain projected schedules.
- 8. Planned progress during succeeding work period.
- 9. Maintenance of quality and work standards.
- 10. Effect of proposed changes on progress schedule and coordination.
- 11. Other business relating to work.
- D. Record minutes and distribute copies within 2 days after meeting to participants, with copies to Architect/Engineer, Owner, participants, and those affected by decisions made.

### 3.03 CONSTRUCTION PROGRESS SCHEDULE

- A. If preliminary schedule requires revision after review, submit revised schedule within 7 days.
- B. Submit updated schedule with each Application for Payment.

### 3.04 ARCHITECT/ENGINEER-PROVIDED CAD FILES

A. After the execution of the Contract, Architect/Engineer will provide, free of charge, upon receipt of a properly completed and signed request utilizing "Electronic Data Transfer Consent Form" at the end of this Specification Section, CAD files depicting graphic information for the project as follows:

Project No. 23-471-1466 01 30 00 - 2 SECTION 01 30 00

- Architectural Floor Plans: Column grid, walls, floors, stairs, doors, windows, room numbers, ceiling grid, mechanical diffusers, plumbing fixtures, sprinkler heads (if depicted in Bid Documents) and lights.
- B. Contractor acknowledges and accepts that the Architectural Floor Plans do not contain structural, mechanical, electrical, plumbing, fire protection and other building systems information depicted in the Bidding Documents. Examples of information not contained in these files include, but are not limited to, title blocks, keynotes, schedules, mechanical ductwork and equipment, electrical device symbols, circuit numbers and home runs, plumbing equipment, piping runs and riser diagrams, and architectural/engineering text or details. No other CAD files, data or information will be provided.
- C. Only requests from Prime Contractors will be honored. Subcontractors must obtain the files from their respective Prime Contractors.
- D. In submitting a request, Contractor acknowledges that:
  - 1. Architect/Engineer bears no responsibility for the data or its transmission,
  - 2. Use of the data by the Contractor or his Subcontractors in no way relieves the Contractor of his obligations under the Contract,
  - 3. Contractor is solely liable for any and all claims arising from any and all products generated by the Contractor or its Subcontractors employing the data,
  - 4. Contractor and its Subcontractors have a limited, non-exclusive license to use the data solely in connection with the Work of the Project, and that
  - 5. Architect/Engineer retains all rights, including copyright, to the data.

### 3.05 REQUESTS FOR INFORMATION (RFI)

- A. Definition: A request seeking one of the following:
  - An interpretation, amplification, or clarification of some requirement of Contract Documents
    arising from inability to determine from them the exact material, process, or system to be
    installed; or when the elements of construction are required to occupy the same space
    (interference); or when an item of work is described differently at more than one place in
    Contract Documents.
  - 2. A resolution to an issue which has arisen due to field conditions and affects design intent.
- B. Whenever possible, request clarifications at the next appropriate project progress meeting, with response entered into meeting minutes, rendering unnecessary the issuance of a formal RFI.
- C. Preparation: Prepare an RFI immediately upon discovery of a need for interpretation of Contract Documents. Failure to submit a RFI in a timely manner is not a legitimate cause for claiming additional costs or delays in execution of the work.
  - 1. Prepare a separate RFI for each specific item.
    - a. Review, coordinate, and comment on requests originating with subcontractors and/or materials suppliers.
    - b. Do not forward requests which solely require internal coordination between subcontractors.
  - 2. Prepare in a format and with content acceptable to Owner.
    - a. Use AIA G716 Request for Information.
  - 3. Combine RFI and its attachments into a single electronic file. PDF format is preferred.
- D. Reason for the RFI: Prior to initiation of an RFI, carefully study all Contract Documents to confirm that information sufficient for their interpretation is definitely not included.

- 1. Include in each request Contractor's signature attesting to good faith effort to determine from Contract Documents information requiring interpretation.
- 2. Unacceptable Uses for RFIs: Do not use RFIs to request the following::
  - a. Approval of submittals (use procedures specified elsewhere in this section).
  - b. Approval of substitutions (see Section 01 60 00 Product Requirements)
  - c. Changes that entail change in Contract Time and Contract Sum (comply with provisions of the Conditions of the Contract).
  - d. Different methods of performing work than those indicated in the Contract Drawings and Specifications (comply with provisions of the Conditions of the Contract).
- 3. Improper RFIs: Requests not prepared in compliance with requirements of this section, and/or missing key information required to render an actionable response. They will be returned without a response, with an explanatory notation.
- 4. Frivolous RFIs: Requests regarding information that is clearly indicated on, or reasonably inferable from, Contract Documents, with no additional input required to clarify the question. They will be returned without a response, with an explanatory notation.
  - a. The Owner reserves the right to assess the Contractor for the costs (on time-and-materials basis) incurred by the Architect/Engineer, and any of its consultants, due to processing of such RFIs.
- E. Content: Include identifiers necessary for tracking the status of each RFI, and information necessary to provide an actionable response.
  - 1. Official Project name and number, and any additional required identifiers established in Contract Documents.
  - 2. Owner's, Architect/Engineer's, and Contractor's names.
  - 3. Discrete and consecutive RFI number, and descriptive subject/title.
  - 4. Issue date, and requested reply date.
  - 5. Reference to particular Contract Document(s) requiring additional information/interpretation. Identify pertinent drawing and detail number and/or specification section number, title, and paragraph(s).
  - 6. Annotations: Field dimensions and/or description of conditions which have engendered the request.
  - 7. Contractor's suggested resolution: A written and/or a graphic solution, to scale, is required in cases where clarification of coordination issues is involved, for example; routing, clearances, and/or specific locations of work shown diagrammatically in Contract Documents. If applicable, state the likely impact of the suggested resolution on Contract Time or the Contract Sum.
- F. Attachments: Include sketches, coordination drawings, descriptions, photos, submittals, and other information necessary to substantiate the reason for the request.
- G. RFI Log: Prepare and maintain a tabular log of RFIs for the duration of the project.
  - 1. Indicate current status of every RFI. Update log promptly and on a regular basis.
  - 2. Note dates of when each request is made, and when a response is received.
  - 3. Highlight items requiring priority or expedited response.
  - 4. Highlight items for which a timely response has not been received to date.
  - 5. Identify and include improper or frivolous RFIs.
- H. Review Time: Architect/Engineer will respond and return RFIs to Contractor within seven calendar days of receipt. For the purpose of establishing the start of the mandated response period, RFIs received after 3:00 PM will be considered as having been received on the following regular working

day.

- 1. Response period may be shortened or lengthened for specific items, subject to mutual agreement, and recorded in a timely manner in progress meeting minutes.
- I. Responses: Content of answered RFIs will not constitute in any manner a directive or authorization to perform extra work or delay the project. If in Contractor's belief it is likely to lead to a change to Contract Sum or Contract Time, promptly issue a notice to this effect, and follow up with an appropriate Change Order request to Owner.
  - 1. Response may include a request for additional information, in which case the original RFI will be deemed as having been answered, and an amended one is to be issued forthwith. Identify the amended RFI with an R suffix to the original number.
  - 2. Do not extend applicability of a response to specific item to encompass other similar conditions, unless specifically so noted in the response.
  - 3. Upon receipt of a response, promptly review and distribute it to all affected parties, and update the RFI Log.
  - 4. Notify Architect/Engineer within seven calendar days if an additional or corrected response is required by submitting an amended version of the original RFI, identified as specified above.

### 3.06 SUBMITTALS FOR REVIEW

- A. When the following are specified in individual sections, submit them for review:
  - 1. Product data.
  - 2. Shop drawings.
  - 3. Samples for selection.
  - 4. Samples for verification.
- B. Submit to Architect/Engineer for review for the limited purpose of checking for compliance with information given and the design concept expressed in Contract Documents.
- C. Samples will be reviewed for aesthetic, color, or finish selection.
- D. After review, provide copies and distribute in accordance with Submittal PROCEDURES article below and for record documents purposes described in Section 01 78 00 Closeout Submittals.

#### 3.07 SUBMITTALS FOR INFORMATION

- A. When the following are specified in individual sections, submit them for information:
  - 1. Design data.
  - 2. Certificates.
  - 3. Manufacturer's instructions.
  - 4. Manufacturer's field reports.
  - 5. Other types indicated.
- B. Submit for Architect/Engineer's knowledge as contract administrator or for Owner.

### 3.08 SUBMITTALS FOR PROJECT CLOSEOUT

- A. Submit Correction Punch List for Substantial Completion.
- B. Submit Final Correction Punch List for Substantial Completion.
- C. When the following are specified in individual sections, submit them at project closeout in compliance with requirements of Section 01 78 00 Closeout Submittals:

- 1. Project record documents.
- 2. Operation and maintenance data.
- Warranties.
- 4. Bonds.
- 5. Other types as indicated.
- D. Submit for Owner's benefit during and after Project completion.

#### 3.09 NUMBER OF COPIES OF SUBMITTALS

- A. Documents for Review:
  - 1. Submit via email in Adobe PDF electronic file format at native sheet size and right-side up. Architect/Engineer will return via email a reviewed copy in Adobe PDF electronic file format. Files not properly sized and rotated will be rejected. Illegible files will be rejected.
- B. Documents for Information: Submit via email in Adobe PDF electronic file format. Submitted documents are for Architect/Engineer's information and reference only, and will not be reviewed or returned.
- C. Samples: Submit the number specified in individual specification sections; one of which will be retained by Architect/Engineer.
  - 1. Submit original, physical samples. With each physical sample, submit Adobe PDF electronic copies of scanned physical original samples. Architect/Engineer will return via email a reviewed scanned copy in Adobe PDF electronic file format.
  - 2. Retained samples will not be returned to Contractor unless specifically so stated.

### 3.10 SUBMITTAL PROCEDURES

- A. General Requirements:
  - 1. Use a single transmittal for related items.
  - 2. Submit separate packages of submittals for review and submittals for information, when included in the same specification section.
  - 3. Transmit using approved form.
  - 4. Number each submittal. Prefix the submittal number with the Specification Section number to which the submittal pertains. For revised submittals use original number and a sequential alphanumeric suffix. Items submitted without a Specification Section number, or with an incorrect Specification Section number will delay the review process.
  - 5. Identify: Project; Contractor; subcontractor or supplier; pertinent drawing and detail number; and specification section number, article and paragraph, as appropriate on each copy.
  - 6. Correlate submitted items with specified products; clearly indicate the specified product that corresponds to each submitted item. Submitted items not clearly correlated with specified items will delay the review process.
  - 7. When options or optional features available for a Product are indicated in a Submittal, and selections for those options/features are indicated in the Contract Documents, identify on the Submittal the selection indicated in the Contract Documents. Submittals that fail to identify specified options or optional features may be returned marked "Rejected" or "Revise and Resubmit".
  - 8. Apply Contractor's stamp, signed or initialed certifying that review, approval, verification of products required, field dimensions, adjacent construction work, and coordination of information is in accordance with the requirements of the work and Contract Documents.

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- a. Submittals from sources other than the Contractor, or without Contractor's transmittal will not be acknowledged, reviewed, or returned.
- 9. Deliver each submittal on date noted in submittal schedule, unless an earlier date has been agreed to by all affected parties, and is of the benefit to the project.
  - a. Deliver submittals to Architect/Engineer at business address.
- 10. Schedule submittals to expedite the Project, and coordinate submission of related items.
  - a. For each submittal for review, allow 15 days excluding delivery time to and from the Contractor.
  - b. For sequential reviews involving Architect/Engineer's consultants, Owner, or another affected party, allow an additional 7 days.
- 11. Clearly identify variations from the Contract Documents. Regardless of the type of variation, Contractor is solely responsible for errors in the field or performance issues that arise from Submittal variations from the requirements of the Contract Documents if those variations were not expressly noted to specifically identify for and describe to the reviewer the nature of the variation from the Contract Documents.
- 12. Provide space for Contractor's review stamp and a 4 inch x 3 inch clear space for Architect/Engineer's review stamp.
- 13. Promptly return submittals marked "Rejected" or "Revise and Resubmit" to originating subcontractor supplier, and faithfully ensure the prompt resubmittal of the correct or revised information.
- 14. When revised for resubmission, identify all changes made since previous submission. Use clouds, highlights or other means acceptable to Architect/Engineer. Resubmittals that do not clearly identify all changes may be delayed and/or returned to the Contractor unreviewed.
- 15. Contractor is entitled to one (1) resubmittal of each Submittal For Review or Submittal For Project Closeout rejected by Architect/Engineer or returned by Architect/Engineer for further action. Thereafter, Contractor shall pay the cost of all further Architect/Engineer reviews of any Submittal For Review or Submittal for Project Closeout, at a rate of \$200.00/hour. Cost of such further reviews will be deducted from the Contract Sum by Change Order.
- 16. Promptly distribute and coordinate the requirements of reviewed submittals with affected parties. Instruct parties to promptly report inability to comply with requirements.
- 17. Where indicated on the Drawings or in respective product specification Sections, submit reviewed submittals to Authority Having Jurisdiction (AHJ).
- 18. Incomplete submittals will not be reviewed, unless they are partial submittals for distinct portion(s) of the work, and have received prior approval for their use.
- 19. Submittals not requested will be returned "Not Reviewed".

#### B. Product Data Procedures:

- 1. Submit only information required by individual specification sections.
- Collect required information into a single submittal.
- 3. Submit concurrently with related shop drawing submittal.
- 4. Do not submit (Material) Safety Data Sheets for materials or products.

### C. Shop Drawing Procedures:

- 1. Prepare accurate, drawn-to-scale, original shop drawing documentation by interpreting Contract Documents and coordinating related work.
- 2. Generic, non-project-specific information submitted as shop drawings do not meet the requirements for shop drawings.

- D. Samples Procedures:
  - 1. Transmit related items together as single package.
  - 2. When relevant, identify each item to allow review for applicability in relation to shop drawings showing installation locations.
- E. Submittal reviews may be delayed and/or Submittals may be returned marked "Rejected" or "Revise and Resubmit" for any of the following reasons:
  - 1. Submittals submitted outside the scheduled dates of the Submittal Schedule.
  - 2. Submittals are incomplete or are missing information.
  - 3. Submittals are not submitted in accordance with procedures outlined in this Section, including, but not limited to:
    - a. Specification Section number not indicated on submittal or transmittal.
    - b. Contractor's review stamp missing.
    - c. Submitted items not correlated with specified products.
    - d. Re-submitted items not clearly identifying changes.

### 3.11 SUBMITTAL REVIEW

- A. Submittals for Review: Architect/Engineer will review each submittal, and approve, or take other appropriate action.
- B. Submittals for Information: Architect/Engineer will not acknowledge receipt, and take no other action.
- C. Architect/Engineer's actions will be reflected by marking each returned submittal using virtual stamp on electronic submittals.
  - 1. Notations may be made directly on submitted items and/or listed on appended Submittal Review cover sheet.
- D. Architect/Engineer's and consultants' actions on items submitted for review:
  - 1. Authorizing purchasing, fabrication, delivery, and installation:
    - a. "No Exception Taken", or language with same legal meaning.
      - 1) Resubmission is not required or requested.
      - 2) Resubmitted items will not be acknowledged.
    - b. "Make Corrections Noted", or language with same legal meaning.
      - 1) Resubmission is not required or requested.
      - 2) Resubmitted items may be returned marked "Not Requested, Not Reviewed".
  - 2. Not Authorizing fabrication, delivery, and installation:
    - a. "Revise and Resubmit".
      - 1) Resubmit revised item, with review notations acknowledged and incorporated.
      - 2) Clearly identify all revisions.
      - 3) Non-responsive resubmittals may be rejected.
    - b. "Rejected".
      - 1) Submit item complying with requirements of Contract Documents.
    - c. "Submit Specified Item".
      - 1) Submit item complying with requirements of Contract Documents.

### **END OF SECTION**



### **ELECTRONIC DATA TRANSFER CONSENT FORM**

Project Name:	NEW ADMINISTRATION WING	
	37W755 IL-38 St. CHARLES, ILLINOIS 60175	
	St. CHARLES, ILLINOIS 60175	
Project No.:	23-471-1466	
Owner:	KANE COUNTY SHERIFF	
Your Work:		
request and for you	our convenience. By accepting and openi	s corporation, is providing electronic data to you solely at your ng any of the electronic data files, you agree that Kluber bears no re solely liable for any and all claims referring or relating to any and the data.
	that you have a limited non-exclusive lice above, and that Kluber retains all rights, i	nse to use the information solely in connection with your work on the ncluding copyright, to the data.
Acknowledged by	:	
,	(Printed Name)	(Signature)
Company:		
Date:		Email:
Architectural Floor	r Plans are transmitted for the contractors	use as backgrounds for shop drawings and as-built drawings, and,
		floors, stairs, doors, windows, room numbers, ceiling grid, lights,
-	•	nents. Plans do not contain title blocks, keynotes, schedules,
		pols, circuit numbers and home runs, plumbing equipment, piping
runs and riser diag	grams, and architectural/engineering text	and details. Plans depict entire floors and are not formatted, partial

plans as depicted in the Bidding Documents. Files are provided in R2013 .DWG format.)

### SECTION 01 40 00 QUALITY REQUIREMENTS

### PART 1 GENERAL

### 1.01 SECTION INCLUDES

- A. Submittals.
- B. Quality assurance.
- C. Control of installation.
- D. Defect Assessment.

### 1.02 RELATED REQUIREMENTS

- A. Section 01 41 00 Regulatory Requirements.
- B. Section 01 42 00 References.
- C. Section 01 60 00 Product Requirements: Requirements for material and product quality.

### 1.03 REFERENCE STANDARDS

- A. ASTM E1155 Standard Test Method for Determining F(F) Floor Flatness and F(L) Floor Levelness Numbers; 1996 (Reapproved 2008).
- B. ASTM C140 Standard Test Methods of Sampling and Testing Concrete Masonry Units and Related Units; 2011.
- C. ASTM C780 Standard Test Method for Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry; 2010.
- D. ASTM C1314 Standard Test Method for Compressive Strength of Masonry Prisms; 2010.
- E. ASTM C1357 Standard Test Methods for Evaluating Masonry Bond Strength; 2009.

### 1.04 SUBMITTALS

- A. Certificates: When specified in individual specification sections, submit certification by the manufacturer and Contractor or installation/application subcontractor to Architect/Engineer, in quantities specified for Product Data.
  - 1. Indicate material or product complies with or exceeds specified requirements. Submit supporting reference data, affidavits, and certifications as appropriate.
  - 2. Certificates may be recent or previous test results on material or product, but must be acceptable to Architect/Engineer.
- B. Manufacturer's Instructions: When specified in individual specification sections, submit printed instructions for delivery, storage, assembly, installation, start-up, adjusting, and finishing, for the Owner's information. Indicate special procedures, perimeter conditions requiring special attention, and special environmental criteria required for application or installation.

Project No. 23-471-1466 01 40 00 - 1 SECTION 01 40 00 Copyright 2023 by KLUBER, INC.; All Rights Reserved QUALITY REQUIREMENTS

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- 1.05 REGULATORY REQUIREMENTS SEE SECTION 01 41 00
- 1.06 REFERENCES AND STANDARDS SEE SECTION 01 42 00
- PART 2 PRODUCTS NOT USED
- PART 3 EXECUTION

#### 3.01 CONTROL OF INSTALLATION

- A. Monitor quality control over suppliers, manufacturers, products, services, site conditions, and workmanship, to produce work of specified quality.
- B. Comply with manufacturers' instructions, including each step in sequence.
- C. Should manufacturers' instructions conflict with Contract Documents, request clarification from Architect/Engineer before proceeding.
- D. Comply with specified standards as minimum quality for the work except where more stringent tolerances, codes, or specified requirements indicate higher standards or more precise workmanship.
- E. Have work performed by persons qualified to produce required and specified quality.
- F. Verify that field measurements are as indicated on shop drawings or as instructed by the manufacturer.

### 3.02 DEFECT ASSESSMENT

- A. Replace Work or portions of the Work not complying with specified requirements.
- B. If, in the opinion of Owner, it is not practical to remove and replace the work, Owner will direct an appropriate remedy or adjust payment.

#### **END OF SECTION**

**SECTION 01 40 00** Project No. 23-471-1466 01 40 00 - 2 Copyright 2023 by KLUBER, INC.; All Rights Reserved QUALITY REQUIREMENTS

# SECTION 01 41 00 REGULATORY REQUIREMENTS

### PART 1 GENERAL

### 1.01 SECTION INCLUDES

- A. General.
- B. Definitions.
- C. Quality Assurance.
- D. Regulatory Requirements.

### 1.02 RELATED SECTIONS

- A. Section 01 10 00 Summary.
- B. Section 01 42 00 References.

#### 1.03 GENERAL

- A. Comply with all applicable laws, rules, regulations, codes and ordinances.
- B. If the Contractor observes that the Contract Documents may be at variance with specified codes, notify the Architect/Engineer immediately. Architect/Engineer shall issue all changes in accordance with the General Conditions.
- C. It shall not be the Contractor's primary responsibility to make certain that the Contract Documents are in accordance with all applicable laws, rules and regulations, however, when the Contractor performs work knowing or having reason to know that the work in question is contrary to applicable laws, rules, and regulations, and fails to notify the Architect/Engineer, the Contractor shall pay all costs arising therefrom.

### 1.04 DEFINITIONS

- A. Definitions:
  - 1. Codes: Codes are statutory requirements, rules or regulations of governmental entities.
  - 2. Standards: Standards are requirements that have been established as accepted criteria, set general consent.

### 1.05 QUALITY ASSURANCE

- A. The Architect/Engineer has designed the project to applicable code requirements and has copies of said codes available for the Contractor's inspection.
- B. The Contractor shall:
  - 1. Ensure that copies of codes and standards referenced herein or specified in individual specifications sections are available to Contractor's personnel, agents, and Sub-Contractors.
  - 2. Ensure that Contractor's personnel, agents, and Sub-Contractors are familiar with the workmanship and requirements of applicable codes and standards.

#### 1.06 REGULATORY REQUIREMENTS

- A. Source and Requirements: Verify amendments with local code officials.
  - 1. Local code requirements:

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- a. ICC International Building Code, 2021 Edition.
- b. ICC International Mechanical Code, 2021 Edition.
- c. National Electrical Code, 2020 Edition.
- 2. State code requirements:
  - a. Illinois Accessibility Code, 2018 Edition.
  - b. Illinois Energy Conservation Code (ICC International Energy Conservation Code, 2018 Edition, with State of Illinois modifications.
  - c. Illinois Plumbing Code 2014
- 3. Information and Requirements for Utility Services: Local utility companies.
- PART 2 **PRODUCTS - NOT USED**
- PART 3 EXECUTION NOT USED

**END OF SECTION** 

### **SECTION 01 42 00** REFERENCES

### PART 1 GENERAL

#### 1.01 SECTION INCLUDES

- A. Drawing symbols, abbreviations and acronyms.
- B. Definitions of terms used throughout the Contract Documents.
- C. Explanation of specification format and content.
- D. Requirements relating to referenced standards.
- E. Applicability of referenced standards.
- F. List of industry organizations and certain of their respective documents.

#### 1.02 DRAWING SYMBOLS AND CONVENTIONS

- A. Abbreviations and graphic symbols are defined on the General Notes, Symbols & Abbreviations sheet of the drawings.
- B. Generally, symbols used on the mechanical and electrical drawings conform to those recommended by ASHRAE, though, where appropriate, these symbols are supplemented by more specific symbols as recommended by ASME, ASPE, or the IEEE.

### 1.03 DEFINITIONS

- A. Where the terms "indicated", "noted", "scheduled", "shown", or "specified" are used it is to help locate the reference; no limitation on location is intended except as specifically noted.
- B. Where the terms "directed", "requested", "authorized", "approved", are used as in "directed by the Architect/Engineer", no implied meaning shall be construed to extend the Architect/Engineer's responsibilities into the Contractor's purview of construction supervision.
- C. Where the term "approved" is used in conjunction with the Architect/Engineer's action on submittals, requests or applications it is limited to the duties of the Architect/Engineer as described in the Agreement, and the General and Supplemental Conditions of the Contract. Such use of the term "approval" shall not limit or release the Contractor from his responsibility to fulfill Contract requirements.
- D. Where the term "regulations" is used it means all applicable statutes, laws, ordinances, and orders issued by authorities having jurisdiction, as well as construction industry standards, rules, or conventions that address performance of the Work.
- E. The "Project Site" is the space available to the Contractor for performance of construction activities. The Project Site may be for the exclusive use of the Contractor and his activities or may be used in conjunction with others performing other construction or related activities on the Project. Unless the extent of the Project Site is indicated on the Drawings, means the limits of the area within the property line of the parcel on which the Project is located, subject to the limitations and restrictions of local ordinance and the discretion of the Owner.
- F. Where the term "furnish" is used it means supply, deliver to, and unload and store at the Project Site until the Work is ready for the item to be assembled and incorporated into the Work.

Project No. 23-471-1466 **SECTION 01 42 00** 01 42 00 - 1 REFERENCES

- G. Where the term "install" is used it is meant to describe operations at the Project Site to include uncrating, assembling, placing, anchoring, connecting to utilities, finishing, protecting, cleaning and all other similar operations required to fully incorporate an item into the Work.
- H. Where the term "provide" is used it means "furnish and install" as defined above.
- I. Where the term "refurbish" is used it means refinish, repair and otherwise restore to like-new condition.
- J. Where the terms "remove" or "demolish" are used they mean safely disconnect from existing utilities, permanently extract from the Work and the Project Site, and legally dispose of off-site.
- K. Where the terms "temporarily remove" or "salvage" are used they mean safely disconnect from existing utilities and carefully extract from the Work so as to prevent damage to the item and the
  - 1. If the item is to be reinstalled or relocated as part of the Work, these terms also mean clean, adjust, lubricate and otherwise restore to best possible condition without repair or refinishing.
  - 2. Otherwise, these terms also mean clean item surfaces and turn over to the Owner for storage and possible future use.
- L. Where the term "reinstall" is used it means the same as "install", with respect to a temporarily removed, salvaged or relocated item.
- M. Where the term "relocate" is used it means temporarily remove and reinstall in a new location.
- N. Where the phrase "salvage in place" is used it means protect in place so as to prevent damage while adjacent elements are demolished, restore to best possible condition without repair or refinishing, and modify as necessary to properly incorporate and integrate with the Work.

### 1.04 SPECIFICATION FORMAT AND CONTENT

- A. These Specifications are based on the Construction Specification Institute's 49 Division format and numbering system.
- B. Language used in the Specifications and other Contract Documents is an abbreviated type. Implied words and meanings will appropriately interpreted.
- C. Requirements expressed in imperative and streamlined language are to be performed by the Contractor. At certain locations in the text, subjective language may be used to describe responsibilities that must be fulfilled indirectly by the Contractor or others.
  - 1. Whenever a colon (:) is used within a sentence or phrase, it shall be construed to mean the words "shall be".
- D. Use of certain terms such as "carpentry" is not intended to imply that certain activities must be performed by accredited or unionized individuals of a corresponding generic name. The Specifications do, however, require that certain construction activities shall be performed by specialists who are recognized experts in the operations to be performed. Specialists shall be used for said activities, however the final responsibility for fulfilling the requirements of the Contract remains the Contractor's.

**SECTION 01 42 00** Project No. 23-471-1466 01 42 00 - 2 **REFERENCES** 

### 1.05 QUALITY ASSURANCE

- A. For products or workmanship specified by reference to a document or documents not included in the Project Manual, also referred to as reference standards, comply with requirements of the standard, except when more rigid requirements are specified or are required by applicable codes.
- B. Conform to reference standard of date of issue specified in this section, except where a specific date is established by applicable code.
- C. Obtain copies of standards when required by the Contract Documents.
- D. Maintain copy at project site during submittals, planning, and progress of the specific work, until Substantial Completion.
- E. Should specified reference standards conflict with Contract Documents, request clarification from the Architect/Engineer before proceeding.
- F. Neither the contractual relationships, duties, or responsibilities of the parties in Contract nor those of the Architect/Engineer shall be altered by the Contract Documents by mention or inference otherwise in any reference document.

### 1.06 APPLICABILITY OF INDUSTRY STANDARDS

- A. Construction industry standards shall have the same force and effect as if bound or copied directly in the Contract Documents, except where more stringent requirements are specified. All such applicable standards are made a part of the Contract Documents by reference.
  - 1. Where compliance with two or more standards are referenced and conflicting requirements for quality or quantities occur, comply with the more stringent requirements. Refer questions regarding apparently conflicting standards to the Architect/Engineer for a decision before proceeding.
  - 2. The standard of quality or quantity levels specified, shown, or referenced shall be the minimum to be provided or performed. Refer questions regarding standards of minimum quality or quantity to the Architect/Engineer before proceeding.

### 1.07 CONSTRUCTION INDUSTRY ORGANIZATIONS AND DOCUMENTS

AABC -- ASSOCIATED AIR BALANCE COUNCIL

AAMA -- AMERICAN ARCHITECTURAL MANUFACTURERS ASSOCIATION

AISC -- AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC.

ANSI -- AMERICAN NATIONAL STANDARDS INSTITUTE

ASHRAE -- AMERICAN SOCIETY OF HEATING. REFRIGERATING AND AIR-CONDITIONING ENGINEERS, INC.

ASME -- THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS

ASTM -- AMERICAN SOCIETY FOR TESTING AND MATERIALS

AWI -- ARCHITECTURAL WOODWORK INSTITUTE

BHMA -- BUILDERS HARDWARE MANUFACTURERS ASSOCIATION

**BIA -- BRICK INDUSTRY ASSOCIATION** 

Project No. 23-471-1466 **SECTION 01 42 00** 01 42 00 - 3 **REFERENCES**  CPSC -- CONSUMER PRODUCTS SAFETY COMMISSION

DHI -- DOOR AND HARDWARE INSTITUTE

ICC -- INTERNATIONAL CODE COUNCIL, INC.

IEEE -- INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS

ISO -- INTERNATIONAL STANDARDS ORGANIZATION

NCMA -- NATIONAL CONCRETE MASONRY ASSOCIATION

NEMA -- NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION

NFPA -- NATIONAL FIRE PROTECTION ASSOCIATION

NRCA -- NATIONAL ROOFING CONTRACTORS ASSOCIATION

SGCC -- SAFETY GLAZING CERTIFICATION COUNCIL

SMACNA -- SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION, INC.

SSPC -- THE SOCIETY FOR PROTECTIVE COATINGS

UL -- UNDERWRITERS LABORATORIES INC.

### 1.08 UNITED STATES GOVERNMENT AND RELATED AGENCIES/DOCUMENTS

CFR -- CODE OF FEDERAL REGULATIONS

CPSC -- CONSUMER PRODUCTS SAFETY COMMISSION

**EPA -- ENVIRONMENTAL PROTECTION AGENCY** 

FS -- FEDERAL SPECIFICATIONS AND STANDARDS (General Services Administration)

GSA -- U.S. GENERAL SERVICES ADMINISTRATION

USGS -- UNITED STATES GEOLOGICAL SURVEY

### 1.09 STATE GOVERNMENT AND RELATED AGENCIES/DOCUMENTS

CDB -- ILLINOIS CAPITAL DEVELOPMENT BOARD

IDOL -- ILLINOIS DEPARTMENT OF LABOR

IDPH -- ILLINOIS DEPARTMENT OF PUBLIC HEALTH

IEPA -- ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

OSFM -- OFFICE OF THE ILLINOIS STATE FIRE MARSHAL

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

### **END OF SECTION**

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 SECTION 01 42 00

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 REFERENCES

### **SECTION 01 50 00** TEMPORARY FACILITIES AND CONTROLS

### PART 1 GENERAL

### 1.01 SECTION INCLUDES

- A. Temporary telecommunications services.
- B. Temporary controls: Barriers and enclosures.
- C. Security requirements.
- D. Vehicular access and parking.
- E. Waste removal facilities and services.

### 1.02 TELECOMMUNICATIONS SERVICES

- A. Provide, maintain, and pay for telecommunications services to field office at time of project mobilization.
- B. Telecommunications services shall include:
  - 1. One (1) mobile cellular telephone for each of Contractor's and any Subcontractor's field personnel.

### 1.03 BARRIERS

- A. Provide barriers to prevent unauthorized entry to construction areas, to prevent access to areas that could be hazardous to workers or the public, to allow for owner's use of site and to protect existing facilities and adjacent properties from damage from construction operations and demolition.
- B. Protect non-owned vehicular traffic, stored materials, site, and structures from damage.

### 1.04 INTERIOR ENCLOSURES

- A. Provide temporary partitions and ceilings as indicated to separate work areas from Owneroccupied areas, to prevent penetration of dust and moisture into Owner-occupied areas, and to prevent damage to existing materials and equipment.
- B. Construction: Framing and plywood sheet materials with closed joints and sealed edges at intersections with existing surfaces:

#### 1.05 SECURITY

- A. Provide security and facilities to protect Work, existing facilities, and Owner's operations from unauthorized entry, vandalism, or theft.
- B. All on-site personnel of Contractor, Subcontractors and Suppliers must pass a background check, performed by the Owner or by an outside agency of the Owner's choosing.
  - 1. At least 7 days prior to a Contractor, Subcontractor or Supplier employee being present on the jobsite, provide Owner with employee's full name and date of birth, to allow the Owner to conduct a background check on the individual.

Project No. 23-471-1466 **SECTION 01 50 00** 01 50 00 - 1 TEMPORARY FACILITIES AND CONTROLS

### 1.06 VEHICULAR ACCESS AND PARKING

- A. Comply with regulations relating to use of streets and sidewalks, access to emergency facilities, and access for emergency vehicles.
- B. Coordinate access and haul routes with governing authorities and Owner.
- C. Provide and maintain access to fire hydrants, free of obstructions.
- D. Provide means of removing mud from vehicle wheels before entering streets.
- E. Provide temporary parking areas to accommodate construction personnel. When site space is not adequate, provide additional off-site parking.

### 1.07 WASTE REMOVAL

- A. Provide waste removal facilities and services as required to maintain the site in clean and orderly condition.
- B. Provide containers with lids. Remove trash from site periodically.
- C. If materials to be recycled or re-used on the project must be stored on-site, provide suitable noncombustible containers; locate containers holding flammable material outside the structure unless otherwise approved by the authorities having jurisdiction.
- D. Open free-fall chutes are not permitted. Terminate closed chutes into appropriate containers with lids.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

**END OF SECTION** 

**SECTION 01 50 00** Project No. 23-471-1466 01 50 00 - 2 TEMPORARY FACILITIES AND CONTROLS

## SECTION 01 60 00 PRODUCT REQUIREMENTS

### PART 1 GENERAL

### 1.01 SECTION INCLUDES

- A. General product requirements.
- B. Transportation, handling, storage and protection.
- C. Product option requirements.
- D. Substitution limitations.
- E. Procedures for Owner-supplied products.
- F. Maintenance materials, including extra materials, spare parts, tools, and software.

### 1.02 RELATED REQUIREMENTS

- A. Section 01 10 00 Summary: Identification of Owner-supplied products.
- B. Section 01 61 16 Volatile Organic Compound (VOC) Content Restrictions: Requirements for VOC-restricted product categories.

#### 1.03 SUBMITTALS

- A. Product Data Submittals: Submit manufacturer's standard published data. Mark each copy to identify applicable products, models, options, and other data. Supplement manufacturers' standard data to provide information specific to this Project.
- B. Shop Drawing Submittals: Prepared specifically for this Project; indicate utility and electrical characteristics, utility connection requirements, and location of utility outlets for service for functional equipment and appliances.
- C. Sample Submittals: Illustrate functional and aesthetic characteristics of the product, with integral parts and attachment devices. Coordinate sample submittals for interfacing work.
  - 1. For selection from standard finishes, submit samples of the full range of the manufacturer's standard colors, textures, and patterns.

### 1.04 QUALITY ASSURANCE

- A. Environmental Product Declaration (EPD): Publicly available, critically reviewed life cycle analysis having at least a cradle-to-gate scope.
  - 1. Good: Product-specific; compliant with ISO 14044.
  - 2. Better: Industry-wide, generic; compliant with ISO 21930, or with ISO 14044, ISO 14040, ISO 14025, and EN 15804; Type III third-party certification with external verification, in which the manufacturer is recognized as the program operator.
  - 3. Best: Commercial-product-specific; compliant with ISO 21930, or with ISO 14044, ISO 14040, ISO 14025, and EN 15804; Type III third-party certification with external verification, in which the manufacturer is recognized as the program operator.
  - 4. Where demonstration of impact reduction below industry average is required, submit both industry-wide and commercial-product-specific declarations; or submit at least 5 declarations for products of the same type by other manufacturers in the same industry.

Project No. 23-471-1466 01 60 00 - 1 SECTION 01 60 00 Copyright 2023 by KLUBER, INC.; All Rights Reserved PRODUCT REQUIREMENTS

### PART 2 PRODUCTS

### 2.01 NEW PRODUCTS

- A. Provide new products unless specifically required or permitted by Contract Documents.
- B. Designed, manufactured, and tested in accordance with industry standards.
- C. Where other criteria are met, Contractor shall give preference to products that:
  - 1. If used on interior, have lower emissions, as defined in Section 01 61 16.
  - 2. If wet-applied, have lower VOC content, as defined in Section 01 61 16.
  - 3. Are extracted, harvested, and/or manufactured closer to the location of the project.
  - 4. Have longer documented life span under normal use.
  - 5. Result in less construction waste.
  - 6. Are made of recycled materials.
  - 7. Have a published Environmental Product Declaration (EPD).
  - 8. Have a published Health Product Declaration (HPD).
  - 9. Have a published Manufacturer's Inventory of Chemical Content.

### 2.02 PRODUCT OPTIONS

- A. Products Specified by Reference Standards or by Description Only: Use any product meeting those standards or description.
- B. Products Specified by Naming One or More Manufacturers: Use a product of one of the manufacturers named and meeting specifications, no options or substitutions allowed.
- C. Products Specified by Naming One or More Manufacturers with a Provision for Substitutions: Submit a request for substitution for any manufacturer not named.

### 2.03 MAINTENANCE MATERIALS

- A. Furnish extra materials, spare parts, tools, and software of types and in quantities specified in individual specification sections.
- B. Deliver to Project site and place in location directed by Owner's representative; obtain Owner's signature on receipt for delivery prior to final payment. Submit signed receipts with Closeout Submittals.

### PART 3 EXECUTION

### 3.01 SUBSTITUTION LIMITATIONS

- A. Substitutions Prior To Bid Opening: Architect/Engineer will consider a written request for substitution provided that such request is received at least seven (7) days prior to the Bid opening date. Requests received after that time will not be considered.
  - 1. Only Substitution Requests from Bidders will be considered.
  - 2. If a request is approved, the Architect/Engineer will issue and appropriate addendum not less than three (3) days prior to the Bid opening date.
- B. Document each request utilizing Substitution Request Form following this section with complete data substantiating compliance of proposed substitution with Contract Documents. Incomplete requests will not be considered. Submit a separate Substitution Request Form and accompanying documentation for each proposed substitution.

Project No. 23-471-1466 **SECTION 01 60 00** 016000 - 2PRODUCT REQUIREMENTS

- C. Provide the following minimum documentation with each Substitution Request Form:
  - 1. Product identification, manufacturer, product data including dimensions and weight, performance and installation instructions.
  - 2. Side-by-side itemized comparison of proposed substitution with specified product.
  - 3. Coordination information including other modifications required as a result of proposed substitution.
  - 4. Cost information including the effect of the proposed substitution on the Contract Sum.
- D. Sign and date the Substitution Request Form.
- E. A request for substitution constitutes a representation that the submitter:
  - 1. Has investigated proposed product and determined that it meets or exceeds the quality level of the specified product.
  - 2. Agrees to provide the same warranty for the substitution as for the specified product.
  - 3. Agrees to coordinate installation and make changes to other Work that may be required for the Work to be complete with no additional cost to Owner.
  - 4. Waives claims for additional costs or time extension that may subsequently become apparent.
  - 5. Agrees to reimburse Owner and Architect/Engineer for review or redesign services associated with re-approval by authorities having jurisdiction over the Project.
- F. Architect/Engineer will notify submitter in writing of decision to accept or reject request.
- G. Substitutions of products or product characteristics/components/options/accessories will not be considered when they are indicated or implied on Contractor's submittals, without separate written request, or when acceptance will require revision to the Contract Documents, whether rejection of said substitutions is expressly identified by Architect/Engineer on Contractor's submittals or not.

### 3.02 OWNER-SUPPLIED PRODUCTS

- A. See Section 01 10 00 Summary for identification of Owner-supplied products.
- B. Owner's Responsibilities:
  - 1. Arrange for and deliver Owner reviewed shop drawings, product data, and samples, to Contractor.
  - 2. Arrange and pay for product delivery to site.
  - 3. On delivery, inspect products jointly with Contractor.
  - 4. Submit claims for transportation damage and replace damaged, defective, or deficient items.
  - 5. Arrange for manufacturers' warranties, inspections, and service.
- C. Contractor's Responsibilities:
  - 1. Review Owner reviewed shop drawings, product data, and samples.
  - 2. Receive and unload products at site; inspect for completeness or damage jointly with Owner.
  - 3. Handle, store, install and finish products.
  - 4. Repair or replace items damaged after receipt.
  - 5. Make final connections to Owner-provided equipment, and test equipment.

#### 3.03 TRANSPORTATION AND HANDLING

A. Package products for shipment in manner to prevent damage; for equipment, package to avoid loss of factory calibration.

Project No. 23-471-1466 01 60 00 - 3 SECTION 01 60 00 Copyright 2023 by KLUBER, INC.; All Rights Reserved PRODUCT REQUIREMENTS

- B. If special precautions are required, attach instructions prominently and legibly on outside of packaging.
- C. Coordinate schedule of product delivery to designated prepared areas in order to minimize site storage time and potential damage to stored materials.
- D. Transport and handle products in accordance with manufacturer's instructions.
- E. Transport materials in covered trucks to prevent contamination of product and littering of surrounding areas.
- F. Promptly inspect shipments to ensure that products comply with requirements, quantities are correct, and products are undamaged.
- G. Provide equipment and personnel to handle products by methods to prevent soiling, disfigurement, or damage, and to minimize handling.
- H. Arrange for the return of packing materials, such as wood pallets, where economically feasible.

## 3.04 STORAGE AND PROTECTION

- A. Designate receiving/storage areas for incoming products so that they are delivered according to installation schedule and placed convenient to work area in order to minimize waste due to excessive materials handling and misapplication. See
- B. Store and protect products in accordance with manufacturers' instructions.
- C. Store with seals and labels intact and legible.
- D. Store sensitive products in weathertight, climate-controlled enclosures in an environment favorable to product.
- E. For exterior storage of fabricated products, place on sloped supports above ground.
- F. Protect products from damage or deterioration due to construction operations, weather, precipitation, humidity, temperature, sunlight and ultraviolet light, dirt, dust, and other contaminants.
- G. Comply with manufacturer's warranty conditions, if any.
- H. Cover products subject to deterioration with impervious sheet covering. Provide ventilation to prevent condensation and degradation of products.
- I. Prevent contact with material that may cause corrosion, discoloration, or staining.
- J. Provide equipment and personnel to store products by methods to prevent soiling, disfigurement, or damage.
- K. Arrange storage of products to permit access for inspection. Periodically inspect to verify products are undamaged and are maintained in acceptable condition.

#### **END OF SECTION**

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# SUBSTITUTION REQUEST FORM

PROJECT: KANE COUNTY SHERIFF – NEW ADMINISTRATION	WING	
SPECIFIED ITEM:		
Specification Section Page Paragraph  The undersigned requests consideration of the following:  PROPOSED SUBSTITUTION:	Description	
Attached data includes project description, specifications, drawings, adequate for evaluation of the request; applicable portions of the da Attached data also includes a description of changes to the Contrac require for its proper installation.	ta are clearly identified.	
<ol> <li>The undersigned certifies that the following paragraphs, unless modified by attachments, are correct:</li> <li>The proposed substitution does not affect dimensions shown on drawings.</li> <li>The undersigned will pay for changes to the building design, including engineering design, detailing, and construction costs caused by the requested substitution.</li> <li>The proposed substitution will have no adverse effect on other trades, the construction schedule, or specified warranty requirements.</li> <li>Maintenance and service parts will be locally available for the proposed substitution.</li> <li>The undersigned further states that the function, appearance, and quality of the proposed substitution are equivalent or superior to the specified item.</li> </ol>		
Printed Name	For Use By The Architect/Engineer:  Accepted As Noted	
Signature Date Firm	☐ Not Accepted ☐ Received Too Late	
Telephone	By:  Date:	
Email Attachments (list):	Remarks:	

# SECTION 01 61 16 VOLATILE ORGANIC COMPOUND (VOC) CONTENT RESTRICTIONS

#### PART 1 GENERAL

## 1.01 SECTION INCLUDES

- A. Requirements for VOC-Content-Restricted products.
- B. Requirement for installer certification that they did not use any non-compliant products.

## 1.02 RELATED REQUIREMENTS

A. Section 01 60 00 - Product Requirements: Fundamental product requirements, substitutions and product options, delivery, storage, and handling.

# 1.03 DEFINITIONS

- A. Indoor-Emissions-Restricted Products: All products in the following product categories, whether specified or not:
- B. VOC-Content-Restricted Products: All products in the following product categories, whether specified or not:
  - 1. Interior paints and coatings applied on site.
  - 2. Interior adhesives and sealants applied on site, including flooring adhesives.
  - 3. Other products when specifically stated in the specifications.
- C. Interior of Building: Anywhere inside the exterior weather barrier.
- D. Adhesives: All gunnable, trowelable, liquid-applied, and aerosol adhesives, whether specified or not; including flooring adhesives, resilient base adhesives, and pipe jointing adhesives.
- E. Sealants: All gunnable, trowelable, and liquid-applied joint sealants and sealant primers, whether specified or not; including firestopping sealants and duct joint sealers.

#### 1.04 REFERENCE STANDARDS

- A. 40 CFR 59, Subpart D National Volatile Organic Compound Emission Standards for Architectural Coatings; U.S. Environmental Protection Agency current edition.
- B. ASTM D3960 Standard Practice for Determining Volatile Organic Compound (VOC) Content of Paints and Related Coatings 2005 (Reapproved 2018).
- C. CARB (SCM) Suggested Control Measure for Architectural Coatings; California Air Resources Board 2020.
- D. GreenSeal GS-36 Standard for Adhesives for Commercial Use 2013.
- E. SCAQMD 1113 Architectural Coatings 1977, with Amendment (2016).
- F. SCAQMD 1168 Adhesive and Sealant Applications 1989, with Amendment (2022).

## 1.05 SUBMITTALS

A. Product Data: For each VOC-restricted product used in the project, submit evidence of compliance.

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SECTION 01 61 16
VOLATILE ORGANIC COMPOUND (VOC)
CONTENT RESTRICTIONS

- B. Sustainable Design Reporting: Submit evidence of compliance along with Accessory Material VOC Content Certification Form following this Section.
- C. Installer Certifications Regarding Prohibited Content: Require each installer of any type of product (not just the products for which VOC restrictions are specified) to certify that either 1) no adhesives, joint sealants, paints, coatings, or composite wood or agrifiber products have been used in the installation of installer's products, or 2) that such products used comply with these requirements.

# 1.06 QUALITY ASSURANCE

- A. VOC Content Test Method: 40 CFR 59, Subpart D (EPA Method 24), or ASTM D3960, unless otherwise indicated.
  - 1. Evidence of Compliance: Acceptable types of evidence are:
    - a. Report of laboratory testing performed in accordance with requirements.
    - b. Published product data showing compliance with requirements.
    - c. Certification by manufacturer that product complies with requirements.

# PART 2 PRODUCTS

# 2.01 MATERIALS

- A. All Products: Comply with the most stringent of federal, State, and local requirements, or these specifications.
- B. VOC-Content-Restricted Products: VOC content not greater than required by the following:
  - 1. Adhesives, Including Flooring Adhesives: SCAQMD 1168 Rule.
  - 2. Aerosol Adhesives: GreenSeal GS-36.
  - 3. Joint Sealants: SCAQMD 1168 Rule.
  - 4. Paints and Coatings: Each color; most stringent of the following:
    - a. 40 CFR 59, Subpart D.
    - b. SCAQMD 1113 Rule.
    - c. CARB (SCM).

## PART 3 EXECUTION

#### 3.01 FIELD QUALITY CONTROL

- A. Owner reserves the right to reject non-compliant products, whether installed or not, and require their removal and replacement with compliant products at no extra cost to Owner.
- B. Additional costs to restore indoor air quality due to installation of non-compliant products will be borne by Contractor.

# **END OF SECTION**

01 61 16 - 2

# SECTION 01 61 16.01 ACCESSORY MATERIAL VOC CONTENT CERTIFICATION FORM

## 1.01 PRODUCT CERTIFICATION

- A. I certify that the installation work of my firm on this project:
  - 1. [HAS] [HAS NOT] required the use of any ADHESIVES.
  - 2. [HAS] [HAS NOT] required the use of any JOINT SEALANTS.
  - 3. [HAS] [HAS NOT] required the use of any PAINTS OR COATINGS.
  - 4. [HAS] [HAS NOT] required the use of any COMPOSITE WOOD or AGRIFIBER PRODUCTS.
- B. Product data and MSDS sheets are attached.

# 2.01 CERTIFIED BY: (INSTALLER/MANUFACTURER/SUPPLIER FIRM)

Α.	Firm Name: _	
D.	Title:	(officer of company)
Ε.	Date:	

**END OF SECTION** 

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SECTION 01 61 16.01

ACCESSORY MATERIAL VOC CONTENT

CERTIFICATION FORM

# **SECTION 01 70 00 EXECUTION AND CLOSEOUT REQUIREMENTS**

#### PART 1 GENERAL

# 1.01 SECTION INCLUDES

- A. Examination, preparation, and general installation procedures.
- B. Cutting and patching.
- C. Cleaning and protection.
- D. Starting of systems and equipment.
- E. Demonstration and instruction of Owner personnel.
- F. Closeout procedures, including Contractor's Correction Punch List, except payment procedures.
- G. General requirements for maintenance service.

# 1.02 RELATED REQUIREMENTS

- A. Section 01 40 00 Quality Requirements: Testing and inspection procedures.
- B. Section 01 50 00 Temporary Facilities and Controls: Temporary exterior enclosures.
- C. Section 01 78 00 Closeout Submittals: Project record documents, operation and maintenance data, warranties, and bonds.
- D. Section 01 79 00 Demonstration and Training: Demonstration of products and systems to be commissioned and where indicated in specific specification sections

# 1.03 SUBMITTALS

- A. Cutting and Patching: Submit written request in advance of cutting or alteration that affects:
  - 1. Structural integrity of any element of Project.
  - 2. Efficiency, maintenance, or safety of any operational element.
  - 3. Visual qualities of sight exposed elements.
  - 4. Work of Owner or separate Contractor.

# 1.04 PROJECT CONDITIONS

- A. Ventilate enclosed areas to assist cure of materials, to dissipate humidity, and to prevent accumulation of dust, fumes, vapors, or gases.
- B. Dust Control: Execute work by methods to minimize raising dust from construction operations. Provide positive means to prevent air-borne dust from dispersing into atmosphere and over adjacent property.
  - 1. Provide dust-proof barriers between construction areas and areas continuing to be occupied by Owner.
- C. Noise Control: Provide methods, means, and facilities to minimize noise produced by construction operations.
- D. Pest and Rodent Control: Provide methods, means, and facilities to prevent pests and insects from damaging the work.

Project No. 23-471-1466 **SECTION 01 70 00** 01 70 00 - 1 **EXECUTION AND CLOSEOUT REQUIREMENTS** 

- E. Rodent Control: Provide methods, means, and facilities to prevent rodents from accessing or invading premises.
- F. Pollution Control: Provide methods, means, and facilities to prevent contamination of soil, water, and atmosphere from discharge of noxious, toxic substances, and pollutants produced by construction operations. Comply with federal, state, and local regulations.

#### 1.05 COORDINATION

- A. Coordinate scheduling, submittals, and work of the various sections of the Project Manual to ensure efficient and orderly sequence of installation of interdependent construction elements, with provisions for accommodating items installed later.
- B. Notify affected utility companies and comply with their requirements.
- C. Verify that utility requirements and characteristics of new operating equipment are compatible with building utilities. Coordinate work of various sections having interdependent responsibilities for installing, connecting to, and placing in service, such equipment.
- D. Coordinate space requirements, supports, and installation of mechanical and electrical work that are indicated diagrammatically on Drawings. Follow routing shown for pipes, ducts, and conduit, as closely as practicable; place runs parallel with lines of building. Utilize spaces efficiently to maximize accessibility for other installations, for maintenance, and for repairs.
- E. In finished areas except as otherwise indicated, conceal pipes, ducts, and wiring within the construction. Coordinate locations of fixtures and outlets with finish elements.
- F. Coordinate completion and clean-up of work of separate sections.
- G. After Owner occupancy of premises, coordinate access to site for correction of defective work and work not in accordance with Contract Documents, to minimize disruption of Owner's activities.

# PART 2 PRODUCTS

## 2.01 PATCHING MATERIALS

- A. New Materials: As specified in product sections; match existing products and work for patching and extending work.
- B. Type and Quality of Existing Products: Determine by inspecting and testing products where necessary, referring to existing work as a standard.
- C. Product Substitution: For any proposed change in materials, submit request for substitution described in Section 01 60 00 Product Requirements.

#### PART 3 EXECUTION

#### 3.01 EXAMINATION

- A. Verify that existing site conditions and substrate surfaces are acceptable for subsequent work. Start of work means acceptance of existing conditions.
- B. Verify that existing substrate is capable of structural support or attachment of new work being applied or attached.
- C. Examine and verify specific conditions described in individual specification sections.

- D. Take field measurements before confirming product orders or beginning fabrication, to minimize waste due to over-ordering or misfabrication.
- E. Verify that utility services are available, of the correct characteristics, and in the correct locations.
- F. Prior to Cutting: Examine existing conditions prior to commencing work, including elements subject to damage or movement during cutting and patching. After uncovering existing work, assess conditions affecting performance of work. Beginning of cutting or patching means acceptance of existing conditions.

## 3.02 PREPARATION

- A. Clean substrate surfaces prior to applying next material or substance.
- B. Seal cracks or openings of substrate prior to applying next material or substance.
- C. Apply manufacturer required or recommended substrate primer, sealer, or conditioner prior to applying any new material or substance in contact or bond.

#### 3.03 GENERAL INSTALLATION REQUIREMENTS

- A. Install products as specified in individual sections, in accordance with manufacturer's instructions and recommendations, and so as to avoid waste due to necessity for replacement.
- B. Make vertical elements plumb and horizontal elements level, unless otherwise indicated.
- C. Install equipment and fittings plumb and level, neatly aligned with adjacent vertical and horizontal lines, unless otherwise indicated.
- D. Make consistent texture on surfaces, with seamless transitions, unless otherwise indicated.
- E. Make neat transitions between different surfaces, maintaining texture and appearance.

# 3.04 CUTTING AND PATCHING

- A. Whenever possible, execute the work by methods that avoid cutting or patching.
- B. Perform whatever cutting and patching is necessary to:
  - 1. Complete the work.
  - 2. Fit products together to integrate with other work.
  - 3. Provide openings for penetration of mechanical, electrical, and other services.
  - 4. Match work that has been cut to adjacent work.
  - 5. Repair areas adjacent to cuts to required condition.
  - 6. Repair new work damaged by subsequent work.
  - 7. Remove samples of installed work for testing when requested.
  - 8. Remove and replace defective and non-complying work.
- C. Execute work by methods that avoid damage to other work and that will provide appropriate surfaces to receive patching and finishing. In existing work, minimize damage and restore to original condition.
- D. Employ original installer to perform cutting for weather exposed and moisture resistant elements, and sight exposed surfaces.

- E. Cut rigid materials using masonry saw or core drill. Pneumatic tools not allowed without prior approval.
- F. Restore work with new products in accordance with requirements of Contract Documents.
- G. Fit work air tight to pipes, sleeves, ducts, conduit, and other penetrations through surfaces.

## H. Patching:

- 1. Finish patched surfaces to match finish that existed prior to patching. On continuous surfaces, refinish to nearest intersection or natural break. For an assembly, refinish entire unit.
- 2. Match color, texture, and appearance.
- 3. Repair patched surfaces that are damaged, lifted, discolored, or showing other imperfections due to patching work. If defects are due to condition of substrate, repair substrate prior to repairing finish.

## 3.05 PROGRESS CLEANING

- A. Maintain areas free of waste materials, debris, and rubbish. Maintain site in a clean and orderly condition.
- B. Remove debris and rubbish from pipe chases, plenums, attics, crawl spaces, and other closed or remote spaces, prior to enclosing the space.
- C. Broom and vacuum clean interior areas prior to start of surface finishing, and continue cleaning to eliminate dust.
- D. Collect and remove waste materials, debris, and trash/rubbish from site periodically and dispose off-site; do not burn or bury.

#### 3.06 PROTECTION OF INSTALLED WORK

- A. Protect installed work from damage by construction operations.
- B. Provide special protection where specified in individual specification sections.
- C. Provide temporary and removable protection for installed products. Control activity in immediate work area to prevent damage.
- D. Provide protective coverings at walls, projections, jambs, sills, and soffits of openings.
- E. Protect finished floors, stairs, and other surfaces from traffic, dirt, wear, damage, or movement of heavy objects, by protecting with durable sheet materials.
- F. Prohibit traffic or storage upon waterproofed or roofed surfaces. If traffic or activity is necessary, obtain recommendations for protection from waterproofing or roofing material manufacturer.
- G. Remove protective coverings when no longer needed; reuse or recycle coverings if possible.

#### 3.07 SYSTEM STARTUP

- A. Coordinate schedule for start-up of various equipment and systems.
- B. Verify that each piece of equipment or system has been checked for proper lubrication, drive rotation, belt tension, control sequence, and for conditions that may cause damage.

- C. Verify tests, meter readings, and specified electrical characteristics agree with those required by the equipment or system manufacturer.
- D. Verify that wiring and support components for equipment are complete and tested.
- E. Execute start-up under supervision of applicable Contractor personnel and manufacturer's representative in accordance with manufacturers' instructions.
- F. Submit a written report that equipment or system has been properly installed and is functioning correctly.

# 3.08 DEMONSTRATION AND INSTRUCTION

A. See Section 01 79 00 - Demonstration and Training.

#### 3.09 ADJUSTING

A. Adjust operating products and equipment to ensure smooth and unhindered operation.

# 3.10 FINAL CLEANING

- A. Execute final cleaning prior to final project assessment.
  - 1. Clean areas to be occupied by Owner prior to final completion before Owner occupancy.
- B. Use cleaning materials that are nonhazardous.
- C. Clean interior and exterior glass, surfaces exposed to view; remove temporary labels, stains and foreign substances, polish transparent and glossy surfaces, vacuum carpeted and soft surfaces.
- D. Remove all labels that are not permanent. Do not paint or otherwise cover fire test labels or nameplates on mechanical and electrical equipment.
- E. Clean equipment and fixtures to a sanitary condition with cleaning materials appropriate to the surface and material being cleaned.
- F. Clean filters of operating equipment.
- G. Remove waste, surplus materials, trash/rubbish, and construction facilities from the site; dispose of in legal manner; do not burn or bury.

## 3.11 CLOSEOUT PROCEDURES

- A. See Section 01 77 00 for additional requirements.
- B. Make submittals that are required by governing or other authorities.
- C. Accompany Project Coordinator on preliminary inspection to determine items to be listed for completion or correction in the Contractor's Correction Punch List for Contractor's Notice of Substantial Completion.
- D. Notify Architect/Engineer when work is considered ready for Architect/Engineer's Substantial Completion inspection.
- E. Submit written certification containing Contractor's Correction Punch List, that Contract Documents have been reviewed, work has been inspected, and that work is complete in accordance with Contract Documents and ready for Architect/Engineer's Substantial Completion inspection.

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- F. Conduct Substantial Completion inspection and create Final Correction Punch List containing Architect/Engineer's and Contractor's comprehensive list of items identified to be completed or corrected and submit to Architect/Engineer.
- G. Correct items of work listed in Final Correction Punch List and comply with requirements for access to Owner-occupied areas.
- H. Notify Architect/Engineer when work is considered finally complete and ready for Architect/Engineer's Substantial Completion final inspection.
- I. Complete items of work determined by Architect/Engineer listed in executed Certificate of Substantial Completion.

# 3.12 MAINTENANCE

- A. Provide service and maintenance of components indicated in specification sections.
- B. Maintenance Period: As indicated in specification sections or, if not indicated, not less than one year from the Date of Substantial Completion or the length of the specified warranty, whichever is longer.
- C. Examine system components at a frequency consistent with reliable operation. Clean, adjust, and lubricate as required.
- D. Include systematic examination, adjustment, and lubrication of components. Repair or replace parts whenever required. Use parts produced by the manufacturer of the original component.
- E. Maintenance service shall not be assigned or transferred to any agent or subcontractor without prior written consent of the Owner.

**END OF SECTION** 

**SECTION 01 70 00** Project No. 23-471-1466 01 70 00 - 6 **EXECUTION AND CLOSEOUT REQUIREMENTS** 

# **SECTION 01 77 00 CLOSEOUT PROCEDURES**

#### PART 1 GENERAL

#### 1.01 SECTION INCLUDES:

- A. Substantial Completion Procedures.
- B. Final Completion Procedures.

## 1.02 RELATED REQUIREMENTS:

- A. Section 01 10 00 Summary.
- B. Section 01 78 00 Closeout Submittals.

#### 1.03 SUBSTANTIAL COMPLETION PROCEDURES

- A. Substantial Completion Procedures will be in accordance with the General Conditions of the Contract for Construction, Article 9.8 and include the following:
  - 1. When the Work or a portion of the Work is considered to be substantially complete, the Contractor inspects the project and prepares a comprehensive list of outstanding items to be completed or corrected, Initial Punch List.
  - 2. Contractor submits notice of Substantial Completion.
  - 3. Contractor completes items on the Initial Punch List.
  - 4. Architect/Engineer inspects the project to verify substantial completion and prepares a Final Punch List.
  - 5. Architect/Engineer prepares Certificate of Substantial Completion, acceptance is required by Owner and Contractor.

## 1.04 FINAL COMPLETION PROCEDURES

- A. Final Completion Procedures will be in accordance with the General Conditions of the Contract for Construction, Article 9.10, and include the following:
  - 1. When items on Initial and Final Punch Lists are complete, submit notice of final completion and final application for payment.
  - 2. Submit Final Closeout Submittals as specified in Section 01 78 00.
  - 3. Architect will inspect project and verifies the Work is acceptable and conforms with the Contract Documents.
  - 4. Architect will process final application for payment and closeout submittals.

#### 1.05 CORRECTION PERIOD

- A. Correction Period commences on the date of Substantial Completion and expires two years from that date.
- B. Owner: document non-conforming or defective work over course of Correction Period. Notify Contractor in writing of nonconforming or defective work. Copy Architect/Engineer.
  - 1. Life safety issues requiring immediate corrective work: Contact Contractor for action.

**SECTION 01 77 00** Project No. 23-471-1466 01 77 00 - 1 Copyright 2023 by KLUBER, INC.; All Rights Reserved **CLOSEOUT PROCEDURES**  PART 2 PRODUCTS - NOT USED.

PART 3 EXECUTION - NOT USED.

**END OF SECTION** 

# SECTION 01 78 00 CLOSEOUT SUBMITTALS

#### PART 1 GENERAL

#### 1.01 SECTION INCLUDES

- A. Warranties and bonds.
- B. Project record documents.
- C. Operation and maintenance data.
- D. Format, arrangement and organization of Operation and Maintenance Manual electronic file.

#### 1.02 RELATED REQUIREMENTS

- A. Section 01 70 00 Execution and Closeout Requirements: Contract closeout procedures.
- B. Individual Product Sections: Specific requirements for operation and maintenance data.

#### 1.03 SUBMITTALS

- A. Submit preliminary draft of proposed formats and outlines of contents of electronic Operation and Maintenance Manual, including warranties and bonds, record documin Bookmarked Adobe PDF form before start of Work. Architect/Engineer will review draft and return with comments.
- B. Warranties and Bonds:
  - 1. For equipment or component parts of equipment put into service during construction with Owner's permission, submit documents within 10 days after acceptance.
  - 2. Make other submittals within 10 days after Date of Substantial Completion, prior to final Application for Payment.
  - 3. For items of Work for which acceptance is delayed beyond Date of Substantial Completion, submit within 10 days after acceptance, listing the date of acceptance as the beginning of the warranty period.
- C. Project Record Documents: Submit documents to Architect/Engineer with claim for final Application for Payment.
- D. Operation and Maintenance Data:
  - 1. For equipment, or component parts of equipment put into service during construction and operated by Owner, submit completed documents within ten days after acceptance.
  - Submit completed documents 15 days prior to final inspection. This copy will be reviewed and returned after final inspection, with Architect/Engineer comments. Revise content as required prior to final submission.
- E. Submit revised final Operation and Maintenance Manual, incorporating warranties and bonds, record documents and operation and maintenance data, in final form in Adobe PDF electronic file format on USB flash drive form within 10 days after final inspection.

Project No. 23-471-1466 01 78 00 - 1 SECTION 01 78 00 Copyright 2023 by KLUBER, INC.; All Rights Reserved CLOSEOUT SUBMITTALS

#### PART 2 PRODUCTS - NOT USED

# PART 3 EXECUTION

#### 3.01 WARRANTIES AND BONDS

- A. Obtain warranties and bonds, executed in duplicate by responsible Subcontractors, suppliers, and manufacturers, within 10 days after completion of the applicable item of work. Except for items put into use with Owner's permission, leave date of beginning of time of warranty until Date of Substantial completion is determined.
- B. Verify that documents are in proper form, contain full information, and are notarized.
- C. Co-execute submittals when required.
- D. Retain warranties and bonds until time specified for submittal.
- E. Include originals of each in operation and maintenance manuals, indexed separately on Table of Contents.
- F. Include color, 300 dpi resolution scans of each in Operation and Maintenance Manual PDF file, Bookmarked and indexed separately in Table of Contents.

#### 3.02 PROJECT RECORD DOCUMENTS

- A. Maintain on site one set of the following record documents; record actual revisions to the Work:
  - 1. Drawings.
  - 2. Specifications.
  - 3. Addenda.
  - 4. Change Orders and other modifications to the Contract.
- B. Ensure entries are complete and accurate, enabling future reference by Owner.
- C. Store record documents separate from documents used for construction.
- D. Record information concurrent with construction progress.
- E. Specifications: Legibly mark and record at each product section description of actual products installed, including the following:
  - 1. Manufacturer's name and product model and number.
  - 2. Product substitutions or alternates utilized.
  - 3. Changes made by Addenda and modifications.
- F. Record Drawings and Shop Drawings: Legibly mark each item to record actual construction including:
  - 1. Measured depths of foundations in relation to finish first floor datum.
  - 2. Measured horizontal and vertical locations of underground utilities and appurtenances, referenced to permanent surface improvements.
  - 3. Measured locations of internal utilities and appurtenances concealed in construction, referenced to visible and accessible features of the Work.
  - 4. Field changes of dimension and detail.
  - 5. Details not on original Contract drawings.

# 3.03 OPERATION AND MAINTENANCE DATA

- A. Source Data: For each product or system, list names, addresses and telephone numbers of Subcontractors and suppliers, including local source of supplies and replacement parts.
- B. Product Data: Mark each sheet to clearly identify specific products and component parts, and data applicable to installation. Delete inapplicable information.
- C. Drawings: Supplement product data to illustrate relations of component parts of equipment and systems, to show control and flow diagrams. Do not use Project Record Documents as maintenance drawings.
- D. Typed Text: As required to supplement product data. Provide logical sequence of instructions for each procedure, incorporating manufacturer's instructions.

## 3.04 OPERATION AND MAINTENANCE DATA FOR MATERIALS AND FINISHES

- A. For Each Product, Applied Material, and Finish:
  - 1. Product data, with catalog number, size, composition, and color and texture designations.
  - 2. Information for re-ordering custom manufactured products.
- B. Instructions for Care and Maintenance: Manufacturer's recommendations for cleaning agents and methods, precautions against detrimental cleaning agents and methods, and recommended schedule for cleaning and maintenance.
- C. Moisture protection and weather-exposed products: Include product data listing applicable reference standards, chemical composition, and details of installation. Provide recommendations for inspections, maintenance, and repair.
- D. Additional information as specified in individual product specification sections.
- E. Where additional instructions are required, beyond the manufacturer's standard printed instructions, have instructions prepared by personnel experienced in the operation and maintenance of the specific products.

#### 3.05 OPERATION AND MAINTENANCE DATA FOR EQUIPMENT AND SYSTEMS

- A. For Each Item of Equipment and Each System:
  - 1. Description of unit or system, and component parts.
  - 2. Identify function, normal operating characteristics, and limiting conditions.
  - 3. Include performance curves, with engineering data and tests.
  - 4. Complete nomenclature and model number of replaceable parts.
- B. Where additional instructions are required, beyond the manufacturer's standard printed instructions, have instructions prepared by personnel experienced in the operation and maintenance of the specific products.
- C. Panelboard Circuit Directories: Provide electrical service characteristics, controls, and communications; typed.
- D. Include color coded wiring diagrams as installed.
- E. Operating Procedures: Include start-up, break-in, and routine normal operating instructions and sequences. Include regulation, control, stopping, shut-down, and emergency instructions. Include

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- summer, winter, and any special operating instructions.
- F. Maintenance Requirements: Include routine procedures and guide for preventative maintenance and trouble shooting; disassembly, repair, and reassembly instructions; and alignment, adjusting, balancing, and checking instructions.
- G. Provide servicing and lubrication schedule, and list of lubricants required.
- H. Include manufacturer's printed operation and maintenance instructions.
- I. Include sequence of operation by controls manufacturer.
- J. Provide original manufacturer's parts list, illustrations, assembly drawings, and diagrams required for maintenance.
- K. Provide control diagrams by controls manufacturer as installed.
- L. Provide charts of valve tag numbers, with location and function of each valve, keyed to flow and control diagrams.
- M. Provide list of original manufacturer's spare parts, current prices, and recommended quantities to be maintained in storage.
- N. Include test and balancing reports.
- O. Additional Requirements: As specified in individual product specification sections.

#### 3.06 ASSEMBLY OF OPERATION AND MAINTENANCE MANUAL

- A. Assemble operation and maintenance data into a single electronic "manual" file in Adobe PDF file format for Owner's personnel use, with data arranged in the same sequence as, and bookmarked by, the specification sections.
  - 1. Media: USB flash drive of capacity sufficient to store entire PDF file, fragmented.
  - 2. Attach a tag or label flash drive with Project name, date, and the title "O&M Manual".
- B. Organization and Arrangement of Contents: Arrange the contents of the "manual" file in using the following hierarchical system and create a corresponding hierarchy of Bookmarks in the file:
  - 1. Project Title Page.
  - 2. Project Directory.
  - 3. Table of Contents:
  - 4. Project Warranties.
    - a. Division 01 General
      - 1) General Contractor's Warranty.
      - 2) Record Drawings (marked-up version of A/E Drawings).
      - 3) Record Specifications (marked up version of A/E Specifications).
    - b. Division 02
      - 1) [One Bookmark for each Specification section number and name where a warranty is required.]
      - 2) [Continue for each applicable Specification section.]
    - c. [Continue for each applicable Division.]
  - 5. Record Documents.
    - Record Drawings (marked-up version of A/E Drawings).
    - b. Record Specifications (marked up version of A/E Specifications).

- c. [Continue for each Division.]
- 6. Operation and Maintenance Data.
  - a. Division 06
    - 1) [One Bookmark for each Specification section number and name where a O&M data is required.]
    - 2) [Continue for each applicable Specification section.]
  - b. [Continue for each applicable Division.]
- C. Where systems involve more than one Specification Section, provide separate Bookmark and content for each Specification Section.
- D. Prepare instructions and data by personnel experienced in maintenance and operation of described products.
- E. Prepare data in the form of an instructional manual.
- F. Cover Page: Populate the first page of the PDF file with: printed title "OPERATION AND MAINTENANCE MANUAL; identify title of Project; identify subject matter of contents.
- G. Project Directory: Beginning on the second page of the PDF file, provide Title and address of Project. Provide, for Architect/Engineer, Consultants, Contractor, subcontractors and major suppliers: the business name, address, telephone number(s), email address(es), contact name(s) of responsible individual(s) knowledgeable about the Project, and a brief description of the responsibility or contribution of the business to the Project.
- H. Table of Contents: List every item using the same identification as in the title of the Bookmark, in the sequence of the Table of Contents of the Project Manual, with each item identified with the number and title of the specification section in which specified, and the name of product or work item
- I. Bookmarks: Hierarchically under each Specification Section, further Bookmark each separate product and system; identify the contents in the title of the Bookmark; on the Bookmarked page provide a description of product and major component parts of equipment.
- J. Content: Manufacturer's printed data, legibly scanned, in color where applicable, at 300 dpi (minimum) resolution.
- K. Drawings: Legibly scanned, in color where applicable, at 300 dpi (minimum) resolution; PDF file page size to match native sheet size of original drawing.

#### **END OF SECTION**

# **SECTION 01 79 00** DEMONSTRATION AND TRAINING

# PART 1 GENERAL

#### 1.01 SUMMARY

- A. Demonstration of products and systems where indicated in specific specification sections.
- B. Training of Owner personnel in operation and maintenance is required for:
  - 1. All software-operated systems.
  - 2. HVAC systems and equipment.
  - 3. Electrical systems and equipment.
  - 4. Items specified in individual product Sections.

#### 1.02 RELATED REQUIREMENTS

A. Section 01 78 00 - Closeout Submittals: Operation and maintenance manuals.

#### 1.03 SUBMITTALS

- A. Training Plan: Owner will designate personnel to be trained; tailor training to needs and skill-level of attendees.
  - 1. Submit to Architect/Engineer for transmittal to Owner.
  - 2. Submit not less than two weeks prior to start of training.
  - 3. Revise and resubmit until acceptable.
  - 4. Provide an overall schedule showing all training sessions.
  - 5. Include at least the following for each training session:
    - a. Identification, date, time, and duration.
    - b. Description of products and/or systems to be covered.
    - c. Name of firm and person conducting training; include qualifications.
    - d. Intended audience, such as job description.
    - e. Objectives of training and suggested methods of ensuring adequate training.
    - f. Methods to be used, such as classroom lecture, live demonstrations, hands-on, etc.
    - g. Media to be used, such a slides, hand-outs, etc.
    - h. Training equipment required, such as projector, projection screen, etc., to be provided by Contractor.
- B. Training Manuals: Provide training manual for each attendee; allow for minimum of two attendees per training session.
  - 1. Include applicable portion of O&M manuals.
  - 2. Include copies of all hand-outs, slides, overheads, video presentations, etc., that are not included in O&M manuals.
  - 3. Provide one extra copy of each training manual to be included with operation and maintenance data.

# C. Training Reports:

- 1. Identification of each training session, date, time, and duration.
- 2. Sign-in sheet showing names and job titles of attendees.
- 3. List of attendee questions and written answers given, including copies of and references to supporting documentation required for clarification; include answers to questions that could not be answered in original training session.

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## 1.04 QUALITY ASSURANCE

- A. Instructor Qualifications: Familiar with design, operation, maintenance and troubleshooting of the relevant products and systems.
  - 1. Provide as instructors the most qualified trainer of those contractors and/or installers who actually supplied and installed the systems and equipment.
  - 2. Where a single person is not familiar with all aspects, provide specialists with necessary qualifications.

#### PART 2 PRODUCTS - NOT USED

## PART 3 EXECUTION

# 3.01 DEMONSTRATION - GENERAL

- A. Demonstrations conducted during system start-up do not qualify as demonstrations for the purposes of this section, unless approved in advance by Owner.
- B. Demonstration may be combined with Owner personnel training if applicable.
- C. Operating Equipment and Systems: Demonstrate operation in all modes, including start-up, shutdown, seasonal changeover, emergency conditions, and troubleshooting, and maintenance procedures, including scheduled and preventive maintenance.
  - 1. Perform demonstrations not less than two weeks prior to Substantial Completion.
  - 2. For equipment or systems requiring seasonal operation, perform demonstration for other season within six months.
- D. Non-Operating Products: Demonstrate cleaning, scheduled and preventive maintenance, and repair procedures.
  - 1. Perform demonstrations not less than two weeks prior to Substantial Completion.

## 3.02 TRAINING - GENERAL

- A. Conduct training on-site unless otherwise indicated.
- B. Owner will provide classroom and seating at no cost to Contractor.
- C. Provide training in minimum two hour segments.
- D. Training schedule will be subject to availability of Owner's personnel to be trained; re-schedule training sessions as required by Owner; once schedule has been approved by Owner failure to conduct sessions according to schedule will be cause for Owner to charge Contractor for personnel "show-up" time.
- E. Review of Facility Policy on Operation and Maintenance Data: During training discuss:
  - 1. The location of the O&M manuals and procedures for use and preservation; backup copies.
  - 2. Typical contents and organization of all manuals, including explanatory information, system narratives, and product specific information.
  - 3. Typical uses of the O&M manuals.
- F. Product- and System-Specific Training:
  - 1. Review the applicable O&M manuals.
  - 2. For systems, provide an overview of system operation, design parameters and constraints, and operational strategies.

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- 3. Review instructions for proper operation in all modes, including start-up, shut-down, seasonal changeover and emergency procedures, and for maintenance, including preventative maintenance.
- 4. Provide hands-on training on all operational modes possible and preventive maintenance.
- 5. Emphasize safe and proper operating requirements; discuss relevant health and safety issues and emergency procedures.
- 6. Discuss common troubleshooting problems and solutions.
- 7. Discuss any peculiarities of equipment installation or operation.
- 8. Discuss warranties and guarantees, including procedures necessary to avoid voiding coverage.
- 9. Review recommended tools and spare parts inventory suggestions of manufacturers.
- 10. Review spare parts and tools required to be furnished by Contractor.
- 11. Review spare parts suppliers and sources and procurement procedures.
- G. Be prepared to answer questions raised by training attendees; if unable to answer during training session, provide written response within three days.

## **END OF SECTION**

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# **SECTION 02 41 00** DEMOLITION

#### PART 1 GENERAL

#### 1.01 SECTION INCLUDES

A. Selective demolition of building elements for alteration purposes.

## 1.02 RELATED REQUIREMENTS

- A. Section 01 10 00 Summary: Limitations on Contractor's use of site and premises.
- B. Section 01 10 00 Summary: Description of items to be salvaged or removed for re-use by Contractor.
- C. Section 01 50 00 Temporary Facilities and Controls: Site fences, security, protective barriers, and waste removal.
- D. Section 01 60 00 Product Requirements: Handling and storage of items removed for salvage and relocation.
- E. Section 01 70 00 Execution and Closeout Requirements: Project conditions; protection of bench marks, survey control points, and existing construction to remain; reinstallation of removed products; temporary bracing and shoring.

## 1.03 REFERENCE STANDARDS

- A. 29 CFR 1926 Safety and Health Regulations for Construction Current Edition.
- B. NFPA 241 Standard for Safeguarding Construction, Alteration, and Demolition Operations 2022, with Errata (2021).

# 1.04 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements for submittal procedures.
- B. Site Plan: Indicate:
  - 1. Areas for temporary construction and field offices.
- C. Project Record Documents: Accurately record actual locations of capped and active utilities and subsurface construction.

# 1.05 QUALITY ASSURANCE

- A. Demolition Firm Qualifications: Company specializing in the type of work required.
  - 1. Minimum of 3 years of documented experience.

## PART 2 PRODUCTS -- NOT USED

## PART 3 EXECUTION

## 3.01 DEMOLITION

A. Remove other items indicated, for salvage, relocation, and recycling.

**SECTION 02 41 00** Project No. 23-471-1466 02 41 00 - 1 **DEMOLITION** 

# 3.02 GENERAL PROCEDURES AND PROJECT CONDITIONS

- A. Comply with requirements in Section 01 70 00.
- B. Comply with applicable codes and regulations for demolition operations and safety of adjacent structures and the public.
  - 1. Obtain required permits.
  - 2. Comply with applicable requirements of NFPA 241.
  - 3. Use of explosives is not permitted.
  - 4. Take precautions to prevent catastrophic or uncontrolled collapse of structures to be removed; do not allow worker or public access within range of potential collapse of unstable structures.
  - 5. Provide, erect, and maintain temporary barriers and security devices.
  - 6. Use physical barriers to prevent access to areas that could be hazardous to workers or the public.
  - 7. Conduct operations to minimize effects on and interference with adjacent structures and occupants.
  - 8. Do not close or obstruct roadways or sidewalks without permits from authority having jurisdiction.
  - 9. Conduct operations to minimize obstruction of public and private entrances and exits. Do not obstruct required exits at any time. Protect persons using entrances and exits from removal operations.
- C. Do not begin removal until receipt of notification to proceed from Owner.
- D. Do not begin removal until built elements to be salvaged or relocated have been removed.
- E. Do not begin removal until vegetation to be relocated has been removed and vegetation to remain has been protected from damage.
- F. Protect existing structures and other elements to remain in place and not removed.
  - 1. Provide bracing and shoring.
  - 2. Prevent movement or settlement of adjacent structures.
  - 3. Stop work immediately if adjacent structures appear to be in danger.
- G. Minimize production of dust due to demolition operations. Do not use water if that will result in ice, flooding, sedimentation of public waterways or storm sewers, or other pollution.
- H. Perform demolition in a manner that maximizes salvage and recycling of materials.
  - 1. Dismantle existing construction and separate materials.
  - 2. Set aside reusable, recyclable, and salvageable materials; store and deliver to collection point or point of reuse.

# 3.03 EXISTING UTILITIES

- A. Coordinate work with utility companies. Notify utilities before starting work, comply with their requirements, and obtain required permits.
- B. Protect existing utilities to remain from damage.
- C. Do not disrupt public utilities without permit from authority having jurisdiction.
- D. Do not close, shut off, or disrupt existing life safety systems that are in use without at least 7 days prior written notification to Owner.

Project No. 23-471-1466 **SECTION 02 41 00** 02 41 00 - 2 **DEMOLITION**  E. Do not close, shut off, or disrupt existing utility branches or take-offs that are in use without at least 3 days prior written notification to Owner.

## 3.04 SELECTIVE DEMOLITION FOR ALTERATIONS

- A. Existing construction and utilities indicated on drawings are based on casual field observation and existing record documents only.
  - 1. Verify construction and utility arrangements are as indicated.
  - 2. Report discrepancies to Architect/Engineer before disturbing existing installation.
  - 3. Beginning of demolition work constitutes acceptance of existing conditions that would be apparent upon examination prior to starting demolition.
- B. Locate and mark piping, ducts, duct banks and conduits within and beneath slabs on grade prior to performing sawcutting and removal of slabs on grade.
- C. Separate areas in which demolition is being conducted from areas that remain occupied.
  - 1. Provide, erect, and maintain temporary dustproof partitions of construction specified in Section 01 50 00 .
- D. Maintain weatherproof exterior building enclosure, except for interruptions required for replacement or modifications; prevent water and humidity damage.
- E. Remove existing work as indicated and required to accomplish new work.
  - 1. Remove rotted wood, corroded metals, and deteriorated masonry and concrete; replace with new construction indicated.
  - 2. Remove items indicated on drawings.
- F. Services including, but not limited to, HVAC, Plumbing, Fire Protection, Electrical, and Telecommunications: Remove existing systems and equipment as indicated.
  - 1. Maintain existing active systems to remain in operation, and maintain access to equipment and operational components.
  - 2. Where existing active systems serve occupied facilities but are to be replaced with new services, maintain existing systems in service until new systems are complete and ready for service.
  - 3. Verify that abandoned services serve only abandoned facilities before removal.
  - 4. Remove abandoned pipe, ducts, conduits, and equipment, including those above accessible ceilings. Remove back to source of supply where possible, otherwise cap stub and tag with identification.
- G. Protect existing work to remain.
  - 1. Prevent movement of structure. Provide shoring and bracing as required.
  - 2. Perform cutting to accomplish removal work neatly and as specified for cutting new work.
  - 3. Repair adjacent construction and finishes damaged during removal work.
  - 4. Patch to match new work.

#### 3.05 DEBRIS AND WASTE REMOVAL

- A. Remove debris, junk, and trash from site.
- B. Leave site in clean condition, ready for subsequent work.

**SECTION 02 41 00** Project No. 23-471-1466 02 41 00 - 3 **DEMOLITION**  C. Clean up spillage and wind-blown debris from public and private lands.

# **END OF SECTION**

# SECTION 04 20 00 UNIT MASONRY

# **PART 1 GENERAL**

#### 1.01 SECTION INCLUDES

- Concrete block.
- B. Mortar and grout.
- C. Reinforcement and anchorage.
- D. Flashings.
- E. Masonry Lintels.
- F. Installation of items furnished under other Sections for embedment in masonry.
- G. Accessories.

#### 1.02 RELATED REQUIREMENTS

- A. Section 01 40 00 Quality Requirements.
- B. Section 05 50 00 Metal Fabrications: Loose steel lintels, bearing plates and other miscellaneous metal items for embedment in masonry.
- C. Section 07 21 00 Thermal Insulation: Insulation for cavity spaces.
- D. Section 07 92 00 Joint Sealants: Sealing control and expansion joints.

## 1.03 REFERENCE STANDARDS

- A. ASTM A153/A153M Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware 2016a.
- B. ASTM A615/A615M Standard Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement 2022.
- C. ASTM A641/A641M Standard Specification for Zinc-Coated (Galvanized) Carbon Steel Wire 2019.
- D. ASTM A951/A951M Standard Specification for Steel Wire for Masonry Joint Reinforcement 2022.
- E. ASTM A1064/A1064M Standard Specification for Carbon-Steel Wire and Welded Wire Reinforcement, Plain and Deformed, for Concrete 2022.
- F. ASTM C90 Standard Specification for Loadbearing Concrete Masonry Units 2022.
- G. ASTM C140/C140M Standard Test Methods for Sampling and Testing Concrete Masonry Units and Related Units 2022c.
- H. ASTM C144 Standard Specification for Aggregate for Masonry Mortar 2018.
- I. ASTM C150/C150M Standard Specification for Portland Cement 2022.
- J. ASTM C207 Standard Specification for Hydrated Lime for Masonry Purposes 2018.

- K. ASTM C212 Standard Specification for Structural Clay Facing Tile 2022.
- L. ASTM C216 Standard Specification for Facing Brick (Solid Masonry Units Made from Clay or Shale) 2022.
- M. ASTM C270 Standard Specification for Mortar for Unit Masonry 2019a, with Editorial Revision.
- N. ASTM C404 Standard Specification for Aggregates for Masonry Grout 2018.
- O. ASTM C476 Standard Specification for Grout for Masonry 2023.
- P. ASTM C979/C979M Standard Specification for Pigments for Integrally Colored Concrete 2016.
- Q. TMS 402/602 Building Code Requirements and Specification for Masonry Structures 2022.
- R. Standard Practice for Bracing Masonry Walls Under Construction Mason Contractors Association of America.

# 1.04 ADMINISTRATIVE REQUIREMENTS

A. Preinstallation Meeting: Convene a preinstallation meeting one week before starting work of this section; require attendance by all relevant installers.

## 1.05 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements for submittal procedures.
- B. Product Data: Provide data for masonry units, fabricated wire reinforcement, mortar, and masonry accessories.
- C. Manufacturer's Certificate: Certify that masonry units meet or exceed specified requirements.

## 1.06 QUALITY ASSURANCE

- A. Comply with provisions of TMS 402/602, except where exceeded by requirements of Contract Documents.
- B. Source Limitations For Masonry Units: Obtain masonry units of a uniform texture, color and blend (within the range acceptable for each characteristic) through one source from a single manufacturer for each product required.
- C. Source Limitations For Mortar Materials: Obtain mortar components of a uniform quality from one manufacturer for each component and from one source or producer.

## 1.07 DELIVERY, STORAGE, AND HANDLING

- A. Deliver, handle, and store masonry units by means that will prevent mechanical damage and contamination by other materials.
- B. Deliver packaged materials in manufacturers' original containers, with labels and markings intact and legible.

## PART 2 PRODUCTS

## 2.01 CONCRETE MASONRY UNITS

A. Concrete Block: Comply with referenced standards and as follows:

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- 1. Size: Standard units with nominal face dimensions of 16 by 6 inches and nominal depths as indicated on drawings for specific locations.
- 2. Special Shapes: Provide nonstandard blocks configured for corners.
  - a. Exterior corners of intersecting walls: Bullnose.
- 3. All Units: ASTM C90, medium or lightweight, at contractor's discretion. Unit Compressive Strength: 2150 psi.
  - a. Both hollow and solid block, as indicated.
  - b. Exposed Faces: Manufacturer's standard color and texture where indicated.
  - c. Manufacturers:
    - 1) The Concrete Products Group; Spec-Brik: www.concreteproductsgroup.com/#sle.
    - 2) Substitutions: See Section 01 60 00 Product Requirements.

## 2.02 MORTAR AND GROUT MATERIALS

- A. Portland Cement: ASTM C150/C150M, Type I; color as required to produce approved color sample.
  - 1. Hydrated Lime: ASTM C207, Type S.
  - 2. Mortar Aggregate: ASTM C144.
  - 3. Grout Aggregate: ASTM C404.
- B. Pigments for Colored Mortar: Pure, concentrated mineral pigments specifically intended for mixing into mortar and complying with ASTM C979/C979M.
  - 1. Color(s): As selected by Architect/Engineer from manufacturer's full range.
  - 2. Manufacturers:
- C. Water: Clean and potable.
- D. Admixtures:
  - 1. Air-entraining admixtures or cementitious materials containing air-entraining admixtures are not permitted in mortar.
  - 2. Anti-freeze compounds or other substances used to lower the freezing point of mortar or grout are not permitted.
  - 3. Admixtures containing calcium chloride are not permitted.
- E. Accelerating Admixture: Nonchloride type for use in cold weather.
- F. Moisture-Resistant Admixture: Water repellent compound designed to reduce capillarity.

#### 2.03 REINFORCEMENT AND ANCHORAGE

- A. Manufacturers:
  - 1. Blok-Lok Limited: www.blok-lok.com.
  - 2. Hohmann & Barnard, Inc: www.h-b.com/#sle.
  - 3. WIRE-BONDwww.wirebond.com/#sle.
- B. Reinforcing Steel: ASTM A615/A615M, Grade 60 (60,000 psi), deformed billet bars; uncoated.
- C. Single Wythe Joint Reinforcement: ASTM A951/A951M.
  - 1. Type: Truss.
  - 2. Material: ASTM A1064/A1064M steel wire, mill galvanized to ASTM A641/A641M Class 3.
  - 3. Size: 0.1483 inch side rods with 0.1483 inch cross rods; width as required to provide not less than 5/8 inch of mortar coverage on each exposure.

- D. Cavity Wall Joint Reinforcement: ASTM A951/A951M.
  - 1. Type: Ladder, with adjustable ties or tabs spaced at 16 in on center.
  - Material: ASTM A1064/A1064M steel wire, hot dip galvanized after fabrication to ASTM A153/A153M Class B.
  - 3. Size: 0.1875 inch side rods with 0.1483 inch cross rods and adjustable components of 0.1875 inchwire, width of components as required to provide not less than 5/8 inch of mortar coverage from each masonry face.
- E. Strap Anchors: Bent steel shapes, 1-1/2 inch width, 0.105 inch thick, 24 inch length, with 1-1/2 inch long, 90 degree bend at each end to form a U or Z shape or with cross pins, hot dip galvanized to ASTM A153/A153M Class B.
- F. Flexible Anchors: 2-piece anchors that permit differential movement between masonry and building frame, sized to provide not less than 5/8 inch of mortar coverage from masonry face.
  - 1. Steel frame: Crimped wire anchors for welding to frame, 0.25 inch thick, with trapezoidal wire ties 0.1875 inch thick, hot dip galvanized to ASTM A 153/A 153M, Class B.
- G. Residential Wall Ties: Corrugated formed sheet metal, 7/8 inch wide by 0.05 inch thick, hot dip galvanized to ASTM A 153/A 153M, Class B, sized to extend at least 1-1/2 inches into the veneer with at least 5/8 inch of mortar coverage from masonry face.
- H. Two-Piece Wall Ties: Formed steel wire, 0.1875 inch thick, adjustable, eye and pintle type, hot dip galvanized to ASTM A 153/A 153M, Class B, sized to provide not less than 5/8 inch of mortar coverage from masonry face and to allow vertical adjustment of up to 1-1/4 in.
- I. Dovetail Anchor Slot and Ties: Slot: 22 gage, 1 inch x 1 inch x 5/8 inch, mill galvanized. Tie: 12 gage clip wire tie, mill galvanized.
- J. Masonry Veneer Anchors: 2-piece anchors that permit differential movement between masonry veneer and structural backup, hot dip galvanized to ASTM A 153/A 153M, Class B.
  - 1. Anchor plates: Not less than 0.075 inch thick, designed for fastening to structural backup through sheathing by two fasteners; provide design with legs that penetrate sheathing and insulation to provide positive anchorage.
  - 2. Wire ties: Manufacturer's standard shape, 0.1875 inch thick.
  - 3. Vertical adjustment: Not less than 3-1/2 inches.

#### 2.04 ACCESSORIES

- A. Preformed Control Joints: Rubber material conforming to ASTM D2000; 2-5/8 inches wide. Provide with corner and tee accessories, fused joints.
  - 1. Manufacturers:
    - a. Hohmann & Barnard, Inc (including Blok-Lok and Dur-O-Wal brands); Product #RS-Standard or #DA2001: www.h-b.com.
    - b. WIRE-BOND; Product #2901: www.wirebond.com.
    - c. Heckmann Building Products, Inc.; #352-10: www.heckmannbuildingprods.com.
- B. Joint Filler: Closed cell neoprene; oversized 50 percent to joint width; self expanding; with pressure-sensitive adhesive on one side; 3 inch wide x by maximum lengths available.
  - 1. Manufacturers:
    - a. Hohmann & Barnard, Inc (including Blok-Lok and Dur -O-Wal brands); Product #NSTA or Rapid Expansion Joint DA2015: www.h-b.com.

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- b. WIRE-BOND; Product #3300 Expansion Joint: www.wirebond.com.
- C. Cleaning Solution: Non-acidic, not harmful to masonry work or adjacent materials.

## 2.05 MORTAR AND GROUT MIXING

- A. Mortar for Unit Masonry: ASTM C270, using the Proportion Specification.
  - 1. Masonry below grade and in contact with earth: Type M.
  - 2. Exterior, loadbearing masonry: Type N.
  - 3. Exterior, non-loadbearing masonry: Type N.
  - 4. Interior, loadbearing masonry: Type N.
  - 5. Interior, non-loadbearing masonry: Type N.
- B. Colored Mortar: Proportion selected pigments and other ingredients to match Architect/Engineer's sample, without exceeding manufacturer's recommended pigment-to-cement ratio.
- C. Grout: ASTM C 476. Consistency required to fill completely volumes indicated for grouting; fine grout for spaces with smallest horizontal dimension of 2 inches or less; coarse grout for spaces with smallest horizontal dimension greater than 2 inches. Grout strength to be 2500 psi at 28 days.
- D. Mixing: Use mechanical batch mixer and comply with referenced standards.

#### PART 3 EXECUTION

#### 3.01 EXAMINATION

- A. Verify that field conditions are acceptable and are ready to receive masonry.
- B. Verify that related items provided under other sections are properly sized and located.
- C. Verify that built-in items are in proper location, and ready for roughing into masonry work.

## 3.02 PREPARATION

- A. Direct and coordinate placement of metal anchors supplied for installation under other sections.
- B. Temporary Bracing: Provide temporary support and bracing as required for stability, safety and proper performance of masonry during installation of masonry work. Maintain in place until connections and structural elements providing permanent bracing are fully erected and installed and have achieved full strength.
- C. Protection: Cover tops of completed and partially completed walls, projections and sills with waterproof sheeting at the end of each day's work, and maintain protection even when masonry work is not in progress. Extend sheeting minimum 48 inches down both sides of walls and hold sheeting securely in place.
- D. Prevent grout, mortar and soil from staining the face of masonry to be left exposed to view, whether scheduled to be painted or not. Immediately remove grout, mortar and soil that come in contact with such masonry.

#### 3.03 COLD AND HOT WEATHER REQUIREMENTS

A. Comply with requirements of TMS 402/602 or applicable building code, whichever is more stringent.

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## 3.04 COURSING

- A. Establish lines, levels, and coursing indicated. Protect from displacement.
- B. Maintain masonry courses to uniform dimension. Form vertical and horizontal joints of uniform thickness.
- C. Concrete Masonry Units:
  - 1. Bond: Running.
  - 2. Coursing: One unit and one mortar joint to equal 8 inches.
  - 3. Mortar Joints: Concave; provide other joint types where indicated on the Drawings.

## 3.05 PLACING AND BONDING

- A. Combine concrete masonry units and mortar to achieve a net masonry prism strength (fm) of 1500 psi.
- B. Lay solid masonry units in full bed of mortar, with full head joints, uniformly jointed with other work.
- C. Lay hollow masonry units with face shell bedding on head and bed joints.
- D. Buttering corners of joints or excessive furrowing of mortar joints is not permitted.
- E. Remove excess mortar, mortar droppings and mortar smears as work progresses.
- F. Remove excess mortar with water repellent admixture promptly. Do not use acids, sandblasting or high pressure cleaning methods.
- G. Interlock intersections and external corners.
- H. Do not shift or tap masonry units after mortar has achieved initial set. Where adjustment must be made, remove mortar and replace.
- I. Perform job site cutting of masonry units with proper tools to provide straight, clean, unchipped edges. Prevent broken masonry unit corners or edges.
- J. Cut mortar joints flush where wall tile is scheduled or resilient base is scheduled.
- K. Isolate masonry partitions from vertical structural framing members with a control joint.
- L. Isolate top joint of masonry partitions from horizontal structural framing members and slabs or decks with compressible joint filler.
- M. Build cavity and multi-wythe walls to full thickness shown (adjust cavity space).
- N. Build and verify dimensions for chases and pockets for built-in items according to trade contractor and equipment requirements. Notify Architect of any discrepancies between requirements and drawings.

# 3.06 REINFORCEMENT AND ANCHORAGE - GENERAL AND SINGLE WYTHE MASONRY

- A. Unless otherwise indicated on drawings or specified under specific wall type, install horizontal joint reinforcement 16 inches on center.
- B. Place masonry joint reinforcement in first and second horizontal joints above and below openings. Extend minimum 16 inches each side of opening.

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- C. Place continuous joint reinforcement in first and second joint below top of walls.
- D. Lap joint reinforcement ends minimum 6 inches.
- E. Fasten anchors to structural framing and embed in masonry joints as masonry is laid. Unless otherwise indicated on drawings or closer spacing is indicated under specific wall type, space anchors at maximum of 24 inches horizontally and 16 inches vertically.

## 3.07 LINTELS

- A. Install loose steel lintels over openings scheduled on the Drawings.
- B. Provide reinforced precast or formed-in-place unit masonry lintels over openings more than 12 inches wide where steel or precast concrete lintels are not scheduled. Use "U" shaped masonry units
  - 1. Openings to 42 inches: Place two, No. 4 reinforcing bars 1 inch from bottom web.
  - 2. Openings from 42 inches to 78 inches: Place two, No. 5 reinforcing bars 1 inch from bottom web
  - 3. Openings over 78 inches: Reinforce openings as detailed.
  - 4. Do not splice reinforcing bars.
  - 5. Support and secure reinforcing bars from displacement. Maintain position within 1/2 inch of dimensioned position.
  - 6. Place and consolidate grout fill without displacing reinforcing.
  - 7. Allow masonry lintels to attain specified strength before handling and installation of precast lintels and before removing temporary supports from formed-in-place lintels.

## 3.08 GROUTED COMPONENTS

- A. Reinforce bond beams with 2, No. 4 bars, 1 inch from bottom web u.n.o.
- B. Lap splices to be as noted on the drawings.
- C. Support and secure reinforcing bars from displacement. Maintain position within 1/2 inch of dimensioned position.
- D. Place and consolidate grout fill without displacing reinforcing.
- E. At bearing locations, fill masonry cores with grout for a minimum 12 inches either side of opening.

# 3.09 CONTROL AND EXPANSION JOINTS

- A. Do not continue horizontal joint reinforcement through control or expansion joints.
- B. Run continuous horizontal bond beam reinforcing through control joints unless noted otherwise on drawings.
- C. Install preformed control joint device in continuous lengths. Seal butt and corner joints in accordance with manufacturer's instructions.
- D. Size control joint in accordance with Section 07 92 00 for sealant performance.
- E. Form expansion joint as detailed on drawings.
- F. Provide control and expansion joints as indicated on the drawings and at the following locations:
  - 1. Changes in wall height.

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- 2. Changes in wall thickness.
- 3. Changes in material types.
- 4. Changes in environmental exposure.
- 5. Above movement joints in foundations and floors.
- 6. Below movement joints in roofs and floors.
- 7. Near one or both sides of door and window openings.
- 8. At offsets and setbacks.
- 9. At a maximum horizontal spacing of 25 feet.

#### 3.10 BUILT-IN WORK

- A. As work progresses, install built-in metal door frames, glazed frames, anchor bolts, and plates and other items to be built into the work and furnished under other sections.
- B. Install built-in items plumb, level, and true to line.
- C. Bed anchors of metal door and glazed frames in adjacent mortar joints. Fill frame voids solid with
  - 1. Fill adjacent masonry cores with grout minimum 12 inches from framed openings.
- D. Do not build into masonry construction organic materials that are subject to deterioration.
- E. Coordinate with trade contractors for elements and openings in walls (plumbing, electrical, ductwork, etc.).

## 3.11 TOLERANCES

- A. Maximum Variation from Alignment of Columns: 1/4 inch.
- B. Maximum Variation From Unit to Adjacent Unit: 1/32 inch.
- C. Maximum Variation from Plane of Wall: 1/4 inch in 10 ft and 1/2 inch in 20 ft or more.
- D. Maximum Variation from Plumb: 1/4 inch per story non-cumulative; 1/2 inch in two stories or more.
- E. Maximum Variation from Level Coursing: 1/8 inch in 3 ft and 1/4 inch in 10 ft; 1/2 inch in 30 ft.
- F. Maximum Variation of Mortar Joint Thickness: Head joint, minus 1/4 inch, plus 3/8 inch.
- G. Maximum Variation from Cross Sectional Thickness of Walls: 1/4 inch.

# 3.12 CUTTING AND FITTING

- A. Cut and fit for pipes, ducts, sleeves, ducts, and ducts. Coordinate with other sections of work to provide correct size, shape, and location.
- B. Obtain Architect/Engineer approval prior to cutting or fitting masonry work not indicated or where appearance or strength of masonry work may be impaired.

#### 3.13 FIELD QUALITY CONTROL

- A. An independent testing agency will perform field quality control tests, as specified in Section 01 40 00 - Quality Requirements.
- B. Provide free access to masonry operations at project site and cooperate with the appointed firm.

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#### 3.14 CLEANING

- A. Remove excess mortar, mortar smears and mortar droppings.
- B. Replace defective mortar. Match adjacent work.
- C. Clean soiled surfaces with cleaning solution.
- D. Use non-metallic tools in cleaning operations.

#### 3.15 SEALER APPLICATION FOR GROUND FACE MASONRY

- A. Preparation:
  - 1. Protect surrounding surfaces from product spray, splash and residue.
  - 2. Verify surfaces to be treated are clean, dry and free of contaminants.
  - 3. Verify that joint sealants are complete in place and fully cured.

# B. Application:

- 1. Test ground face masonry surfaces in inconspicuous locations for suitability and desired results.
- 2. Apply specified sealer to ground face concrete masonry units in accordance with manufacturer's instructions and at manufacturer's recommended rates.

#### 3.16 PROTECTION

- A. Without damaging completed work, provide protective boards at exposed external corners that are subject to damage by construction activities.
- B. Cover tops of completed walls, projections and sills with waterproof sheeting until execution of subsequent portions of the Work provides weather protection for these elements. Extend sheeting minimum 48 inches down both sides and hold sheeting securely in place.
- C. Provide temporary support and bracing as required for stability, safety and proper performance of erected masonry work until connections and structural elements providing permanent bracing are fully erected and installed and have achieved full strength.
- D. Prevent soil and materials from other trades from staining the face of masonry to be left exposed to view, whether scheduled to be painted or not. Immediately remove soil and other foreign materials that come in contact with such masonry.

#### **END OF SECTION**

**SECTION 04 20 00** Project No. 23-471-1466 04 20 00 - 9 UNIT MASONRY

# **SECTION 05 50 00** METAL FABRICATIONS

## PART 1 GENERAL

#### 1.01 SECTION INCLUDES

A. Shop fabricated steel items, including: lintels.

## 1.02 RELATED REQUIREMENTS

- A. Section 04 20 00 Unit Masonry: Placement of metal fabrications in masonry.
- B. Section 09 91 23 Interior Painting: Paint finish.

## 1.03 REFERENCE STANDARDS

- A. ANSI A14.3 American National Standard for Ladders -- Fixed -- Safety Requirements 2008 (Reaffirmed 2018).
- B. ASTM A307 Standard Specification for Carbon Steel Bolts, Studs, and Threaded Rod 60 000 PSI Tensile Strength 2021.
- C. ASTM A653/A653M Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process 2022.
- D. AWS A2.4 Standard Symbols for Welding, Brazing, and Nondestructive Examination 2020.
- E. AWS D1.1/D1.1M Structural Welding Code Steel 2020, with Errata (2022).
- F. IAS AC172 Accreditation Criteria for Fabricator Inspection Programs for Structural Steel AC172 2019.
- G. SSPC-Paint 15 Steel Joist Shop Primer/Metal Building Primer 2004.
- H. SSPC-Paint 20 Zinc-Rich Coating (Type I Inorganic, and Type II Organic) 2019.
- I. SSPC-SP 2 Hand Tool Cleaning 2018.

## 1.04 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements, for submittal procedures.
- B. Shop Drawings: Indicate profiles, sizes, connection attachments, reinforcing, anchorage, size and type of fasteners, and accessories. Include erection drawings, elevations, and details where applicable.
  - 1. Indicate welded connections using standard AWS A2.4 welding symbols. Indicate net weld lengths.
- C. Product Data: Submit manufacturers' data on manufactured products showing compliance with specified requirements and installation instructions.
  - 1. Anchoring epoxy and expansion/wedge anchors.
- D. Fabricator's Qualification Statement: Provide documentation showing steel fabricator is accredited under IAS AC172.

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# 1.05 QUALITY ASSURANCE

A. Fabricator: Company holding the contract for the work of this Section must be a fabricator, not a broker, and must self-perform all the work of this Section.

## PART 2 PRODUCTS

# 2.01 FABRICATION

- A. Continuously seal joined members by continuous welds.
- B. Exposed Mechanical Fastenings: Flush countersunk screws or bolts; unobtrusively located; consistent with design of component, except where specifically noted otherwise.

#### 2.02 FABRICATED ITEMS

A. Lintels: As indicated on drawings. prime paint.

#### 2.03 FABRICATION TOLERANCES

- A. Squareness: 1/8 inch maximum difference in diagonal measurements.
- B. Maximum Offset Between Faces: 1/16 inch.
- C. Maximum Misalignment of Adjacent Members: 1/16 inch.
- D. Maximum Bow: 1/8 inch in 48 inches.
- E. Maximum Deviation From Plane: 1/16 inch in 48 inches.

## PART 3 EXECUTION

## 3.01 EXAMINATION

A. Verify that field conditions are acceptable and are ready to receive work.

#### 3.02 PREPARATION

- A. Clean and strip primed steel items to bare metal where site welding is required.
- B. Furnish setting templates to the appropriate entities for steel items required to be cast into concrete or embedded in masonry.

#### 3.03 INSTALLATION

- A. Install items plumb and level, accurately fitted, free from distortion or defects.
- B. Provide for erection loads, and for sufficient temporary bracing to maintain true alignment until completion of erection and installation of permanent attachments.
- C. Field weld components where required on drawings.
- D. Field weld components and shear studs indicated on drawings and shop drawings.
- E. Perform field welding in accordance with AWS D1.1/D1.1M.
- F. Obtain approval prior to site cutting or making adjustments not scheduled.

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 METAL FABRICATIONS

G. After erection, prime welds, abrasions and surfaces not shop primed or galvanized, except surfaces to be in contact with concrete.

# 3.04 TOLERANCES

- A. Maximum Variation From Plumb: 1/4 inch per story, non-cumulative.
- B. Maximum Offset From True Alignment: 1/4 inch.
- C. Maximum Out-of-Position: 1/4 inch.

# 3.05 SCHEDULE

- A. Interior Locations (Non-Corrosive Environments)Finish
  - 1. Lintels Primed
  - 2. Miscellaneous angles, plates, clips and shims Primed

**END OF SECTION** 

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# SECTION 06 10 00 ROUGH CARPENTRY

### PART 1 GENERAL

### 1.01 SECTION INCLUDES

- A. Roof-mounted curbs.
- B. Preservative treated wood materials.
- C. Communications and electrical room mounting boards.
- D. Concealed wood blocking, nailers, and supports.

#### 1.02 RELATED REQUIREMENTS

- A. Section 01 61 16 Volatile Organic Compound (VOC) Content Restrictions.
- B. Section 09 21 16 Gypsum Board Assemblies: Gypsum-based sheathing.

#### 1.03 REFERENCE STANDARDS

- A. ASTM A153/A153M Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware 2016a.
- B. ASTM D2898 Standard Practice for Accelerated Weathering of Fire-Retardant-Treated Wood for Fire Testing 2010 (Reapproved 2017).
- C. ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials 2023.
- D. AWPA U1 Use Category System: User Specification for Treated Wood 2022.
- E. PS 20 American Softwood Lumber Standard 2021.
- F. WWPA G-5 Western Lumber Grading Rules 2021.

# 1.04 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements for submittal procedures.

# 1.05 DELIVERY, STORAGE, AND HANDLING

- A. General: Cover wood products to protect against moisture. Support stacked products to prevent deformation and to allow air circulation.
- B. Fire Retardant Treated Wood: Prevent exposure to precipitation during shipping, storage, and installation.

#### 1.06 WARRANTY

A. See Section 01 78 00 - Closeout Submittals for additional warranty requirements.

#### PART 2 PRODUCTS

# 2.01 GENERAL REQUIREMENTS

- A. Dimension Lumber: Comply with PS 20 and requirements of specified grading agencies.
  - 1. Species: Douglas Fir-Larch, unless otherwise indicated.

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- 2. If no species is specified, provide species graded by the agency specified; if no grading agency is specified, provide lumber graded by grading agency meeting the specified requirements.
- 3. Grading Agency: Grading agency whose rules are approved by the Board of Review, American Lumber Standard Committee at www.alsc.org, and who provides grading service for the species and grade specified; provide lumber stamped with grade mark unless otherwise indicated.
- 4. Lumber of other species or grades is acceptable provided structural and appearance characteristics are equivalent to or better than products specified.
- B. Provide sustainably harvested wood; see Section 01 60 00 Product Requirements for requirements.

### 2.02 DIMENSION LUMBER FOR CONCEALED APPLICATIONS

- A. Grading Agency: Western Wood Products Association; WWPA G-5.
- B. Sizes: Nominal sizes as indicated on drawings, S4S.
- C. Moisture Content: S-dry or MC19.
- D. Miscellaneous Framing, Blocking, Nailers, Grounds, and Furring:
  - 1. Lumber: S4S, No. 2 or Standard Grade.
  - 2. Boards: Standard or No. 3.

# 2.03 ACCESSORIES

- A. Fasteners and Anchors:
  - 1. Metal and Finish: Hot-dipped galvanized steel complying with ASTM A153/A153M for high humidity and preservative-treated wood locations, unfinished steel elsewhere.

# 2.04 FACTORY WOOD TREATMENT

- A. Treated Lumber and Plywood: Comply with requirements of AWPA U1 Use Category System for wood treatments determined by use categories, expected service conditions, and specific applications.
  - 1. Fire-Retardant Treated Wood: Mark each piece of wood with producer's stamp indicating compliance with specified requirements.
  - 2. Preservative-Treated Wood: Provide lumber and plywood marked or stamped by an ALSC-accredited testing agency, certifying level and type of treatment in accordance with AWPA standards.

# B. Fire Retardant Treatment:

- Exterior Type: AWPA U1, Category UCFB, Commodity Specification H, chemically treated and pressure impregnated; capable of providing a maximum flame spread index of 25 when tested in accordance with ASTM E84, with no evidence of significant combustion when test is extended for an additional 20 minutes both before and after accelerated weathering test performed in accordance with ASTM D2898.
  - a. Kiln dry wood after treatment to a maximum moisture content of 19 percent for lumber and 15 percent for plywood.
  - b. Do not use treated wood in direct contact with the ground.
- 2. Interior Type A: AWPA U1, Use Category UCFA, Commodity Specification H, low temperature (low hygroscopic) type, chemically treated and pressure impregnated; capable of providing a

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 ROUGH CARPENTRY

maximum flame spread index of 25 when tested in accordance with ASTM E84, with no evidence of significant combustion when test is extended for an additional 20 minutes.

- Kiln dry wood after treatment to a maximum moisture content of 19 percent for lumber and 15 percent for plywood.
- b. Treat rough carpentry items as scheduled.
- c. Do not use treated wood in applications exposed to weather or where the wood may become wet.
- C. Preservative Pressure Treatment of Lumber Above Grade: AWPA U1, Use Category UC3B, Commodity Specification A using waterborne preservative.
  - 1. Kiln dry lumber after treatment to maximum moisture content of 15 percent.
  - 2. Treat lumber in contact with flashing or waterproofing.
  - 3. Treat lumber in contact with masonry or concrete.
  - 4. Treat lumber less than 18 inches above grade.
  - 5. Preservative Pressure Treatment of Plywood Above Grade: AWPA U1, Use Category UC2 and UC3B, Commodity Specification F using waterborne preservative.
    - a. Kiln dry plywood after treatment to maximum moisture content of 15 percent.
    - b. Treat plywood in contact with roofing, flashing, or waterproofing.
    - c. Treat plywood in contact with masonry or concrete.
    - d. Treat plywood less than 18 inches above grade.
- D. Restrictions: Do not use lumber or plywood treated with chromated copper arsenate (CCA) in exposed exterior applications subject to leaching.

# PART 3 EXECUTION

#### 3.01 PREPARATION

A. Coordinate installation of rough carpentry members specified in other sections.

### 3.02 INSTALLATION - GENERAL

- A. Select material sizes to minimize waste.
- B. Reuse scrap to the greatest extent possible; clearly separate scrap for use on site as accessory components, including: shims, bracing, and blocking.
- C. Where treated wood is used on interior, provide temporary ventilation during and immediately after installation sufficient to remove indoor air contaminants.

# 3.03 BLOCKING, NAILERS, AND SUPPORTS

- A. Provide framing and blocking members as indicated or as required to support finishes, fixtures, specialty items, and trim.
- B. In walls, provide blocking attached to studs as backing and support for wall-mounted items, unless item can be securely fastened to two or more studs or other method of support is explicitly indicated.
- C. Where ceiling-mounting is indicated, provide blocking and supplementary supports above ceiling, unless other method of support is explicitly indicated.
- D. Provide the following specific nonstructural framing and blocking:
  - 1. Cabinets and shelf supports.

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- 2. Wall brackets.
- 3. Handrails.
- 4. Grab bars.
- 5. Toilet accessories.
- 6. Wall-mounted door stops.
- 7. Marker and tack boards.
- 8. Joints of rigid wall coverings that occur between studs.

# 3.04 ROOF-RELATED CARPENTRY

- A. Coordinate installation of roofing carpentry with deck construction, framing of roof openings, and roofing assembly installation.
- B. Provide wood curb at each roof opening except where specifically indicated otherwise; form corners by alternating lapping side members.

# 3.05 SITE APPLIED WOOD TREATMENT

- A. Apply preservative treatment compatible with factory applied treatment at site-sawn cuts, complying with manufacturer's instructions.
- B. Allow preservative to dry prior to erecting members.

# 3.06 TOLERANCES

A. Variation from Plane, Other than Floors: 1/4 inch in 10 feet maximum, and 1/4 inch in 30 feet maximum.

# 3.07 CLEANING

- A. Waste Disposal:
  - 1. Comply with applicable regulations.
  - 2. Do not burn scrap on project site.
  - 3. Do not burn scraps that have been pressure treated.
  - 4. Do not send materials treated with pentachlorophenol, CCA, or ACA to co-generation facilities or "waste-to-energy" facilities.
- B. Do not leave wood, shavings, sawdust, etc. on the ground or buried in fill.
- C. Prevent sawdust and wood shavings from entering the storm drainage system.

# 3.08 SCHEDULE

- A. Blocking in Walls: Untreated.
- B. Communications and Electrical Room Mounting Boards: Fire-retardant treated.

# **END OF SECTION**

# **SECTION 06 41 00 CUSTOM CASEWORK**

### PART 1 GENERAL

### 1.01 SECTION INCLUDES

- A. Specially fabricated cabinet units.
- B. Hardware.
- C. Preparation for installing utilities.

### 1.02 RELATED REQUIREMENTS

- A. Section 08 80 00 Glazing: Glass for casework.
- B. Section 12 36 00 Countertops.

### 1.03 REFERENCE STANDARDS

- A. ANSI A208.1 American National Standard for Particleboard 2022.
- B. ANSI A208.2 Medium Density Fiberboard (MDF) for Interior Applications 2022.
- C. AWI/AWMAC/WI (AWS) Architectural Woodwork Standards, 2nd Edition 2014, with Errata (2016).
- D. AWMAC/WI (NAAWS) North American Architectural Woodwork Standards 2021, with Errata.
- E. NEMA LD 3 High-Pressure Decorative Laminates 2005.

# 1.04 ADMINISTRATIVE REQUIREMENTS

A. Preinstallation Meeting: Convene a preinstallation meeting not less than one week before starting work of this section; require attendance by all affected installers.

# 1.05 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements for submittal procedures.
- B. Shop Drawings: Indicate materials, component profiles and elevations, assembly methods, fastening methods, jointing details, and accessories, hardware locations and schedule of finishes.
  - 1. Scale of Drawings: 1-1/2 inch to 1 foot, minimum.
  - 2. Provide information as required by AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS).
- C. Product Data: Provide data for hardware accessories.
- D. Samples: Submit actual sample items of proposed pulls, hinges, shelf standards, and locksets, demonstrating hardware design, quality, and finish.
- E. Fabricator's Qualifications Statement.

# 1.06 QUALITY ASSURANCE

- A. Fabricator Qualifications: Company specializing in fabricating the products specified in this section with minimum five years of documented experience.
  - 1. Company with at least one project in the past 5 years with value of woodwork within 20 percent of cost of woodwork for this Project.

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# 1.07 DELIVERY, STORAGE, AND HANDLING

- A. Reject and return to fabricator units that are missing hardware components.
- B. Protect units from moisture damage.

# 1.08 FIELD CONDITIONS

A. During and after installation of custom cabinets, maintain temperature and humidity conditions in building spaces at same levels planned for occupancy.

# PART 2 PRODUCTS

#### 2.01 CABINETS

- A. Quality Standard: Custom Grade, in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), unless noted otherwise.
- B. Premanufactured Alternative: Subject to compliance with all requirements of this Section, Premanufactured Wood Casework is acceptable for casework components.
- C. Cabinets:
  - 1. Finish Exposed Exterior Surfaces: Decorative laminate.
  - 2. Finish Exposed Interior Surfaces: Decorative laminate.
  - 3. Finish Semi-Exposed Surfaces: Decorative laminate
  - 4. Finish Concealed Surfaces: Manufacturer's option.
  - 5. Door and Drawer Front Edge Profiles: Radius edge with thick applied band.
  - 6. Door and Drawer Front Retention Profiles: Removable stop.
  - 7. Casework Construction Type: Type A Frameless.
  - 8. Interface Style for Cabinet and Door: Style 1 Overlay; flush overlay.
  - 9. Grained Face Layout for Cabinet and Door Fronts: Flush panel.
    - a. Premium Grade:
      - 1) Provide vertical run and match for doors, drawer fronts and false fronts within each cabinet unit.
      - 2) Provide well-matched doors, drawer fronts and false fronts across multiple cabinet faces in one elevation.
      - 3) Cathedral Grain: Point grain crown up and run in the same direction for entire project.
  - 10. Cabinet Design Series: As indicated on drawings.
  - 11. Adjustable Shelf Loading: 40 psf.
    - a. Deflection: L/144.
  - 12. Casework Integrity: Comply with Acceptance Level requirements of AWI/AWMAC/WI (AWS) Appendix A for the following tests.
    - a. Structural Integrity Test Base Cabinet.
    - b. Concentrated Load Test Base Cabinet.
    - c. Torsion Test Base Cabinet.
    - d. Structural Integrity Test Wall Cabinet.
    - e. Door Durability Test.
    - f. Door Impact Test.
    - g. Door Hinge Test.
    - h. Drawer Bottom Impact Test.
    - i. Drawer Support Test.

- Drawer and Door Pull Test.
- k. Drawer Rolling Load Test.
- Shelf Load Test.
- 13. Drawer Side Construction: Doweled, Dowel Screwed, Biscuit Splined or Lock Jointed and Nailed.

# 2.02 WOOD-BASED COMPONENTS

A. Wood fabricated from old growth timber is not permitted.

# 2.03 PANEL MATERIALS

- A. Particleboard: ANSI A208.1; Grade M-3 medium density or any Grade high density industrial type as specified in AWI/AWMAC/WI (AWS), composed of wood chips bonded with interior grade adhesive under heat and pressure; sanded faces; thickness as specified under AWI/AWMAC/WI (AWS) Section 10.4.7 for each component type; use for components indicated on drawings.
  - 1. Density: 40 lb/cu ft (minimum for low end of range).
  - 2. Screw Holding:
    - a. Face: 225 lb (minimum).
    - b. Edge: 202 lb (minimum).
- B. Medium Density Fiberboard (MDF): ANSI A208.2; type as specified in AWI/AWMAC/WI (AWS); composed of cellulosic fibers pressure bonded with moisture resistant adhesive to suit application; sanded faces; thicknesses as specified under AWI/AWMAC/WI (AWS) Section 10.4.7 for each component type.
  - 1. Use for cabinet and countertop components, including cabinet backs (1/2" min.) and drawer bottoms (1/2" min.), unless another material is indicated on drawings.
  - 2. Use as core for decorative laminate-faced panels unless otherwise indicated.

# 2.04 LAMINATE MATERIALS

- A. Manufacturers:
  - 1. Formica Corporation: www.formica.com.
  - 2. Lamin-Art, Inc.: www.laminart.com.
  - 3. Panolam Industries International, Inc: www.panolam.com/#sle.
  - 4. Wilsonart LLC: www.wilsonart.com.
- B. High Pressure Decorative Laminate (HPDL): NEMA LD 3, types as recommended for specific applications.
- C. Provide specific types as indicated.
  - 1. Horizontal Surfaces: HGS, 0.048 inch nominal thickness, through color, color as selected, finish as indicated.
  - 2. Vertical Surfaces: VGS, 0.028 inch nominal thickness, through color, color as selected, finish as indicated.
  - 3. Cabinet Liner: CLS, 0.020 inch nominal thickness, through color, finish as indicated.
  - 4. Laminate Backer: BKL, nominal thickness to match that of opposing face sheet, undecorated; for application to concealed backside of panels faced with high pressure decorative laminate.

# 2.05 COUNTERTOPS

A. Countertops: See Section 12 36 00.

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 CUSTOM CASEWORK

# 2.06 ACCESSORIES

- A. Adhesive: Type recommended by fabricator to suit application.
- B. Plastic Edgebanding: Extruded 3mm PVC or ABS, flat shaped; smooth finish; bonded to edge of component; of width to match component thickness. Provide "flexible" PVC material for curved component edges.
  - 1. Manufacturers:
    - a. Charter Industries: www.charterindustries.com.
    - b. EdgeCo, Inc.: www.edgecoinc.com.
    - c. Frama-Tech, Inc.: www.framatech.net.
    - d. Teknaform: www.teknaform.com.
  - 2. Color: As shown on drawings.
  - 3. Use at exposed edges of shelves, cabinet doors, and cabinet drawers.
- C. Fasteners: Size and type to suit application.
- D. Bolts, Nuts, Washers, Lags, Pins, and Screws: Of size and type to suit application; galvanized or chrome-plated finish in concealed locations and stainless steel or chrome-plated finish in exposed locations.
- E. Concealed Joint Fasteners: Threaded steel.

# 2.07 HARDWARE

- A. Adjustable Shelf Supports: Standard side-mounted system using recessed metal shelf standards or multiple holes for pin supports and coordinated self rests, polished chrome finish, for nominal 1 inch spacing adjustments.
  - 1. Manufacturer: Knape & Vogt Manufacturing Company: www.kv.com.
  - 2. Standards: #255 ZC zinc coated steel pilaster strips.
  - 3. Support Clips for Standards: #239 ZC zinc-plated steel.
  - 4. Pin Supports for drilled holes: #333 ZC zinc-plated steel.
  - 5. Use for adjustable shelving within cabinet assemblies.
  - 6. Other acceptable manufacturers:
    - a. John Sterling Company: www.johnsterling.com.
- B. Adjustable Shelf Supports: Standard back-mounted system using surface mounted metal shelf standards and coordinated cantilevered shelf brackets, for nominal 1 inch spacing adjustments.
  - 1. Heavy Duty Standards and Brackets:
    - a. Product: #85 standards and #185 brackets manufactured by Knape & Vogt Manufacturing Company: www.kv.com.
    - b. Finish: Electroplated, Anachrome.
    - c. Use for wall-attached adjustable shelving
- C. Shelf Support Brackets: Fixed, L-shaped, corner reinforced, face-of-stud mounting.
  - 1. Materials: Formed steel shapes.
    - a. Finish: Manufacturer's standard, factory-applied, textured powder coat.
  - 2. Materials: Formed stainless steel shapes with brushed finish.
  - 3. Materials: Formed aluminum shapes.
  - 4. Height: 5 inches.
  - 5. Support Length: 12 inches.

- D. Shelf and Rod Supports: Standard back-mounted system using surface mounted metal shelf brackets, white finish, for nominal 1 inch spacing adjustments.
  - 1. Product: #1195 WH Heavy Duty Shelf and Rod Support manufactured by Knape & Vogt Manufacturing Company: www.kv.com.
  - 2. Product: #RP-0045-WT manufactured by John Sterling Corporation: www.johnsterling.com.
  - 3. Product: #858-WH manufactured by EPCO Sales, LLC: www.epcohardware.com.
  - 4. Closet Rods: 1-5/16" o.d. chromed steel tubing. Provide support flanges at each end.
  - 5. Use for closet shelves and rods.
- E. Drawer and Door Pulls: "U" shaped 10 mm dia. steel wire pull, with nickel plated matte finish, 96 mm centers. Provide two (2) pulls for drawers greater then 24 inches wide.
  - 1. Product: 116.09.617 or 116.09.617.AL manufactured by Hafele America Co.: www.hafele.com.
- F. Drawer Slides:
  - 1. Type: Full extension.
  - 2. Static Load Capacity: Commercial grade; 100 pounds, minimum.
  - 3. Mounting: Side mounted.
  - 4. Stops: Positive type.
  - 5. Features: Provide self closing/stay closed type, with lever disconnect and vertical drawer adjustment.
  - 6. Manufacturers:
    - a. Accuride International, Inc: www.accuride.com.
    - b. Grass America Inc: www.grassusa.com.
    - c. Knape & Vogt Manufacturing Company: www.knapeandvogt.com.
    - d. Substitutions: See Section 01 60 00 Product Requirements.
- G. Door Hinges: European style concealed self-closing type, steel with satin finish, allowing 3-dimensional adjustment. Provide complete with black plastic cover caps, and manufacturer's recommended mounting plates with dowel inserts and fasteners.
  - 1. Manufacturers:
    - a. Blum, Inc; CLIP top 170° Press-in #71T6580: www.blum.com.
    - b. Hardware Resources; 170 Degree Basic Clip On with Dowels #248.0M73.05: www.hardwareresources.com.
    - c. Substitutions: Not permitted.

#### 2.08 FABRICATION

- A. Assembly: Shop assemble cabinets for delivery to site in units easily handled and to permit passage through building openings.
- B. Edging: Fit shelves, doors, and exposed edges with specified edging. Do not use more than one piece for any single length.
- C. Fitting: When necessary to cut and fit on site, provide materials with ample allowance for cutting. Provide matching trim for scribing and site cutting.
- D. Plastic Laminate: Apply plastic laminate finish in full uninterrupted sheets consistent with manufactured sizes. Fit corners and joints hairline; secure with concealed fasteners. Slightly bevel arises.
  - 1. Apply laminate backing sheet to reverse side of plastic laminate finished surfaces.

- 2. Cap exposed plastic laminate finish edges with plastic trim.
- E. Provide cutouts for fixtures and fittings. Verify locations of cutouts from on-site dimensions. Prime paint cut edges.
- F. Shop glaze glass materials using Interior Dry method; see Section 08 80 00.
- G. Hardware: Install hardware components in fabricator's shop. Carpenter installation of cabinet hardware components in field is not permitted.

### PART 3 EXECUTION

# 3.01 EXAMINATION

- A. Verify adequacy of backing and support framing.
- B. Verify location and sizes of utility rough-in associated with work of this section.

#### 3.02 INSTALLATION

- A. Install work in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS) requirements for grade indicated.
- B. Set and secure custom cabinets in place, assuring that they are rigid, plumb, and level.
- C. Use fixture attachments in concealed locations for wall mounted components.
- D. Use concealed joint fasteners to align and secure adjoining cabinet units.
- E. Carefully scribe casework abutting other components, with maximum gaps of 1/32 inch. Do not use additional overlay trim for this purpose.
- F. Secure cabinets to floor using appropriate angles and anchorages.

# 3.03 ADJUSTING

- A. Test installed work for rigidity and ability to support loads.
- B. Adjust moving or operating parts to function smoothly and correctly. Clean sawdust from drawer slides. Re-grease slides after removing sawdust.
- C. Repair damaged and defective casework to eliminate defects functionally and visually. Where not possible to repair properly, replace casework.

# 3.04 CLEANING

- A. Clean casework, counters, shelves, hardware, fittings, and fixtures.
- B. Remove sawdust, leftover materials and other debris from within cabinets and drawers.

### **END OF SECTION**

# SECTION 07 21 00 THERMAL INSULATION

# PART 1 GENERAL

### 1.01 SECTION INCLUDES

A. Board insulation at interior face of existing exterior wall.

# 1.02 REFERENCE STANDARDS

- A. ASTM C578 Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation 2022.
- B. ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials 2023.

#### 1.03 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements for submittal procedures.
- B. Product Data: Provide data on product characteristics, performance criteria, and product limitations.
- C. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.
- D. Manufacturer's Installation Instructions: Include information on special environmental conditions required for installation and installation techniques.

# 1.04 FIELD CONDITIONS

A. Do not install insulation adhesives when temperature or weather conditions are detrimental to successful installation.

#### PART 2 PRODUCTS

### 2.01 APPLICATIONS

A. Insulation Inside Existing Exterior Wall: Extruded polystyrene (XPS) board.

# 2.02 FOAM BOARD INSULATION MATERIALS

- A. Extruded Polystyrene (XPS) Continuous Insulation (CI) Board: Comply with ASTM C578.
  - 1. Type and Compressive Resistance: Type IV, 25 psi (173 kPa), minimum.
  - 2. Flame Spread Index (FSI): Class A 0 to 25, when tested in accordance with ASTM E84.
  - 3. Smoke Developed Index (SDI): 450 or less, when tested in accordance with ASTM E84.
  - 4. Type and Thermal Resistance, R-value: Type IV, 5.6 (0.98), minimum, per 1 inch thickness at 75 degrees F mean temperature.
  - 5. Board Size: 48 inch by 96 inch.
  - 6. Board Thickness: 2 inch.
  - 7. Board Edges: Shiplap, at long edges.
  - 8. Products:
    - a. DuPont de Nemours, Inc; Styrofoam Brand Ultra SL (Shiplap): building.dupont.com.
    - b. Owens Corning Corporation; Rigid Foam Insulation: www.ocbuildingspec.com...
    - c. Substitutions: See Section 01 60 00 Product Requirements.

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# 2.03 ACCESSORIES

- A. Insulation Fasteners: Impaling clip of unfinished steel with washer retainer and clips, to be adhered to surface to receive insulation, length to suit insulation thickness and substrate, capable of securely and rigidly fastening insulation in place.
- B. Nails or Staples: Steel wire; electroplated or galvanized; type and size to suit application.

# PART 3 EXECUTION

# 3.01 EXAMINATION

- A. Verify that substrate, adjacent materials, and insulation materials are dry and that substrates are ready to receive insulation.
- B. Verify substrate surfaces are flat, free of irregularities.

# 3.02 FIELD QUALITY CONTROL

A. See Section 01 40 00 - Quality Requirements for additional requirements.

# 3.03 PROTECTION

A. Do not permit installed insulation to be damaged prior to its concealment.

**END OF SECTION** 

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# **SECTION 07 91 00** PREFORMED JOINT SEALS

# PART 1 GENERAL

### 1.01 SECTION INCLUDES

A. Precompressed foam seals.

# 1.02 RELATED REQUIREMENTS

# 1.03 REFERENCE STANDARDS

#### 1.04 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements for submittal procedures.
- B. Product Data: Manufacturer's technical data sheets for each product, including chemical composition, movement capability, color availability, limitations on application, and installation instructions.
- C. Color Cards: For color selection.
- D. Samples for Color Selection: 4 inch long pieces of each color available; at least 2 samples of each color.
- E. Manufacturer's Qualification Statement.
- F. Installer's Qualification Statement.

# 1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years documented experience.
- B. Installer Qualifications: Company specializing in performing work of the type specified in this section with at least three years of documented experience.

### 1.06 WARRANTY

- A. See Section 01 78 00 Closeout Submittals for additional warranty requirements.
- B. Correct defective work within a two year period after Date of Substantial Completion.
- C. Warranty: Include coverage for installed sealers that fail to achieve watertight seal or exhibit loss of adhesion or cohesion.

### PART 2 PRODUCTS

# 2.01 PRECOMPRESSED FOAM SEALS

- A. Precompressed Foam Seal: Comprised of urethane, modified-acrylic impregnated, open-cell polyurethane, or closed-cell neoprene foam impregnated with water-repellent, and with selfadhesive faces protected prior to installation by release paper.
  - 1. Color: To match existing storefront.
  - 2. Size as required to provide acoustical seal when installed.
  - 3. Measure size of existing joints before selecting seal width.

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- 4. Applications:
  - a. End of partition wall to window (SHG).
- 5. Products:
  - a. EMSEAL Joint Systems, Ltd; QuietJoint: www.emseal.com/#sle.
  - b. Substitutions: Not permitted.

#### PART 3 EXECUTION

#### 3.01 EXAMINATION

- A. Verify that joints are ready to receive this work.
- B. Measure joint dimensions and verify that seal products are of the correct size to properly seal the joints.

#### 3.02 PREPARATION

A. Properly prepare construction components adjacent to the work of this section to prevent damage and disfigurement due to this work.

### 3.03 INSTALLATION

- A. Install in accordance with manufacturer's written instructions.
- B. Precompressed Foam Seals:
  - 1. Install only when ambient temperature is within recommended application temperature range of adhesive. Consult manufacturer when installing outside this temperature range.
  - 2. Prepare joints and install seals in accordance with manufacturer's written recommendations.
  - 3. Remove loose materials and foreign matter that could impair adhesion of sealant.
  - 4. Do not stretch precompressed seal; avoid joints except at corners, ends, and intersections; install with face 1/8 to 1/4 inch below adjoining surface.

# 3.04 CLEANING

A. Clean adjacent soiled surfaces.

#### 3.05 PROTECTION

A. Protect joints from damage until adhesives have properly cured.

### **END OF SECTION**

# SECTION 07 92 00 JOINT SEALANTS

### PART 1 GENERAL

### 1.01 SECTION INCLUDES

- A. Self-leveling pourable joint sealants.
- B. Joint backings and accessories.

# 1.02 RELATED REQUIREMENTS

- A. Section 09 21 16 Gypsum Board Assemblies: Sealing acoustical and sound-rated walls and ceilings.
- B. Section 09 30 00 Tiling: Sealant between tile and plumbing fixtures and at junctions with other materials and changes in plane.

# 1.03 REFERENCE STANDARDS

- A. ASTM C794 Standard Test Method for Adhesion-in-Peel of Elastomeric Joint Sealants 2018 (Reapproved 2022).
- B. ASTM C919 Standard Practice for Use of Sealants in Acoustical Applications 2022.
- C. ASTM C1087 Standard Test Method for Determining Compatibility of Liquid-Applied Sealants with Accessories Used in Structural Glazing Systems 2016.
- D. ASTM C1193 Standard Guide for Use of Joint Sealants 2016.
- E. SCAQMD 1168 Adhesive and Sealant Applications 1989, with Amendment (2022).
- F. SWRI (VAL) SWR Institute Validated Products Directory Current Edition.

#### 1.04 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements for submittal procedures.
- B. Product Data: Submit manufacturer's technical datasheets for each product to be used; include the following:
  - 1. Physical characteristics, including movement capability, VOC content, hardness, cure time, and color availability.
  - 2. List of backing materials approved for use with the specific product.
  - 3. Substrates that product is known to satisfactorily adhere to and with which it is compatible.
  - 4. Substrates the product should not be used on.
  - 5. Substrates for which use of primer is required.
  - 6. Substrates for which laboratory adhesion and/or compatibility testing is required.
  - 7. Installation instructions, including precautions, limitations, and recommended backing materials and tools.
  - 8. Sample product warranty.
  - 9. Certification by manufacturer indicating that product complies with specification requirements.
  - 10.SWRI Validation: Provide currently available sealant product validations as listed by SWRI (VAL) for specified sealants.

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- C. Product Data for Accessory Products: Submit manufacturer's technical data sheet for each product to be used, including physical characteristics, installation instructions, and recommended tools.
- D. Color Cards for Selection: Where sealant color is not specified, submit manufacturer's color cards showing standard colors available for selection.
- E. Samples for Verification: Where custom sealant color is specified, obtain directions from Architect/Engineer and submit at least two physical samples for verification of color of each required sealant.
- F. Preconstruction Laboratory Test Reports: Submit at least four weeks prior to start of installation.
- G. Executed warranty.

# 1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years documented experience.
- B. Installer Qualifications: Company specializing in performing the work of this section and with at least three years of documented experience.
- C. Preconstruction Laboratory Testing: Arrange for sealant manufacturer(s) to test each combination of sealant, substrate, backing, and accessories.
  - 1. Adhesion Testing: In accordance with ASTM C794.
  - 2. Compatibility Testing: In accordance with ASTM C1087.
  - 3. Allow sufficient time for testing to avoid delaying the work.
  - 4. Deliver sufficient samples to manufacturer for testing.
  - 5. Report manufacturer's recommended corrective measures, if any, including primers or techniques not indicated in product data submittals.

# 1.06 WARRANTY

- A. See Section 01 78 00 Closeout Submittals for additional warranty requirements.
- B. Manufacturer Warranty: Provide 2-year manufacturer warranty for installed sealants and accessories that fail to achieve a watertight seal, exhibit loss of adhesion or cohesion, or do not cure. Complete forms in Owner's name and register with manufacturer.
- C. Extended Correction Period: Correct defective work within 2-year period commencing on Date of Substantial Completion.

# PART 2 PRODUCTS

# 2.01 MANUFACTURERS

- A. Nonsag Sealants:
  - 1. Dow Corning Corporation: www.dowcorning.com/construction.
  - 2. Hilti, Inc: www.us.hilti.com.
  - 3. Master Builders Solutions by BASF: www.master-builders-solutions.basf.us/en-us.
  - 4. Momentive Performance Materials, Inc (formerly GE Silicones): www.momentive.com.
  - 5. Pecora Corporation: www.pecora.com.
  - 6. Sika Corporation: www.usa-sika.com.
  - 7. Tremco Commercial Sealants & Waterproofing: www.tremcosealants.com.

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- 8. W.R. Meadows, Inc: www.wrmeadows.com.
- 9. Substitutions: See Section 01 60 00 Product Requirements.

# 2.02 JOINT SEALANT APPLICATIONS

# A. Scope:

- 1. Interior Joints: Do not seal interior joints unless specifically indicated to be sealed. Interior joints to be sealed include, but are not limited to, the following items.
  - a. Joints between door, window, and other frames and adjacent construction.
  - b. In sound-rated wall and ceiling assemblies, gaps at electrical outlets, wiring devices, piping, and other openings; between wall/ceiling and other construction; and other flanking sound paths.
  - c. Joints between countertop back and side splashes and adjacent wall construction.
  - d. Joints between window sills and adjacent window and wall construction.
  - e. Joints between plumbing fixtures and adjacent construction.
  - f. Other joints indicated below.
- B. Interior Joints: Use non-sag acrylic-urethane sealant, unless otherwise indicated.
  - 1. Wall and Ceiling Joints in Wet Areas: Non-sag polyurethane sealant for continuous liquid immersion.
  - 2. Floor Joints in Wet Areas: Non-sag polyurethane "non-traffic-grade" sealant suitable for continuous liquid immersion.
  - 3. Joints between Fixtures in Wet Areas and Floors, Walls, and Ceilings: Mildew-resistant silicone sealant: clear.
  - 4. Other Floor Joints: Self-leveling polyurethane "traffic-grade" sealant.
- C. Interior Wet Areas: restrooms, kitchens, and food service areas; fixtures in wet areas include plumbing fixtures, food service equipment, countertops, cabinets, and other similar items.
- D. Sound-Rated Assemblies: Walls and ceilings identified as STC-rated, sound-rated, or acoustical.

#### 2.03 JOINT SEALANTS - GENERAL

A. Sealants and Primers: Provide products having lower volatile organic compound (VOC) content than indicated in SCAQMD 1168.

# 2.04 ACCESSORIES

- A. Backer Rod: Cylindrical cellular foam rod with surface that sealant will not adhere to, compatible with specific sealant used, and recommended by backing and sealant manufacturers for specific application.
- B. Backing Tape: Self-adhesive polyethylene tape with surface that sealant will not adhere to and recommended by tape and sealant manufacturers for specific application.
- C. Joint Cleaner: Noncorrosive and nonstaining type, type recommended by sealant manufacturer; compatible with joint forming materials.

# PART 3 EXECUTION

#### 3.01 EXAMINATION

A. Verify that joints are ready to receive work.

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- B. Verify that backing materials are compatible with sealants.
- C. Verify that backer rods are of the correct size.

#### 3.02 PREPARATION

- A. Remove loose materials and foreign matter that could impair adhesion of sealant.
- B. Clean joints, and prime as necessary, in accordance with manufacturer's instructions.
- C. Perform preparation in accordance with manufacturer's instructions and ASTM C1193.
- D. Mask elements and surfaces adjacent to joints from damage and disfigurement due to sealant work; be aware that sealant drips and smears may not be completely removable.

#### 3.03 INSTALLATION

- A. Install this work in accordance with sealant manufacturer's requirements for preparation of surfaces and material installation instructions.
- B. Provide joint sealant installations complying with ASTM C1193.
- C. Install acoustical sealant application work in accordance with ASTM C919.
- D. Measure joint dimensions and size joint backers to achieve width-to-depth ratio, neck dimension, and surface bond area as recommended by manufacturer, except where specific dimensions are indicated.
- E. Install bond breaker backing tape where backer rod cannot be used.
- F. Install sealant free of air pockets, foreign embedded matter, ridges, and sags, and without getting sealant on adjacent surfaces.
- G. Do not install sealant when ambient temperature is outside manufacturer's recommended temperature range, or will be outside that range during the entire curing period, unless manufacturer's approval is obtained and instructions are followed.
- H. Nonsag Sealants: Tool surface concave, unless otherwise indicated; remove masking tape immediately after tooling sealant surface.

### **END OF SECTION**

# SECTION 08 11 13 HOLLOW METAL DOORS AND FRAMES

### PART 1 GENERAL

### 1.01 SECTION INCLUDES

- A. Non-fire-rated hollow metal doors and frames.
- B. Hollow metal frames for wood doors.
- C. Bullet-resistant hollow metal doors and frames.

### 1.02 RELATED REQUIREMENTS

- A. Section 08 71 00 Door Hardware.
- B. Section 08 80 00 Glazing: Glass for doors and borrowed lites.

### 1.03 REFERENCE STANDARDS

- A. ADA Standards 2010 ADA Standards for Accessible Design 2010.
- B. ANSI/SDI A250.4 Test Procedure and Acceptance Criteria for Physical Endurance for Steel Doors, Frames and Frame Anchors 2022.
- C. ANSI/SDI A250.6 Recommended Practice for Hardware Reinforcing on Standard Steel Doors and Frames 2020.
- D. ANSI/SDI A250.8 Specifications for Standard Steel Doors and Frames (SDI-100) 2017.
- E. ANSI/SDI A250.10 Test Procedure and Acceptance Criteria for Prime Painted Steel Surfaces for Steel Doors and Frames 2020.
- F. ASTM A653/A653M Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process 2022.
- G. ASTM A1008/A1008M Standard Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, Required Hardness, Solution Hardened, and Bake Hardenable 2021a.
- H. ASTM A1011/A1011M Standard Specification for Steel, Sheet and Strip, Hot-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, and Ultra-High Strength 2018a.
- ASTM C143/C143M Standard Test Method for Slump of Hydraulic-Cement Concrete 2020.
- J. ASTM C476 Standard Specification for Grout for Masonry 2023.
- K. BHMA A156.115 Hardware Preparation in Steel Doors and Steel Frames 2016.
- L. ICC A117.1 Accessible and Usable Buildings and Facilities 2017.
- M. NAAMM HMMA 830 Hardware Selection for Hollow Metal Doors and Frames 2002.
- N. NAAMM HMMA 831 Hardware Locations for Hollow Metal Doors and Frames 2011.

- O. NAAMM HMMA 840 Guide Specifications For Receipt, Storage and Installation of Hollow Metal Doors and Frames 2017.
- P. NAAMM HMMA 861 Guide Specifications for Commercial Hollow Metal Doors and Frames 2014.
- Q. NAAMM HMMA 862 Guide Specifications for Forced Entry/Bullet Resistant (FE/BR) Security Hollow Metal Doors and Frames 2021.
- R. SDI 117 Manufacturing Tolerances for Standard Steel Doors and Frames 2023.
- S. UL 752 Standard for Bullet-Resisting Equipment Current Edition, Including All Revisions.

#### 1.04 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements for submittal procedures.
- B. Product Data: Materials and details of design and construction, hardware locations, reinforcement type and locations, anchorage and fastening methods, and finishes; and one copy of referenced standards/guidelines.
- C. Shop Drawings: Details of each opening, showing elevations, glazing, frame profiles, and any indicated finish requirements.
- D. Installation Instructions: Manufacturer's published instructions, including any special installation instructions relating to this project.
- E. Manufacturer's Certificate: Certification that products meet or exceed specified requirements.

# 1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than three years documented experience.
- B. Manufacturer Qualifications: Provide hollow metal doors and frames from SDI Certified manufacturer: https://steeldoor.org/sdi-certified/#sle.
- C. Maintain at project site copies of reference standards relating to installation of products specified.

# 1.06 DELIVERY, STORAGE, AND HANDLING

- A. Comply with NAAMM HMMA 840 or ANSI/SDI A250.8 (SDI-100) in accordance with specified requirements.
- B. Protect with resilient packaging; avoid humidity build-up under coverings; prevent corrosion and adverse effects on factory applied painted finish.

# PART 2 PRODUCTS

# 2.01 MANUFACTURERS

- A. Hollow Metal Doors and Frames:
  - 1. Ceco Door, an Assa Abloy Group company: www.assaabloydss.com.
  - 2. Curries, an Assa Abloy Group company: www.assaabloydss.com.
  - 3. Republic Doors, an Allegion brand: www.republicdoor.com.
  - 4. Steelcraft, an Allegion brand: www.allegion.com.

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- B. Bullet-Resistant, Commercial Security, and Detention Security Hollow Metal Doors and Frames:
  - 1. Fleming Door Products, an Assa Abloy Group company: www.assaabloydss.com/#sle.
  - 2. Mesker, dormakaba Group; BR Series Bullet-Resistant Doors and Frames: www.meskeropeningsgroup.com/#sle.
  - 3. Republic Doors, an Allegion brand: www.republicdoor.com/#sle.
  - 4. Security Metal Products Corporation, an Assa Abloy Group company: www.assaabloydss.com/#sle.
  - 5. Substitutions: See Section 01 60 00 Product Requirements.

# 2.02 PERFORMANCE REQUIREMENTS

- A. Requirements for Hollow Metal Doors and Frames:
  - Steel Sheet: Comply with one or more of the following requirements; galvannealed steel complying with ASTM A653/A653M, cold-rolled steel complying with ASTM A1008/A1008M, or hot-rolled pickled and oiled (HRPO) steel complying with ASTM A1011/A1011M, commercial steel (CS) Type B, for each.
  - 2. Accessibility: Comply with ICC A117.1 and ADA Standards.
  - 3. Door Edge Profile: Manufacturers standard for application indicated.
  - 4. Glazed Lights: Non-removable stops on non-secure side; sizes and configurations as indicated on drawings. Style: Manufacturer's standard.
  - 5. Hardware Preparations, Selections and Locations: Comply with NAAMM HMMA 830 and NAAMM HMMA 831 or BHMA A156.115 and ANSI/SDI A250.8 (SDI-100) in accordance with specified requirements.
  - 6. Zinc Coating for Typical Interior and/or Exterior Locations: Provide metal components zinc-coated (galvanized) and/or zinc-iron alloy-coated (galvannealed) by the hot-dip process in accordance with ASTM A653/A653M, with manufacturer's standard coating thickness, unless noted otherwise for specific hollow metal doors and frames.
    - a. Based on SDI Standards: Provide at least A40/ZF120 (galvannealed) when necessary, coating not required for typical interior door applications, and at least A60/ZF180 (galvannealed) for corrosive locations.
- B. Combined Requirements: If a particular door and frame unit is indicated to comply with more than one type of requirement, comply with the specified requirements for each type; for instance, an exterior door that is also indicated as being sound-rated must comply with the requirements specified for exterior doors and for sound-rated doors; where two requirements conflict, comply with the most stringent.

# 2.03 HOLLOW METAL DOORS

- A. Interior Doors, Non-Fire-Rated:
  - 1. Based on SDI Standards: ANSI/SDI A250.8 (SDI-100).
    - a. Level 3 Extra Heavy-duty.
    - b. Physical Performance Level A, 1,000,000 cycles; in accordance with ANSI/SDI A250.4.
    - c. Model 1 Full Flush; Seamless for corrosive locations.
    - d. Door Face Metal Thickness: 16 gauge, 0.053 inch, minimum.
    - e. Zinc Coating: A60/ZF180 galvannealed coating; ASTM A653/A653M for corrosive locations.
  - 2. Door Thickness: 1-3/4 inches, nominal.

- 3. Door Face Sheets: Flush.
- 4. Door Finish: Factory primed and field finished.
- B. Bullet-Resistant Doors; Interior:
  - 1. Based on SDI Standards: ANSI/SDI A250.8 (SDI-100).
    - a. Level 1 Standard-duty.
    - b. Physical Performance Level C, 250,000 cycles; in accordance with ANSI/SDI A250.4.
    - c. Model 1 Full Flush.
    - d. Door Face Metal Thickness: 20 gauge, 0.032 inch, minimum.
  - 2. Bullet Resistance: UL 752, Threat Level Rating Level 4.
  - 3. Door Core Material: Manufacturers standard core material/construction in compliance with requirements.
  - 4. Door Thickness: As required to meet requirements indicated.
  - 5. Hinge Rail and Reinforcement: Non-beveled edge, reinforced with continuous steel channel, 12 gauge, 0.093 inch minimum metal thickness, welded at 5 inch on center maximum, and compatible with 4-1/2 inch full mortise template and continuous geared hinges.

# 2.04 HOLLOW METAL FRAMES

- A. Comply with standards and/or custom guidelines as indicated for corresponding door in accordance with applicable door frame requirements.
- B. Interior Door Frames, Non-Fire Rated: Face welded type; non-welded joints filled for seamless appearance.
  - 1. Frame Metal Thickness: 16 gauge, 0.053 inch, minimum.
  - 2. Frame Finish: Factory primed and field finished.
- C. Bullet-Resistant Door Frames: Comply with UL 752, with same level of bullet resistance as door; face welded construction, ground smooth, fully prepared and reinforced for hardware installation.
  - 1. Frame Metal Thickness: 16 gauge, 0.053 inch, minimum.
  - 2. Frame Finish: Factory primed and field finished.
- D. Provide mortar guard boxes for hardware cut-outs in frames to be installed in masonry or to be grouted.
- E. Frames in Masonry Walls: Size to suit masonry coursing with head member 4 inches high to fill opening without cutting masonry units.
- F. Frames Wider than 48 inches: Reinforce with steel channel fitted tightly into frame head, flush with top.

#### 2.05 FINISHES

- A. Primer: Rust-inhibiting, complying with ANSI/SDI A250.10, door manufacturer's standard.
- B. Bituminous Coating: Cold-applied asphalt mastic, compounded for 15 mil, 0.015 inch dry film thickness (DFT) per coat; provide inert-type noncorrosive compound free of asbestos fibers, sulfur components, and other deleterious impurities.

#### 2.06 ACCESSORIES

A. Grout for Frames: Mortar grout complying with ASTM C476 with maximum slump of 4 inches as measured in accordance with ASTM C143/C143M for hand troweling in place; plaster grout and

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- thinner pumpable grout are prohibited.
- B. Silencers: Resilient rubber, fitted into drilled hole; provide three on strike side of single door, three on center mullion of pairs, and two on head of pairs without center mullions.
- C. Temporary Frame Spreaders: Provide for factory- or shop-assembled frames.

# PART 3 EXECUTION

# 3.01 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify that opening sizes and tolerances are acceptable.
- C. Verify that finished walls are in plane to ensure proper door alignment.

#### 3.02 PREPARATION

A. Coat inside of frames to be installed in masonry or to be grouted, with bituminous coating, prior to installation.

# 3.03 INSTALLATION

- A. Install doors and frames in accordance with manufacturer's instructions and related requirements of specified door and frame standards or custom guidelines indicated.
- B. Coordinate frame anchor placement with wall construction.
- C. Grout frames in masonry construction, using hand trowel methods; brace frames so that pressure of grout before setting will not deform frames.
- D. Install door hardware as specified in Section 08 71 00.
  - Comply with recommended practice for hardware placement of doors and frames in accordance with ANSI/SDI A250.6 or NAAMM HMMA 861.
- E. Coordinate installation of electrical connections to electrical hardware items.
- F. Touch up damaged factory finishes.

#### 3.04 TOLERANCES

- A. Clearances Between Door and Frame: Comply with related requirements of specified frame standards or custom guidelines indicated in accordance with SDI 117 or NAAMM HMMA 861.
- B. Maximum Diagonal Distortion: 1/16 inch measured with straight edge, corner to corner.

# 3.05 ADJUSTING

A. Adjust for smooth and balanced door movement.

# 3.06 SCHEDULE

A. Refer to Door and Frame Schedule on the Drawings.

# **END OF SECTION**

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# SECTION 08 14 16 FLUSH WOOD DOORS

# PART 1 GENERAL

#### 1.01 SECTION INCLUDES

A. Flush wood doors; flush configuration; non-rated.

# 1.02 RELATED REQUIREMENTS

- A. Section 08 11 13 Hollow Metal Doors and Frames.
- B. Section 08 71 00 Door Hardware.
- C. Section 08 80 00 Glazing.

#### 1.03 REFERENCE STANDARDS

- A. AWI/AWMAC/WI (AWS) Architectural Woodwork Standards, 2nd Edition 2014, with Errata (2016).
- B. AWMAC/WI (NAAWS) North American Architectural Woodwork Standards 2021, with Errata.
- C. ICC (IBC) International Building Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- D. NEMA LD 3 High-Pressure Decorative Laminates 2005.

# 1.04 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements for submittal procedures.
- B. Product Data: Indicate door core materials and construction; veneer species, type and characteristics.
- C. Shop Drawings: Show doors and frames, elevations, sizes, types, swings, undercuts, beveling, blocking for hardware, factory machining, factory finishing, cutouts for glazing and other details.
- D. Samples: Submit two samples of door veneer, 9 by 12 inches in size illustrating wood grain, stain color, and sheen.
- E. Manufacturer's Installation Instructions: Indicate special installation instructions.

# 1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section, with not less than ten years of documented experience.
- B. Installer Qualifications: Company specializing in performing work of the type specified in this section, with not less than three years of documented experience.

# 1.06 DELIVERY, STORAGE, AND HANDLING

- A. Package, deliver and store doors in accordance with specified quality standard.
- B. Accept doors on site in manufacturer's packaging, and inspect for damage.
- C. Protect doors with resilient packaging sealed with heat shrunk plastic; do not store in damp or wet areas or areas where sunlight might bleach veneer; seal top and bottom edges with tinted sealer if

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stored more than one week, and break seal on site to permit ventilation.

# 1.07 WARRANTY

A. See Section 01 78 00 - Closeout Submittals for additional warranty requirements.

# PART 2 PRODUCTS

### 2.01 MANUFACTURERS

- A. Wood Veneer Faced Doors:
  - 1. Graham Wood Doors: www.grahamdoors.com.
  - 2. Oshkosh Door Company: www.oshkoshdoor.com.
  - 3. VT Industries, Inc: www.vtindustries.com.
  - 4. Substitutions: See Section 01 60 00 Product Requirements.

# **2.02 DOORS**

- A. Doors: See drawings for locations and additional requirements.
  - 1. Quality Standard: Custom Grade, Heavy Duty performance, in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), unless noted otherwise.
- B. Interior Doors: 1-3/4 inches thick unless otherwise indicated; flush construction.
  - 1. Provide solid core doors at each location.
  - 2. Fire Rated Doors: Tested to ratings indicated on drawings in accordance with ICC (IBC) Positive Pressure; Underwriters Laboratories Inc. (UL) or Intertek/Warnock Hersey (WHI) labeled without any visible seals when door is open.

# 2.03 DOOR AND PANEL CORES

A. Non-Rated Solid Core and 20 Minute Rated Doors: Type particleboard core (PC), plies and faces as indicated.

# 2.04 DOOR FACINGS

A. High Pressure Decorative Laminate (HPDL) Facing for Non-Fire-Rated Doors: NEMA LD 3, HGS; color(s) as indicated; textured, low gloss finish.

# 2.05 DOOR CONSTRUCTION

- A. Fabricate doors in accordance with door quality standard specified.
- B. Cores Constructed with stiles and rails:
- C. Provide solid blocks at lock edge for hardware reinforcement.
  - 1. Provide solid blocking for other throughbolted hardware.
- D. Factory machine doors for hardware other than surface-mounted hardware, in accordance with hardware requirements and dimensions.
- E. Factory fit doors for frame opening dimensions identified on shop drawings, with edge clearances in accordance with specified quality standard.
- F. Provide edge clearances in accordance with the quality standard specified.

# 2.06 FINISHES - WOOD VENEER DOORS

- A. Finish work in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), Section 5 Finishing for grade specified and as follows:
  - 1. Transparent:
    - a. System 2, Lacquer, Precatalyzed.
    - b. Stain: As selected by Architect/Engineer.
    - c. Sheen: Satin.

# PART 3 EXECUTION

#### 3.01 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify that opening sizes and tolerances are acceptable.
- C. Do not install doors in frame openings that are not plumb or are out-of-tolerance for size or alignment.

# 3.02 INSTALLATION

- A. Install doors in accordance with manufacturer's instructions and specified quality standard.
- B. Factory-Finished Doors: Do not field cut or trim; if fit or clearance is not correct, replace door.
- C. Use machine tools to cut or drill for hardware.
- D. Coordinate installation of doors with installation of frames and hardware.
- E. Coordinate installation of glazing.

#### 3.03 TOLERANCES

- A. Comply with specified quality standard for fit and clearance tolerances.
- B. Comply with specified quality standard for telegraphing, warp, and squareness.

### 3.04 ADJUSTING

- A. Adjust doors for smooth and balanced door movement.
- B. Adjust closers for full closure.

### 3.05 SCHEDULE

A. See Door and Frame Schedule on the Drawings.

#### **END OF SECTION**

# **SECTION 08 43 13 ALUMINUM-FRAMED STOREFRONTS**

# PART 1 GENERAL

#### 1.01 SECTION INCLUDES

- A. Aluminum-framed storefront, with vision glass.
- B. Door hardware.

# 1.02 RELATED REQUIREMENTS

- A. Section 07 92 00 Joint Sealants: Sealing joints between frames and adjacent construction.
- B. Section 08 71 00 Door Hardware: Hardware items other than specified in this section.
- C. Section 08 80 00 Glazing: Glass and glazing accessories.

### 1.03 REFERENCE STANDARDS

- A. AAMA CW-10 Care and Handling of Architectural Aluminum from Shop to Site 2015.
- B. AAMA 501.2 Quality Assurance and Diagnostic Water Leakage Field Check of Installed Storefronts, Curtain Walls, and Sloped Glazing Systems 2015.
- C. AAMA 2605 Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels (with Coil Coating Appendix) 2022.
- D. ASTM B209/B209M Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate 2021a.
- E. ASTM B221 Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes 2021.
- F. ASTM B221M Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric) 2021.

# 1.04 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements for submittal procedures.
- B. Product Data: Provide component dimensions, describe components within assembly, anchorage and fasteners, glass and infill, door hardware, and internal drainage details.
- C. Shop Drawings: Indicate system dimensions, framed opening requirements and tolerances, affected related work, expansion and contraction joint location and details, and field welding required.
- D. Design Data: Provide framing member structural and physical characteristics, engineering calculations, and dimensional limitations.
- E. Manufacturer's Certificate: Certify that the products supplied meet or exceed the specified requirements.

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# 1.05 QUALITY ASSURANCE

- A. Designer Qualifications: Design structural support framing components under direct supervision of a Professional Structural Engineer experienced in design of this Work and licensed in the State in which the Project is located.
- B. Manufacturer Qualifications: Company specializing in performing work of type specified and with at least ten years of experience.
- C. Installer Qualifications: Company specializing in performing work of type specified and with at least five years of documented experience.
  - 1. Provide company, field supervisors, and installers that hold active ANSI accredited certifications in appropriate categories for work specified.

# 1.06 DELIVERY, STORAGE, AND HANDLING

- A. Handle products of this section in accordance with AAMA CW-10.
- B. Protect finished aluminum surfaces with wrapping. Do not use adhesive papers or sprayed coatings that bond to aluminum when exposed to sunlight or weather.

# 1.07 FIELD CONDITIONS

A. Do not install sealants when ambient temperature is less than 40 degrees F. Maintain this minimum temperature during and 48 hours after installation.

# 1.08 WARRANTY

- A. See Section 01 78 00 Closeout Submittals for additional warranty requirements.
- B. Provide twenty year manufacturer warranty against excessive degradation of exterior finish. Include provision for replacement of units with excessive fading, chalking, or flaking.

#### PART 2 PRODUCTS

# 2.01 MANUFACTURERS

- A. Aluminum-Framed Storefronts:
  - 1. C.R. Laurence Company, Inc; U.S. Aluminum: www.crl-arch.com.
  - 2. EFCO Corporation: www.efcocorp.com.
  - 3. Kawneer North America: 451T with wide stile doors: www.kawneer.com.
  - 4. Pittco Architectural Metals Inc; TMS 114T: www.pittcometals.com.
  - 5. Tubelite, Inc; T14000 Series (Thermal-polyurethane casting) with wide stile doors: www.tubeliteinc.com.
  - 6. YKK AP America; YES 45 TU with Model 50D wide stile doors: www.ykkap.com.
  - 7. Substitutions: See Section 01 60 00 Product Requirements.

#### 2.02 ALUMINUM-FRAMED STOREFRONT

- A. Aluminum-Framed Storefront: Factory fabricated, factory finished aluminum framing members with infill, and related flashings, anchorage and attachment devices.
  - 1. Glazing Rabbet: For 1 1/8 inch security glazing.
  - 2. Glazing Rabbet: For 1/4 inch monolithic glazing.
  - 3. Glazing Position: Centered (front to back).

Project No. 23-471-1466 **SECTION 08 43 13** 08 43 13 - 2 ALUMINUM-FRAMED STOREFRONTS

- 4. Vertical Mullion Dimensions: 2 inches wide by 4-1/2 inches deep.
- 5. Finish: Superior performing organic coatings.
  - a. Factory finish all surfaces that will be exposed in completed assemblies.
  - b. Touch-up surfaces cut during fabrication so that no natural aluminum is visible in completed assemblies, including joint edges.
- 6. Finish Color: As selected by Architect from manufacturer's standard line.
- 7. Fabrication: Joints and corners flush, and hairline accurately fitted and secured; prepared to receive anchors and hardware; fasteners and attachments concealed from view; reinforced as required for imposed loads.
- 8. Movement: Allow for movement between storefront and adjacent construction, without damage to components or deterioration of seals.
- 9. Perimeter Clearance: Minimize space between framing members and adjacent construction while allowing expected movement.

# 2.03 COMPONENTS

- A. Aluminum Framing Members: Tubular aluminum sections.
  - 1. Framing members for interior applications need not be thermally broken.
  - 2. Glazing Stops: Flush.
- B. Glazing: See Section 08 80 00.
- C. Swing Doors: Glazed aluminum.
  - 1. Finish: Same as storefront.

# 2.04 MATERIALS

- A. Extruded Aluminum: ASTM B221 (ASTM B221M).
- B. Sheet Aluminum: ASTM B209/B209M.
- C. Fasteners: Stainless steel.
- D. Glazing Gaskets: Type to suit application to achieve weather, moisture, and air infiltration requirements.
- E. Glazing Accessories: See Section 08 80 00.
- F. Framing Accessory: Glazing channel aluminum pocket cap. Pre-finished to match existing aluminum storefront system.

# 2.05 FINISHES

- A. Superior Performing Organic Coatings System: Manufacturer's standard multi-coat superior performing organic coatings system complying with AAMA 2605, including at least 70 percent polyvinylidene fluoride (PVDF) resin, and at least 80 percent of aluminum extrusion and panels surfaces having minimum total dry film thickness (DFT) of 1.2 mils, 0.0012 inch.
- B. Color: As selected by Architect/Engineer from manufacturer's standard range.
- C. Touch-Up Materials: As recommended by coating manufacturer for field application.

# 2.06 HARDWARE

A. Other Door Hardware: See Section 08 71 00.

#### PART 3 EXECUTION

#### 3.01 EXAMINATION

- A. Verify dimensions, tolerances, and method of attachment with other work.
- B. Verify that storefront wall openings and adjoining water-resistive and/or air barrier seal materials are ready to receive work of this section.

# 3.02 INSTALLATION

- A. Install wall system in accordance with manufacturer's instructions.
- B. Attach to structure to permit sufficient adjustment to accommodate construction tolerances and other irregularities.
- C. Provide alignment attachments and shims to permanently fasten system to building structure.
- D. Align assembly plumb and level, free of warp or twist. Maintain assembly dimensional tolerances, aligning with adjacent work.
- E. Provide thermal isolation where components penetrate or disrupt building insulation.
- F. Install sill flashings. Turn up ends and edges; seal to adjacent work to form water tight dam.
- G. Where fasteners penetrate sill flashings, make watertight by seating and sealing fastener heads to sill flashing.
- H. Coordinate attachment and seal of perimeter air and vapor barrier materials.
- I. Pack fibrous insulation in shim spaces at perimeter of assembly to maintain continuity of thermal barrier.
- J. Install operating sash.
- K. Set thresholds in bed of sealant and secure.
- L. Install hardware using templates provided.
  - 1. See Section 08 71 00 for hardware installation requirements.
- M. Touch-up minor damage to factory applied finish; replace components that cannot be satisfactorily repaired.

# 3.03 TOLERANCES

- A. Maximum Variation from Plumb: 0.06 inch per 3 feet non-cumulative or 0.06 inch per 10 feet, whichever is less.
- B. Maximum Misalignment of Two Adjoining Members Abutting in Plane: 1/32 inch.

#### 3.04 FIELD QUALITY CONTROL

- A. Water-Spray Test: Provide water spray quality test of installed storefront components in accordance with AAMA 501.2 during construction process and before installation of interior finishes.
  - 1. Perform a minimum of two tests in each designated area as indicated on drawings.
  - 2. Conduct tests in each area prior to 10 percent and 50 percent completion of this work.

# 3.05 ADJUSTING

A. Adjust operating hardware and sash for smooth operation.

# 3.06 CLEANING

- A. Remove protective material from pre-finished aluminum surfaces.
- B. Wash down surfaces with a solution of mild detergent in warm water, applied with soft, clean wiping cloths, and take care to remove dirt from corners and to wipe surfaces clean.
- C. Remove excess sealant by method acceptable to sealant and framing manufacturers.

# 3.07 PROTECTION

A. Protect installed products from damage until Date of Substantial Completion.

# **END OF SECTION**

# SECTION 08 56 53 SECURITY WINDOWS

### PART 1 GENERAL

### 1.01 SECTION INCLUDES

A. Security transaction windows with pass-through device.

# 1.02 RELATED REQUIREMENTS

- A. Section 04 20 00 Unit Masonry: Installation of anchorage items embedded in masonry.
- B. Section 07 92 00 Joint Sealants: Sealing joints between frames and adjacent construction.
- C. Section 08 11 13 Hollow Metal Doors and Frames: Interior, non-ballistic- and non-forced-entry-rated steel windows.
- D. Section 09 21 16 Gypsum Board Assemblies: Bullet-resistant sheathing and wallboard for bullet-resistant partitions and walls.
- E. Section 09 91 23 Interior Painting: Field painting.

# 1.03 REFERENCE STANDARDS

- A. AAMA 611 Voluntary Specification for Anodized Architectural Aluminum 2020.
- B. UL 752 Standard for Bullet-Resisting Equipment Current Edition, Including All Revisions.

# 1.04 ADMINISTRATIVE REQUIREMENTS

A. Coordination: Furnish anchorages, including sleeves, concrete inserts, anchor bolts, and items with integral anchors, to be embedded into concrete or masonry, with setting diagrams and installation, to applicable installer in time for installation.

# 1.05 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements for submittal procedures.
- B. Product Data: Manufacturer's published data showing materials, construction details, dimensions of components, and finishes.
- C. Shop Drawings: Drawings prepared specifically for this project, showing plans, elevations, sections, details of construction, anchorage to other work, hardware, and glazing.
  - 1. For existing openings show verified field dimensions.
- D. Samples for Selection of Applied Finishes: Color charts for factory finishes.
- E. Coordination Drawings: For each window opening, show locations and details of items necessary to anchor windows that must be installed by others, in sufficient detail that installer of those items can do so correctly without reference to the actual window itself.
- F. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
  - 1. See Section 01 60 00 Product Requirements for additional provisions.

# 1.06 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Firm with at least 5 years experience in the manufacture of windows of the type specified and able to provide test reports showing that their standard manufactured products meet the specified requirements; custom designed products not acceptable.
- B. Testing Agency Qualifications: Independent testing agency able to show experience in conducting tests of the type specified and:
- C. Installer Qualifications: Company specializing in performing work of the type specified and with at least three years of documented experience.

# 1.07 WARRANTY

- A. See Section 01 78 00 Closeout Submittals for additional warranty requirements.
- B. Provide manufacturer's warranty agreeing to repair or replace windows and window components that fail within three years after Date of Substantial Completion due to, but not limited to, the following:
  - 1. Structural failure, failure of welds, and deterioration of metals and finishes beyond that expected under detention use and normal weathering.
  - 2. Failure of glazing due to excessive deflection of supporting members under wind load.

#### PART 2 PRODUCTS

# 2.01 MANUFACTURERS

- A. Security Transaction Windows with Pass-Through Device:
  - 1. Quikserv: www.quikserv.com/#sle.
  - 2. Total Security Solutions: https://www.tssbulletproof.com/.
  - 3. Substitutions: See Section 01 60 00 Product Requirements.

#### 2.02 ASSEMBLIES

- A. Security and Detention Windows:
  - 1. Dimensions, profiles, features, and performance specified and indicated on drawings are required; do not deviate unless specifically approved by Architect/Engineer under substitution procedures; see Section 01 60 00.
  - 2. Design to fit openings indicated on drawings; design to accommodate deviation of actual construction from dimensions indicated on drawings.
  - 3. Fabricate frames and sash with corners mitered or coped full depth with concealed welded joints.
  - 4. Design anchorages to provide performance equivalent to that required for window unit; provide anchorages at least equivalent to those by which the tested units were anchored to the test frame.
  - 5. Separate dissimilar metals to prevent corrosion by galvanic action by painting contact surfaces with primer or with sealant or tape recommended by manufacturer for the purpose.
  - 6. Weld components before finishing and in concealed locations, to greatest extent possible; minimize distortion and discoloration of finish; remove residue of welding; grind exposed welds smooth and finish to match.
  - 7. Label units to indicate which side is which, such as inside/outside or secure/non-secure; use labels that are removable after installation but durable enough not to be lost during delivery,

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storage, handling, and installation.

# 2.03 SECURITY TRANSACTION WINDOWS WITH PASS-THROUGH DEVICE

- A. Security Transaction Windows with Pass-Though Device:
  - 1. Location: Built within interior wall, as indicated on drawings.
  - 2. Type of Use: As indicated on drawings.
  - 3. Ballistic Resistance: Tested to meet UL 752, Level 4.
  - 4. Window Type: Fixed.
    - a. Overall Window Frame Size: As indicated on drawings.
    - b. Frame Material: Aluminum.
      - 1) Finish: Natural anodized.
  - 5. Glazing: Single (monolithic), clear, and ballistic resistant.
    - a. Tempered safety glazing.
  - 6. Pass-Through Device: Deal Tray.
    - a. Material: Corrosion resistant.
    - b. Finish Color: As selected from manufacturer's standard colors.
  - 7. Counter Staging Area: Attendant-side.
  - 8. Communication: Standard talk-through portal.

# 2.04 ASSEMBLY COMPONENTS

- A. Frame Anchors: Mild steel plates, shapes, or bars, concealed in completed construction; provide anchorage devices as necessary to securely fasten windows to adjacent construction; use security fasteners for exposed anchors.
  - 1. For Setting in Masonry: Minimum 3/16 inch thick angles or plates, minimum 4 inches long with hooked ends, welded to back of window frame.
  - 2. Provide minimum of two anchors per side of window plus one additional anchor for each 18 inches or fraction thereof more than 36 inches in height or width.
- B. Glazing Seals: Factory installed; molded EPDM or neoprene compressible gaskets and compression strips.
- C. Deal Trays: Formed stainless steel, recessed into counter or sill for mounting under glazing frame.
  - 1. Style: Ricochet-resistant, with recessed bullet trap on secure side, with sliding cover.
  - 2. Clear Opening Height: 1-1/2 inches.
  - 3. Tray Dimensions: 16 by 10 inches, wide by deep.
  - 4. Listed and labeled by UL as bullet resisting to UL 752 same level as window.

# 2.05 FINISHES

- A. Class II Natural Anodized Finish: AAMA 611 AA-M12C22A31 Clear anodic coating not less than 0.4 mils thick.
- B. Color: As selected by Architect/Engineer from manufacturer's standard range.

#### PART 3 EXECUTION

#### 3.01 EXAMINATION

A. Verify that window openings are ready for installation of windows.

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 SECURITY WINDOWS

B. Notify Architect/Engineer if conditions are not suitable for installation of windows; do not proceed until conditions are satisfactory.

# 3.02 INSTALLATION

- A. Install in accordance with manufacturer's instructions and drawing details.
- B. Install windows in correct orientation (inside/outside or secure/non-secure).
- C. Anchor windows securely in manner so as to achieve performance specified.
- D. Set sill members and sill flashing in continuous bead of sealant.

# 3.03 CLEANING

- A. Clean exposed surfaces promptly after installation without damaging finishes.
- B. Remove and replace defective work.

**END OF SECTION** 

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 SECURITY WINDOWS

# SECTION 08 71 00 DOOR HARDWARE

## PART 1 GENERAL

#### 1.01 SECTION INCLUDES

- A. Hardware for wood, aluminum, and hollow metal doors.
- B. Electrically operated and controlled hardware.
  - 1. Communications/control wiring and final communications/control wiring connections to electrically operated and controlled hardware components.
- C. Keying of locks, keys, key management system, and key cabinet.
- D. Fire department lock box.

# 1.02 RELATED REQUIREMENTS

- A. Section 08 11 13 Hollow Metal Doors and Frames.
- B. Section 08 14 16 Flush Wood Doors.
- C. Section 08 43 13 Aluminum-Framed Storefronts: Door hardware, except as noted in section.
- D. Section 28 10 00 Access Control: Electronic access control devices.

# 1.03 REFERENCE STANDARDS

- A. ADA Standards 2010 ADA Standards for Accessible Design 2010.
- B. BHMA (CPD) Certified Products Directory Current Edition.
- C. BHMA A156.1 Standard for Butts and Hinges 2021.
- D. BHMA A156.3 Exit Devices 2020.
- E. BHMA A156.4 Door Controls Closers 2019.
- F. BHMA A156.6 Standard for Architectural Door Trim 2021.
- G. BHMA A156.7 Template Hinge Dimensions 2016.
- H. BHMA A156.8 Door Controls Overhead Stops and Holders 2021.
- I. BHMA A156.13 Mortise Locks & Latches Series 1000 2022.
- J. BHMA A156.16 Auxiliary Hardware 2018.
- K. BHMA A156.18 Materials and Finishes 2020.
- L. BHMA A156.31 Electric Strikes and Frame Mounted Actuators 2019.
- M. BHMA A156.36 Auxiliary Locks 2020.
- N. BHMA A156.115 Hardware Preparation in Steel Doors and Steel Frames 2016.
- O. BHMA A156.115W Hardware Preparation in Wood Doors with Wood or Steel Frames 2006.
- P. DHI (H&S) Sequence and Format for the Hardware Schedule 2019.

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- Q. ICC A117.1 Accessible and Usable Buildings and Facilities 2017.
- R. NFPA 70 National Electrical Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- S. UL (DIR) Online Certifications Directory Current Edition.

# 1.04 ADMINISTRATIVE REQUIREMENTS

- A. Coordinate the manufacture, fabrication, and installation of products that door hardware is installed on.
- B. Sequence installation to ensure utility connections are achieved in an orderly and expeditious manner.
- C. Preinstallation Meeting: Convene a preinstallation meeting one week prior to commencing work of this section; attendance is required by affected installers and the following:
  - 1. Architect/Engineer.
  - 2. Installer's Architectural Hardware Consultant (AHC).
  - 3. Hardware Installer.
  - 4. Owner's Security Consultant.
- D. Furnish templates for door and frame preparation to manufacturers and fabricators of products requiring internal reinforcement for door hardware.
- E. Keying Requirements Meeting:
  - 1. Schedule meeting at project site prior to Contractor occupancy.
  - 2. Attendance Required:
    - a. Contractor.
    - b. Owner.
    - c. Installer's Architectural Hardware Consultant (AHC).
    - d. Owner's Security Consultant.
  - 3. Agenda:
    - a. Establish keying requirements.
    - b. Verify locksets and locking hardware are functionally correct for project requirements.
    - c. Verify that keying and programming complies with project requirements.
    - d. Establish keving submittal schedule and update requirements.
  - 4. Incorporate "Keying Requirements Meeting" decisions into keying submittal upon review of door hardware keying system including, but not limited to, the following:
    - a. Access control requirements.
    - b. Key control system requirements.
    - c. Schematic diagram of preliminary key system.
  - 5. Record minutes and distribute copies within two days after meeting to participants, with two copies to Architect/Engineer, Owner, participants, and those affected by decisions made.
  - 6. Deliver established keying requirements to manufacturers.

# 1.05 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements for submittal procedures.
- B. Product Data: Manufacturer's catalog literature for each type of hardware, marked to clearly show products to be furnished for this project, and includes construction details, material descriptions,

Project No. 23-471-1466 **SECTION 08 71 00** 08 71 00 - 2 DOOR HARDWARE finishes, and dimensions and profiles of individual components.

- C. Shop Drawings Door Hardware Schedule: Submit detailed listing that includes each item of hardware to be installed on each door. Use door numbering scheme as included in Contract Documents.
  - 1. Prepared by or under supervision of Architectural Hardware Consultant (AHC).
  - 2. Comply with DHI (H&S) using door numbers and hardware set numbers as indicated in construction documents.
  - 3. List groups and suffixes in proper sequence.
  - 4. Provide complete description for each door listed.
  - 5. Provide manufacturer name, product names, and catalog numbers; include functions, types, styles, sizes and finishes of each item.
  - 6. Include account of abbreviations and symbols used in schedule.
- D. Shop Drawings Electrified Door Hardware: Submit diagrams for power, signal, and control wiring for electrified door hardware that include details of interface with building safety and security systems. Provide elevations and diagrams for each electrified door opening as follows:
  - 1. Prepared by or under supervision of Architectural Hardware Consultant (AHC) and Electrified Hardware Consultant (EHC).
  - 2. Elevations: Submit front and back elevations of each door opening showing electrified devices with connections installed and an operations narrative describing how opening operates from either side at any given time.
  - 3. Diagrams: Submit point-to-point wiring diagram that shows each device in door opening system with related colored wire connections to each device.

# E. Keying Schedule:

- 1. Submit three (3) copies of Keying Schedule in compliance with requirements established during Keying Requirements Meeting unless otherwise indicated.
- F. Installer's qualification statement.
- G. Supplier's qualification statement.
- H. Project Record Documents: Record actual locations of concealed equipment, services, and conduit.
- I. Maintenance Materials and Tools: Furnish the following for Owner's use in maintenance of project.
  - 1. See Section 01 60 00 Product Requirements, for additional provisions.
  - 2. Lock Cylinders: One for each master keyed group.
  - 3. Tools: One set of each special wrench or tool applicable for each different or special hardware component, whether supplied by hardware component manufacturer or not.

# 1.06 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with minimum five years of experience.
- B. Installer Qualifications: Company specializing in performing work of the type specified for commercial door hardware with at least five years of documented experience.
- C. Supplier Qualifications: Company with certified Architectural Hardware Consultant (AHC) and Electrified Hardware Consultant (EHC) to assist in work of this section.

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# 1.07 DELIVERY, STORAGE, AND HANDLING

A. Package hardware items individually; label and identify each package with door opening code to match door hardware schedule.

#### 1.08 WARRANTY

- A. See Section 01 78 00 Closeout Submittals for additional warranty requirements.
- B. Provide manufacturers' warranties against defects in material and workmanship for period indicated, from Date of Substantial Completion.
  - 1. Closers: Twenty-five years, minimum.
  - 2. Exit Devices: Three years, minimum.

# PART 2 PRODUCTS

#### 2.01 DESIGN AND PERFORMANCE CRITERIA

- A. Provide specified door hardware as required to make doors fully functional, compliant with applicable codes, and secure to extent indicated.
- B. Provide individual items of single type, of same model, and by same manufacturer.
- C. Provide door hardware products that comply with the following requirements:
  - 1. Applicable provisions of federal, state, and local codes.
  - 2. Accessibility: ADA Standards and ICC A117.1.
  - 3. Listed and certified compliant with specified standards by BHMA (CPD).
  - 4. Auxiliary Hardware: BHMA A156.16.
  - 5. Hardware Preparation for Steel Doors and Steel Frames: BHMA A156.115.
  - 6. Hardware Preparation for Wood Doors with Wood or Steel Frames: BHMA A156.115W.
  - 7. Products Requiring Electrical Connection: Listed and classified by UL (DIR) as suitable for the purpose specified.
- D. Electrically Operated and/or Controlled Hardware: Provide necessary power supplies, power transfer hinges, relays, and interfaces as required for proper operation; provide wiring between hardware and control components and to building power connection in compliance with NFPA 70.
  - 1. See Section 28 10 00 for additional access control system requirements.
- E. Lock Function: Provide lock and latch function numbers and descriptions of manufacturer's series. See Door Hardware Schedule.

#### F. Fasteners:

- 1. Provide fasteners of proper type, size, quantity, and finish that comply with commercially recognized standards for proposed applications.
  - a. Aluminum fasteners are not permitted.
  - b. Provide phillips flat-head screws with heads finished to match door surface hardware unless otherwise indicated.

# 2.02 HINGES

- A. Manufacturers:
  - 1. McKinney; an Assa Abloy Group company: www.assaabloydss.com/#sle.
  - 2. Bommer Industries, Inc: www.bommer.com/#sle.

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- 3. D&D Technologies USA, Inc: www.ddtech.com/#sle.
- 4. Hager Companies: www.hagerco.com/#sle.
- 5. Pamex, Inc; Hinges: www.pamexinc.com/#sle.
- 6. Stanley, dormakaba Group: www.stanleyhardwarefordoors.com/#sle.
- B. Hinges: Comply with BHMA A156.1, Grade 1.
  - 1. Butt Hinges: Comply with BHMA A156.1 and BHMA A156.7 for templated hinges.
    - a. Provide hinge width required to clear surrounding trim.
  - 2. Provide hinges on every swinging door.
  - 3. Provide five-knuckle full mortise butt hinges unless otherwise indicated.
  - 4. Provide following quantity of butt hinges for each door:
    - a. Doors From 60 inches High up to 90 inches High: Three hinges.

#### 2.03 EXIT DEVICES

### A. Manufacturers:

- 1. Corbin Russwin, Sargent, or Yale; an Assa Abloy Group company: www.assaabloydss.com/#sle.
- 2. DORMA USA, Inc; 8000 Series: www.dorma.com/#sle.
- 3. Precision, dormakaba Group: www.precisionhardware.com/#sle.
- 4. Substitutions: See Section 01 60 00 Product Requirements.
- B. Exit Devices: Comply with BHMA A156.3, Grade 1.
  - 1. Lever design to match lockset trim.
  - 2. Provide cylinder with cylinder dogging or locking trim.
  - 3. Provide exit devices properly sized for door width and height.
  - 4. Provide strike as recommended by manufacturer for application indicated.
  - 5. Provide UL (DIR) listed exit device assemblies for fire-rated doors and panic device assemblies for non-fire-rated doors.

# 2.04 ELECTRIC STRIKES

# A. Manufacturers:

- 1. Adams Rite, HES, or Securitron; an Assa Abloy Group company: www.assaabloydss.com/#sle.
- 2. Pamex, Inc; Electric Strikes: www.pamexinc.com/#sle.
- 3. Substitutions: See Section 01 60 00 Product Requirements.
- B. Electric Strikes: Comply with BHMA A156.31, Grade 1.
  - 1. Provide UL (DIR) listed burglary-resistant electric strike; style to suit locks.
  - 2. Provide non-handed 24 VDC electric strike suitable for door frame material and scheduled lock configuration.
  - 3. Provide field selectable Fail Safe/Fail Secure modes.

#### 2.05 LOCK CYLINDERS

- A. Lock Cylinders: Provide key access on outside of each lock, unless otherwise indicated.
  - 1. Provide cylinders from same manufacturer as locking device.
  - 2. Provide cams and/or tailpieces as required for locking devices.

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## 2.06 MORTISE LOCKS

#### A. Manufacturers:

- 1. Corbin Russwin, Sargent, or Yale; an Assa Abloy Group company: www.assaabloydss.com/#sle.
- 2. DORMA USA, Inc; M9000 Series: www.dorma.com/#sle.
- 3. Substitutions: See Section 01 60 00 Product Requirements.
- B. Mortise Locks: Comply with BHMA A156.13, Grade 1, Security, 1000 Series.
  - 1. Latchbolt Throw: 3/4 inch, minimum.
  - 2. Deadbolt Throw: 1 inch. minimum.
  - 3. Backset: 2-3/4 inch unless otherwise indicated.
  - 4. Strikes: Provide manufacturer's standard strike for each latchset or lockset with strike box and curved lip extending to protect frame in compliance with indicated requirements.
    - a. Finish: To match lock or latch.

# 2.07 AUXILIARY LOCKS (DEADLOCKS)

#### A. Manufacturers:

- 1. Yale; an Assa Abloy Group company: www.assaabloydss.com/#sle.
- 2. Best, dormakaba Group: www.bestaccess.com/#sle.
- 3. DORMA USA, Inc; D800 Series and DB600 Series: www.dorma.com/#sle.
- 4. Substitutions: See Section 01 60 00 Product Requirements.
- B. Auxiliary Locks (Deadlocks): Comply with BHMA A156.36, Grade 1.
  - 1. Type: Bored (cylindrical).
  - 2. Application: Bored.
  - 3. Backset: 2-3/4 inch, unless otherwise indicated.
  - 4. Bolt Throw: 1/2 inch. with latch made of hardened steel.
  - 5. Provide strike that matches frame.

#### 2.08 DOOR PULLS AND PUSH BARS

#### A. Manufacturers:

- 1. Rockwood; an Assa Abloy Group company: www.assaabloydss.com/#sle.
- 2. Hiawatha, Inc, division of Activar Construction Products Group, Inc: www.activarcpg.com/hiawatha/#sle.
- 3. Trimco: www.trimcohardware.com/#sle.
- 4. Substitutions: See Section 01 60 00 Product Requirements.
- B. Door Pulls and Push Bars: Comply with BHMA A156.6.
  - 1. Bar Type: Bar set, unless otherwise indicated.
  - 2. Material: Aluminum, unless otherwise indicated.

### 2.09 CLOSERS

- A. Manufacturers; Surface Mounted:
  - 1. Norton, Sargent, or Yale; an Assa Abloy Group company: www.assaabloydss.com/#sle.
  - 2. LCN, an Allegion brand: www.allegion.com/us/#sle.

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- 3. Substitutions: See Section 01 60 00 Product Requirements.
- B. Closers: Comply with BHMA A156.4, Grade 1.
  - 1. Type: Surface mounted to door.
  - 2. At corridor entry doors, mount closer on room side of door.

#### 2.10 OVERHEAD STOPS AND HOLDERS

- A. Manufacturers:
  - 1. Rixson or Sargent; an Assa Abloy Group company: www.assaabloydss.com/#sle.
  - 2. DORMA USA, Inc; 900 Series: www.dorma.com/#sle.
  - 3. Substitutions: See Section 01 60 00 Product Requirements.
- B. Overhead Stops and Holders (Door Checks): Comply with BHMA A156.8, Grade 1.

# 2.11 PROTECTION PLATES

- A. Manufacturers:
  - 1. Rockwood; an Assa Abloy Group company: www.assaabloydss.com/#sle.
  - 2. Hager Companies: www.hagerco.com/#sle.
  - 3. Ives, an Allegion brand: www.allegion.com/us/#sle.
  - 4. Trimco: www.trimcohardware.com/#sle.
  - 5. Substitutions: See Section 01 60 00 Product Requirements.
- B. Protection Plates: Comply with BHMA A156.6.
- C. Metal Properties: Aluminum material.
  - 1. Metal, Heavy Duty: Thickness 0.062 inch, minimum.
- D. Edges: Beveled, on four sides unless otherwise indicated.
- E. Fasteners: Countersunk screw fasteners.

## 2.12 KICK PLATES

- A. Kick Plates: Provide along bottom edge of push side of every door with closer, except aluminum storefront and glass entry doors, unless otherwise indicated.
  - 1. Size: 8 inch high by 2 inch less door width (LDW) on push side of door.

# 2.13 WALL STOPS

- A. Wall Stops: Comply with BHMA A156.16, Grade 1 and Resilient Material Retention Test as described in this standard.
  - 1. Provide wall stops to prevent damage to wall surface upon opening door.
  - 2. Type: Bumper, concave, wall stop.
  - 3. Material: Aluminum housing with rubber insert.

# 2.14 SILENCERS

- A. Silencers: Provide at equal locations on door frame to mute sound of door's impact upon closing.
  - 1. Single Door: Provide three on strike jamb of frame.
  - 2. Pair of Doors: Provide two on head of frame, one for each door at latch side.
  - 3. Material: Rubber, gray color.

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 DOOR HARDWARE

## 2.15 FINISHES

- A. Finishes: Provide door hardware of same finish, unless otherwise indicated.
  - 1. Primary Finish: 625; bright chromium plated over nickel, with brass or bronze base material (former US equivalent US26); BHMA A156.18.
  - 2. Secondary Finish: 626; satin chromium plated over nickel, with brass or bronze base material (former US equivalent US26D); BHMA A156.18.
    - a. Use secondary finish in kitchens, bathrooms, and other spaces containing chrome or stainless steel finished appliances, fittings, and equipment; provide primary finish on one side of door and secondary finish on other side if necessary.
  - Exceptions:
    - a. Where base material metal is specified to be different, provide finish that is an equivalent appearance in accordance with BHMA A156.18.

# PART 3 EXECUTION

# 3.01 EXAMINATION

- A. Verify that doors and frames are ready to receive this work; labeled, fire-rated doors and frames are properly installed, and dimensions are as indicated on shop drawings.
- B. Verify that electric power is available to power operated devices and of correct characteristics.

# 3.02 INSTALLATION

- A. Install hardware in accordance with manufacturer's instructions and applicable codes.
- B. Use templates provided by hardware item manufacturer.
- C. Door Hardware Mounting Heights: Distance from finished floor to center line of hardware item. As indicated in following list; unless noted otherwise in Door Hardware Schedule or on drawings.
- D. Set exterior door thresholds with full-width bead of elastomeric sealant at each point of contact with floor providing a continuous weather seal; anchor thresholds with stainless steel countersunk screws.

# 3.03 FIELD QUALITY CONTROL

A. Perform field inspection and testing under provisions of Section 01 40 00 - Quality Requirements.

## 3.04 ADJUSTING

- A. Adjust work under provisions of Section 01 70 00 Execution and Closeout Requirements.
- B. Adjust hardware for smooth operation.
- C. Adjust gasketing for complete, continuous seal; replace if unable to make complete seal.

#### 3.05 CLEANING

#### 3.06 PROTECTION

A. Protect finished Work under provisions of Section 01 70 00 - Execution and Closeout Requirements.

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**END OF SECTION** 

# **SECTION 08 80 00 GLAZING**

## PART 1 GENERAL

#### 1.01 SECTION INCLUDES

- A. Glazing units.
- B. Laminated glass interlayers.
- C. Glazing compounds.

#### 1.02 RELATED REQUIREMENTS

- A. Section 07 92 00 Joint Sealants: Sealants for other than glazing purposes.
- B. Section 08 43 13 Aluminum-Framed Storefronts: Glazing provided as part of storefront assembly.
- C. Section 08 56 53 Security Windows: Glazing provided as part of security assembly.

#### 1.03 REFERENCE STANDARDS

- A. 16 CFR 1201 Safety Standard for Architectural Glazing Materials Current Edition.
- B. ANSI Z97.1 American National Standard for Safety Glazing Materials Used in Buildings Safety Performance Specifications and Methods of Test 2015 (Reaffirmed 2020).
- C. ASTM C864 Standard Specification for Dense Elastomeric Compression Seal Gaskets, Setting Blocks, and Spacers 2005 (Reapproved 2019).
- D. ASTM C1036 Standard Specification for Flat Glass 2021.
- E. ASTM C1048 Standard Specification for Heat-Strengthened and Fully Tempered Flat Glass 2018.
- F. ASTM C1172 Standard Specification for Laminated Architectural Flat Glass 2019.
- G. ASTM C1193 Standard Guide for Use of Joint Sealants 2016.
- H. ASTM C1349 Standard Specification for Architectural Flat Glass Clad Polycarbonate 2017.
- I. GANA (SM) GANA Sealant Manual 2008.
- J. UL 752 Standard for Bullet-Resisting Equipment Current Edition, Including All Revisions.

# 1.04 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements for submittal procedures.
- B. Product Data on Glazing Compounds and Accessories: Provide chemical, functional, and environmental characteristics, limitations, special application requirements, and identify available colors.
- C. Warranty Documentation: Submit manufacturer warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.

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# 1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years of documented experience.
- B. Installer Qualifications: Company specializing in performing work of the type specified and with at least three years documented experience.

# 1.06 WARRANTY

- A. See Section 01 78 00 Closeout Submittals for additional warranty requirements.
- B. Laminated Glass: Provide a five (5) year manufacturer warranty to include coverage for delamination, including providing products to replace failed units.

#### PART 2 PRODUCTS

#### 2.01 MANUFACTURERS

- A. Glass Fabricators:
  - 1. GGI General Glass International: www.generalglass.com/#sle.
  - 2. Standard Bent Glass Corp: www.standardbent.com/#sle.
  - 3. Tecnoglass; Insulating Glass: www.tecnoglass.com/#sle.
  - 4. Thompson I.G., LLC: www.thompsonig.com/#sle.
  - 5. Trulite Glass & Aluminum Solutions, LLC: www.trulite.com/#sle.
  - 6. Viracon, Inc: www.viracon.com/#sle.
  - 7. Substitutions: See Section 01 60 00 Product Requirements.
- B. Laminated Glass Manufacturers:
  - 1. Cardinal Glass Industries: www.cardinalcorp.com/#sle.
  - 2. Tecnoglass; Laminated Glass: www.tecnoglass.com/#sle.
  - 3. Thompson I.G., LLC; Laminated Glass: www.thompsonig.com/#sle.
  - 4. Viracon, Architectural Glass segment of Apogee Enterprises, Inc: www.viracon.com/#sle.
  - 5. Substitutions: See Section 01 60 00 Product Requirements.

# 2.02 GLASS MATERIALS

- A. Float Glass: Provide float glass based glazing unless otherwise indicated.
  - 1. Annealed Type: ASTM C1036, Type I Transparent Flat, Class 1 Clear, Quality Q3.
  - 2. Kind HS Heat-Strengthened Type: Complies with ASTM C1048.
  - 3. Kind FT Fully Tempered Type: Complies with ASTM C1048.
    - a. Complies with ANSI Z97.1 or 16 CFR 1201 criteria for safety glazing used in hazardous
    - b. Complies with ANSI Z97.1 Class A and 16 CFR 1201 Category II criteria.
  - 4. Thicknesses: As indicated; provide greater thickness as required for exterior glazing wind load design.
- B. Laminated Glass: Float glass laminated in accordance with ASTM C1172.
  - 1. Laminated Safety Glass: Complies with ANSI Z97.1 Class B or 16 CFR 1201 Category I impact test requirements.

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# 2.03 GLAZING UNITS

- A. Type FG1 Monolithic Interior Vision Glazing:
  - 1. Applications: Interior glazing unless otherwise indicated.
  - 2. Glass Type: Fully tempered float glass.
  - 3. Tint: Clear.
  - 4. Thickness: 1/4 inch. nominal.
  - 5. Glazing Method: Dry glazing method, gasket glazing.
- B. Type BG1 Glass-Clad Polycarbonate Security Glazing: Laminated glass and polycarbonate, 2-Ply; ASTM C1349.
  - 1. Applications: Locations as indicated on drawings.
  - 2. Tint: Clear.
  - 3. Thickness: 1-1/8 inch.
  - 4. Outer Lite: Tempered glass.
  - 5. Interlayer: Polyvinyl butyral (PVB), thickness as required to meet performance criteria.
  - 6. Middle Lite: Tempered glass.
  - 7. Interlayer, Inboard Side: Polyvinyl butyral (PVB), thickness as required to meet performance criteria.
  - 8. Inside Lite: Polycarbonate.
  - 9. Performance Criteria:
    - a. Bullet Resistance: Pass UL 752 tests in compliance with ballistic criteria level and weapon description indicated; Level 4 .30 caliber rifle lead core.
  - 10. Visible Light Transmittance (VLT): 75 percent, nominal.
  - 11. Glazing Method: As required to meet performance criteria.
  - 12. Manufacturers:
    - a. Total Security Solutions: www.tssbulletproof.com.
    - b. Insulgard Security Products: www.insulgard.com.
    - c. Substitutions: See Section 01 60 00 Product Requirements.

#### 2.04 ACCESSORIES

- A. Setting Blocks: Silicone, with 80 to 90 Shore A durometer hardness; ASTM C864 Option II. Length of 0.1 inch for each square foot of glazing or minimum 4 inch by width of glazing rabbet space minus 1/16 inch by height to suit glazing method and pane weight and area.
- B. Glazing Splines: Resilient silicone extruded shape to suit glazing channel retaining slot; ASTM C864 Option II; color black.

#### PART 3 EXECUTION

# 3.01 VERIFICATION OF CONDITIONS

- A. Verify that openings for glazing are correctly sized and within tolerances, including those for size, squareness, and offsets at corners.
- B. Verify that surfaces of glazing channels or recesses are clean, free of obstructions that may impede moisture movement, weeps are clear, and support framing is ready to receive glazing system.

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C. Verify that sealing between joints of glass framing members has been completed effectively.

# 3.02 PREPARATION

- A. Clean contact surfaces with appropriate solvent and wipe dry within maximum of 24 hours before glazing. Remove coatings that are not tightly bonded to substrates.
- B. Seal porous glazing channels or recesses with substrate compatible primer or sealer.
- C. Prime surfaces scheduled to receive sealant where required for proper sealant adhesion.

# 3.03 INSTALLATION, GENERAL

- A. Install glazing in compliance with written instructions of glass, gaskets, and other glazing material manufacturers, unless more stringent requirements are indicated, including those in glazing referenced standards.
- B. Install glazing sealants in accordance with ASTM C1193, GANA (SM), and manufacturer's instructions.
- C. Do not exceed edge pressures around perimeter of glass lites as stipulated by glass manufacturer.
- D. Set glass lites of system with uniform pattern, draw, bow, and similar characteristics.
- E. Set glass lites in proper orientation so that coatings face exterior or interior as indicated.
- F. Prevent glass from contact with any contaminating substances that may be the result of construction operations such as, and not limited to the following; weld splatter, fire-safing, plastering, mortar droppings, etc.

# 3.04 INSTALLATION - DRY GLAZING METHOD (GASKET GLAZING)

- A. Application Exterior and/or Interior Glazed: Set glazing infills from either the exterior or the interior of the building.
- B. Place setting blocks at 1/4 points with edge block no more than 6 inch from corners.
- C. Rest glazing on setting blocks and push against fixed stop with sufficient pressure on gasket to attain full contact.
- D. Install removable stops without displacing glazing gasket; exert pressure for full continuous contact

# 3.05 INSTALLATION - PLASTIC FILM

- A. Install plastic film with adhesive, applied in accordance with film manufacturer's instructions.
- B. Place without air bubbles, creases or visible distortion.
- C. Install film tight to perimeter of glass and carefully trim film with razor sharp knife. Provide 1/16 inch to 1/8 inch gap at perimeter of glazed panel unless otherwise required. Do not score the glass.

# 3.06 FIELD QUALITY CONTROL

A. Glass and Glazing product manufacturers to provide field surveillance of the installation of their products.

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# 3.07 CLEANING

- A. Remove excess glazing materials from finish surfaces immediately after application using solvents or cleaners recommended by manufacturers.
- B. Remove nonpermanent labels immediately after glazing installation is complete.
- C. Clean glass and adjacent surfaces after sealants are fully cured.
- D. Clean glass on both exposed surfaces not more than 4 days prior to Date of Substantial Completion in accordance with glass manufacturer's written recommendations.

# 3.08 PROTECTION

- A. After installation, mark pane with an 'X' by using removable plastic tape or paste; do not mark heat absorbing or reflective glass units.
- B. Remove and replace glass that is damaged during construction period prior to Date of Substantial Completion.

# **END OF SECTION**

Project No. 23-471-1466 **SECTION 08 80 00** 08 80 00 - 5 **GLAZING** 

# SECTION 08 88 36.16 ELECTRONICALLY CONTROLLED SWITCHABLE GLASS

#### PART 1 GENERAL

#### 1.01 SECTION INCLUDES

A. Electronically controlled (EC) switchable privacy laminated glass units (LGU) and associated system controls.

## 1.02 RELATED REQUIREMENTS

- A. Section 08 43 13 Aluminum-Framed Storefronts: Supporting framework for EC tintable IGU.
- B. Section 26 05 83-Wiring Connections

# 1.03 ABBREVIATIONS AND ACRONYMS

- A. EC Electronically Controlled.
- B. IGU Insulating Glass Units.
- C. LGU Laminated Glass Units.

# 1.04 DEFINITIONS

- A. Bite: Width that edge of glass product is engaged into glazing channel.
- B. Busbar: Thin narrow strip of metal that conducts electricity, and is used to apply voltage across the EC surface of switchable glass or film.
- C. Fenestration: Openings in building's envelope including windows, doors, and skylights.
- D. Frame Cable: Cable that runs through framing system and connects EC glass pigtail to low voltage wiring system of building.
- E. Framing System: Metal supporting structure of EC glazing system.
- F. Glazing Performance Characteristics and Criteria for EC Laminated Glass Units (LGU):
  - 1. Privacy Mode: Natural (Off) state, with lowest visible light transmission.
  - 2. Non-Privacy Mode: Active (On) state, with highest visible light transmission.
- G. Laminated Glass: Two sheets of monolithic glass bonded together with interlayer sheet by heat and pressure.
- H. Pigtail: Electrical leads that extends from individual EC tintable IGU or LGU.

### 1.05 REFERENCE STANDARDS

- A. 16 CFR 1201 Safety Standard for Architectural Glazing Materials Current Edition.
- B. ANSI Z97.1 American National Standard for Safety Glazing Materials Used in Buildings Safety Performance Specifications and Methods of Test 2015 (Reaffirmed 2020).
- C. ASTM C1036 Standard Specification for Flat Glass 2021.
- D. ASTM C1048 Standard Specification for Heat-Strengthened and Fully Tempered Flat Glass 2018.

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- E. ASTM C1172 Standard Specification for Laminated Architectural Flat Glass 2019.
- F. ASTM C1184 Standard Specification for Structural Silicone Sealants 2018, with Editorial Revision.
- G. GANA (GIB 01-0300) Glass Informational Bulletin (Proper Procedures for Cleaning Architectural Glass Products) 2010.
- H. GANA (GIB TD-02-0402) Glass Informational Bulletin (Heat-Treated Glass Surfaces are Different) 2018.
- I. GANA (GM) GANA Glazing Manual 2022.
- J. IGMA TM-3000 North American Glazing Guidelines for Sealed Insulating Glass Units for Commercial & Residential Use 1990 (2016).
- K. NECA 1 Standard for Good Workmanship in Electrical Construction 2015.
- L. NFPA 70 National Electrical Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

# 1.06 ADMINISTRATIVE REQUIREMENTS

- A. Coordination: Coordinate installation of EC switchable glass as required for project configuration with following related building elements:
  - 1. Cables in framing system of exterior fenestration.
  - 2. Cables in wall and ceiling systems.
  - 3. Control system components.
  - 4. Electrical power supply.
- B. Preinstallation Meeting: Conduct preinstallation meeting one week prior to start of this Work to review procedures, schedules, safety, and coordination with other elements of project; attendance required by the following:
  - 1. Owner's Representative.
  - 2. Architect/Engineer.
  - 3. EC switchable glass manufacturer's representative.
  - 4. Manufacturer's representatives for systems that require an interface with this Work.
  - 5. Other installers affected by this Work.

# 1.07 SUBMITTALS

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- A. See Section 01 30 00 Administrative Requirements for submittal procedures.
- B. Product Data: Manufacturer's product data sheets including installation instructions.
- C. Shop Drawings: Submit the following for EC switchable glass overall system in accordance with project configuration indicated.
  - 1. Support Framing System: Include framing system and accommodations for cables, components, cable routing, location of connectors, and exits from framing system.
  - 2. Control System: Indicate location of system components, proposed routing of system cabling, and associated power requirements.
    - a. Include schematic wiring diagram showing field connections.

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- 3. Individual Pane Zoning Layout: Indicate EC tintable zones for IGU as required for project.
- D. Samples: One EC switchable glass samples, with each achieving two end states, and no intermediate states.
- E. Designer's qualification statement.
- F. Manufacturer's qualification statement.
- G. Installer's qualification statement.

# 1.08 QUALITY ASSURANCE

- A. Designer Qualifications: Perform design under direct supervision of a Professional Engineer experienced in design of this type of work and licensed in the State in which the Project is located.
- B. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than five years of documented experience.
- C. Installer Qualifications: Company specializing in performing work specified in this section, with at least five years of documented experience and approved by manufacturer.

# 1.09 DELIVERY, STORAGE, AND HANDLING

- A. Comply with manufacturer's instruction for receiving, handling, storing, and protecting materials.
- B. Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.
- C. Store materials in original packaging, protected from exposure to harmful environmental conditions including static electricity, and at temperature and humidity conditions recommended by manufacturer.
- D. Exercise care to prevent edge damage to glass, wiring, and coatings on glass.

#### 1.10 FIELD CONDITIONS

- A. Ambient Conditions: Ensure that substrate surface and ambient air temperature are at least 40 degrees F and rising, and remain above that temperature for at least 24 hours after application of sealants.
- B. Maintain ambient temperature at greater than 32 degrees F during installation of system related cabling.
- C. Provide an activated climate-controlled interior environment for installation of EC switchable glass control system components.

# 1.11 WARRANTY

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- A. See Section 01 78 00 Closeout Submittals for additional warranty requirements.
- B. Manufacturer Warranty: Provide five-year manufacturer warranty for EC switchable glass units with laminated glass products against lamination defects, including edge separation or delamination that materially obstruct vision through the glass. Complete forms in Owner's name and register with manufacturer.

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C. Manufacturer Warranty: Provide two-year manufacturer warranty for EC tintable controls against defects in material or workmanship. Complete forms in Owner's name and register with manufacturer.

# PART 2 PRODUCTS

#### 2.01 MANUFACTURERS

- A. EC Switchable Privacy Laminated Glass Units (LGU):
  - Manufacturers:
    - a. Goldray Industries, Inc; QuickFrost: www.goldrayglass.com/#sle.
    - b. McGrory Glass, Inc; ElectraView by McGrory Glass: www.mcgrory.com/#sle.
    - c. Privacy Glass Solutions; Clarity: www.privacyglasssolutions.com/#sle.
    - d. Thompson I.G., LLC; Interior Switchable Privacy Glass: www.thompsonig.com/#sle.
    - e. Substitutions: See Section 01 60 00 Product Requirements.

# 2.02 PERFORMANCE REQUIREMENTS

#### 2.03 CONTROLS

- A. Unless specifically indicated to be excluded, provide required equipment, conduit, boxes, wiring, connectors, hardware, supports, accessories, software, and system programming, etc. as necessary for a complete EC switchable glass and film operating system.
- B. Provide control system and associated components that achieve system control requirements described under PERFORMANCE REQUIREMENTS article above.
- C. Manual Control Switches:
  - 1. Allows selection of full tint and full clear.
  - 2. Provides indication of current tint level.
- D. Class 2 Low Voltage Cables: Plenum rated.
- E. Use weathertight connectors for connection of frame cables to IGU pigtails.

### 2.04 GLASS MATERIALS

- A. Float Glass: Glazing to be float glass unless otherwise indicated.
  - 1. Annealed Type: ASTM C1036, Type 1, transparent flat, Class 1 clear, Quality Q3 (glazing select).
  - 2. Kind HS Heat Strengthened and Kind FT Fully Tempered in accordance with ASTM C1048.
  - 3. Thicknesses: As indicated; for exterior glazing comply with specified requirements for wind load design regardless of specified thickness.
- B. Laminated Glass: Float glass laminated in accordance with ASTM C1172 and fabricated in autoclave with heat and pressure, free of foreign substances and air pockets.
  - 1. Safety Glass: Comply with ANSI Z97.1 and 16 CFR 1201 test requirements for Category II.
  - 2. Interlayer: Polyvinyl butyral (PVB) type, clear, 0.060 inch thick, minimum.

# 2.05 ELECTRONICALLY CONTROLLED (EC) PRIVACY LAMINATED GLASS UNITS (LGU)

- A. EC Privacy LGU: Maximum size of 48 inch by 110 inch and minimum size of 12 inch by 12 inch.
  - 1. EC laminated glass with switchable film between two glass lites and attached to power source.

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- 2. Applications: Interior vertical glazing.
- Laminated Lite:
  - a. Outer Ply, Glass Type: Kind FT Fully Tempered float glass.
    - 1) Nominal Thickness: Manufacturers standard thickness for performance requirements indicated.
    - 2) Glass Color: Class 1 Clear.
  - b. Inner Ply, Glass Type: Find FT Fully Tempered float glass.
    - 1) Nominal Thickness: Manufacturers standard for performance requirements indicated.
    - 2) Glass Color: Class 1 Clear.
  - c. Interlayer: Polyvinyl butyral (PVB) type.
- 4. Overall Thickness of LGU: 1" inch.

# 2.06 ELECTRONICALLY CONTROLLED (EC) PRIVACY FILMS

- A. EC Privacy Film:
  - 1. EC multilayer switchable film attached to power source.
  - 2. Applications: As indicated on drawings.
  - 3. Maximum Width: 49 inches.
  - 4. Thickness: 0.010 inch.

# 2.07 CONNECTORS

- A. EC Glass Busbars: Provide along edge of glass, and elsewhere as necessary, in accordance with EC tintable IGU performance requirements indicated.
  - 1. Pigtails: Multiconductor sheathed cable extending from edge of EC tintable IGU and terminated with weatherproof connector for connection to frame cable within glazing pocket.
    - a. Pigtail Length: 6 inch, minimum.
    - b. Provide 7/16 inch minimum diameter hole through framing.
- B. EC Film Busbars: Manufacturer's standard, preinstalled along top edge of film.
  - 1. Pigtails: Low-voltage wiring presoldered to busbars and attached securely to glass panel.

#### 2.08 ACCESSORIES

- A. Glazing Materials: Compatible with EC switchable glass components.
- B. EC Film Edge Sealing Tape: Clear, protective polyurethane flexible overlaminate dielectric film recommended by EC film manufacturer.
- C. EC Film Busbar Sealing Dielectric Tape: Same as edge sealing tape.
- D. EC Film Busbar Cover Caps: Nonconductive PVC moldings recommended by EC film manufacturer.
  - 1. Color: White.
- E. Structural Silicone Sealant: Self-priming, elastomeric adhesive complying with ASTM C1184 and recommended by EC film manufacturer.
- F. Glass Cleaner: As recommended by EC film manufacturer.

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**GLASS** 

#### PART 3 EXECUTION

# 3.01 VERIFICATION OF CONDITIONS

- A. Verify that site conditions are acceptable for installation of EC switchable glass system components.
- B. Verify openings for installation of EC switchable glass are correctly sized and within acceptable tolerances.
- C. Verify that framing weep system is operating properly and in accordance with GANA (GM) recommendations.
- D. Verify that required minimum face and edge clearances are being maintained.
- E. Verify that glazing channels, weeps and recesses are clear and free of obstructions and ready for glazing.
- F. Verify that glazing pocket is dry where EC switchable glass pigtail and frame cable connection are required to be made.
- G. Verify that framing system is sized appropriately for EC switchable glass thickness and proper precautions are taken to not over compress edge seals upon installation.
- H. Verify that EC switchable glass secondary seal is compatible with glazing sealants.
- I. Verify frame channel dimensions are adequate for required cable runs to be made.
- J. Verify locations of penetrations within framing system are acceptable for frame cables and sensor cables into building.
- K. Verify electrical rough-in of any conduits and/or boxes required for installation of cables and system devices is complete.
- L. Correct any conditions deemed unsatisfactory, and do not proceed with this glazing Work until unsatisfactory conditions have been properly corrected and are complete.

# 3.02 PREPARATION

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- A. Prepare glazing channels and other framing members to receive EC switchable glass, pigtails, and frame cable in accordance with manufacturer's recommendations and project requirements.
- B. Remove coatings and other harmful materials from glazing substrates that may inhibit specified EC switchable glass performance requirements.
- C. Ensure that system related cabling is conditioned at room temperature for at least 24 hours prior to installation.
- D. Comply with approved shop drawings and manufacturer's recommendations to modify glass framing as required to accommodate wiring connections to EC film.
- E. Clean glass scheduled to receive EC film.

# 3.03 ELECTRONICALLY CONTROLLED SWITCHABLE GLASS UNITS INSTALLATION

- A. Install system components in accordance with manufacturer's recommendations for LGU, IGU, sealants, gaskets and other glazing materials, pigtails, and frame cables and in compliance with more stringent requirements as indicated in GANA (GM).
- B. Comply with framing manufacturer's and referenced industry recommendations regarding installation of expansion joints and anchors, accommodation of thermal movement, glass openings. use of setting blocks and spacer shims, and weep system layout.
- C. Install EC switchable glass in prepared glazing channels and framing members in compliance with glass manufacturer's labels and indicated glass orientations.
- D. Install glazing units so that active switchable areas of glazing unit extend from edge to edge of finished window system opening without any visible light transmitted along entire perimeter of each glazing unit.
- E. Protect glass from edge damage during handling and installation.
- F. Protect EC switchable glass pigtail, frame and sensor cables from any damage during installation.
  - 1. Use grommets during installation to protect pigtails and cables routed through framing.
  - 2. When frame cable or connector is damaged during installation, replace in accordance with EC switchable glass manufacturer's approved method.
  - 3. When EC switchable glass pigtail connector is damaged during installation, notify EC switchable glass manufacturer for repair or replacement of damaged components using manufacturer's approved method.
- G. Install cabling so that it will not be exposed to direct sunlight, even through glass.
  - 1. Where installation in an exposed location is necessary, cover or paint cable using a latex water based paint in accordance with manufacturer's approved method.
- H. Install setting blocks in glazing pocket as recommended by applicable glazing standards in accordance with GANA (GM) or IGMA TM-3000, and EC switchable glass manufacturer's glazing guidelines.
- I. Install edge spacer shims at each side glazing pocket to prevent IGU's from moving horizontally upon installation.
- J. Provide bite on glass, minimum edge and face clearances, and glazing material tolerances as indicated in GANA (GM) and as approved by manufacturer.
- K. Provide fully functional weep system throughout IGU framing system as indicated in GANA (GM).
- L. Distribute weight of IGU along entire bottom edge rather than only at corners.
- M. Install IGU's in accordance with IGMA TM-3000, and as follows:
  - 1. For dry glazed systems, provide an adequate seal consisting of at least 4 lbs per inch and not exceeding 10 lbs per inch pressure applied to the edges of IGU's by gaskets or other acceptable glazing materials.

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# 3.04 ELECTRONICALLY CONTROLLED SWITCHABLE FILM INSTALLATION

A. Clean glass with wetting solution recommended by film manufacturer.

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- B. Install system components in accordance with manufacturer's instructions and approved shop drawings.
- C. Seal film edges by using clear dielectric sealing tape or neutral silicone sealant recommended or approved by film manufacturer.
- D. Seal busbars using clear dielectric sealing tape or neutral silicone sealant recommended or approved by film manufacturer.
- E. Conceal busbars using nonconductive cap strips recommended by film manufacturer. Install strips in continuous bead of specified sealant.

#### 3.05 CONTROL SYSTEM INSTALLATION

- A. Perform control system installation work in accordance with NECA 1 and in compliance with NFPA 70 requirements.
- B. Install system components in accordance with manufacturer's requirements.
- C. Mounting Locations:
- D. Class 2 Low Voltage Wiring Method: Unless noted otherwise, use cables not installed in conduit where possible.
  - 1. Install Class 2 low voltage wiring in conduit where required for rough-in, where required by authorities having jurisdiction, and where exposed to damage.
  - 2. Conduit: Comply with Section 26 05 83.
  - 3. Conceal cables unless specifically indicated to be exposed.
  - 4. Route exposed cables parallel or perpendicular to building structural members and surfaces.
- E. Provide grounding and bonding in accordance with Section 26 05 83.
- F. Identify system wiring and components in accordance with Section 26 05 83.

# 3.06 FIELD QUALITY CONTROL

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- A. See Section 01 40 00 Quality Requirements for additional requirements.
- B. Verify that EC switchable glass and corresponding pigtail cables are installed in proper orientation in accordance with approved shop drawings.
- C. Test to verify wiring is free of shorts and grounds.
- D. Prepare and start system in accordance with manufacturer's instructions.
- E. Program system in accordance with project requirements.
- F. Test system to confirm for proper operation.

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- G. Correct defective work, adjust for proper operation, and retest until entire system complies with Contract Documents.
- H. Submit detailed reports indicating inspection and testing results and corrective actions taken.

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# 3.07 CLEANING

- A. Clean EC switchable glass on both exposed glass surfaces immediately after installation and curing of sealants in accordance with manufacturer's, GANA (GIB 01-0300) and GANA (GIB TD-02-0402) requirements.
  - 1. Remove labels and markings from glass.
  - 2. Do not use scrapers or other metal tools to clean glass.

# 3.08 CLOSEOUT ACTIVITIES

- A. See Section 01 78 00 Closeout Submittals for closeout submittals.
- B. See Section 01 79 00 Demonstration and Training for additional requirements.
- C. Demonstration: Demonstrate operation of EC switchable glass control system and equipment to Owner's designated personnel.
  - 1. Use operation and maintenance data as reference during demonstration.
  - 2. Briefly describe function, operation, and maintenance of each component.
- D. Training: Train Owner's personnel on operation and maintenance of system.
  - 1. Use operation and maintenance manual as training reference, supplemented with additional training materials as required.
  - 2. Provide minimum of two hours of training.
  - 3. Instructor: Manufacturer's training personnel.
  - 4. Location: At project site.

# 3.09 PROTECTION

- A. IGU Argon Analyzer Testing: Do not allow use of high voltage spark type inert gas analyzers on EC tintable IGU as this may damage film and controls, and potentially void warranty.
- B. Protect EC switchable glass and film installations from subsequent construction operations until Date of Substantial Completion.
- C. Protect glass from coming into contact with contaminating construction related substances such as weld spatter, fireproofing, plaster, and concrete or mortar slurry.
- D. Remove damaged glass that is broken, chipped, cracked, or damaged in any way, and replace with new materials.
  - 1. Damaged Glass: Glass with edge damage or other imperfections that when installed could weaken glass and impair performance and/or appearance.

# **END OF SECTION**

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# SECTION 09 05 61 COMMON WORK RESULTS FOR FLOORING PREPARATION

# PART 1 GENERAL

# 1.01 SECTION INCLUDES

- A. This section applies to floors identified in Contract Documents that are receiving the following types of floor coverings:
  - 1. Resilient tile and sheet.
  - 2. Carpet tile.
- B. Removal of existing floor coverings.
- C. Preparation of existing concrete floor slabs for installation of floor coverings.
- D. Patching compound.
- E. Remedial floor coatings.

# 1.02 RELATED REQUIREMENTS

- A. Section 01 21 00 Allowances: Floor Moisture Mitigation Allowance.
- B. Section 01 40 00 Quality Requirements: Additional requirements relating to testing agencies and testing.

# 1.03 PRICE AND PAYMENT PROCEDURES

# 1.04 REFERENCE STANDARDS

- A. ASTM C109/C109M Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50 mm] Cube Specimens) 2021.
- B. ASTM C472 Standard Test Methods for Physical Testing of Gypsum, Gypsum Plasters, and Gypsum Concrete 2020.
- C. RFCI (RWP) Recommended Work Practices for Removal of Resilient Floor Coverings 2011.

# 1.05 ADMINISTRATIVE REQUIREMENTS

A. Coordinate scheduling of cleaning and testing, so that preliminary cleaning has been completed for at least 24 hours prior to testing.

# 1.06 SUBMITTALS

- A. Visual Observation Report: For existing floor coverings to be removed.
- B. Floor Covering and Adhesive Manufacturers' Product Literature: For each specific combination of substrate, floor covering, and adhesive to be used; showing:
  - 1. Moisture and alkalinity (pH) limits and test methods.
  - 2. Manufacturer's required bond/compatibility test procedure.
- C. Remedial Materials Product Data: Manufacturer's published data on each product to be used for remediation.

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1. Manufacturer's qualification statement.

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COMMON WORK RESULTS FOR FLOORING

**PREPARATION** 

- 2. Certificate: Manufacturer's certification of compatibility with types of flooring applied over remedial product.
- 3. Test reports indicating compliance with specified performance requirements, performed by nationally recognized independent testing agency.
- 4. Manufacturer's installation instructions.
- 5. Specimen Warranty: Copy of warranty to be issued by coating manufacturer and certificate of underwriter's coverage of warranty.
- D. Testing Agency's Report:
  - 1. Description of areas tested; include floor plans and photographs if helpful.
  - 2. Summary of conditions encountered.
  - 3. Moisture and alkalinity (pH) test reports.
  - 4. Copies of specified test methods.
  - 5. Recommendations for remediation of unsatisfactory surfaces.
  - 6. Product data for recommended remedial coating.
  - 7. Certificate: Include certification of accuracy by authorized official of testing agency.
  - 8. Submit report to Architect/Engineer.
  - 9. Submit report not more than two business days after conclusion of testing.
- E. Adhesive Bond and Compatibility Test Report.
- F. Copy of RFCI (RWP).

#### 1.07 QUALITY ASSURANCE

- A. Moisture and alkalinity (pH) testing shall be performed by an independent testing agency employed and paid by Contractor.
- B. Contractor may perform adhesive and bond test with Contractor's own personnel or hire a testing agency.
- C. Testing Agency Qualifications: Independent testing agency experienced in the types of testing specified.
  - 1. Submit evidence of experience consisting of at least 3 test reports of the type required, with project Owner's project contact information.
- D. Contractor's Responsibility Relating to Independent Agency Testing:
  - 1. Procure the testing agency and submit testing agency's qualifications for Owner and Architect/Engineer approval.
  - 2. Provide access for and cooperate with testing agency.
  - 3. Confirm date of start of testing at least 10 days prior to actual start.
  - 4. Allow at least 4 business days on site for testing agency activities.
  - 5. Achieve and maintain specified ambient conditions.
  - 6. Notify Owner and Architect/Engineer when specified ambient conditions have been achieved and when testing will start.
- E. Remedial Coating Installer Qualifications: Company specializing in performing work of the type specified in this section, trained by or employed by coating manufacturer, and able to provide at least 3 project references showing at least 3 years' experience installing moisture emission coatings.

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COMMON WORK RESULTS FOR FLOORING
PREPARATION

# 1.08 DELIVERY, STORAGE, AND HANDLING

- A. Deliver, store, handle, and protect products in accordance with manufacturer's instructions and recommendations.
- B. Deliver materials in manufacturer's packaging; include installation instructions.
- C. Keep materials from freezing.

#### 1.09 FIELD CONDITIONS

- A. Maintain ambient temperature in spaces where concrete testing is being performed, and for at least 48 hours prior to testing, at not less than 65 degrees F or more than 85 degrees F.
- B. Maintain relative humidity in spaces where concrete testing is being performed, and for at least 48 hours prior to testing, at not less than 40 percent and not more than 60 percent.

#### PART 2 PRODUCTS

#### 2.01 MATERIALS

- A. Patching Compound: Floor covering manufacturer's recommended product, suitable for conditions, and compatible with adhesive and floor covering. In the absence of any recommendation from flooring manufacturer, provide a product with the following characteristics:
  - 1. Cementitious moisture-, mildew-, and alkali-resistant compound, compatible with floor, floor covering, and floor covering adhesive, and capable of being feathered to nothing at edges.
  - 2. Latex or polyvinyl acetate additions are permitted; gypsum content is prohibited.
  - 3. Compressive Strength: 3000 psi, minimum, after 28 days, when tested in accordance with ASTM C109/C109M or ASTM C472, whichever is appropriate.
- B. Alternate Flooring Adhesive: Floor covering manufacturer's recommended product, suitable for the moisture and pH conditions present; low-VOC. In the absence of any recommendation from flooring manufacturer, provide a product recommended by adhesive manufacturer as suitable for substrate and floor covering and for conditions present.
- C. Remedial Floor Coating: Single- or multi-layer coating or coating/overlay combination intended by its manufacturer to resist water vapor transmission to degree sufficient to meet flooring manufacturer's emission limits, resistant to the level of alkalinity (pH) found, and suitable for adhesion of flooring without further treatment.
  - 1. Thickness: As required for application and in accordance with manufacturer's installation instructions.
  - 2. Use product recommended by testing agency.

# PART 3 EXECUTION

# 3.01 CONCRETE SLAB PREPARATION

- A. Follow recommendations of testing agency.
- B. Perform following operations in the order indicated:
  - 1. Existing concrete slabs (on-grade and elevated) with existing floor coverings:
    - a. Visual observation of existing floor covering, for adhesion, water damage, alkaline deposits, and other defects.

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**SECTION 09 05 61** 

- Removal of existing floor covering.
- 2. Existing concrete slabs with coatings or penetrating sealers/hardeners/dustproofers:
  - a. Do not attempt to remove coating or penetrating material.
  - b. Do not abrade surface.
- 3. Preliminary cleaning.
- 4. Specified remediation, if required.
- 5. Patching, smoothing, and leveling, as required.
- 6. Other preparation specified.
- 7. Adhesive bond and compatibility test.
- 8. Protection.

#### C. Remediations:

- 1. Active Water Leaks or Continuing Moisture Migration to Surface of Slab: Correct this condition before doing any other remediation; re-test after correction.
- 2. Excessive Moisture Emission or Relative Humidity: If an adhesive that is resistant to the level of moisture present is available and acceptable to flooring manufacturer, use that adhesive for installation of the flooring; if not, apply remedial floor coating or remedial sheet membrane over entire suspect floor area.
- 3. Excessive Alkalinity (pH): If remedial floor coating is necessary to address excessive moisture, no additional remediation is required; if not, if an adhesive that is resistant to the level present is available and acceptable to the flooring manufacturer, use that adhesive for installation of the flooring; otherwise, apply a skim coat of specified patching compound over entire suspect floor area.

#### 3.02 REMOVAL OF EXISTING FLOOR COVERINGS

- A. Comply with local, State, and federal regulations and recommendations of RFCI (RWP), as applicable to floor covering being removed.
- B. Dispose of removed materials in accordance with local, State, and federal regulations and as specified.

# 3.03 PRELIMINARY CLEANING

- A. Clean floors of dust, solvents, paint, wax, oil, grease, asphalt, residual adhesive, adhesive removers, film-forming curing compounds, sealing compounds, alkaline salts, excessive laitance, mold, mildew, and other materials that might prevent adhesive bond.
- B. Do not use solvents or other chemicals for cleaning.

# 3.04 PREPARATION

- A. See individual floor covering section(s) for additional requirements.
- B. Comply with recommendations of testing agency.
- C. Comply with requirements and recommendations of floor covering manufacturer.
- D. Fill and smooth surface cracks, grooves, depressions, control joints and other non-moving joints, and other irregularities with patching compound.

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E. Do not fill expansion joints, isolation joints, or other moving joints.

**SECTION 09 05 61** COMMON WORK RESULTS FOR FLOORING

# 3.05 ADHESIVE BOND AND COMPATIBILITY TESTING

A. Comply with requirements and recommendations of floor covering manufacturer.

# 3.06 APPLICATION OF REMEDIAL FLOOR COATING

A. Comply with requirements and recommendations of coating manufacturer.

# 3.07 PROTECTION

A. Cover prepared floors with building paper or other durable covering.

**END OF SECTION** 

# SECTION 09 21 16 GYPSUM BOARD ASSEMBLIES

#### PART 1 GENERAL

### 1.01 SECTION INCLUDES

- A. Metal stud wall framing.
- B. Metal channel ceiling framing.
- C. Acoustic insulation.
- D. Gypsum sheathing.
- E. Cementitious backing board.
- F. Gypsum wallboard.
- G. Joint treatment and accessories.

#### 1.02 RELATED REQUIREMENTS

- A. Section 06 10 00 Rough Carpentry: Wood blocking product and execution requirements.
- B. Section 07 92 00 Joint Sealants: Sealing acoustical gaps in construction other than gypsum board or plaster work.

#### 1.03 REFERENCE STANDARDS

- A. AISI S100 North American Specification for the Design of Cold-Formed Steel Structural Members 2016, with Supplement (2020).
- B. AISI S220 North American Standard for Cold-Formed Steel Nonstructural Framing 2020.
- C. ANSI A108.11 American National Standard Specifications for Interior Installation of Cementitious Backer Units 2018.
- D. ANSI A118.9 American National Standard Specifications for Test Methods and Specifications for Cementitious Backer Units 2019.
- E. ASTM A36/A36M Standard Specification for Carbon Structural Steel 2019.
- F. AISI SG02-1 North American Specification for the Design of Cold-Formed Steel Structural Members; American Iron and Steel Institute; 2001 with 2004 supplement. (replaced SG-971)
- G. ASTM A653/A653M Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process 2022.
- H. ASTM A1003/A1003M Standard Specification for Steel Sheet, Carbon, Metallic- and Nonmetallic-Coated for Cold-Formed Framing Members 2015.
- ASTM C475/C475M Standard Specification for Joint Compound and Joint Tape for Finishing Gypsum Board 2017 (Reapproved 2022).
- J. ASTM C840 Standard Specification for Application and Finishing of Gypsum Board 2020.

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- K. ASTM C954 Standard Specification for Steel Drill Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Steel Studs from 0.033 in. (0.84 mm) to 0.112 in. (2.84 mm) in Thickness 2022.
- L. ASTM C1047 Standard Specification for Accessories for Gypsum Wallboard and Gypsum Veneer Base 2019.
- M. ASTM C1325 Standard Specification for Fiber-Mat Reinforced Cementitious Backer Units 2022.
- N. ASTM C1396/C1396M Standard Specification for Gypsum Board 2017.
- O. ASTM D3273 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber 2021.
- P. GA-216 Application and Finishing of Gypsum Panel Products 2021.

#### 1.04 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements for submittal procedures.
- B. Product Data:
  - 1. Provide manufacturer's data on partition head to structure connectors, showing compliance with requirements.

# 1.05 QUALITY ASSURANCE

A. Installer Qualifications: Company specializing in performing work of the type specified and with at least five years of documented experience.

# 1.06 DELIVERY, STORAGE, AND HANDLING

- A. Store gypsum products and accessories indoors and keep above freezing. Elevate boards above floor, on nonwicking supports, in accordance with manufacturer's recommendations.
- B. Store metal products to prevent corrosion.

# PART 2 PRODUCTS

# 2.01 GYPSUM BOARD ASSEMBLIES

A. Provide completed assemblies complying with ASTM C840 and GA-216.

# 2.02 METAL FRAMING MATERIALS

- A. Manufacturers Metal Framing, Connectors, and Accessories:
  - 1. ClarkDietrich Building Systems: www.clarkdietrich.com.
  - 2. Marino\WARE: www.marinoware.com.
  - 3. Steel Construction Systems: www.steelconsystems.com.
  - 4. The Steel Network, Inc: www.steelnetwork.com.
  - 5. Super Stud Building Products, Inc: www.buysuperstud.com.
  - 6. Substitutions: See Section 01 60 00 Product Requirements.
- B. Non-Loadbearing Framing System Components: ASTM C645; galvanized sheet steel, of size and properties necessary to comply with ASTM C754 for the spacing indicated, with maximum deflection of wall framing of L/240 at 5 psf.

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- 1. Studs: C-shaped with ribbed webs, and flanges with rolled edge stiffeners.
  - a. Products:
    - 1) ClarkDietrich Building Systems; ProSTUD or TRAKLOC Drywall Framing Systems: www.clarkdietrich.com.
    - 2) Marino\WARE; ViperStud Drywall Framing System: www.marinoware.com.
    - 3) Steel Construction Systems; Supreme Framing System: www.steelconsystems.com.
    - 4) The Steel Network, Inc.; PrimeWall or PrimeWall EQ framing systems: www.steelnetwork.com.
    - 5) Super Stud Building Products, Inc.; The EDGE Steel Framing System: www.buysuperstud.com.
    - 6) Substitutions: See Section 01 60 00 Product Requirements.
- 2. Ceiling Channels: C-shaped.
- 3. Furring Members: Zee-shaped sections, minimum depth of 2 inch.
  - a. Products:
    - 1) MBA Building Supplies; MBA Z-Furring: www.mbastuds.com/#sle.
    - 2) Substitutions: See Section 01 60 00 Product Requirements.
- C. Partition Head to Structure Connections: Provide mechanical anchorage devices that accommodate deflection and prevent rotation of studs while maintaining structural performance of partition.
  - 1. Structural Performance: Maintain lateral load resistance and vertical movement capacity required by applicable code, when evaluated in accordance with AISI S100.
  - 2. Material: ASTM A653/A653M steel sheet, SS Grade 50/340, with G60/Z180 hot-dipped galvanized coating.
  - 3. Provide mechanical anchorage devices as described above that accommodate deflection while maintaining the fire-resistance rating of the wall assembly.
- D. Non-structural Framing Accessories:
  - 1. Partial Height Wall Framing Support: Provides stud reinforcement and anchored connection to floor.
    - a. Materials: ASTM A36/A36M formed sheet steel support member with factory-welded ASTM A1003/A1003M steel plate base.
    - b. Height: 23-3/4 inches, 35-3/4 inches, and 47-3/4 inches.
    - c. Products:
      - 1) ClarkDietrich; Pony Wall (PW): www.clarkdietrich.com.
      - 2) Substitutions: See Section 01 60 00 Product Requirements.
- E. Grid Suspension Systems: Steel grid system of main tees and support bars connected to structure using hanging wire.
  - 1. Products:
    - a. USG Corporation; Drywall Suspension System: www.usg.com.
    - b. Substitutions: See Section 01 60 00 Product Requirements.

# 2.03 BOARD MATERIALS

- A. Manufacturers Gypsum-Based Board:
  - 1. American Gypsum Company: www.americangypsum.com.
  - 2. CertainTeed Corporation: www.certainteed.com.
  - 3. Georgia-Pacific Gypsum: www.gpgypsum.com.

- 4. National Gypsum Company: www.nationalgypsum.com/.
- 5. USG Corporation: www.usg.com.
- 6. Substitutions: See Section 01 60 00 Product Requirements.
- B. Gypsum Wallboard: Paper-faced gypsum panels as defined in ASTM C1396/C1396M; sizes to minimize joints in place; ends square cut.
  - 1. Application: Use for vertical surfaces and ceilings, unless otherwise indicated.
  - 2. Mold Resistance: Score of 10, when tested in accordance with ASTM D3273.
    - a. Mold resistant board is required at all locations.
  - 3. Thickness:
    - a. Vertical Surfaces: 5/8 inch.
    - b. Ceilings: 5/8 inch.
  - 4. Mold-Resistant, Paper-Faced Products:
    - a. American Gypsum Company; M-Bloc Type X: www.americangypsum.com.
    - b. American Gypsum Company; M-Bloc Type C: www.americangypsum.com.
    - c. CertainTeed Corporation; M2Tech 5/8" Type X Moisture & Mold Resistant Drywall: www.certainteed.com.
    - d. Georgia-Pacific Gypsum; ToughRock Fireguard X Mold-Guard: www.gpgypsum.com.
    - e. National Gypsum Company; Gold Bond XP Gypsum Board: www.nationalgypsum.com.
    - f. USG Corporation; USG Sheetrock Brand EcoSmart Panels Mold Tough Firecode X: www.usg.com.
    - g. Substitutions: See Section 01 60 00 Product Requirements.
- C. Backing Board For Vertical Tiled Surfaces:
  - 1. Application: Surfaces behind tile in wet and non-wet areas, including, but not limited to, restrooms.
  - 2. Mold Resistance: Score of 10, when tested in accordance with ASTM D3273.
  - ANSI Cement-Based Board: Non-gypsum-based; aggregated Portland cement panels with glass fiber mesh embedded in front and back surfaces complying with ANSI A118.9 or ASTM C1325.
    - a. Thickness: 1/2 inch, minimum.
    - b. Products:

# 2.04 GYPSUM WALLBOARD ACCESSORIES

- A. Acoustic Insulation: ASTM C665; preformed glass fiber, friction fit type, unfaced. Thickness: 3 inch unless indicated otherwise on the Drawings.
- B. Acoustic Sealant: Acrylic emulsion latex or water-based elastomeric sealant; do not use solvent-based non-curing butyl sealant.
  - 1. Products:
    - a. Franklin International, Inc; Titebond GREENchoice Professional Acoustical Smoke and Sound Sealant: www.titebond.com.
    - b. Liquid Nails, a brand of PPG Architectural Coatings: www.liquidnails.com.
    - c. Specified Technologies Inc; Smoke N Sound Acoustical Sealant: www.stifirestop.com.
    - d. Substitutions: See Section 01 60 00 Product Requirements.
- C. Finishing Accessories: ASTM C1047, paper-faced galvanized steel, unless noted otherwise.
  - 1. Types: As detailed or required for finished appearance.

- 2. Special Shapes: In addition to conventional corner bead and control joints, provide U-bead at exposed panel edges.
- 3. Manufacturers: As for framing materials.
- D. Beads, Joint Accessories, and Other Trim: ASTM C1047, rigid plastic or galvanized steel, unless noted otherwise.
- E. Joint Materials: ASTM C475/C475M and as recommended by gypsum board manufacturer for project conditions.
  - 1. Tape: 2 inch wide, coated glass fiber tape or creased paper tape for joints and corners, except as otherwise indicated.
  - 2. Joint Compound: Setting type, field-mixed.
- F. High Build Drywall Surfacer: Vinyl acrylic latex-based coating for spray application, designed to take the place of skim coating and separate paint primer in achieving Level 5 finish.
- G. Screws for Fastening of Gypsum Panel Products to Steel Members from 0.033 to 0.112 inch in Thickness: ASTM C954; steel drill screws, corrosion-resistant.
- H. Anchorage to Substrate: Tie wire, nails, screws, and other metal supports, of type and size to suit application; to rigidly secure materials in place.

# PART 3 EXECUTION

# 3.01 EXAMINATION

A. Verify that project conditions are appropriate for work of this section to commence.

# 3.02 FRAMING INSTALLATION

- A. Metal Framing: Install in accordance with AISI S220 and manufacturer's instructions.
- B. Suspended Ceilings and Soffits: Space framing and furring members as indicated.
  - 1. Level ceiling system to a tolerance of 1/1200.
  - 2. Laterally brace entire suspension system.
  - 3. Install bracing as required at exterior locations to resist wind uplift.
- C. Studs: Space studs at 16 inches on center.
  - 1. Extend partition framing to structure where indicated and to ceiling in other locations.
  - 2. Partitions Terminating at Ceiling: Attach ceiling runner securely to ceiling track in accordance with manufacturer's instructions.
  - Partitions Terminating at Structure: Attach top runner to structure, maintain clearance between top of studs and structure, and connect studs to track using specified mechanical devices in accordance with manufacturer's instructions; verify free movement of top of stud connections; do not leave studs unattached to track.
- D. Blocking: Install wood blocking for support of:
  - 1. Framed openings.
  - 2. Wall-mounted cabinets.
  - 3. Plumbing fixtures.
  - 4. Toilet partitions.
  - Toilet accessories.
  - 6. Wall-mounted door hardware.

# 3.03 ACOUSTIC ACCESSORIES INSTALLATION

- A. Acoustic Insulation: Place tightly within spaces, around cut openings, behind and around electrical and mechanical items within partitions, and tight to items passing through partitions.
- B. Acoustic Sealant: Install in accordance with manufacturer's instructions.
  - 1. Place continuous bead at perimeter of each layer of gypsum board.
  - 2. Seal around all penetrations by conduit, pipe, ducts, rough-in boxes, and structural and supporting elements, except where firestopping is provided.

#### 3.04 BOARD INSTALLATION

- A. Comply with ASTM C840, GA-216, and manufacturer's instructions. Install to minimize butt end joints, especially in highly visible locations.
- B. Single-Layer Nonrated: Install gypsum board in most economical direction, with ends and edges occurring over firm bearing.
  - 1. Exception: Tapered edges to receive joint treatment at right angles to framing.
- C. Cementitious Backing Board: Install over steel framing members and plywood substrate where indicated, in accordance with ANSI A108.11 and manufacturer's instructions.
- D. Installation on Metal Framing: Use screws for attachment of gypsum board except face layer of nonrated double-layer assemblies, which may be installed by means of adhesive lamination.

# 3.05 INSTALLATION OF TRIM AND ACCESSORIES

- A. Control Joints: Place control joints consistent with lines of building spaces and as indicated.
  - 1. Not more than 30 feet apart on walls and ceilings over 50 feet long.
- B. Corner Beads: Install at external corners, using longest practical lengths.
- C. Edge Trim: Install at locations where gypsum board abuts dissimilar materials.

# 3.06 JOINT TREATMENT

- A. Finish gypsum board in accordance with levels defined in ASTM C840, as follows:
  - 1. Level 5: Walls and ceilings to receive semi-gloss or gloss paint finish and other areas specifically indicated.
  - 2. Level 4: Walls and ceilings to receive paint finish or wall coverings, unless otherwise indicated.
  - 3. Level 3: Walls to receive textured wall finish.
  - 4. Level 2: In utility areas, behind cabinetry, and on backing board to receive tile finish.
  - 5. Level 1: Fire-resistance-rated wall areas above finished ceilings, whether or not accessible in the completed construction.
- B. Tape, fill, and sand exposed joints, edges, and corners to produce smooth surface ready to receive finishes.
  - 1. Feather coats of joint compound so that camber is maximum 1/32 inch.
  - 2. Taping, filling, and sanding are not required at base layer of double-layer applications.
- C. Where Level 5 finish is indicated, spray apply high build drywall surfacer over entire surface after joints have been properly treated; achieve a flat and tool mark-free finish.
- D. Fill and finish joints and corners of cementitious backing board as recommended by manufacturer.

Project No. 23-471-1466 09 21 16 - 6 SECTION 09 21 16 Copyright 2023 by KLUBER, INC.; All Rights Reserved GYPSUM BOARD ASSEMBLIES

# 3.07 TOLERANCES

A. Maximum Variation of Finished Gypsum Board Surface from True Flatness: 1/8 inch in 10 feet in any direction.

# 3.08 PROTECTION

A. Protect installed gypsum board assemblies from subsequent construction operations.

**END OF SECTION** 

# SECTION 09 30 00 TILING

## PART 1 GENERAL

### 1.01 SECTION INCLUDES

- A. Tile for wall applications.
- B. Non-ceramic trim.

# 1.02 RELATED REQUIREMENTS

- A. Section 07 92 00 Joint Sealants: Sealing joints between tile work and adjacent construction and fixtures.
- B. Section 09 21 16 Gypsum Board Assemblies: Tile backer board.

#### 1.03 REFERENCE STANDARDS

- A. ANSI A108.1a American National Standard Specifications for Installation of Ceramic Tile in the Wet-Set Method, with Portland Cement Mortar 2017.
- B. ANSI A108.1b American National Standard Specifications for Installation of Ceramic Tile on a Cured Portland Cement Mortar Setting Bed with Dry-Set or Latex-Portland Cement Mortar 2017.
- C. ANSI A108.1c Contractor's Option: Installation of Ceramic Tile in the Wet-Set Method with Portland Cement Mortar or Installation of Ceramic Tile on a Cured Portland Cement Mortar Setting Bed with Dry-Set or Latex-Portland Cement Mortar 1999 (Reaffirmed 2021).
- D. ANSI A108.2 American National Standard General Requirements: Materials, Environmental and Workmanship 2019.
- E. ANSI A108.4 American National Standard Specifications for Installation of Ceramic Tile with Organic Adhesive or Water Cleanable Tile-Setting Epoxy Adhesive 2019.
- F. ANSI A108.5 American National Standard Specifications for Installation of Ceramic Tile with Dry-Set Portland Cement Mortar or Latex-Portland Cement Mortar 2021.
- G. ANSI A108.6 American National Standard Specifications for Installation of Ceramic Tile with Chemical Resistant, Water Cleanable Tile-Setting and -Grout Epoxy 1999 (Reaffirmed 2019).
- H. ANSI A108.8 American National Standard Specifications for Installation of Ceramic Tile with Chemical Resistant Furan Resin Mortar and Grout 1999 (Reaffirmed 2019).
- ANSI A108.9 American National Standard Specifications for Installation of Ceramic Tile with Modified Epoxy Emulsion Mortar/Grout 1999 (Reaffirmed 2019).
- J. ANSI A108.10 American National Standard Specifications for Installation of Grout in Tilework 2017.
- K. ANSI A108.11 American National Standard Specifications for Interior Installation of Cementitious Backer Units 2018.
- L. ANSI A108.12 American National Standard for Installation of Ceramic Tile with EGP (Exterior Glue Plywood) Latex-Portland Cement Mortar 1999 (Reaffirmed 2019).

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- M. ANSI A108.13 American National Standard for Installation of Load Bearing, Bonded, Waterproof Membranes for Thin-Set Ceramic Tile and Dimension Stone 2005 (Reaffirmed 2021).
- N. ANSI A108.19 American National Standard Specifications for Interior Installation of Gauged Porcelain Tiles and Gauged Porcelain Tile Panels/Slabs by the Thin-Bed Method Bonded with Modified Dry-Set Cement Mortar or Improved Modified Dry-Set Cement Mortar 2020.
- O. ANSI A108.20 American National Standard Specifications for Exterior Installation of Gauged Porcelain Tiles and Gauged Porcelain Tile Panels/Slabs 2020.
- P. ANSI A118.7 American National Standard Specifications for High Performance Cement Grouts for Tile Installation 2019.
- Q. ANSI A118.15 American National Standard Specifications for Improved Modified Dry-Set Cement Mortar 2019.
- R. ANSI A137.1 American National Standard Specifications for Ceramic Tile 2022.
- S. ASTM C373 Standard Test Methods for Determination of Water Absorption and Associated Properties by Vacuum Method for Pressed Ceramic Tiles and Glass Tiles and Boil Method for Extruded Ceramic Tiles and Non-tile Fired Ceramic Whiteware Products 2018 (Reapproved 2023).
- T. TCNA (HB) Handbook for Ceramic, Glass, and Stone Tile Installation 2022.

# 1.04 ADMINISTRATIVE REQUIREMENTS

A. Preinstallation Meeting: Convene a preinstallation meeting one week before starting work of this section; require attendance by affected installers.

# 1.05 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements for submittal procedures.
- B. Product Data: Provide manufacturers' data sheets on tile, mortar, grout, and accessories. Include instructions for using grouts and adhesives.
- C. Shop Drawings: Indicate tile layout, patterns, color arrangement, perimeter conditions, junctions with dissimilar materials, control and expansion joints, thresholds, ceramic accessories, setting details, and trim components.
- D. Samples for Selection: Manufacturer's color line sample boards/books.
- E. Samples for Verification: Mount selected tile and apply grout on two plywood panels, minimum 18 x 18 inches in size illustrating pattern, color variations, and grout joint size variations.
- F. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.
- G. Master Grade Certificate: Submit for each type of tile, signed by the tile manufacturer and tile installer.
- H. Installer's Qualification Statement:
  - 1. Submit documentation of National Tile Contractors Association (NTCA) or Tile Contractors' Association of America (TCAA) accreditation.
  - 2. Submit documentation of completion of apprenticeship and certification programs.

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- I. Maintenance Data: Include recommended cleaning methods, cleaning materials, and stain removal methods.
- J. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
  - 1. See Section 01 60 00 Product Requirements, for additional provisions.
  - 2. Extra Tile: 10 square feet of each size, color, and surface finish combination.

### 1.06 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the types of products specified in this section, with minimum five years of documented experience.
- B. Installer Qualifications:
  - 1. Company specializing in performing tile installation, with minimum of five years of documented experience.
    - a. Accredited Five-Star member of the National Tile Contractors Association (NTCA) or Trowel of Excellence member of the Tile Contractors' Association of America (TCAA).
  - 2. Installer Certification:
    - a. Ceramic Tile Education Foundation (CTEF): Certified Tile Installer (CTI).
    - b. Apprenticeship Program: Installer has achieved Journeyworker status through an apprenticeship from the International Union of Bricklayers and Allied Craftworkers (IUBAC) or a U.S. Department of Labor (DOL)-recognized program.
    - c. Advanced Certifications for Tile Installers (ACT): Certification in the installation of membranes, mortar bed (mud) floors, mortar (mud) walls, shower receptors, large format tile, gauged porcelain tile/panels/slabs, and grouts.
    - d. International Masonry Training and Education Foundation (IMTEF): Supervisor Certification Program (SCP).

# 1.07 DELIVERY, STORAGE, AND HANDLING

A. Protect adhesives from freezing or overheating in accordance with manufacturer's instructions.

# 1.08 FIELD CONDITIONS

- A. Do not install solvent-based products in an unventilated environment.
- B. Maintain ambient and substrate temperature above 50 degrees F and below 100 degrees F during installation and curing of setting materials.

### PART 2 PRODUCTS

### 2.01 TILE

- A. Manufacturers:
  - 1. Crossville, Inc: www.crossvilleinc.com.
  - 2. Substitutions: Not permitted.
- B. Porcelain Tile, Type TW1: ANSI A137.1, standard grade.
  - 1. Moisture Absorption: 0 to 0.5 percent as tested in accordance with ASTM C373.
  - 2. Size: 12" by 24" inch, nominal.
  - 3. Edges: Square.
  - 4. Surface Finish: Unglazed.

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- Color(s): As shown on the drawings.
- 6. Pattern: As shown on the drawings.
- 7. Products: As shown on the drawings.
  - a. Substitutions: Not permitted.

### 2.02 TRIM AND ACCESSORIES

- A. Non-Ceramic Trim: Brushed stainless steel or satin natural anodized extruded aluminum, style and dimensions to suit application, for setting using tile mortar or adhesive.
  - 1. Applications:
    - a. Open edges of wall tile; Coved.
  - 2. Manufacturers:
    - a. Schluter-Systems: www.schluter.com.
    - b. Substitutions: Not permitted.

### 2.03 SETTING MATERIALS

- A. Provide setting and grout materials from same manufacturer.
- B. Manufacturers:
  - 1. ARDEX Engineered Cements: www.ardexamericas.com.
  - 2. Bostik Inc: www.bostik-us.com.
  - 3. Custom Building Products: www.custombuildingproducts.com.
  - 4. H.B. Fuller Construction Products, Inc: www.tecspecialty.com.
  - 5. LATICRETE International, Inc: www.laticrete.com.
  - 6. ProSpec, an Oldcastle brand: www.prospec.com.
  - 7. Substitutions: Not permitted.
- C. Improved Latex-Portland Cement Mortar Bond Coat: ANSI A118.15.
  - 1. Applications: Use this type of bond coat where indicated, and where no other type of bond coat is indicated.

# 2.04 GROUTS

- A. Manufacturers:
  - 1. Bostik Inc: www.bostik-us.com.
  - 2. Custom Building Products: www.custombuildingproducts.com/#sle.
  - 3. LATICRETE International, Inc; LATICRETE PERMACOLOR Grout: www.laticrete.com.
- B. High Performance Polymer Modified Grout: ANSI A118.7 polymer modified cement grout.
  - 1. Applications: Use this type of grout where indicated and where no other type of grout is indicated.
  - 2. Use sanded grout for joints 1/8 inch wide and larger; use unsanded grout for joints less than 1/8 inch wide.
  - 3. Color(s): As indicated on drawings.

### PART 3 EXECUTION

#### 3.01 EXAMINATION

A. Verify that subfloor surfaces are smooth and flat within the tolerances specified for that type of work and are ready to receive tile.

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- B. Verify that wall surfaces are smooth and flat within the tolerances specified for that type of work, are dust-free, and are ready to receive tile.
- C. Verify that required wall-mounted utilities are in correct location.

### 3.02 PREPARATION

- A. Protect surrounding work from damage.
- B. Vacuum clean surfaces and damp clean.
- C. Seal substrate surface cracks with filler. Level existing substrate surfaces to acceptable flatness tolerances.
- D. Install backer board in accordance with ANSI A108.11 and board manufacturer's instructions. Tape joints and corners, cover with skim coat of setting material to a feather edge.

### 3.03 INSTALLATION - GENERAL

- A. Install tile and thresholds and grout in accordance with applicable requirements of ANSI A108.1a through ANSI A108.20, manufacturer's instructions, and TCNA (HB) recommendations.
- B. Lay tile to pattern indicated. Do not interrupt tile pattern through openings.
- C. Cut and fit tile to penetrations through tile, leaving sealant joint space. Form corners and bases neatly. Align floor joints.
- D. Place tile joints uniform in width, subject to variance in tolerance allowed in tile size. Make grout joints without voids, cracks, excess mortar or excess grout, or too little grout.
- E. Form internal angles square and external angles bullnosed.
- F. Install non-ceramic trim in accordance with manufacturer's instructions.
- G. Sound tile after setting. Replace hollow sounding units.
- H. Keep control and expansion joints free of mortar, grout, and adhesive.
- I. Prior to grouting, allow installation to completely cure; minimum of 48 hours.
- J. Grout tile joints unless otherwise indicated. Use standard grout unless otherwise indicated.
- K. At changes in plane and tile-to-tile control joints, use tile sealant instead of grout, with either bond breaker tape or backer rod as appropriate to prevent three-sided bonding.
- L. Apply sealant to junction of tile and dissimilar materials and junction of dissimilar planes.

# 3.04 INSTALLATION - WALL TILE

A. Over gypsum wallboard on wood or metal studs install in accordance with TCNA (HB) Method W243, thin-set with dry-set or latex-Portland cement bond coat, unless otherwise indicated.

### 3.05 CLEANING

Clean tile and grout surfaces.

#### END OF SECTION

**SECTION 09 30 00** Project No. 23-471-1466 09 30 00 - 5 **TILING** 

# SECTION 09 51 00 ACOUSTICAL CEILINGS

### PART 1 GENERAL

### 1.01 SECTION INCLUDES

- A. Suspended metal grid ceiling system.
- B. Acoustical units.

# 1.02 RELATED REQUIREMENTS

- A. Section 21 13 00 Fire-Suppression Sprinkler Systems: Sprinkler heads in ceiling system.
- B. Section 23 37 00-Air Outlets and Inlets: Air diffusion devices in ceiling.

# 1.03 REFERENCE STANDARDS

- A. ASTM C635/C635M Standard Specification for Manufacture, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings 2022.
- B. ASTM C636/C636M Standard Practice for Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-In Panels 2019.
- C. ASTM E580/E580M Standard Practice for Installation of Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels in Areas Subject to Earthquake Ground Motions 2022.
- D. ASTM E1264 Standard Classification for Acoustical Ceiling Products 2022.

# 1.04 ADMINISTRATIVE REQUIREMENTS

- A. Sequence work to ensure acoustical ceilings are not installed until building is enclosed, sufficient heat is provided, dust generating activities have terminated, and overhead work is completed, tested, and approved.
- B. Do not install acoustical units until after interior wet work is dry.

### 1.05 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements for submittal procedures.
- B. Product Data: Provide data on suspension system components and acoustical units.
- C. Samples: Submit two samples 6 x 6 inch in size illustrating material and finish of acoustical units.
- D. Manufacturer's Installation Instructions: Indicate special procedures and perimeter conditions requiring special attention.
- E. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
  - 1. See Section 01 60 00 Product Requirements, for additional provisions.
  - 2. Extra Acoustical Units: Quantity equal to 5 percent of total installed.

# 1.06 QUALITY ASSURANCE

A. Suspension System Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum ten years experience.

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B. Acoustical Unit Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum ten years experience.

# 1.07 FIELD CONDITIONS

A. Maintain uniform temperature of minimum 60 degrees F, and maximum humidity of 40 percent prior to, during, and after acoustical unit installation.

# PART 2 PRODUCTS

### 2.01 MANUFACTURERS

- A. Acoustic Tiles:
  - 1. Armstrong World Industries, Inc; Ultima, Beveled Tegular #1911: www.armstrong.com.
  - 2. CertainTeed Corporation: www.certainteed.com.
  - 3. USG: www.usg.com.
  - 4. Substitutions: See Section 01 60 00 Product Requirements.
- B. Suspension Systems:
  - 1. Armstrong World Industries, Inc. www.armstrong.com.
  - 2. CertainTeed Corporation: www.certainteed.com.
  - 3. USG: www.usg.com.
  - 4. Substitutions: Not permitted.

# 2.02 ACOUSTICAL UNITS

- A. Acoustical Tiles, Type ACT1: Painted mineral fiber, with the following characteristics:
  - 1. Classification: ASTM E1264 Type IV.
  - 2. Size: 24 by 24 inches.
  - 3. Thickness: 3/4 inch.
  - 4. Light Reflectance: 88%
  - 5. NRC: 75
  - 6. Ceiling Attenuation Class (CAC): 35
  - 7. Panel Edge: Beveled Tegular 15/16".
  - 8. Suspension System: Exposed grid.

# 2.03 SUSPENSION SYSTEM(S)

- A. Metal Suspension Systems General: Complying with ASTM C635/C635M; die cut and interlocking components, with perimeter moldings, hold down clips, stabilizer bars, clips, and splices as required.
- B. Metal Suspension Systems General: Complying with ASTM C635/C635M; die cut and interlocking components, with perimeter moldings, hold down clips, stabilizer bars, clips, and splices as required.
- C. Exposed Suspension System, Type SS1: Hot-dipped galvanized steel grid and cap.
  - Structural Classification: Intermediate-duty, when tested in accordance with ASTM C635/C635M.
  - 2. Profile: Tee; 15/16 inch face width.
  - 3. Finish: Baked enamel.

4. Color: White.

# 2.04 ACCESSORIES

- A. Support Channels and Hangers: Galvanized steel; size and type to suit application and ceiling system flatness requirement specified.
- B. Hanger Wire: 12 gauge, 0.08 inch galvanized steel wire.
- C. Perimeter Moldings: Same metal and finish as grid.
  - 1. Angle Molding: L-shaped, for mounting at same elevation as face of grid.

# PART 3 EXECUTION

# 3.01 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify that layout of hangers will not interfere with other work.

### 3.02 PREPARATION

- A. Install after major above-ceiling work is complete.
- B. Coordinate the location of hangers with other work.

# 3.03 INSTALLATION - SUSPENSION SYSTEM

- A. Install suspension system in accordance with ASTM C636/C636M, ASTM E580/E580M, ASTM C636/C636M, ASTM E580/E580M, ASTM C636/C636M, and ASTM E580/E580M and as supplemented in this section.
- B. Rigidly secure system, including integral mechanical and electrical components, for maximum deflection of 1:360.
- C. Locate system on room axis according to reflected plan.
- D. Perimeter Molding: Install at intersection of ceiling and vertical surfaces and at junctions with other interruptions.
  - 1. Use longest practical lengths.
- E. Suspension System, Non-Seismic: Hang suspension system independent of walls, columns, ducts, pipes and conduit. Where carrying members are spliced, avoid visible displacement of face plane of adjacent members.
- F. Where ducts or other equipment prevent the regular spacing of hangers, reinforce the nearest affected hangers and related carrying channels to span the extra distance.
- G. Do not support components on main runners or cross runners if weight causes total dead load to exceed deflection capability.
- H. Support fixture loads using supplementary hangers located within 6 inches of each corner, or support components independently.
- I. Do not eccentrically load system or induce rotation of runners.

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# 3.04 INSTALLATION - ACOUSTICAL UNITS

- A. Install acoustical units in accordance with manufacturer's instructions.
- B. Fit acoustical units in place, free from damaged edges or other defects detrimental to appearance and function.
- C. Fit border trim neatly against abutting surfaces.
- D. Install acoustical units level, in uniform plane, and free from twist, warp, and dents.
- E. Cutting Acoustical Units:
  - 1. Make field cut edges of same profile as factory edges.
- F. Where round obstructions occur, provide preformed closures to match perimeter molding.
- G. Install hold-down clips on each panel to retain panels tight to grid system; comply with fire rating requirements.

### 3.05 TOLERANCES

- A. Maximum Variation from Flat and Level Surface: 1/8 inch in 10 feet.
- B. Maximum Variation from Plumb of Grid Members Caused by Eccentric Loads: 2 degrees.

# **END OF SECTION**

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# **SECTION 09 65 00** RESILIENT FLOORING

### PART 1 GENERAL

#### 1.01 SECTION INCLUDES

- A. Resilient tile flooring.
- B. Resilient base.
- C. Installation accessories.

### 1.02 RELATED REQUIREMENTS

- A. Section 01 61 16 Volatile Organic Compound (VOC) Content Restrictions.
- B. Section 09 05 61 Common Work Results for Flooring Preparation: Removal of existing floor coverings, cleaning, and preparation.

# 1.03 REFERENCE STANDARDS

- A. ASTM F1066 Standard Specification for Vinyl Composition Floor Tile 2004 (Reapproved 2018).
- B. ASTM F1861 Standard Specification for Resilient Wall Base 2021.

#### 1.04 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements for submittal procedures.
- B. Product Data: Provide data on specified products, describing physical and performance characteristics; including sizes, patterns and colors available; and installation instructions.
- C. Shop Drawings: Indicate seaming plans and floor patterns.
- D. Selection Samples: Submit manufacturer's complete set of color samples for Architect/Engineer's initial selection.
- E. Verification Samples: Submit two samples, 12 by 12 inch in size illustrating color and pattern for each resilient flooring product specified.
- F. Maintenance Data: Include maintenance procedures, recommended maintenance materials, and suggested schedule for cleaning, stripping, and re-waxing.
- G. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
  - 1. See Section 01 60 00 Product Requirements, for additional provisions.
  - 2. Extra Flooring Material: 100 square feet of each type and color.
  - 3. Extra Wall Base: 100 linear feet of each type and color.
  - 4. Extra Stair Materials: Quantity equivalent to 5 percent of each type and color.

### 1.05 QUALITY ASSURANCE

# 1.06 DELIVERY, STORAGE, AND HANDLING

- A. Store all materials off of the floor in an acclimatized, weather-tight space.
- B. Protect rolled sheet materials from damage by storing on end.

**SECTION 09 65 00** Project No. 23-471-1466 09 65 00 - 1 RESILIENT FLOORING

# 1.07 FIELD CONDITIONS

- A. Maintain temperature in storage area between 55 degrees F and 90 degrees F.
- B. Store materials for not less than 48 hours prior to installation in area of installation at a temperature of 70 degrees F to achieve temperature stability. Thereafter, maintain conditions above 55 degrees F.

# PART 2 PRODUCTS

# 2.01 TILE FLOORING

- A. Vinyl Composition Tile VCTA: Homogeneous, with color extending throughout thickness.
  - 1. Manufacturers:
    - a. Armstrong Flooring, Inc; Standard Execelon Imperial Texture: www.armstrongflooring.com.
    - b. Johnsonite, a Tarkett Company: www.johnsonite.com.
  - 2. Minimum Requirements: Comply with ASTM F1066, of Class corresponding to type specified.
  - 3. Size: 12 by 12 inch.
  - 4. Thickness: 0.125 inch.
  - 5. Pattern: To match existing lobby...
  - 6. Color: As indicated on drawings.
- B. Luxary Vinyl Tile LVTA: Homogeneous, with color extending throughout thickness.
  - 1. Pattern: As indicated on drawings...
  - 2. Color: As indicated on drawings.

### 2.02 RESILIENT BASE

- A. Resilient Base VBA: ASTM F1861, Type TS, rubber, vulcanized thermoset; style as scheduled.
  - 1. Height: 4 inches.
  - 2. Thickness: 0.125 inch.
  - 3. Finish: Satin.4. Length: Roll.
  - 5. Color: As indicated on drawings.

# 2.03 ACCESSORIES

- A. Subfloor Filler: White premix latex; type recommended by adhesive material manufacturer.
- B. Primers, Adhesives, and Seam Sealer: Waterproof; types recommended by flooring manufacturer.
- C. Moldings, Transition and Edge Strips: Metal.
- D. Filler for Coved Base: Plastic.
- E. Sealer and Wax: Types recommended by flooring manufacturer.

### PART 3 EXECUTION

# 3.01 EXAMINATION

A. Verify that surfaces are flat to tolerances acceptable to flooring manufacturer, free of cracks that might telegraph through flooring, clean, dry, and free of curing compounds, surface hardeners, and other chemicals that might interfere with bonding of flooring to substrate.

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 RESILIENT FLOORING

- B. Verify that wall surfaces are smooth and flat within the tolerances specified for that type of work, are dust-free, and are ready to receive resilient base.
- C. Verify that concrete sub-floor surfaces are dry enough and ready for resilient flooring installation by testing for moisture emission rate and alkalinity in accordance with ASTM F710; obtain instructions if test results are not within limits recommended by resilient flooring manufacturer and adhesive materials manufacturer.
- D. Verify that required floor-mounted utilities are in correct location.

# 3.02 PREPARATION

- A. Remove subfloor ridges and bumps. Fill minor low spots, cracks, joints, holes, and other defects with subfloor filler to achieve smooth, flat, hard surface.
- B. Prohibit traffic until filler is fully cured.
- C. Clean substrate.

# 3.03 INSTALLATION - GENERAL

- A. Starting installation constitutes acceptance of subfloor conditions.
- B. Install in accordance with manufacturer's written instructions.
- C. Adhesive-Applied Installation:
  - 1. Spread only enough adhesive to permit installation of materials before initial set.
  - 2. Fit joints and butt seams tightly.
  - 3. Set flooring in place, press with heavy roller to attain full adhesion.
- D. Where type of floor finish, pattern, or color are different on opposite sides of door, terminate flooring under centerline of door.
- E. Install edge strips at unprotected or exposed edges, where flooring terminates, and where indicated.
- F. Scribe flooring to walls, columns, cabinets, floor outlets, and other appurtenances to produce tight joints.

# 3.04 INSTALLATION - TILE FLOORING

A. Mix tile from container to ensure shade variations are consistent when tile is placed, unless otherwise indicated in manufacturer's installation instructions.

# 3.05 INSTALLATION - RESILIENT BASE

- A. Fit joints tightly and make vertical. Maintain minimum dimension of 18 inches between joints.
- B. Miter internal corners. At external corners, 'V' cut back of base strip to 2/3 of its thickness and fold. At exposed ends, use premolded units.
- C. Install base on solid backing. Bond tightly to wall and floor surfaces.
- D. Scribe and fit to door frames and other interruptions.

**SECTION 09 65 00** Project No. 23-471-1466 09 65 00 - 3 RESILIENT FLOORING

# 3.06 CLEANING

- A. Remove excess adhesive from floor, base, and wall surfaces without damage.
- B. Clean in accordance with manufacturer's written instructions.

# 3.07 PROTECTION

A. Prohibit traffic on resilient flooring for 48 hours after installation.

**END OF SECTION** 

# SECTION 09 68 13 TILE CARPETING

### PART 1 GENERAL

### 1.01 SECTION INCLUDES

A. Carpet tile, fully adhered.

# 1.02 RELATED REQUIREMENTS

- A. Section 01 61 16 Volatile Organic Compound (VOC) Content Restrictions.
- B. Section 09 05 61 Common Work Results for Flooring Preparation: Removal of existing floor coverings, cleaning, and preparation.

# 1.03 REFERENCE STANDARDS

### 1.04 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data on specified products, describing physical and performance characteristics; sizes, patterns, colors available, and method of installation.
- C. Shop Drawings: Indicate layout of joints.
- D. Samples: Submit two carpet tiles illustrating color and pattern design for each carpet color selected.
- E. Manufacturer's Installation Instructions: Indicate special procedures.
- F. Operation and Maintenance Data: Include maintenance procedures, recommended maintenance materials, and suggested schedule for cleaning.
- G. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
  - 1. See Section 01 60 00 Product Requirements, for additional provisions.
  - 2. Extra Carpet Tiles: Quantity equal to 5 percent of total installed of each color and pattern installed.

# 1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing specified carpet tile with minimum three years documented experience.
- B. Installer Qualifications: Company specializing in installing carpet tile with minimum three years documented experience and approved by carpet tile manufacturer.

# PART 2 PRODUCTS

#### 2.01 MATERIALS

- A. Tile Carpeting, Type CPTA: Tufted, manufactured in one color dye lot.
  - Tile Size: Refer to Finish Schedule.
  - 2. Color: Refer to Finish Schedule.
  - 3. Pattern: Refer to Finish Schedule.

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 TILE CARPETING

# 2.02 ACCESSORIES

- A. Edge Strips: Embossed aluminum, color as selected by Architect.
- B. Carpet Tile Adhesive: Recommended by carpet tile manufacturer; releasable type.

### PART 3 EXECUTION

### 3.01 EXAMINATION

- A. Verify that subfloor surfaces are smooth and flat within tolerances specified for that type of work and are ready to receive carpet tile.
- B. Verify that wall surfaces are smooth and flat within the tolerances specified for that type of work, are dust-free, and are ready to receive carpet tile.
- C. Verify that subfloor surfaces are dust-free and free of substances that could impair bonding of adhesive materials to subfloor surfaces.

### 3.02 PREPARATION

- A. Prepare floor substrates for installation of flooring in accordance with Section 09 05 61.
- B. Prepare floor substrates as recommended by flooring and adhesive manufacturers.

# 3.03 INSTALLATION

- A. Starting installation constitutes acceptance of subfloor conditions.
- B. Install carpet tile in accordance with manufacturer's instructions.
- C. Blend carpet from different cartons to ensure minimal variation in color match.
- D. Cut carpet tile clean. Fit carpet tight to intersection with vertical surfaces without gaps.
- E. Lay carpet tile in square pattern, with pile direction parallel to next unit, set parallel to building lines.
- F. Trim carpet tile neatly at walls and around interruptions.
- G. Complete installation of edge strips, concealing exposed edges.

### 3.04 CLEANING

- A. Remove excess adhesive without damage, from floor, base, and wall surfaces.
- B. Clean and vacuum carpet surfaces.

# **END OF SECTION**

# **SECTION 09 91 23** INTERIOR PAINTING

### PART 1 GENERAL

### 1.01 SECTION INCLUDES

- A. Surface preparation.
- B. Field application of paints.
- C. Scope: Finish interior surfaces exposed to view, unless fully factory-finished and unless otherwise indicated.
  - Both sides and edges of plywood backboards for electrical and telecom equipment before installing equipment.
  - 2. Mechanical and Electrical:
    - a. In areas where walls and/or overhead surfaces are scheduled to receive painted finishes, paint insulated and exposed pipes, conduit, boxes, insulated and exposed ducts, hangers, brackets, collars and supports, mechanical equipment, and electrical equipment, unless otherwise indicated.
    - b. In all areas, paint shop-primed items.
- D. Do Not Paint or Finish the Following Items:
  - 1. Items factory-finished unless otherwise indicated; materials and products having factory-applied primers are not considered factory finished.
  - 2. Items indicated to receive other finishes.
  - 3. Items indicated to remain unfinished.
  - 4. Fire rating labels, equipment serial number and capacity labels, bar code labels, and operating parts of equipment.
  - 5. Floors, unless specifically indicated.
  - 6. Glass.
  - 7. Acoustical materials, unless specifically indicated.
  - 8. Pipes, ducts, and conduits concealed behind wall or ceiling finishes

# 1.02 RELATED REQUIREMENTS

A. Section 05 50 00 - Metal Fabrications: Shop-primed items.

# 1.03 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

# 1.04 QUALITY ASSURANCE

# 1.05 DELIVERY, STORAGE, AND HANDLING

- A. Deliver products to site in sealed and labeled containers; inspect to verify acceptability.
- B. Container Label: Include manufacturer's name, type of paint, brand name, lot number, brand code, coverage, surface preparation, drying time, cleanup requirements, color designation, and instructions for mixing and reducing.
- C. Paint Materials: Store at minimum ambient temperature of 45 degrees F and a maximum of 90 degrees F, in ventilated area, and as required by manufacturer's instructions.

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# 1.06 FIELD CONDITIONS

- A. Do not apply materials when surface and ambient temperatures are outside the temperature ranges required by the paint product manufacturer.
- B. Follow manufacturer's recommended procedures for producing best results, including testing of substrates, moisture in substrates, and humidity and temperature limitations.
- C. Provide lighting level of 80 fc measured mid-height at substrate surface.

# PART 2 PRODUCTS

# 2.01 MANUFACTURERS

- A. Provide paints and finishes used in any individual system from the same manufacturer; no exceptions.
- B. Paints:
  - 1. Behr Process Corporation: www.behr.com/#sle.
  - 2. PPG Paints: www.ppgpaints.com/#sle.
  - 3. Sherwin-Williams Company: www.sherwin-williams.com/#sle.
- C. Substitutions: See Section 01 60 00 Product Requirements.

### 2.02 PAINTS AND FINISHES - GENERAL

- A. Paints and Finishes: Ready-mixed, unless intended to be a field-catalyzed paint.
  - Provide paints and finishes of a soft paste consistency, capable of being readily and uniformly dispersed to a homogeneous coating, with good flow and brushing properties, and capable of drying or curing free of streaks or sags.
  - 2. Supply each paint material in quantity required to complete entire project's work from a single production run.
  - 3. Do not reduce, thin, or dilute paint or finishes or add materials unless such procedure is specifically described in manufacturer's product instructions.
- B. Volatile Organic Compound (VOC) Content:
  - 1. Provide paints and finishes that comply with the most stringent requirements specified in the following:
    - a. 40 CFR 59, Subpart D--National Volatile Organic Compound Emission Standards for Architectural Coatings.
    - b. SCAQMD 1113 Rule.
    - c. CARB (SCM).
    - d. Ozone Transport Commission (OTC) Model Rule, Architectural, Industrial, and Maintenance Coatings; www.otcair.org; specifically:
      - 1) Opaque, Flat: 50 g/L, maximum.
      - 2) Opaque, Nonflat: 150 g/L, maximum.
      - 3) Opaque, High Gloss: 250 g/L, maximum.
    - e. Architectural coatings VOC limits of the State in which the Project is located.
  - Determination of VOC Content: Testing and calculation in accordance with 40 CFR 59, Subpart D (EPA Method 24), exclusive of colorants added to a tint base and water added at project site; or other method acceptable to authorities having jurisdiction.

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- C. Flammability: Comply with applicable code for surface burning characteristics.
- D. Sheens: Provide the sheens specified; where sheen is not specified, sheen will be selected later by Architect/Engineer from the manufacturer's full line.
- E. Colors: To be selected from manufacturer's full range of available colors.
  - 1. Selection to be made by Architect/Engineer after award of contract.
  - 2. Allow for minimum of three colors for each system, unless otherwise indicated, without additional cost to Owner.
  - 3. Extend colors to surface edges; colors may change at any edge as directed by Architect/Engineer.
  - 4. In finished areas, finish pipes, ducts, conduit, and equipment the same color as the wall/ceiling they are mounted on/under.

# 2.03 PAINT SYSTEMS - INTERIOR

- A. Interior Surfaces to be Painted, Unless Otherwise Indicated: Including gypsum board, concrete, concrete masonry units, brick, wood, plaster, uncoated steel, shop primed steel, galvanized steel, and aluminum.
  - 1. Two top coats and one coat primer.
  - 2. Top Coat(s): Institutional Low Odor/VOC Interior Latex; MPI #143, 144, 145, 146, 147, or 148.
    - a. Products:
      - 1) Behr Premium Plus Interior Eggshell Enamel [No.2050]. (MPI #145)
      - 2) Behr Premium Plus Interior Flat [No.1050]. (MPI #143)
      - 3) Behr Premium Plus Interior Satin Enamel [No.7050]. (MPI #146)
      - 4) Behr Premium Plus Interior Semi-Gloss Enamel [No.3050]. (MPI #147)
      - 5) PPG Paints Speedhide Zero Interior Latex, 6-5110 Series, Flat. (MPI #143)
      - 6) PPG Paints Speedhide Zero Interior Latex. 6-5310 Series. Eggshell.
      - 7) PPG Paints Speedhide Zero Interior Latex, 6-5410 Series, Satin.
      - 8) PPG Paints Speedhide Zero Interior Latex, 6-5510 Series, Semi-Gloss. (MPI #147)
      - 9) Sherwin-Williams ProMar 200 HP Series, Eg-Shel. (MPI #145)
      - 10) Sherwin-Williams ProMar 200 Zero VOC Interior Latex, Flat.
      - 11) Sherwin-Williams ProMar 200 Zero VOC Interior Latex, Low Sheen. (MPI #144)
      - 12) Sherwin-Williams ProMar 200 Zero VOC Interior Latex, Semi-Gloss.
  - 3. Top Coat Sheen:
    - a. Flat: MPI gloss level 1; use this sheen for ceilings and other overhead surfaces.
    - b. Eggshell: MPI gloss level 3; use this sheen for gypsum board wall surfaces in all locations, except where noted or specified otherwise..
    - c. Satin: MPI gloss level 4; use this sheen for gypsum board wall surfaces in high-traffic spaces such as lobbies, corridors and multi-purpose rooms.
    - d. Semi-Gloss: MPI gloss level 5; use this sheen for all concrete and concrete block wall surfaces.
  - 4. Primer: As recommended by top coat manufacturer for specific substrate.
- B. Medium Duty Door/Trim: For surfaces subject to frequent contact by occupants, including metals and wood:
  - 1. Medium duty applications include doors, door frames, railings, handrails, guardrails, and balustrades.
  - 2. Two top coats and one coat primer.

- 3. Top Coat(s): Interior Epoxy-Modified Latex; MPI #115 or 215.
  - a. Products:
    - 1) PPG Paints Aquapon WB EP Two-Component Waterborne Epoxy Coating, 98E-1/98E-100 Series, Semi-Gloss. (MPI #215)
    - 2) PPG Paints Aquapon WB EP Two-Component Waterborne Epoxy Coating, 98E-1/98E-98 Series, Gloss. (MPI #115)
    - 3) Sherwin-Williams Pro Industrial Waterbased Catalyzed Epoxy, Gloss. (MPI #115)
    - 4) Sherwin-Williams Waterbased Catalyzed Epoxy, Semi-Gloss.
    - 5) Substitutions: See Section 01 60 00 Product Requirements
- 4. Top Coat Sheen:
  - a. Semi-Gloss: MPI gloss level 5; use this sheen at all locations.
- 5. Primer: As recommended by top coat manufacturer for specific substrate.

# 2.04 PRIMERS

A. Primers: Provide the following unless other primer is required or recommended by manufacturer of top coats.

### 2.05 ACCESSORY MATERIALS

- A. Accessory Materials: Provide primers, sealers, cleaning agents, cleaning cloths, sanding materials, and clean-up materials as required for final completion of painted surfaces.
- B. Patching Material: Latex filler.
- C. Fastener Head Cover Material: Latex filler.

# PART 3 EXECUTION

### 3.01 EXAMINATION

- A. Do not begin application of paints and finishes until substrates have been adequately prepared.
- B. Verify that surfaces are ready to receive work as instructed by the product manufacturer.
- C. Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially affect proper application.
- D. Test shop-applied primer for compatibility with subsequent cover materials.
- E. Measure moisture content of surfaces using an electronic moisture meter. Do not apply finishes unless moisture content of surfaces is below the following maximums:
  - 1. Gypsum Wallboard: 12 percent.
  - 2. Plaster and Stucco: 12 percent.
  - 3. Masonry, Concrete, and Concrete Masonry Units: 12 percent.
  - 4. Interior Wood: 15 percent, measured in accordance with ASTM D4442.

### 3.02 PREPARATION

- A. Clean surfaces thoroughly and correct defects prior to application.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- C. Remove or repair existing paints or finishes that exhibit surface defects.

- D. Remove or mask surface appurtenances, including electrical plates, hardware, light fixture trim, escutcheons, and fittings, prior to preparing surfaces or finishing.
- E. Seal surfaces that might cause bleed through or staining of topcoat.
- F. Remove mildew from impervious surfaces by scrubbing with solution of tetra-sodium phosphate and bleach. Rinse with clean water and allow surface to dry.

# G. Concrete:

- Remove release agents, curing compounds, efflorescence, and chalk. Do not coat surfaces if
  moisture content or alkalinity of surfaces to be coated exceeds that permitted in manufacturer's
  written instructions.
- 2. Prepare surface as recommended by top coat manufacturer and according to SSPC-SP 13.

### H. Masonry:

- Remove efflorescence and chalk. Do not coat surfaces if moisture content, alkalinity of surfaces, or if alkalinity of mortar joints exceed that permitted in manufacturer's written instructions. Allow to dry.
- 2. Prepare surface as recommended by top coat manufacturer.
- 3. Clean surfaces with pressurized water. Use pressure range of 600 to 1,500 psi at 6 to 12 inches. Allow to dry.
- I. Gypsum Board: Fill minor defects with filler compound. Spot prime defects after repair.
- J. Plaster: Fill hairline cracks, small holes, and imperfections with latex patching plaster. Make smooth and flush with adjacent surfaces. Wash and neutralize high-alkali surfaces.
- K. Aluminum: Remove surface contamination and oils and wash with solvent according to SSPC-SP 1.
- L. Galvanized Surfaces:

# M. Ferrous Metal:

- 1. Solvent clean according to SSPC-SP 1.
- 2. Shop-Primed Surfaces: Sand and scrape to remove loose primer and rust. Feather edges to make touch-up patches inconspicuous. Clean surfaces with solvent. Prime bare steel surfaces. Re-prime entire shop-primed item.
- 3. Remove rust, loose mill scale, and other foreign substances using methods recommended in writing by paint manufacturer and blast cleaning according to SSPC-SP 6 Commercial Blast Cleaning. Protect from corrosion until coated.
- N. Wood Surfaces to Receive Opaque Finish: Wipe off dust and grit prior to priming. Seal knots, pitch streaks, and sappy sections with sealer. Fill nail holes and cracks after primer has dried; sand between coats. Back prime concealed surfaces before installation.
- O. Wood Doors to be Field-Finished: Seal wood door top and bottom edge surfaces with clear sealer.
- P. Metal Doors to be Painted: Prime metal door top and bottom edge surfaces.

### 3.03 APPLICATION

A. Remove unfinished louvers, grilles, covers, and access panels on mechanical and electrical components and paint separately.

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- B. Apply products in accordance with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual".
- C. Where adjacent sealant is to be painted, do not apply finish coats until sealant is applied.
- D. Do not apply finishes to surfaces that are not dry. Allow applied coats to dry before next coat is applied.
- E. Apply each coat to uniform appearance in thicknesses specified by manufacturer.
- F. Dark Colors and Deep Clear Colors: Regardless of number of coats specified, apply as many coats as necessary for complete hide.
- G. Sand wood and metal surfaces lightly between coats to achieve required finish.
- H. Vacuum clean surfaces of loose particles. Use tack cloth to remove dust and particles just prior to applying next coat.
- I. Reinstall electrical cover plates, hardware, light fixture trim, escutcheons, and fittings removed prior to finishing.

# 3.04 FIELD QUALITY CONTROL

A. See Section 01 40 00 - Quality Requirements, for general requirements for field inspection.

# 3.05 CLEANING

A. Collect waste material that could constitute a fire hazard, place in closed metal containers, and remove daily from site.

# 3.06 PROTECTION

- A. Protect finishes until completion of project.
- B. Touch-up damaged finishes after Substantial Completion.

### **END OF SECTION**

# **SECTION 10 28 00** TOILET, BATH, AND LAUNDRY ACCESSORIES

### PART 1 GENERAL

### 1.01 SECTION INCLUDES

Commercial toilet accessories.

# 1.02 RELATED REQUIREMENTS

A. Section 06 10 00 - Rough Carpentry: Concealed supports for accessories, including in wall framing and plates and above ceiling framing.

# 1.03 REFERENCE STANDARDS

- A. ASTM A123/A123M Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products 2017.
- B. ASTM A269/A269M Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service 2022.
- C. ASTM A653/A653M Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process 2022.
- D. ASTM A666 Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar 2023.
- E. ASTM B456 Standard Specification for Electrodeposited Coatings of Copper Plus Nickel Plus Chromium and Nickel Plus Chromium 2017 (Reapproved 2022).
- F. ASTM C1036 Standard Specification for Flat Glass 2021.

# 1.04 ADMINISTRATIVE REQUIREMENTS

A. Coordinate the work with the placement of internal wall reinforcement, concealed ceiling supports, and reinforcement of toilet partitions to receive anchor attachments.

#### 1.05 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

# PART 2 PRODUCTS

### 2.01 MANUFACTURERS

- A. Commercial Toilet, Shower, and Bath Accessories:
  - 1. American Specialties, Inc: www.americanspecialties.com/#sle.
  - 2. Bradley Corporation: www.bradleycorp.com/#sle.
  - 3. Bobrick Washroom Equipment Inc.: www.bobrick.com.
  - 4. Substitutions: Section 01 60 00 Product Requirements.
- B. All items to be made by the same manufacturer.

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# 2.02 MATERIALS

- A. Accessories General: Shop assembled, free of dents and scratches and packaged complete with anchors and fittings, steel anchor plates, adapters, and anchor components for installation.
  - 1. Grind welded joints smooth.
  - 2. Fabricate units made of metal sheet of seamless sheets with flat surfaces.
- B. Keys: Provide 2 keys for each accessory to Owner; master key lockable accessories.
- C. Stainless Steel Sheet: ASTM A666, Type 304.
- D. Stainless Steel Tubing: ASTM A269/A269M, Grade TP304 or TP316.
- E. Galvanized Sheet Steel: Hot-dipped galvanized steel sheet, ASTM A653/A653M, with G90/Z275 coating.
- F. Mirror Glass: Annealed float glass, ASTM C1036 Type I, Class 1, Quality Q2, with silvering, protective and physical characteristics complying with ASTM C1503.
- G. Adhesive: Two component epoxy type, waterproof.
- H. Fasteners, Screws, and Bolts: Hot dip galvanized; tamper-proof; security type.
- I. Expansion Shields: Fiber, lead, or rubber as recommended by accessory manufacturer for component and substrate.

### 2.03 FINISHES

- A. Stainless Steel: Satin finish, unless otherwise noted.
- B. Chrome/Nickel Plating: ASTM B456, SC 2, polished finish, unless otherwise noted.
- C. Galvanizing for Items Other than Sheet: Comply with ASTM A123/A123M; galvanize ferrous metal and fastening devices.
- D. Shop Primed Ferrous Metals: Pretreat and clean, spray apply one coat primer and bake.
- E. Back paint components where contact is made with building finishes to prevent electrolysis.

# 2.04 COMMERCIAL TOILET ACCESSORIES

A. As indicated on the Drawings.

# PART 3 EXECUTION

# 3.01 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify exact location of accessories for installation.

# 3.02 PREPARATION

- A. Deliver inserts and rough-in frames to site for timely installation.
- B. Provide templates and rough-in measurements as required.

# 3.03 INSTALLATION

- A. Install accessories in accordance with manufacturers' instructions in locations indicated on drawings.
- B. Install plumb and level, securely and rigidly anchored to substrate.
- C. Mounting Heights: As required by accessibility regulations, unless otherwise indicated.1. Grab Bars: As indicated on drawings.
- D. Mounting Heights and Locations: As required by accessibility regulations and as indicated on drawings.

# 3.04 SCHEDULE

A. Refer to Enlarged Plan drawings for schedule of toilet accessories.

**END OF SECTION** 

# SECTION 10 44 00 FIRE PROTECTION SPECIALTIES

# PART 1 GENERAL

### 1.01 SECTION INCLUDES

- A. Fire extinguishers.
- B. Fire extinguisher cabinets.
- C. Accessories.

# 1.02 RELATED REQUIREMENTS

- A. Section 06 10 00 Rough Carpentry: Wood blocking product and execution requirements.
- B. Section 09 21 16 Gypsum Board Assemblies: Roughed-in wall openings.

# 1.03 REFERENCE STANDARDS

- A. FM (AG) FM Approval Guide Current Edition.
- B. NFPA 10 Standard for Portable Fire Extinguishers 2022.
- C. UL (DIR) Online Certifications Directory Current Edition.

# 1.04 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements, for submittal procedures.
- B. Shop Drawings: Indicate locations of cabinets and cabinet physical dimensions.
- C. Manufacturer's Installation Instructions: Indicate special criteria and wall opening coordination requirements.
- D. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.
- E. Maintenance Data: Include test, refill or recharge schedules and re-certification requirements.

### 1.05 FIELD CONDITIONS

A. Do not install extinguishers when ambient temperature may cause freezing of extinguisher ingredients.

### PART 2 PRODUCTS

# 2.01 MANUFACTURERS

- A. Fire Extinguishers, Cabinets and Accessories:
  - 1. Activar Construction Products Group, Inc. JL Industries: www.activarcpg.com.
  - 2. Larsen's Manufacturing Co: www.larsensmfg.com.
  - 3. Nystrom, Inc: www.nystrom.com.
  - 4. Potter-Roemer: www.potterroemer.com.
  - 5. Substitutions: See Section 01 60 00 Product Requirements.

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### 2.02 FIRE EXTINGUISHERS

- A. Fire Extinguishers General: Comply with product requirements of NFPA 10 and applicable codes, whichever is more stringent.
  - 1. Provide extinguishers labeled by UL (DIR) or FM (AG) for purpose specified and as indicated.
- B. Multipurpose Dry Chemical Type Fire Extinguishers: Carbon steel tank, with pressure gauge.
  - 1. Class: A:B:C type.
  - 2. Size: 10 pound.
  - 3. Finish: Baked polyester powder coat, red color.
- C. Dry Chemical Type Fire Extinguishers: Stainless steel tank, with pressure gauge.
  - 1. Class: K type.
  - 2. Size: 1.6 gallons.
  - 3. Finish: Polished stainless steel.
  - 4. Temperature range: Minus 20 degrees F to 120 degrees F.

# 2.03 FIRE EXTINGUISHER CABINETS

- A. Cabinet Construction: Non-fire rated.
  - 1. Formed aluminum; 1/16 inch thick base metal.
- B. Cabinet Configuration: Semi-recessed type.
  - 1. Size to accommodate accessories.
  - 2. Projected Trim: Returned to wall surface, with 2 1/2 inch projection, and 1 3/4 inch wide face.
  - 3. Provide cabinet enclosure with right angle inside corners and seams, and with formed perimeter trim and door stiles.
- C. Door: 0.036 inch metal thickness, reinforced for flatness and rigidity with nylon catch. Hinge doors for 180 degree opening with butt hinges or continuous piano hinge.
  - 1. Labeling: Red decal letters; vertical orientation.
- D. Door Glazing: Acrylic plastic, clear, 1/8 inch thick, flat shape and set in resilient channel glazing gasket.
- E. Cabinet Mounting Hardware: Appropriate to cabinet, with pre-drilled holes for placement of anchors.
- F. Finish of Cabinet Exterior Trim and Door: Primed for field paint finish.
- G. Finish of Cabinet Interior: White colored enamel.

### 2.04 ACCESSORIES

- A. Extinguisher Brackets: Formed steel, chrome-plated.
- B. Graphic Identification: Provide wall-mounted triangular three-dimensional signage above each cabinet and extinguisher location..
- C. Cabinet Lettering: "FIRE EXTINGUISHER" decal, or vinyl self-adhering, pre-spaced lettering in accordance with authorities having jurisdiction (AHJ).
- D. Inspection/Certification Tags: Acceptable to the authority having jurisdiction.
  - 1. Expiration Date: Not less than 12 months after date of Substantial Completion.

2. Provide (1) for each fire extinguisher.

# PART 3 EXECUTION

# 3.01 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify rough openings for cabinet are correctly sized and located.

# 3.02 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Install cabinets plumb and level in wall openings, 54 inches from finished floor to top of extinguisher inside cabinet.
- C. Secure rigidly in place.
- D. Place extinguishers in cabinets.
- E. Attach Inspection/Certification tags to extinguishers.

# **END OF SECTION**

# **SECTION 12 24 00** WINDOW SHADES

### PART 1 GENERAL

### 1.01 SECTION INCLUDES

- A. Interior manual roller shades.
- B. Interior motorized roller shades.
- C. Motor controls.

### 1.02 RELATED REQUIREMENTS

A. Section 06 10 00 - Rough Carpentry: Concealed wood blocking for attachment of headrail brackets.

# 1.03 REFERENCE STANDARDS

- A. ASTM G21 Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi 2015, with Editorial Revision (2021).
- B. C2C (DIR) C2C Certified Products Registry; Cradle to Cradle Products Innovation Institute Current Edition.
- C. NFPA 70 National Electrical Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- D. NFPA 701 Standard Methods of Fire Tests for Flame Propagation of Textiles and Films 2023, with Errata.
- E. UL (GGG) GREENGUARD Gold Certified Products Current Edition.
- F. UL 325 Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems Current Edition, Including All Revisions.
- G. WCMA A100.1 Standard for Safety of Window Covering Products 2022.

# 1.04 ADMINISTRATIVE REQUIREMENTS

- A. Coordination:
  - 1. Where motorized shades are to be controlled by control systems provided under other sections, coordinate the work with other trades to provide compatible products.
  - 2. Coordinate the work with other trades to provide rough-in of electrical wiring as required for installation of hardwired motorized shades.
- B. Preinstallation Meeting: Convene one week prior to commencing work related to products of this section; require attendance of affected installers.
- C. Sequencing:
  - 1. Do not fabricate shades until field dimensions for each opening have been taken with field conditions in place.
  - 2. Do not install shades until final surface finishes and painting are complete.

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### 1.05 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements, for submittal procedures.
- B. Product Data: Provide manufacturer's standard catalog pages and data sheets, including materials, finishes, fabrication details, dimensions, profiles, mounting requirements, and accessories.
- C. Shop Drawings: Include shade schedule indicating size, location and keys to details, head, jamb and sill details, mounting dimension requirements for each product and condition, and operation direction.
- D. Selection Samples: Include fabric samples in full range of available colors and patterns.
  - 1. Motorized Shades: Include finish selections for controls.
- E. Operation and Maintenance Data: List of all components with part numbers, sources of supply, and operation and maintenance instructions; include copy of shop drawings.
- F. Warranty: Submit sample of manufacturer's warranty and documentation of final executed warranty completed in Owner's name and registered with manufacturer.

# 1.06 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than five years of documented experience.
- B. Installer Qualifications: Company specializing in performing work of this type with minimum 10 years of documented experience with shading systems of similar size and type.

# 1.07 DELIVERY, STORAGE, AND HANDLING

- A. Deliver shades in manufacturer's unopened packaging, labeled to identify each shade for each opening.
- B. Handle and store shades in accordance with manufacturer's recommendations.

# 1.08 FIELD CONDITIONS

A. Do not install products under environmental conditions outside manufacturer's absolute limits.

### 1.09 WARRANTY

- A. See Section 01 78 00 Closeout Submittals, for additional warranty requirements.
- B. Provide manufacturer's warranty from Date of Substantial Completion, covering the following:
  - 1. Shade Hardware: 10 years.
  - 2. Electric Motors: 5 years.
  - 3. Fabric: 10 years.

# PART 2 PRODUCTS

# 2.01 MANUFACTURERS

# 2.02 ROLLER SHADES

A. General:

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- 1. Provide shade system components that are easy to remove or adjust without removal of mounted shade brackets.
- 2. Provide shade system that operates smoothly when shades are raised or lowered.
- Provide shade system that is Cradle-to-Cradle certified and listed in C2C (DIR).
- 4. Motorized Shades: Motor system housed inside roller tube, controlling shade movement via motor controls indicated; listed or recognized to UL 325.
  - a. Comply with NFPA 70.
  - b. Electrical Components: Listed, classified, and labeled as suitable for the purpose intended. Where applicable, system components to be FCC compliant.
  - c. Motors: Size and configuration as recommended by manufacturer for the type, size, and arrangement of shades to be operated; integrated into shade operating components and concealed from view; fully compatible with controls to be installed.
- B. Roller Shades Alternate # 1 Basis of Design: MechoShade Systems LLC; Mecho/5 System; www.mechoshade.com/#sle.
  - 1. Description: Single roller, manually operated fabric window shades.
    - a. Drop Position: Regular roll.
    - b. Mounting: Recess mounted in ceiling pocket.
    - c. Size: As indicated on drawings.
    - d. Fabric: As indicated under Shade Fabric article.
  - 2. Brackets and Mounting Hardware: As recommended by manufacturer for mounting indicated and to accommodate shade fabric roll-up size and weight.
  - Roller Tubes:
    - a. Material: Extruded aluminum.
    - b. Size: As recommended by manufacturer; selected for suitability for installation conditions, span, and weight of shades.
    - c. Fabric Attachment: Utilize extruded channel in tube to accept vinyl spline welded to fabric edge. Shade band to be removable and replaceable without removing roller tube from brackets or inserting spline from the side of the roller tube.
    - d. Capable of being removed and reinstalled without affecting roller shade limit adjustments.
  - 4. Hembars: Designed to maintain bottom of shade straight and flat.
  - 5. Clutch Operator: Manufacturer's standard material and design integrated with bracket/brake assembly.
    - a. Provide a permanently lubricated brake assembly mounted on an oil-impregnated hub with wrapped spring clutch.
    - b. Brake must withstand minimum pull force of 50 lb in the stopped position.
    - c. Mount clutch/brake assembly on the support brackets, fully independent of the roller tube components.
  - 6. Drive Chain: Continuous loop stainless steel beaded ball chain, 95 lb minimum breaking strength. Provide upper and lower limit stops.
    - a. Chain Retainer: Chain tensioning device complying with WCMA A100.1.
  - 7. Accessories:
    - a. Fascia: Extruded aluminum, size as required to conceal shade mounting, attachable to brackets without exposed fasteners; clear anodized finish.
      - 1) Color: Gray.
    - b. Ceiling Pockets: Premanufactured metal shade pocket with removable closure panel, for recess mounting in acoustical tile or drywall ceilings; size and configuration as indicated on

drawings.

- C. Roller Shades Basis of Design: MechoShade Systems LLC; ElectroShade with iQ2-AC EDU, line voltage, 120 VAC: www.mechoshade.com/#sle.
  - 1. Description: Single roller, motor-operated fabric window shade system complete with mounting brackets, roller tubes, hembars, hardware, and accessories.
    - a. Drop Position: Regular roll.
    - b. Mounting: Ceiling mounted.
    - c. Size: As indicated on drawings.
    - d. Fabric: As indicated under Shade Fabric article.
  - 2. Brackets and Mounting Hardware: As recommended by manufacturer for mounting indicated and to accommodate shade fabric roll-up size and weight.
    - a. Material: Steel. 1/8 inch thick.
  - 3. Roller Tubes:
    - a. Material: Extruded aluminum.
    - b. Size: As recommended by manufacturer; selected for suitability for installation conditions, span, and weight of shades.
    - c. Fabric Attachment: Utilize extruded channel in tube to accept vinyl spline welded to fabric edge. Shade band to be removable and replaceable without removing roller tube from brackets or inserting spline from the side of the roller tube.
  - 4. Hembars: Designed to maintain bottom of shade straight and flat.
    - a. Style: Full wrap fabric covered bottom bar, flat profile with heat sealed closed ends.
  - 5. Intelligent Encoded Electronic Drive System:
    - a. Line-Voltage EDU, 120 VAC:
      - 1) Audible Noise: 46 dBA or less measured 3 feet from motor unit, depending on motor torque.
    - b. Modes of Operation:
      - 1) Uniform Mode: Shades move only to defined intermediate stop positions to maintain aesthetic uniformity.
      - 2) Normal Mode: Shades move to defined intermediate stop positions plus any position between defined upper and lower limits.
      - Maintenance Mode: Prevent shade from moving to newly commanded positions via dry contact or network control commands until EDU has been serviced or Maintenance Mode has been cleared or disabled
    - c. Control Methods:
      - 1) Local isolated dry contact inputs support local switch control and third-party system integration without separate interface.
      - 2) Bidirectional network communication enables commanding operation of large groups of shades over common backbone.
      - 3) Provide minimum of three customizable preset positions accessible over network connection and local dry contact control inputs.
      - 4) Provide minimum of 32 customizable preset positions, including three local switch presets, accessible via network commands.
  - 6. Accessories:
    - a. Fascia: Removable extruded aluminum fascia, size as required to conceal shade mounting, attachable to brackets without exposed fasteners; baked enamel finish.
      - 1) Color: Gray.

- 2) Configuration: Captured; fascia stops at bracket end.
- b. Fasteners: Noncorrosive, and as recommended by shade manufacturer.

# 2.03 SHADE FABRIC

- A. Fabric: Nonflammable, color-fast, impervious to heat and moisture, and able to retain its shape under normal operation.
  - 1. Manufacturers:
    - a. MechoShade Systems LLC; Soho 1100 Series (1% open): www.mechoshade.com/#sle.
    - b. Substitutions: See Section 01 60 00 Product Requirements.
  - 2. Material: Vinyl coated polyester.
  - 3. Material Certificates and Product Disclosures:
    - a. Low-Emitting Material Certification: Greenguard Gold certified and listed in UL (GGG).
    - b. Cradle to Cradle Material Health Certificate: Achievement level of Bronze.
    - c. Health Product Declaration (HPD): Complete, published declaration with full disclosure of known hazards.
  - 4. Performance Requirements:
    - a. Flammability: Pass NFPA 701 large and small tests.
    - b. Fungal Resistance: No growth when tested according to ASTM G21.
  - 5. Roll Width: 72 inches.
  - 6. Color: As selected by Architect/Engineer from manufacturer's full range of colors.

### 2.04 MOTOR CONTROLS

- A. Unless specifically indicated to be excluded, provide all required equipment, conduit, boxes, wiring, connectors, hardware, supports, accessories, software, system programming, etc. as necessary for a complete operating system that provides the control intent indicated.
- B. Provide all components and connections necessary to interface with other systems as indicated.
- C. Digital Network Controls:
  - 1. Intelligent Motors and Devices: Identifiable over network without separate interface.
  - 2. Provide suitable interface modules as indicated or as required for connection to standard (nonintelligent) motors and devices.
  - 3. Capable of reprogrammed control without requiring wiring modifications.
  - 4. Capable of assigning shade motors to shade groups/sub-groups.
  - 5. Capable of storing programmable open and close limits and minimum of three intermediate preset stop positions for each shade.
  - 6. Capable of aligning adjacent shades within accuracy of plus/minus 0.25 inch.
  - 7. Provide 10 year nonvolatile power failure memory for system configuration settings.
  - 8. Basis of Design: MechoShade Systems LLC; MechoNet: www.mechoshade.com/#sle.
    - a. Low-voltage network utilizes standard Category 5/6 UTP cable; maximum of 4,000 feet, 250 nodes.

### 2.05 ROLLER SHADE FABRICATION

- A. Field measure finished openings prior to ordering or fabrication.
- B. Dimensional Tolerances: Fabricate shades to fit openings within specified tolerances.
  - 1. Vertical Dimensions: Fill openings from head to sill with 1/2 inch space between bottom bar and window stool.

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 WINDOW SHADES

- 2. Horizontal Dimensions Outside Mounting: Cover window frames, trim, and casings completely.
- C. Dimensional Tolerances: As recommended in writing by manufacturer.

### PART 3 EXECUTION

### 3.01 EXAMINATION

- A. Examine finished openings for deficiencies that may preclude satisfactory installation.
- B. If substrate preparation is the responsibility of another installer, notify Architect/Engineer of unsatisfactory preparation before proceeding.
- C. Start of installation shall be considered acceptance of substrates.

# 3.02 PREPARATION

- A. Prepare surfaces using methods recommended by manufacturer for achieving best result for substrate under the project conditions.
- B. Coordinate with window installation and placement of concealed blocking to support shades.

### 3.03 INSTALLATION

- A. Install in accordance with manufacturer's instructions and approved shop drawings, using mounting devices as indicated.
- B. Replace shades that exceed specified dimensional tolerances at no extra cost to Owner.
- C. Adjust level, projection, and shade centering from mounting bracket. Verify there is no telescoping of shade fabric. Ensure smooth shade operation.

### 3.04 SYSTEM STARTUP

A. Motorized Shade System: Provide services of a manufacturer's authorized representative to perform system startup.

# 3.05 CLEANING

- A. Clean soiled shades and exposed components as recommended by manufacturer.
- B. Replace shades that cannot be cleaned to "like new" condition.

# 3.06 CLOSEOUT ACTIVITIES

- A. See Section 01 78 00 Closeout Submittals, for closeout submittals.
- B. See Section 01 79 00 Demonstration and Training, for additional requirements.
- C. Demonstration: Demonstrate operation and maintenance of window shade system to Owner's personnel.
- D. Training: Train Owner's personnel on operation and maintenance of system.
  - 1. Use operation and maintenance manual as training reference, supplemented with additional training materials as required.
  - 2. Provide minimum of two hours training by manufacturer's authorized personnel at location designated by the Owner.

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# 3.07 PROTECTION

- A. Protect installed products from subsequent construction operations.
- B. Touch-up, repair, or replace damaged products before Substantial Completion.

# 3.08 MAINTENANCE

A. See Section 01 70 00 - Execution and Closeout Requirements, for additional requirements relating to maintenance service.

# **END OF SECTION**

# **SECTION 12 36 00 COUNTERTOPS**

### PART 1 GENERAL

### 1.01 SECTION INCLUDES

- A. Countertops for architectural cabinet work.
- B. Wall-hung counters and vanity tops.

# 1.02 RELATED REQUIREMENTS

- A. Section 06 41 00 Custom Casework.
- B. Section 22 40 00 Plumbing Fixtures: Sinks.

### 1.03 REFERENCE STANDARDS

- A. ANSI A208.2 Medium Density Fiberboard (MDF) for Interior Applications 2022.
- B. NEMA LD 3 High-Pressure Decorative Laminates 2005.

### 1.04 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements for submittal procedures.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
  - 1. Preparation instructions and recommendations.
  - 2. Storage and handling requirements and recommendations.
  - 3. Specimen warranty.
- C. Shop Drawings: Complete details of materials and installation; combine with shop drawings of cabinets and casework specified in other sections.
- D. Selection Samples: For each finish product specified, color chips representing manufacturer's full range of available colors and patterns.
- E. Verification Samples: For each finish product specified, minimum size 6 inches square, representing actual product, color, and patterns.
- F. Installation Instructions: Manufacturer's installation instructions and recommendations.
- G. Maintenance Data: Manufacturer's instructions and recommendations for maintenance and repair of countertop surfaces.

# 1.05 QUALITY ASSURANCE

A. Installer Qualifications: Company specializing in performing work of the type specified in this section, with not less than five years of experience.

# 1.06 DELIVERY, STORAGE, AND HANDLING

A. See Section 06 41 00 - Custom Casework.

**SECTION 12 36 00** Project No. 23-471-1466 12 36 00 - 1 **COUNTERTOPS** 

# 1.07 FIELD CONDITIONS

A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

# PART 2 PRODUCTS

# 2.01 COUNTERTOPS

- A. Quality Standard: See Section 06 41 00.
- B. Plastic Laminate Countertops: High-pressure decorative laminate (HPDL) sheet bonded to substrate.
  - 1. Laminate Sheet: NEMA LD 3 Grade HGS, 0.048 inch nominal thickness.
    - a. Finish: Matte or suede, gloss rating of 5 to 20.
    - b. Surface Color and Pattern: As selected by Architect/Engineer from the manufacturer's full
  - 2. Exposed Edge Treatment: Square, substrate built up to minimum 1-1/4 inch thick; covered with plastic edgebanding.
  - 3. Back and End Splashes: Same material, same construction.

# 2.02 MATERIALS

- A. Plastic Edgebanding: Extruded 3mm PVC or ABS, flat shaped; smooth finish; bonded to edge of component; of width to match component thickness. Provide "flexible" PVC material for curved component edges.
  - 1. Manufacturers:
    - a. Charter Industries: www.charterindustries.com.
    - b. EdgeCo, Inc.: www.edgecoinc.com.
    - c. Frama-Tech, Inc.: www.framatech.net.
    - d. Teknaform: www.teknaform.com.
  - 2. Color: As shown on drawings.
  - 3. Use at exposed edges of plastic laminate countertops, backsplashes and sidesplashes.
- B. Medium Density Fiberboard for Supporting Substrate: ANSI A208.2.
- C. Adhesives: Chemical resistant waterproof adhesive as recommended by manufacturer of materials being joined.
- D. Joint Sealant: Mildew-resistant silicone sealant, clear.

# 2.03 FABRICATION

- A. Fabricate tops and splashes in the largest sections practicable, with top surface of joints flush.
  - 1. Join lengths of tops using best method recommended by manufacturer.
  - 2. Fabricate to overhang fronts and ends of cabinets 1 inch except where top butts against cabinet or wall.
  - 3. Prepare all cutouts accurately to size; replace tops having improperly dimensioned or unnecessary cutouts or fixture holes.
- B. Provide back/end splash wherever counter edge abuts vertical surface unless otherwise indicated.
  - 1. Secure to countertop with concealed fasteners and with contact surfaces set in waterproof glue.

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- 2. Height: 4 inches, unless otherwise indicated.
- C. Wall-Mounted Counters: Provide skirts, aprons, brackets, and braces as indicated on the Drawings, finished to match.

# PART 3 EXECUTION

# 3.01 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect/Engineer of unsatisfactory preparation before proceeding.
- C. Verify that wall surfaces have been finished and mechanical and electrical services and outlets are installed in proper locations.

# 3.02 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

# 3.03 INSTALLATION

- A. Securely attach countertops to cabinets using concealed fasteners. Make flat surfaces level; shim where required.
- B. Attach plastic laminate countertops using screws with minimum penetration into substrate board of 5/8 inch.
- C. Seal joint between back/end splashes and vertical surfaces.

### 3.04 CLEANING

A. Clean countertops surfaces thoroughly.

#### 3.05 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Date of Substantial Completion.

# **END OF SECTION**

# **SECTION 21 05 00** COMMON WORK RESULTS FOR FIRE SUPPRESSION

# PART 1 GENERAL

#### 1.01 SECTION INCLUDES

- A. Above ground piping.
- B. Escutcheons.
- C. Mechanical couplings.
- D. Pipe hangers and supports.
- E. Pipe sleeves.

## 1.02 RELATED REQUIREMENTS

A. Section 21 13 00 - Fire-Suppression Sprinkler Systems: Sprinkler systems design.

#### 1.03 REFERENCE STANDARDS

- A. ASME A112.18.1 Plumbing Supply Fittings 2018, with Errata.
- B. ASME BPVC-IX Boiler and Pressure Vessel Code, Section IX Qualification Standard for Welding, Brazing, and Fusing Procedures; Welders; Brazers; and Welding, Brazing, and Fusing Operators 2023.
- C. ASME B16.1 Gray Iron Pipe Flanges and Flanged Fittings: Classes 25, 125, and 250 2020.
- D. ASME B16.3 Malleable Iron Threaded Fittings: Classes 150 and 300 2021.
- E. ASME B16.4 Gray Iron Threaded Fittings: Classes 125 and 250 2021.
- F. ASME B16.9 Factory-Made Wrought Buttwelding Fittings 2018.
- G. ASME B16.25 Buttwelding Ends 2017.
- H. ASTM A47/A47M Standard Specification for Ferritic Malleable Iron Castings 1999, with Editorial Revision (2022).
- I. ASTM A536 Standard Specification for Ductile Iron Castings 1984, with Editorial Revision (2019).
- J. ASTM C592 Standard Specification for Mineral Fiber Blanket Insulation and Blanket-Type Pipe Insulation (Metal-Mesh Covered) (Industrial Type) 2022a.
- K. AWWA C606 Grooved and Shouldered Joints 2022.
- L. NFPA 13 Standard for the Installation of Sprinkler Systems Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- M. UL (DIR) Online Certifications Directory Current Edition.

# 1.04 SUBMITTALS

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- A. See Section 01 30 00 Administrative Requirements for submittal procedures.
- B. Product Data: Provide manufacturer's catalog information. Indicate valve data and ratings.

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**SECTION 21 05 00** 

SUPPRESSION

COMMON WORK RESULTS FOR FIRE

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- C. Shop Drawings: Indicate pipe materials used, jointing methods, supports, and floor and wall penetration seals. Indicate installation, layout, weights, mounting and support details, and piping connections.
- D. Project Record Documents: Record actual locations of components and tag numbering.
- E. Operation and Maintenance Data: Include installation instructions and spare parts lists.

## 1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the Products specified in this section with minimum three years documented experience.
- B. Installer Qualifications: Company specializing in performing work of the type specified in this section.
  - 1. Minimum three years experience.
- C. Conform to UL and FM requirements.
- D. Valves: Bear UL label or marking. Provide manufacturer's name and pressure rating marked on valve body.
- E. Products Requiring Electrical Connection: Listed and classified as suitable for the purpose specified and indicated.
- F. Clean equipment, pipes, valves, and fittings of grease, metal cuttings, and sludge that may have accumulated from the installation and testing of the system.

# 1.06 DELIVERY, STORAGE, AND HANDLING

- A. Deliver and store valves in shipping containers, with labeling in place.
- B. Provide temporary protective coating on cast iron and steel valves.
- C. Provide temporary end caps and closures on piping and fittings. Maintain in place until installation.

## PART 2 PRODUCTS

## 2.01 GENERAL REQUIREMENTS

- A. Welding Materials and Procedures: Comply with ASME BPVC-IX.
- B. Provide system pipes, fittings, sleeves, escutcheons, seals, and other related accessories.

## 2.02 ABOVE GROUND PIPING

- A. Steel Pipe: Schedule 40. black.
  - 1. Steel Fittings: ASME B16.9 wrought steel, buttwelded or ASME B16.25 buttweld ends.
  - 2. Cast Iron Fittings: ASME B16.1, flanges and flanged fittings and ASME B16.4, threaded fittings.
  - 3. Malleable Iron Fittings: ASME B16.3, threaded fittings and ASTM A47/A47M.
  - 4. Mechanical Grooved Couplings: Malleable iron housing clamps to engage and lock, "C" shaped elastomeric sealing gasket, steel bolts, nuts, and washers; galvanized for galvanized pipe.

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SECTION 21 05 00 COMMON WORK RESULTS FOR FIRE SUPPRESSION 5. Mechanical Formed Fittings: Carbon steel housing with integral pipe stop and O-ring pocked and O-ring, uniformly compressed into permanent mechanical engagement onto pipe.

## 2.03 PIPE SLEEVES

- A. Vertical Piping:
  - 1. Sleeve Length: 1 inch above finished floor.
  - 2. Provide sealant for watertight joint.
  - 3. Blocked Out Floor Openings: Provide 1-1/2 inch angle set in silicon adhesive around opening.
  - 4. Drilled Penetrations: Provide 1-1/2 inch angle ring or square set in silicone adhesive around penetration.
- B. Plastic, Sheet Metal, or Moisture-Resistant Fiber: Pipe passing through interior walls, partitions, and floors, unless steel or brass sleeves are specified below.
- C. Clearances:
  - 1. Wall, Floor, Floor, Partitions, and Beam Flanges: 1 inch greater than external; pipe diameter.

## 2.04 ESCUTCHEONS

- A. Manufacturers:
  - 1. Fire Protection Products, Inc.
  - 2. Tyco Fire Protection Products.
  - 3. Viking Group Inc.
- B. Material:
  - 1. Fabricate from nonferrous metal.
  - Chrome-plated.
  - 3. Metals and Finish: Comply with ASME A112.18.1.
- C. Construction:
  - 1. One-piece for mounting on chrome-plated tubing or pipe and one-piece or split-pattern type elsewhere.
  - 2. Internal spring tension devices or setscrews to maintain a fixed position against a surface.

## 2.05 PIPE HANGERS AND SUPPORTS

- A. Hangers for Pipe Sizes 1/2 to 1-1/2 inch: Malleable iron, adjustable swivel, split ring.
- B. Hangers for Pipe Sizes 2 inches and Over: Carbon steel, adjustable, clevis.
- C. Multiple or Trapeze Hangers: Steel channels with welded spacers and hanger rods.
- D. Wall Support for Pipe Sizes to 3 inches: Cast iron hook.
- E. Wall Support for Pipe Sizes 4 inches and Over: Welded steel bracket and wrought steel clamp.

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F. Vertical Support: Steel riser clamp.

#### 2.06 MECHANICAL COUPLINGS

- A. Manufacturers:
  - Anvil International.
  - 2. Tyco Fire Protection Products.

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- 3. Victaulic Company; FireLock Style 009H.
- B. Rigid Mechanical Couplings for Grooved Joints:
  - 1. Dimensions and Testing: Comply with AWWA C606.
  - 2. Minimum Working Pressure: 300 psig.
  - 3. Housing Material: Fabricate of ductile iron complying with ASTM A536.
  - 4. Housing Coating: Factory applied orange enamel.
  - 5. Gasket Material: EPDM suitable for operating temperature range from minus 30 degrees F to 230 degrees F.
  - 6. Bolts and Nuts: Hot-dipped-galvanized or zinc-electroplated steel.

## PART 3 EXECUTION

## 3.01 PREPARATION

- A. Ream pipe and tube ends. Remove burrs. Bevel plain end ferrous pipe.
- B. Remove scale and foreign material, from inside and outside, before assembly.
- C. Prepare piping connections to equipment with flanges or unions.

## 3.02 INSTALLATION

- A. Install sprinkler system and service main piping, hangers, and supports in accordance with NFPA 13.
- B. Route piping in orderly manner, plumb and parallel to building structure. Maintain gradient.
- C. Install piping to conserve building space, to not interfere with use of space and other work.
- D. Group piping whenever practical at common elevations.
- E. Install piping to allow for expansion and contraction without stressing pipe, joints, or connected equipment.

#### F. Inserts:

- 1. Provide inserts for placement in concrete formwork.
- 2. Provide inserts for suspending hangers from reinforced concrete slabs and sides of reinforced concrete beams.
- 3. Where inserts are omitted, drill through concrete slab from below and provide through-bolt with recessed square steel plate and nut flush with top of slab.
- G. Pipe Hangers and Supports:
  - 1. Install hangers to provide minimum 1/2 inch space between finished covering and adjacent work.
  - 2. Place hangers within 12 inches of each horizontal elbow.
  - 3. Use hangers with 1-1/2 inch minimum vertical adjustment. Design hangers for pipe movement without disengagement of supported pipe.
  - 4. Support vertical piping at every other floor. Support riser piping independently of connected horizontal piping.
  - 5. Where several pipes can be installed in parallel and at same elevation, provide multiple or trapeze hangers.

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SECTION 21 05 00 COMMON WORK RESULTS FOR FIRE SUPPRESSION

- H. Slope piping and arrange systems to drain at low points. Use eccentric reducers to maintain top of pipe level.
- Prepare pipe, fittings, supports, and accessories for finish painting. Where pipe support members
  are welded to structural building framing, scrape, brush clean, and apply one coat of zinc-rich
  primer to welding.
- J. Do not penetrate building structural members unless indicated.
- K. Provide sleeves when penetrating floors, walls, and partitions and seal pipe and sleeve penetrations to achieve fire resistance equivalent to fire separation required.
  - 1. Aboveground Piping:
    - a. Pack solid using mineral fiber complying with ASTM C592.
    - b. Fill space with an elastomer caulk to a depth of 0.50 inch where penetrations occur between conditioned and unconditioned spaces.
  - 2. Caulk exterior wall sleeves watertight with lead and oakum or mechanically expandable chloroprene inserts with mastic-sealed components.

## L. Escutcheons:

- 1. Install and firmly attach escutcheons at piping penetrations into finished spaces.
- 2. Provide escutcheons on both sides of partitions separating finished areas through which piping passes.
- 3. Attach plates at the underside only of suspended ceilings.
- 4. Use chrome plated escutcheons in occupied spaces and to conceal openings in construction.
- M. When installing more than one piping system material, ensure system components are compatible and joined to ensure the integrity of the system. Provide necessary joining fittings. Ensure flanges, unions, and couplings for servicing are consistently provided.

## 3.03 CLEANING

- A. Upon completion of work, clean all parts of the installation.
- B. Clean equipment, pipes, valves, and fittings of grease, metal cuttings, and sludge that may have accumulated from the installation and testing of the system.

## **END OF SECTION**

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# **SECTION 21 13 00** FIRE-SUPPRESSION SPRINKLER SYSTEMS

# PART 1 GENERAL

## 1.01 SECTION INCLUDES

- A. Wet-pipe sprinkler system.
- B. System design, installation, and certification.

## 1.02 RELATED REQUIREMENTS

- A. Section 21 05 00 Common Work Results for Fire Suppression: Pipe and fittings.
- B. Section 26 05 83 Wiring Connections: Electrical characteristics and wiring connections.

#### 1.03 REFERENCE STANDARDS

- A. FM (AG) FM Approval Guide Current Edition.
- B. ITS (DIR) Directory of Listed Products Current Edition.
- C. NFPA 13 Standard for the Installation of Sprinkler Systems Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- D. UL (DIR) Online Certifications Directory Current Edition.

#### 1.04 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements for submittal procedures.
- B. Product Data: Provide data on sprinklers, valves, and specialties, including manufacturers catalog information. Submit performance ratings, rough-in details, weights, support requirements, and piping connections.
- C. Shop Drawings:
  - 1. Indicate hydraulic calculations, detailed pipe layout, hangers and supports, sprinklers, components, and accessories. Indicate system controls.
  - 2. Submit shop drawings to Authorities Having Jurisdiction for approval. Submit proof of approval to Architect/Engineer.
- D. Operation and Maintenance Data: Include components of system, servicing requirements, record drawings, inspection data, replacement part numbers and availability, and location and numbers of service depot.
- E. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
  - 1. See Section 01 60 00 Product Requirements for additional provisions.
  - 2. Extra Sprinklers: Type and size matching those installed in quantity required by referenced NFPA design and installation standard.
  - 3. Sprinkler Wrenches: For each sprinkler type.
- F. Project Record Documents: Record actual locations of sprinklers and deviations of piping from drawings. Indicate drain and test locations.

# 1.05 QUALITY ASSURANCE

- A. Conform to FM (AG) requirements.
- B. Designer Qualifications: Design system under direct supervision of a Professional Engineer experienced in design of this type of work and licensed in the State in which the Project is located. Or a holder of a valid NICET level III or IV Sprinkler Technician.
- C. Manufacturer Qualifications: Company specializing in manufacturing the Products specified in this section with minimum three years documented experience.
- D. Installer Qualifications: Company specializing in performing the work of this section with minimum 3 years experience approved by manufacturer.
- E. Equipment and Components: Provide products that bear ITS (DIR) label or marking.
- F. Products Requiring Electrical Connection: Listed and classified by UL (DIR) as suitable for the purpose specified and indicated.

# 1.06 DELIVERY, STORAGE, AND HANDLING

A. Store products in shipping containers and maintain in place until installation. Provide temporary inlet and outlet caps. Maintain caps in place until installation.

## PART 2 PRODUCTS

#### 2.01 SPRINKLER SYSTEM

- A. Sprinkler System: Provide coverage for building areas noted.
- B. Water Supply: Determine volume and pressure from water flow test data.
- C. Storage Cabinet for Spare Sprinklers and Tools: Steel, located adjacent to alarm valve.

## 2.02 SPRINKLERS

- A. Suspended Ceiling Type: Semi-recessed pendant type with matching push on escutcheon plate.
  - 1. Response Type: Standard.
  - 2. Coverage Type: Standard.
  - 3. Finish: Chrome plated.
  - 4. Escutcheon Plate Finish: Chrome plated.
  - 5. Fusible Link: Glass bulb type temperature rated for specific area hazard.
- B. Exposed Area Type: Upright type with guard.
  - 1. Response Type: Standard.
  - 2. Coverage Type: Standard.
  - Finish: Brass.
  - 4. Fusible Link: Glass bulb type temperature rated for specific area hazard.
- C. Guards: Finish to match sprinkler finish.

## 2.03 STAINLESS STEEL FLEXIBLE DROPS

A. Manufacturers:

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- 1. Flex Head Industries, Inc.
- 2. Agua Flex.
- 3. Victaulic Company.
- B. In lieu of rigid pipe offsets or return bends. Braided type 304 stainless steel flexible tube with male threaded pipe nipple for connection to branchline piping, and a zinc plated steel reducer with a 1/2" or 3/4" NPT female thread for connection to a sprinkler head. The hoses shall be factory-pressure tested to 400 psi.
- C. Flexible drop shall attach to the ceiling grid with open gate bracket and can be installed without the use of special tools.
- D. The braided drop shall be FM approved for sprinkler services to 200 psi.

#### PART 3 EXECUTION

## 3.01 INSTALLATION

- A. Install in accordance with referenced NFPA design and installation standard.
- B. Install equipment in accordance with manufacturer's instructions.
- C. Place pipe runs to minimize obstruction to other work.
- D. Place piping in concealed spaces above finished ceilings.
- E. Center sprinklers in two directions in ceiling tile and provide piping offsets as required.
- F. Apply masking tape or paper cover to ensure concealed sprinklers, cover plates, and sprinkler escutcheons do not receive field paint finish. Remove after painting. Replace painted sprinklers.
- G. Flush entire piping system of foreign matter.
- H. Install guards on sprinklers exposed sprinklers within 8' of finished floor.

## 3.02 INTERFACE WITH OTHER PRODUCTS

A. Ensure required devices are installed and connected as required to fire alarm system.

### 3.03 SCHEDULES

- A. System Hazard Areas:
  - 1. Offices: Light Hazard.
  - 2. Equipment and Storage Rooms: Ordinary Hazard, Group 2.
  - 3. Other Areas: In accordance with NFPA 13.

#### END OF SECTION

# SECTION 22 05 53 IDENTIFICATION FOR PLUMBING PIPING AND EQUIPMENT

# PART 1 GENERAL

## 1.01 SECTION INCLUDES

- A. Tags.
- B. Pipe markers.

## 1.02 REFERENCE STANDARDS

A. ASME A13.1 - Scheme for the Identification of Piping Systems 2020.

## 1.03 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements for submittal procedures.
- B. Schedules:
  - 1. Submit plumbing component identification schedule listing equipment, piping, and valves.
  - 2. Valve Data Format: Include id-number, location, function, and model number. Coordinate with owner on exact valve number format.
- C. Project Record Documents: Record actual locations of tagged valves.

# PART 2 PRODUCTS

## 2.01 PLUMBING COMPONENT IDENTIFICATION GUIDELINE

- A. Tags:
  - 1. Piping: 3/4 inch diameter and smaller.
  - 2. Manual operated and automated control valves.
- B. Pipe Markers: 3/4 inch diameter and higher.

## 2.02 TAGS

- A. Manufacturers:
  - 1. Brimar Industries, Inc..
  - 2. Craftmark Pipe Markers.
  - 3. Kolbi Pipe Marker Co..
  - 4. Seton Identification Products.
- B. Plastic Tags: Laminated three-layer plastic with engraved black letters on light contrasting background color. Tag size minimum 1-1/2 inch diameter.

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C. Valve Tag Chart: Typewritten 12-point letter size list in anodized aluminum frame.

#### 2.03 PIPE MARKERS

- A. Manufacturers:
  - 1. Brimar Industries, Inc.
  - 2. Craftmark Pipe Markers.
  - 3. Kolbi Pipe Marker Co..

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IDENTIFICATION FOR PLUMBING PIPING AND EQUIPMENT

- 4. Seton Identification Products.
- B. Comply with ASME A13.1.
- C. Flexible Marker: Factory fabricated, semi-rigid, preformed to fit around pipe or pipe covering; minimum information indicating flow direction arrow and identification of fluid conveyed.
- D. Flexible Tape Marker: Flexible, vinyl film tape with pressure-sensitive adhesive backing and printed markings.
- E. Identification Scheme, ASME A13.1:
  - 1. Primary: External Pipe Diameter, Uninsulated or Insulated.
    - a. 3/4 to 1-1/4 inches: Use 8 inch field-length with 1/2 inch text height.
    - b. 1-1/2 to 2 inches: Use 8 inch field-length with 3/4 inch text height.
    - c. 2-1/2 to 6 inches: Use 12 inch field-length with 1-1/4 inch text height.
  - 2. Secondary: Color scheme per fluid service.
    - a. Cold Potable Water; White text on green background.
    - b. Hot and Hot Water Recirculation Potable Water; Black text on yellow background.
  - 3. Tertiary: Other Details.
    - a. Directional flow arrow.

## PART 3 EXECUTION

## 3.01 PREPARATION

A. Degrease and clean surfaces to receive identification products.

## 3.02 INSTALLATION

- A. Install tags in clear view and align with axis of piping
- B. Install plastic pipe markers in accordance with manufacturer's instructions.
- C. Install plastic tape pipe marker around pipe in accordance with manufacturer's instructions.
- D. Apply ASME A13.1 Pipe Marking Rules:
  - 1. Place pipe marker adjacent to changes in direction.
  - 2. Place pipe marker adjacent each valve port and flange end.
  - 3. Place pipe marker at both sides of floor and wall penetrations.
  - 4. Place pipe marker every 25 to 50 feet interval of straight run.

## **END OF SECTION**

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# SECTION 22 07 19 PLUMBING PIPING INSULATION

## PART 1 GENERAL

## 1.01 SECTION INCLUDES

- A. Glass fiber insulation.
- B. Jacketing and accessories.

## 1.02 RELATED REQUIREMENTS

A. Section 22 10 05 - Plumbing Piping: Placement of hangers and hanger inserts.

### 1.03 REFERENCE STANDARDS

- A. ASTM C177 Standard Test Method for Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Guarded-Hot-Plate Apparatus 2019, with Editorial Revision (2023).
- B. ASTM C195 Standard Specification for Mineral Fiber Thermal Insulating Cement 2007 (Reapproved 2019).
- C. ASTM C547 Standard Specification for Mineral Fiber Pipe Insulation 2022a.
- D. ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials 2023.
- E. ASTM E96/E96M Standard Test Methods for Gravimetric Determination of Water Vapor Transmission Rate of Materials 2022a, with Editorial Revision (2023).
- F. UL 723 Standard for Test for Surface Burning Characteristics of Building Materials Current Edition, Including All Revisions.

## 1.04 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements for submittal procedures.
- B. Product Data: Provide product description, thermal characteristics, list of materials and thickness for each service, and locations.
- C. Manufacturer's Instructions: Indicate installation procedures that ensure acceptable workmanship and installation standards will be achieved.

# 1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the Products specified in this section with not less than three years of documented experience.
- B. Applicator Qualifications: Company specializing in performing the type of work specified in this section with minimum three years of experience.
- C. Comply with the Midwest Insulation Contractors Association "National Commercial and Industrial Insulation Standards".

# 1.06 DELIVERY, STORAGE, AND HANDLING

A. Accept materials on site, labeled with manufacturer's identification, product density, and thickness.

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## 1.07 FIELD CONDITIONS

- A. Maintain ambient conditions required by manufacturers of each product.
- B. Maintain temperature before, during, and after installation for minimum of 24 hours.

## PART 2 PRODUCTS

## 2.01 REGULATORY REQUIREMENTS

A. Surface Burning Characteristics: Flame spread index/Smoke developed index of 25/50, maximum, when tested in accordance with ASTM E84, UL 723, ASTM E84, or UL 723.

### 2.02 GLASS FIBER INSULATION

- A. Manufacturers:
  - 1. CertainTeed Corporation.
  - 2. Johns Manville Corporation.
  - 3. Knauf Insulation.
  - 4. Owens Corning Corporation.
- B. Insulation: ASTM C547and ASTM C795; semi-rigid, noncombustible, end grain adhered to jacket.
  - 1. K Value: ASTM C177, 0.24 at 75 degrees F.
  - 2. Maximum Service Temperature: 650 degrees F.
  - 3. Maximum Moisture Absorption: 0.2 percent by volume.
- C. Vapor Barrier Jacket: White Kraft paper with glass fiber yarn, bonded to aluminized film; moisture vapor transmission when tested in accordance with ASTM E96/E96M of 0.02 perm.
- D. Vapor Barrier Lap Adhesive: Compatible with insulation.
- E. Insulating Cement/Mastic: ASTM C195; hydraulic setting on mineral wool.

### 2.03 JACKETING AND ACCESSORIES

- A. PVC Plastic Jacket:
  - 1. Jacket: One piece molded type fitting covers, off-white color.
    - a. Minimum Service Temperature: 0 degrees F.
    - b. Maximum Service Temperature: 150 degrees F.
    - c. Moisture Vapor Permeability: 0.002 perm inch, maximum, when tested in accordance with ASTM E96/E96M.
    - d. Thickness: 10 mil, 0.010 inch.
    - e. Connections: Brush on welding adhesive.
  - 2. Covering Adhesive Mastic: Compatible with insulation.

# PART 3 EXECUTION

## 3.01 EXAMINATION

- A. Verify that piping has been tested before applying insulation materials.
- B. Verify that surfaces are clean and dry, with foreign material removed.

## 3.02 INSTALLATION

A. Install in accordance with manufacturer's instructions.

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PLUMBING PIPING INSULATION

- B. Install in accordance with North American Insulation Manufacturers Association (NAIMA) National Insulation Standards.
- C. Exposed Piping: Locate insulation and cover seams in least visible locations.
- D. Insulated pipes conveying fluids below ambient temperature: Insulate entire system including fittings, valves, unions, flanges, strainers, flexible connections, and expansion joints. All hangers, supports, anchors and other projections that are in contact to cold surfaces shall be insulated and vapor sealed to prevent condensation.
- E. Glass fiber insulated pipes conveying fluids below ambient temperature:
  - 1. Provide vapor barrier jackets, factory-applied or field-applied. Secure with self-sealing longitudinal laps and butt strips with pressure-sensitive adhesive. Secure with outward clinch expanding staples and vapor barrier mastic.
  - 2. Insulate fittings, joints, and valves with molded insulation of like material and thickness as adjacent pipe. Finish with glass cloth and vapor barrier adhesive or PVC fitting covers.
- F. For hot piping conveying fluids 140 degrees F or less, do not insulate flanges and unions at equipment, but bevel and seal ends of insulation.
- G. Glass fiber insulated pipes conveying fluids above ambient temperature:
  - 1. Provide standard jackets, with or without vapor barrier, factory-applied or field-applied. Secure with self-sealing longitudinal laps and butt strips with pressure-sensitive adhesive. Secure with outward clinch expanding staples.
  - 2. Insulate fittings, joints, and valves with insulation of like material and thickness as adjoining pipe. Finish with glass cloth and adhesive or PVC fitting covers.
- H. Inserts and Shields:
  - 1. Shields: Galvanized steel between pipe hangers or pipe hanger rolls and inserts.
  - 2. Insert Location: Between support shield and piping and under the finish jacket.
  - 3. Insert Configuration: Minimum 6 inches long, of same thickness and contour as adjoining insulation; may be factory fabricated.
  - 4. Insert Material: Hydrous calcium silicate insulation or other heavy density insulating material suitable for the planned temperature range.
- I. Apply insulation at pipe hangers and supports according to National Commercial and Industrial Standards Plate Numbers 5, 6 and 7.

## 3.03 SCHEDULES

- A. Plumbing Systems:
  - 1. Domestic Hot Water Supply:
    - a. Glass Fiber Insulation:
      - 1) Pipe Size Range: Up to and including 2 inch.
        - a) Thickness: 1 inch.
  - 2. Domestic Hot Water Recirculation:
    - a. Glass Fiber Insulation:
      - 1) Pipe Size Range: All sizes.
        - a) Thickness: 1 inch.
  - 3. Domestic Cold Water:
    - a. Glass Fiber Insulation:

Pipe Size Range: All sizes.
 Thickness: 1 inch.

# **END OF SECTION**

# **SECTION 22 10 05** PLUMBING PIPING

#### PART 1 GENERAL

#### 1.01 SECTION INCLUDES

- A. Sanitary waste piping, above grade.
- B. Domestic water piping, above grade.
- C. Pipe flanges, unions, and couplings.
- D. Pipe hangers and supports.
- E. Valves
  - 1. Ball valves.

## 1.02 RELATED REQUIREMENTS

- A. Section 22 05 53 Identification for Plumbing Piping and Equipment.
- B. Section 22 07 19 Plumbing Piping Insulation.

## 1.03 REFERENCE STANDARDS

- A. ASME B16.18 Cast Copper Alloy Solder Joint Pressure Fittings 2021.
- B. ASME B16.22 Wrought Copper and Copper Alloy Solder-Joint Pressure Fittings 2021.
- C. ASME B16.23 Cast Copper Alloy Solder Joint Drainage Fittings: DWV 2021.
- D. ASME B16.29 Wrought Copper and Wrought Copper Alloy Solder-Joint Drainage Fittings—DWV 2017.
- E. ASTM A74 Standard Specification for Cast Iron Soil Pipe and Fittings 2021.
- F. ASTM B32 Standard Specification for Solder Metal 2020.
- G. ASTM B306 Standard Specification for Copper Drainage Tube (DWV) 2020.
- H. ASTM B813 Standard Specification for Liquid and Paste Fluxes for Soldering of Copper and Copper Alloy Tube 2016.
- I. ASTM B828 Standard Practice for Making Capillary Joints by Soldering of Copper and Copper Alloy Tube and Fittings 2016.
- J. ASTM C564 Standard Specification for Rubber Gaskets for Cast Iron Soil Pipe and Fittings 2020a.
- K. ASTM C1277 Standard Specification for Shielded Couplings Joining Hubless Cast Iron Soil Pipe and Fittings 2020.
- L. AWWA C651 Disinfecting Water Mains 2014, with Addendum (2020).
- M. CISPI 301 Standard Specification for Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste, and Vent Piping Applications 2021.

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- N. CISPI 310 Specification for Coupling for Use in Connection with Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste, and Vent Piping Applications 2020.
- O. MSS SP-58 Pipe Hangers and Supports Materials, Design, Manufacture, Selection, Application, and Installation 2018, with Amendment (2019).
- P. NSF 61 Drinking Water System Components Health Effects 2022, with Errata.
- Q. NSF 372 Drinking Water System Components Lead Content 2022.
- R. Safe Drinking Water Act, Section 1417 Lead Free: Refers to the wetted surface of pipe, fittings and fixtures in potable water systems that have a weighted average lead content <= 0.25%. Amended January 4, 2011.

## 1.04 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements for submittal procedures.
- B. Product Data: Provide data on pipe materials, pipe fittings, valves, and accessories. Provide manufacturers catalog information. Indicate valve data and ratings.
- C. Project Record Documents: Record actual locations of valves.

# 1.05 QUALITY ASSURANCE

- A. Perform work in accordance with applicable codes.
- B. Valves: Manufacturer's name and pressure rating marked on valve body. Manufacturers lead free marking on valve body.
- C. Perform Work in accordance with City plumbing ordinances.
- D. Perform Work in accordance with Fox Metro Water Reclamation District (Sanitary sewer contractor shall be bonded with Fox Metro).

# 1.06 DELIVERY, STORAGE, AND HANDLING

- A. Accept valves on site in shipping containers with labeling in place. Inspect for damage.
- B. Provide temporary protective coating on cast iron and steel valves.
- C. Provide temporary end caps and closures on piping and fittings. Maintain in place until installation.
- D. Protect piping systems from entry of foreign materials by temporary covers, completing sections of the work, and isolating parts of completed system.

## 1.07 FIELD CONDITIONS

A. Do not install underground piping when bedding is wet or frozen.

#### PART 2 PRODUCTS

### 2.01 GENERAL REQUIREMENTS

A. Potable Water Supply Systems: Provide piping, pipe fittings, and solder and flux (if used), that comply with NSF 61 and NSF 372 for maximum lead content; label pipe and fittings.

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# 2.02 SANITARY WASTE PIPING, ABOVE GRADE

- A. Cast Iron Pipe: ASTM A74, service weight.
  - 1. Fittings: Cast iron.
  - 2. Joint Seals: ASTM C564 neoprene gaskets, or lead and oakum.
- B. Cast Iron Pipe: CISPI 301, hubless, service weight.
  - 1. Fittings: Cast iron.
  - 2. Joints: CISPI 310, neoprene gaskets and stainless steel clamp-and-shield assemblies.
- C. Copper Tube: ASTM B306, DWV.
  - 1. Fittings: ASME B16.29, wrought copper, or ASME B16.23, sovent.
  - 2. Joints: ASTM B32, alloy Sn50 solder.

# 2.03 DOMESTIC WATER PIPING, ABOVE GRADE

- A. Copper Tube: ASTM B88 (ASTM B88M), Type L (B), Drawn (H).
  - 1. Fittings: ASME B16.18, cast copper alloy or ASME B16.22, wrought copper and bronze.
  - 2. Joints: ASTM B32, alloy Sn95 solder for 2" and under.
  - 3. Joints: AWS A5.8M/A5.8, BCuP copper/silver braze for 2-1/2" and over.
  - 4. Mechanical Press Sealed Fittings: Double pressed type, NSF 61 approved or certified, utilizing EPDM, non toxic synthetic rubber sealing elements. Sealing elements shall be factory installed by fitting manufacturer. Press ends shall have means to indicate non-pressed fitting during pressure testing.
    - a. Manufacturers:
      - 1) Viega LLC.
      - 2) Nibco.

# 2.04 PIPE FLANGES, UNIONS, AND COUPLINGS

- A. Unions for Pipe Sizes 3 inch and Under:
  - 1. Ferrous Pipe: Class 150 malleable iron threaded unions.
  - 2. Copper Tube and Pipe: Class 150 bronze unions with soldered joints.
- B. Flanges for Pipe Sizes Over 1 inch:
  - 1. Ferrous Pipe: Class 150 malleable iron threaded or forged steel slip-on flanges; preformed neoprene gaskets.
  - 2. Copper Tube and Pipe: Class 150 slip-on bronze flanges; preformed neoprene gaskets.
- C. No-Hub Couplings:
  - 1. Testing: In accordance with ASTM C1277 and CISPI 310.
  - 2. Gasket Material: Neoprene complying with ASTM C564.
  - 3. Band Material: Stainless steel.
  - 4. Eyelet Material: Stainless steel.
- D. Dielectric Connections: Union with galvanized or plated steel threaded end, copper solder end, water impervious isolation barrier.

#### 2.05 PIPE HANGERS AND SUPPORTS

A. Provide hangers and supports that comply with MSS SP-58.

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- 1. If type of hanger or support for a particular situation is not indicated, select appropriate type using MSS SP-58 recommendations.
- 2. Overhead Supports: Individual steel rod hangers attached to structure or to trapeze hangers.
- 3. Trapeze Hangers: Welded steel channel frames attached to structure.
- 4. Vertical Pipe Support: Steel riser clamp.
- B. Plumbing Piping Drain, Waste, and Vent:
  - 1. Hangers for Pipe Sizes 1/2 to 1-1/2 inch: Malleable iron, adjustable swivel, split ring.
  - 2. Hangers for Pipe Sizes 2 inch and Over: Carbon steel, adjustable, clevis.
  - 3. Wall Support for Pipe Sizes to 3 inch: Cast iron hook.
  - 4. Wall Support for Pipe Sizes 4 inch and Over: Welded steel bracket and wrought steel clamp.
  - 5. Copper Pipe Support: Carbon steel ring, adjustable, copper plated.
- C. Plumbing Piping Water:
  - 1. Hangers for Pipe Sizes 1/2 to 1-1/2 inch: Malleable iron, adjustable swivel, split ring.
  - 2. Hangers for Cold Pipe Sizes 2 inch and Over: Carbon steel, adjustable, clevis.
  - 3. Wall Support for Pipe Sizes Up to 3 inch: Cast iron hook.
  - 4. Copper Pipe Support: Carbon steel ring, adjustable, copper plated.
  - 5. Strut mounted pipe shall have clamps with insert for pipe support to allow for continuous insulation at clamp. Manufacturer; Klo-Shure insulation couplings

## 2.06 BALL VALVES

- A. Manufacturers:
  - 1. Apollo Valves.
  - 2. Grinnell Products: www.grinnell.com/#sle.
  - 3. Nibco. Inc: T/S-585-66-LF.
  - 4. Watts.
  - 5. Milwaukee Valve Company.
- B. Construction, 4 Inches and Smaller: MSS SP-110, Class 150, 400 psi CWP, bronze body, 304 stainless steel ball, regular port, teflon seats and stuffing box ring, blow-out proof stem, lever handle with balancing stops, solder, threaded, or grooved ends.

### 2.07 PIPING SPECIALTIES

- A. Thermostatic Flow Controls:
  - 1. Manufacturers:
    - a. ThermOmegaTech; Circuit Solver, Model CS-1/2-115
    - b. Substitutions: See Section 01 60 00 Product Requirements.
  - 2. Flow control assembly with self-acting thermostatic recirculation valve which automatically and continuously maintains potable hot water supply at the specified water temperature. As the water temperature increases the valve shall proportionally close dynamically adjusting flow regardless of system operating pressure.
  - 3. Construction: Major components constructed of type 303 SS, all lead free components, thermal actuator shall be spring loaded and self-cleaning. Rated to 200 psig maximum working pressure and 250 degrees F maximum working temperature.
  - 4. Components: Assembly consisting of thermal actuator, check valve, and isolation ball valves on both ends.

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 PLUMBING PIPING

# PART 3 EXECUTION

#### 3.01 EXAMINATION

A. Verify that excavations are to required grade, dry, and not over-excavated.

## 3.02 PREPARATION

- A. Ream pipe and tube ends. Remove burrs. Bevel plain end ferrous pipe.
- B. Remove scale and dirt, on inside and outside, before assembly.
- C. Prepare piping connections to equipment with flanges or unions.
- D. Review millwork shop drawings. Confirm location and size of fixtures and openings before roughin and installation.

## 3.03 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Provide non-conducting dielectric connections wherever jointing dissimilar metals.
- C. Route piping in orderly manner and maintain gradient. Route parallel and perpendicular to walls.
- D. Install piping to maintain headroom, conserve space, and not interfere with use of space.
- E. Group piping whenever practical at common elevations.
- F. Install piping to allow for expansion and contraction without stressing pipe, joints, or connected equipment.
- G. Provide clearance in hangers and from structure and other equipment for installation of insulation and access to valves and fittings.
- H. Provide access where valves and fittings are not exposed.
- I. Install vent piping penetrating roofed areas to maintain integrity of roof assembly.
- J. Prepare exposed, unfinished pipe, fittings, supports, and accessories for finish painting.
- K. Install bell and spigot pipe with bell end upstream.
- L. Install valves with stems upright or horizontal, not inverted. See Section 22 05 23.
- M. Copper Pipe and Tube: Make soldered joints in accordance with ASTM B828, using specified solder, and flux meeting ASTM B813; in potable water systems use flux also complying with NSF 61 and NSF 372.
- N. Sleeve pipes passing through partitions, walls, and floors.
- O. Pipe Hangers and Supports:
  - 1. Support horizontal piping as indicated.
  - 2. Install hangers to provide minimum 1/2 inch space between finished covering and adjacent work
  - 3. Place hangers within 12 inches of each horizontal elbow.

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- 4. Use hangers with 1-1/2 inch minimum vertical adjustment. Design hangers for pipe movement without disengagement of supported pipe.
- 5. Where several pipes can be installed in parallel and at same elevation, provide multiple or trapeze hangers.
- 6. Provide copper plated hangers and supports for copper piping.
- 7. Prime coat exposed steel hangers and supports. Hangers and supports located in crawl spaces, pipe shafts, and suspended ceiling spaces are not considered exposed.
- 8. Support cast iron drainage piping at every joint.

## 3.04 APPLICATION

- A. Use grooved mechanical couplings and fasteners only in accessible locations.
- B. Install ball valves for shut-off and to isolate equipment, part of systems, or vertical risers.
- C. Provide flow controls in water recirculating systems where indicated.

## 3.05 TOLERANCES

- A. Drainage Piping: Establish invert elevations within 1/2 inch vertically of location indicated and slope to drain at minimum of 1/8 inch per foot slope.
- B. Water Piping: Slope at minimum of 1/32 inch per foot and arrange to drain at low points.

## 3.06 DISINFECTION OF DOMESTIC WATER PIPING SYSTEM

- A. Prior to starting work, verify system is complete, flushed, and clean.
- B. Ensure acidity (pH) of water to be treated is between 7.4 and 7.6 by adding alkali (caustic soda or soda ash) or acid (hydrochloric).
- C. Inject disinfectant, free chlorine in liquid, powder, tablet, or gas form throughout system to obtain 50 to 80 mg/L residual.
- D. Bleed water from outlets to ensure distribution and test for disinfectant residual at minimum 15 percent of outlets.
- E. Maintain disinfectant in system for 24 hours.
- F. If final disinfectant residual tests less than 25 mg/L, repeat treatment.
- G. Flush disinfectant from system until residual equal to that of incoming water or 1.0 mg/L.
- H. Take samples no sooner than 24 hours after flushing, from 10 percent of outlets and from water entry, and analyze in accordance with AWWA C651.

# 3.07 SCHEDULES

- A. Pipe Hanger Spacing:
  - 1. Metal Piping:
    - a. Pipe Size: 1/2 inch to 1-1/4 inch:
      - 1) Maximum Hanger Spacing: 6.5 ft.
      - 2) Hanger Rod Diameter: 3/8 inches.
    - b. Pipe Size: 1-1/2 inch to 2 inch:
      - 1) Maximum Hanger Spacing: 10 ft.

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- 2) Hanger Rod Diameter: 3/8 inch.
- c. Pipe Size: 2-1/2 inch to 3 inch:
  - 1) Maximum Hanger Spacing: 10 ft.
  - 2) Hanger Rod Diameter: 1/2 inch.
- d. Pipe Size: 4 inch to 6 inch:
  - 1) Maximum Hanger Spacing: 10 ft.
  - 2) Hanger Rod Diameter: 5/8 inch.

# **END OF SECTION**

# SECTION 22 10 06 PLUMBING PIPING SPECIALTIES

# PART 1 GENERAL

## 1.01 SECTION INCLUDES

- A. Drains.
- B. Cleanouts.
- C. Refrigerator valve and recessed box.
- D. Water hammer arrestors.
- E. Air vents.

## 1.02 RELATED REQUIREMENTS

- A. Section 22 10 05 Plumbing Piping.
- B. Section 22 40 00 Plumbing Fixtures.

## 1.03 REFERENCE STANDARDS

- A. ASME A112.6.3 Floor and Trench Drains 2019.
- B. ASSE 1012 Performance Requirements for Backflow Preventers with an Intermediate Atmospheric Vent 2021.
- C. ASSE 1013 Performance Requirements for Reduced Pressure Principle Backflow Prevention Assemblies 2021.
- D. ASSE 1019 Performance Requirements for Wall Hydrant with Backflow Protection and Freeze Resistance 2011 (Reaffirmed 2016).
- E. NSF 61 Drinking Water System Components Health Effects 2022, with Errata.
- F. NSF 372 Drinking Water System Components Lead Content 2022.
- G. PDI-WH 201 Water Hammer Arresters 2017.

## 1.04 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements for submittal procedures.
- B. Product Data: Provide component sizes, rough-in requirements, service sizes, and finishes.
- C. Maintenance Data: Include installation instructions, spare parts lists, exploded assembly views.
- D. Project Record Documents: Record actual locations of equipment, cleanouts, backflow preventers, water hammer arrestors.

## 1.05 DELIVERY, STORAGE, AND HANDLING

A. Accept specialties on site in original factory packaging. Inspect for damage.

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## PART 2 PRODUCTS

# 2.01 GENERAL REQUIREMENTS

A. Specialties in Potable Water Supply Systems: Provide products that comply with NSF 61 and NSF 372 for maximum lead content.

## 2.02 DRAINS

- A. Manufacturers:
  - 1. Jay R. Smith Manufacturing Company.
  - 2. Zurn Industries, Inc.
  - 3. MIFAB.
- B. Floor Drain (FD-1):
  - 1. ASME A112.6.3; lacquered cast iron two piece body with double drainage flange, weep holes, reversible clamping collar, and 6 inch round, adjustable stainless steel strainer.
  - 2. J.R. Smith Model 2005-A06SS

## 2.03 CLEANOUTS

- A. Manufacturers:
  - 1. Jay R. Smith Manufacturing Company.
  - 2. Zurn Industries, Inc.
  - MIFAB.
- B. Cleanouts at Interior Finished Floor Areas FCO:
  - Lacquered cast iron body with anchor flange, threaded scoriated secured stainless steel top, and ABS gasketed plug.
  - 2. J.R. Smith Model 4020-SS.
- C. Cleanouts at Interior Finished Wall Areas:
  - 1. Line type with lacquered cast iron body and round taper threaded bronze plug, and round stainless steel access cover secured with machine screw.
  - J.R. Smith Model 4422.
- D. Cleanouts at Interior Unfinished Accessible Areas: Calked or threaded type. Provide bolted stack cleanouts on vertical rainwater leaders.
  - 1. J.R. Smith Model 4510.

# 2.04 REFRIGERATOR VALVE AND RECESSED BOX (IB)

- A. Box Manufacturers:
  - 1. IPS Corporation/Guy Gray; Model MIB.
  - 2. Oatey Supply Chain Services, Inc; Model 39141.
- B. Description: Recessed 18 gauge metal box and faceplate, white powder coated with chrome plated quarter-turn valve.

# 2.05 WATER HAMMER ARRESTORS

- A. Manufacturers:
  - 1. Jay R. Smith Manufacturing Company.

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- 2. Oatey; Model Quiet Pipes.
- 3. Watts Regulator Company.
- 4. MIFAB.
- B. Water Hammer Arrestors:
  - Copper construction, piston type sized in accordance with PDI-WH 201, precharged suitable for operation in temperature range minus 100 to 300 degrees F and maximum 250 psi working pressure.
  - 2. J.R. Smith; Model 5000 Series.

#### 2.06 AIR VENTS

- A. Manufacturers:
  - 1. ITT Bell & Gossett.
  - 2. Taco, Inc.
  - 3. Watts Regulator Company.
- B. Manual Type: Short vertical sections of 2 inch diameter pipe to form air chamber, with 1/8 inch brass needle valve at top of chamber.
- C. Float Type:
  - Brass or semi-steel body, copper, polypropylene, or solid non-metallic float, stainless steel
    valve and valve seat; suitable for system operating temperature and pressure; with isolating
    valve.
  - 2. Cast iron body and cover, float, bronze pilot valve mechanism suitable for system operating temperature and pressure; with isolating valve.

## PART 3 EXECUTION

## 3.01 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Extend cleanouts to finished floor or wall surface. Lubricate threaded cleanout plugs with mixture of graphite and linseed oil. Ensure clearance at cleanout for rodding of drainage system.
- C. Install floor cleanouts at elevation to accommodate finished floor.
- D. Install water hammer arrestors complete with accessible isolation valve on hot and cold water supply piping to plumbing fixtures.

# **END OF SECTION**

# SECTION 22 40 00 PLUMBING FIXTURES

# PART 1 GENERAL

## 1.01 SECTION INCLUDES

- A. Flush valve water closets.
- B. Lavatories.
- C. Sinks.

## 1.02 RELATED REQUIREMENTS

- A. Section 22 10 05 Plumbing Piping.
- B. Section 22 10 06 Plumbing Piping Specialties.

## 1.03 REFERENCE STANDARDS

- A. ASME A112.6.1M Floor-Affixed Supports for Off-the-Floor Plumbing Fixtures for Public Use 1997 (Reaffirmed 2017).
- B. ASME A112.19.2 Ceramic Plumbing Fixtures 2018, with Errata.
- C. ASME A112.19.5 Flush Valves and Spuds for Water Closets, Urinals, and Tanks 2022.
- D. NSF 61 Drinking Water System Components Health Effects 2022, with Errata.
- E. NSF 372 Drinking Water System Components Lead Content 2022.

## 1.04 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements for submittal procedures.
- B. Product Data: Provide catalog illustrations of fixtures, sizes, rough-in dimensions, utility sizes, trim, and finishes.
- C. Maintenance Data: Include fixture trim exploded view and replacement parts lists.
- D. Warranty: Submit manufacturer warranty and ensure forms have been completed in Owner's name and registered with manufacturer.

# 1.05 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing the type of products specified in this section, with minimum three years of documented experience.

# 1.06 DELIVERY, STORAGE, AND HANDLING

- A. Accept fixtures on site in factory packaging. Inspect for damage.
- B. Protect installed fixtures from damage by securing areas and by leaving factory packaging in place to protect fixtures and prevent use.

### 1.07 WARRANTY

A. See Section 01 78 00 - Closeout Submittals for additional warranty requirements.

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 SECTION 22 40 00

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 PLUMBING FIXTURES

## PART 2 PRODUCTS

## 2.01 GENERAL REQUIREMENTS

- A. Potable Water Systems: Provide plumbing fittings and faucets that comply with NSF 61 and NSF 372 for maximum lead content; label pipe and fittings.
- B. Water Efficiency: EPA WaterSense label is required for all water closets, urinals, lavatory faucets, and showerheads.

## 2.02 REGULATORY REQUIREMENTS

A. Comply with applicable codes for installation of plumbing systems.

# 2.03 FLUSH VALVE WATER CLOSETS (WC-1), ADAAG COMPLIANT

- A. Water Closets:
  - 1. Vitreous china, ASME A112.19.2, wall hung, siphon jet flush action, china bolt caps.
  - 2. Bowl: ASME A112.19.2; 16.5 inches high with elongated rim.
  - 3. Flush Valve: Exposed (top spud).
  - 4. Flush Volume: 1.6 gallon, maximum.
  - 5. Flush Operation: Sensor operated.
  - 6. Handle Height: 11 inches or less.
  - 7. Trapway Outlet: 4 inch.
  - 8. Color: White.
  - 9. Manufacturers:
    - a. Sloan Valve Company; Model ST-2469.
    - b. American Standard, Inc.
    - c. Zurn industries. Inc.
- B. Flush Valves:
  - 1. Valve Supply Size: 1 inch.
  - 2. Valve Outlet Size: 1-1/2 inches.
  - Manufacturers:
    - a. Sloan Valve Company; Model 8111-1.6.
    - b. Zurn Industries. Inc.
    - c. Substitutions: See Section 01 60 00 Product Requirements.
  - 4. Sensor-Operated:
    - a. Type: ASME A112.19.5; chloramine-resistant clog-resistant dual-seat diaphragm valve complete with vacuum breaker, stops and accessories.
    - b. Mechanism: Solenoid-operated piston or electronic motor-actuated operator with battery powered infrared sensor, and mechanical override or override push button.
    - c. Supplied Volume Capacity: 1.6 gal per flush.
  - 5. Exposed Type: Chrome-plated, escutcheon, integral screwdriver stop.
- C. Toilet Seats:
  - 1. Manufacturers:
    - a. Bemis Manufacturing Company; Model 2155SSC.
    - b. Church Seat Company.

- c. Olsonite.
- 2. Plastic: Solid, antimicrobial, white finish, enlongated shape, open front, self-sustaining hinge, and non-corrosive 300 Series stainless steel posts and pintles.

#### D. Water Closet Carriers:

- Manufacturers:
  - a. Jay R. Smith Manufacturing Company; Model 211 Series.
  - b. Zurn Industries, Inc.
  - c. MIFAB.
- 2. ASME A112.6.1M; adjustable cast iron frame, integral drain hub and vent, adjustable spud, lugs for floor and wall attachment, threaded fixture studs with nuts and washers.

# 2.04 LAVATORIES (L-1), ADAAG COMPLIANT

- A. Manufacturers:
  - 1. Sloan Valve Company; Model SS-3106.
  - 2. American Standard, Inc.
  - 3. Zurn industries, Inc.
- B. Wall-Hung Basin:
  - 1. Vitreous China, Grade A: ASME A112.19.2; white rectangular commercial-grade sink, ledgeback with predrilled holes, rear-center drain, and rear overflow. Size 20 by 19 inch with single hole. White vitreous china shroud and mounting hardware.
  - 2. Carrier:
    - a. ASME A112.6.1M; cast iron and steel frame with tubular legs, lugs for floor and wall attachment, threaded studs for fixture hanger, bearing plate and studs.
    - b. Manufacturers:
      - 1) Jay R. Smith MFG. Co; Model 0700.
      - 2) Zurn Industries, LLC.
      - 3) MIFAB.
- C. Sensor Operated Faucet:
  - 1. Cast brass, chrome plated, deck mounted with sensor located on neck of spout.
  - 2. Spout Style: Standard.
  - 3. Power Supply:
    - a. Battery: Replaceable alkaline or lithium type with 200,000 cycles, minimum.
  - 4. Water Supply: 3/8 inch compression connections.
  - 5. Aerator: Vandal resistant, 0.5 gpm, laminar flow device.
  - 6. Automatic Shut-off: 30 seconds.
  - 7. Sensor range: Multiple field-adjustable modes and ranges. Provide handheld programming unit with faucet.
  - 8. Finish: Polished chrome.
  - Manufacturers:
    - a. The Chicago Faucet Company; 116.211.AB.1.
    - b. Substitutions: See Section 01 60 00 Product Requirements.

# D. Lavatory Carrier:

1. Manufacturers:

- a. Jay R. Smith Manufacturing Company.
- b. Zurn Industries, LLC; Z1231.
- c. MIFAB.
- 2. ASME A112.6.1M; cast iron and steel frame with tubular legs, lugs for floor and wall attachment, threaded studs for fixture hanger, bearing plate and studs.

## E. Accessories:

- 1. Chrome-plated 17 gauge, 0.0538 inch brass P-trap and arm with escutcheon.
- 2. Offset waste with perforated open strainer. Dearborn Brass 760W-1
- 3. Thermostatic mixing valve. ASSE 1070 listed, stainless steel screen strainers, and check valves. Watts Series LFUSG-B.
- 4. Wheel handle stops.
- 5. Rigid supplies.
- 6. Lavatory pipe insulation:
  - a. Manufacturer:
    - 1) Plumberex.
    - 2) Brocar.
    - 3) Truebro.
    - 4) Dearborn Safety Series
  - b. Insulation: Fully molded closed cell vinyl or ethylene vinyl acetate foam, fit to lavatory P-trap, tailpiece and angle valve stop assemblies. Vinyl shall be antimicrobial with UV inhibitors and utilize reusable fasteners.

# 2.05 SINK (SK-1), ADAAG COMPLIANT

- A. Manufacturers:
  - 1. Elkay: Model LRAD-172065
  - 2. Just
  - 3. Advance Tabco.
  - 4. Substitutions: See Section 01 60 00 Product Requirements.
- B. Single Compartment Bowl:
  - 1. ASME A112.19.3; 17 x 20 x 6.5 inch outside dimensions, 18 gage thick, Type 304 stainless steel, self rimming and undercoated, with ledge back drilled for trim.
    - a. Drain: 3-1/2 inch basket stainer with brass bucket and tailpiece.

## C. Trim:

- 1. Manufacturers:
  - a. T & S Brass and Bronze Works, Inc.
  - b. Chicago Faucet; Model 201-AL8-317XKABCP.
  - c. Zurn, Industries, Inc.
- 2. ASME A112.18.1; chrome plated brass supply with 8 inch swing spout, ceramic cartridges, vandal proof water economy aerator with maximum 2.2 gpm flow, indexed 4-inch wrist blade handles.
- D. Accessories:
  - 1. Chrome plated 17 gage brass P-trap and arm with escutcheon.
  - 2. Mc Guire-H2167CC Handwheel stops.

3. Rigid supplies.

# PART 3 EXECUTION

### 3.01 EXAMINATION

- A. Verify that walls and floor finishes are prepared and ready for installation of fixtures.
- B. Verify that electric power is available and of the correct characteristics.
- C. Confirm that millwork is constructed with adequate provision for the installation of counter top lavatories and sinks.

## 3.02 PREPARATION

A. Rough-in fixture piping connections in accordance with minimum sizes indicated in fixture rough-in schedule for particular fixtures.

# 3.03 INSTALLATION

- A. Install each fixture with trap, easily removable for servicing and cleaning.
- B. Provide chrome-plated rigid or flexible supplies to fixtures with loose key stops, reducers, and escutcheons.
- C. Install components level and plumb.
- D. Install and secure fixtures in place with wall carriers and bolts.

## 3.04 INTERFACE WITH WORK OF OTHER SECTIONS

A. Review millwork shop drawings. Confirm location and size of fixtures and openings before roughin and installation.

# 3.05 ADJUSTING

A. Adjust stops or valves for intended water flow rate to fixtures without splashing, noise, or overflow.

## 3.06 CLEANING

A. Clean plumbing fixtures and equipment.

### **END OF SECTION**

# SECTION 23 05 53 IDENTIFICATION FOR HVAC PIPING AND EQUIPMENT

## PART 1 GENERAL

## 1.01 SECTION INCLUDES

- A. Nameplates.
- B. Tags.
- C. Ceiling tacks.

## 1.02 REFERENCE STANDARDS

A. ASTM D709 - Standard Specification for Laminated Thermosetting Materials 2017.

#### 1.03 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements for submittal procedures.
- B. Project Record Documents: Record actual locations of tagged valves.

# PART 2 PRODUCTS

#### 2.01 IDENTIFICATION APPLICATIONS

- A. Air Terminal Units: Nameplates
- B. Air Terminal Units: Ceiling tacks, to identify location above ceiling.
- C. Automatic Controls: Tags. Key to control schematic.
- D. Control Panels: Nameplates.

#### 2.02 NAMEPLATES

- A. Manufacturers:
  - 1. Brimar Industries, Inc.
  - 2. Kolbi Pipe Marker Co..
  - 3. Seton Identification Products.
  - 4. Letter Color: White.
  - 5. Letter Height: 1/4 inch.
  - 6. Background Color: Black.
  - 7. Plastic: Comply with ASTM D709.

### 2.03 TAGS

- A. Manufacturers:
  - 1. Brady Corporation.
  - 2. Brimar Industries, Inc.
  - 3. Kolbi Pipe Marker Co..
  - 4. Seton Identification Products.
- B. Plastic Tags: Laminated three-layer plastic with engraved black letters on light contrasting background color. Tag size minimum 1-1/2 inch diameter.

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SECTION 23 05 53

IDENTIFICATION FOR HVAC PIPING AND

**EQUIPMENT** 

## 2.04 CEILING TACKS

A. Description: Steel with 3/4 inch diameter color coded head.

## PART 3 EXECUTION

## 3.01 PREPARATION

- A. Degrease and clean surfaces to receive adhesive for identification materials.
- B. Prepare surfaces in accordance with Section 09 91 23 for stencil painting.

# 3.02 INSTALLATION

- A. Install nameplates with corrosive-resistant mechanical fasteners, or adhesive. Apply with sufficient adhesive to ensure permanent adhesion and seal with clear lacquer.
- B. Install tags with corrosion resistant chain.
- C. Install plastic pipe markers in accordance with manufacturer's instructions.
- D. Install plastic tape pipe markers complete around pipe in accordance with manufacturer's instructions.
- E. Locate ceiling tacks to locate valves or dampers above lay-in panel ceilings. Locate in corner of panel closest to equipment.

## **END OF SECTION**

23 05 53 - 2

# SECTION 23 05 93 TESTING, ADJUSTING, AND BALANCING FOR HVAC

# PART 1 GENERAL

# 1.01 SECTION INCLUDES

- A. Testing, adjustment, and balancing of air systems.
- B. Measurement of final operating condition of HVAC systems.

# 1.02 REFERENCE STANDARDS

- A. AABC (NSTSB) AABC National Standards for Total System Balance, 7th Edition 2016.
- B. ASHRAE Std 110 Methods of Testing Performance of Laboratory Fume Hoods 2016, with Errata.
- C. ASHRAE Std 111 Measurement, Testing, Adjusting, and Balancing of Building HVAC Systems 2008, with Errata (2019).
- D. NEBB (TAB) Procedural Standard for Testing Adjusting and Balancing of Environmental Systems 2019.
- E. SMACNA (TAB) HVAC Systems Testing, Adjusting and Balancing 2002.

## 1.03 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements, for submittal procedures.
- B. Final Report: Indicate deficiencies in systems that would prevent proper testing, adjusting, and balancing of systems and equipment to achieve specified performance.
  - 1. Submit draft copies of report for review prior to final acceptance of Project. Provide final copies for Architect/Engineer and for inclusion in operating and maintenance manuals.
  - 2. Include actual instrument list, with manufacturer name, serial number, and date of calibration.
  - 3. Form of Test Reports: Where the TAB standard being followed recommends a report format use that; otherwise, follow ASHRAE Std 111.
  - 4. Units of Measure: Report data in both I-P (inch-pound) and SI (metric) units.
  - 5. Include the following on the title page of each report:
    - a. Name of Testing, Adjusting, and Balancing Agency.
    - b. Address of Testing, Adjusting, and Balancing Agency.
    - c. Telephone number of Testing, Adjusting, and Balancing Agency.
    - d. Project name.
    - e. Project location.
    - f. Project Architect/Engineer.
    - g. Project Contractor.
    - h. Report date.
- C. Project Record Documents: Record actual locations of balancing valves and rough setting.

**HVAC** 

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## PART 2 PRODUCTS - NOT USED

## PART 3 EXECUTION

### 3.01 GENERAL REQUIREMENTS

- A. Perform total system balance in accordance with one of the following:
  - 1. AABC (NSTSB), AABC National Standards for Total System Balance.
  - 2. ASHRAE Std 111, Practices for Measurement, Testing, Adjusting and Balancing of Building Heating, Ventilation, Air-Conditioning, and Refrigeration Systems.
  - 3. NEBB Procedural Standards for Testing Adjusting Balancing of Environmental Systems.
  - 4. SMACNA (TAB).
- B. Begin work after completion of systems to be tested, adjusted, or balanced and complete work prior to Substantial Completion of the project.
- C. Where HVAC systems and/or components interface with life safety systems, including fire and smoke detection, alarm, and control, coordinate scheduling and testing and inspection procedures with the authorities having jurisdiction.
- D. TAB Agency Qualifications:
  - 1. Company specializing in the testing, adjusting, and balancing of systems specified in this section.
  - 2. Having minimum of three years documented experience.
  - 3. Certified by one of the following:
    - a. AABC, Associated Air Balance Council: www.aabc.com/#sle; upon completion submit AABC National Performance Guaranty.
    - b. NEBB, National Environmental Balancing Bureau: www.nebb.org/#sle.
    - c. TABB, The Testing, Adjusting, and Balancing Bureau of National Energy Management Institute: www.tabbcertified.org/#sle.
- E. TAB Supervisor Qualifications: Certified by same organization as TAB agency.

#### 3.02 EXAMINATION

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- A. Verify that systems are complete and operable before commencing work. Ensure the following conditions:
  - 1. Systems are started and operating in a safe and normal condition.
  - 2. Temperature control systems are installed complete and operable.
  - 3. Proper thermal overload protection is in place for electrical equipment.
  - 4. Final filters are clean and in place. If required, install temporary media in addition to final filters.
  - 5. Duct systems are clean of debris.
  - 6. Fans are rotating correctly.
  - 7. Fire and volume dampers are in place and open.
  - 8. Air coil fins are cleaned and combed.
  - 9. Access doors are closed and duct end caps are in place.
  - 10. Air outlets are installed and connected.
  - 11. Duct system leakage is minimized.
- B. Submit field reports. Report defects and deficiencies that will or could prevent proper system balance.

**SECTION 23 05 93** 

23 05 93 - 2

TESTING, ADJUSTING, AND BALANCING FOR

C. Beginning of work means acceptance of existing conditions.

## 3.03 ADJUSTMENT TOLERANCES

- A. Air Handling Systems: Adjust to within plus or minus 5 percent of design for supply systems and plus or minus 10 percent of design for return and exhaust systems.
- B. Air Outlets and Inlets: Adjust total to within plus 10 percent and minus 5 percent of design to space. Adjust outlets and inlets in space to within plus or minus 10 percent of design.

## 3.04 RECORDING AND ADJUSTING

- A. Ensure recorded data represents actual measured or observed conditions.
- B. Permanently mark settings of valves, dampers, and other adjustment devices allowing settings to be restored. Set and lock memory stops.
- C. Mark on drawings the locations where traverse and other critical measurements were taken and cross reference the location in the final report.
- D. After adjustment, take measurements to verify balance has not been disrupted or that such disruption has been rectified.
- E. Leave systems in proper working order, replacing belt guards, closing access doors, closing doors to electrical switch boxes, and restoring thermostats to specified settings.

## 3.05 AIR SYSTEM PROCEDURE

- A. Adjust air handling and distribution systems to provide required or design supply, return, and exhaust air quantities at site altitude.
- B. Make air quantity measurements in ducts by Pitot tube traverse of entire cross sectional area of duct.
- C. Measure air quantities at air inlets and outlets.
- D. Adjust distribution system to obtain uniform space temperatures free from objectionable drafts and noise.
- E. Use volume control devices to regulate air quantities only to extend that adjustments do not create objectionable air motion or sound levels. Effect volume control by duct internal devices such as dampers and splitters.
- F. Vary total system air quantities by adjustment of fan speeds. Provide drive changes required. Vary branch air quantities by damper regulation.
- G. Measure static air pressure conditions on air supply units, including filter and coil pressure drops, and total pressure across the fan. Make allowances for 50 percent loading of filters.
- H. Measure temperature conditions across outside air, return air, and exhaust dampers to check leakage.
- I. Where modulating dampers are provided, take measurements and balance at extreme conditions. Balance variable volume systems at maximum air flow rate, full cooling, and at minimum air flow rate, full heating.

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- J. Measure building static pressure and adjust supply, return, and exhaust air systems to provide required relationship between each to maintain approximately 0.05 inches positive static pressure near the building entries.
- K. For variable air volume system powered units set volume controller to air flow setting indicated. Confirm connections properly made and confirm proper operation for automatic variable air volume temperature control.

# 3.06 SCOPE

- A. Test, adjust, and balance the following:
  - 1. Fans.
  - 2. Air Terminal Units.
  - 3. Air Inlets and Outlets.

**END OF SECTION** 

23 05 93 - 4

# **SECTION 23 07 13 DUCT INSULATION**

## PART 1 GENERAL

## 1.01 SECTION INCLUDES

- A. Duct insulation.
- B. Duct liner.

## 1.02 REFERENCE STANDARDS

- A. ASTM C411 Standard Test Method for Hot-Surface Performance of High-Temperature Thermal Insulation.
- B. ASTM C518 Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus 2021.
- C. ASTM C553 Standard Specification for Mineral Fiber Blanket Thermal Insulation for Commercial and Industrial Applications 2013 (Reapproved 2019).
- D. ASTM C916 Standard Specification for Adhesives for Duct Thermal Insulation 2020.
- E. ASTM C1071 Standard Specification for Fibrous Glass Duct Lining Insulation (Thermal and Sound Absorbing Material) 2019.
- F. ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials 2023.
- G. ASTM E96/E96M Standard Test Methods for Gravimetric Determination of Water Vapor Transmission Rate of Materials 2022a, with Editorial Revision (2023).
- H. ASTM G21 Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi 2015, with Editorial Revision (2021).
- I. UL 723 Standard for Test for Surface Burning Characteristics of Building Materials Current Edition, Including All Revisions.

# 1.03 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements for submittal procedures.
- B. Product Data: Provide product description, thermal characteristics, list of materials and thickness for each service, and locations.
- C. Manufacturer's Instructions: Indicate installation procedures necessary to ensure acceptable workmanship and that installation standards will be achieved.

## 1.04 QUALITY ASSURANCE

A. Applicator Qualifications: Company specializing in performing the type of work specified in this section, with minimum three years of experience and approved by manufacturer.

## 1.05 DELIVERY, STORAGE, AND HANDLING

A. Accept materials on site in original factory packaging, labelled with manufacturer's identification, including product density and thickness.

Project No. 23-471-1466 **SECTION 23 07 13** 23 07 13 - 1 **DUCT INSULATION**  B. Protect insulation from weather and construction traffic, dirt, water, chemical, and mechanical damage, by storing in original wrapping.

# 1.06 FIELD CONDITIONS

- A. Maintain ambient temperatures and conditions required by manufacturers of adhesives, mastics, and insulation cements.
- B. Maintain temperature during and after installation for minimum period of 24 hours.

# PART 2 PRODUCTS

#### 2.01 REGULATORY REQUIREMENTS

- A. Surface Burning Characteristics: Flame spread index/Smoke developed index of 25/50, maximum, when tested in accordance with ASTM E84, UL 723, ASTM E84, or UL 723.
- B. Insulation minimum thickness shall meet or exceed requirements as listed in International Energy Conservation Code, 2018.

# 2.02 GLASS FIBER, FLEXIBLE

- A. Manufacturers:
  - 1. CertainTeed Corporation.
  - 2. Johns Manville Corporation.
  - 3. Knauf Insulation.
  - 4. Owens Corning Corp.
- B. Insulation: ASTM C553; flexible, noncombustible blanket.
  - 1. K value: 0.25 at 75 degrees F, when tested in accordance with ASTM C518.
  - 2. Maximum Service Temperature: 450 degrees F.
  - 3. Maximum Water Vapor Absorption: 5.0 percent by weight.
- C. Vapor Barrier Jacket:
  - 1. Kraft paper with glass fiber yarn and bonded to aluminized film.
  - 2. Moisture Vapor Permeability: 0.02 perm inch, when tested in accordance with ASTM E96/E96M.
  - 3. Secure with pressure-sensitive tape.
- D. Vapor Barrier Tape:
  - 1. Kraft paper reinforced with glass fiber yarn and bonded to aluminized film, with pressuresensitive rubber-based adhesive.
- E. Tie Wire: Annealed steel, 16 gauge, 0.0508 inch diameter.

#### 2.03 DUCT LINER

- A. Manufacturers:
  - 1. CertainTeed Corporation.
  - 2. Johns Manville Corporation.
  - 3. Knauf Insulation.
  - 4. Owens Corning Corporation.

**SECTION 23 07 13** Project No. 23-471-1466 23 07 13 - 2 **DUCT INSULATION** 

- B. Glass Fiber Insulation: Non-corrosive, incombustible glass fiber complying with ASTM C1071; flexible blanket, rigid board, and preformed round liner board; impregnated surface and edges coated with poly vinyl acetate polymer, acrylic polymer, or black composite.
  - 1. Fungal Resistance: No growth when tested according to ASTM G21.
  - 2. Apparent Thermal Conductivity: Maximum of 0.31 at 75 degrees F.
  - 3. Service Temperature: Up to 250 degrees F.
  - 4. Rated Velocity on Coated Air Side for Air Erosion: 5,000 fpm, minimum.
  - 5. Minimum Noise Reduction Coefficients:
    - a. 1/2 inch Thickness: 0.30. b. 1 inch Thickness: 0.45.
- C. Adhesive: Waterproof, fire-retardant type, ASTM C916.
- D. Liner Fasteners: Galvanized steel, self-adhesive pad with integral head.

## PART 3 EXECUTION

# 3.01 EXAMINATION

- A. Test ductwork for design pressure prior to applying insulation materials.
- B. Verify that surfaces are clean, foreign material removed, and dry.

# 3.02 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Install in accordance with NAIMA National Insulation Standards.
- C. Insulated Ducts Conveying Air Below Ambient Temperature:
  - 1. Provide insulation with vapor barrier jackets.
  - 2. Finish with tape and vapor barrier jacket.
  - 3. Continue insulation through walls, sleeves, hangers, and other duct penetrations.
  - 4. Insulate entire system, including fittings, joints, flanges, fire dampers, flexible connections, and expansion joints.
- D. Insulated Ducts Conveying Air Above Ambient Temperature:
  - 1. Insulate fittings and joints. Where service access is required, bevel and seal ends of insulation.
- E. External Duct Insulation Application:
  - 1. Secure insulation with vapor barrier with wires and seal jacket joints with vapor barrier adhesive or tape to match jacket.
  - 2. Secure insulation without vapor barrier with staples, tape, or wires.
  - 3. Install without sag on underside of duct. Use adhesive or mechanical fasteners where necessary to prevent sagging. Lift duct off trapeze hangers and insert spacers.
  - 4. Seal vapor barrier penetrations by mechanical fasteners with vapor barrier adhesive.
  - 5. Stop and point insulation around access doors and damper operators to allow operation without disturbing wrapping.
- F. Duct Liner Application:
  - 1. Adhere insulation with adhesive for 90 percent coverage.
  - 2. Secure insulation with mechanical liner fasteners. Refer to SMACNA (DCS) for spacing.
  - 3. Seal and smooth joints. Seal and coat transverse joints.

Project No. 23-471-1466 **SECTION 23 07 13** 23 07 13 - 3 **DUCT INSULATION** 

- 4. Seal liner surface penetrations with adhesive.
- 5. Duct dimensions indicated are net inside dimensions required for air-flow. Increase duct size to allow for insulation thickness.

# 3.03 SCHEDULES

- A. Exhaust Ducts Within 10 ft of Exterior Openings:
  - 1. Flexible Glass Fiber Duct Insulation: 2 inches thick.
- B. Supply Ducts:
  - 1. Flexible Glass Fiber Duct Insulation: 2 inches thick.
- C. Return Ducts with sound requirement:
  - 1. Duct Liner: 1/2 inches thick.

**END OF SECTION** 

# SECTION 23 09 13 INSTRUMENTATION AND CONTROL DEVICES FOR HVAC

## PART 1 GENERAL

## 1.01 SECTION INCLUDES

- A. Control panels.
- B. HVAC&R Sensors:
  - 1. Temperature sensors.
  - 2. Static pressure (air pressure) sensors.

# 1.02 RELATED REQUIREMENTS

- A. Section 23 09 23 Direct-Digital Control System for HVAC.
- B. Section 26 05 83 Wiring Connections: Electrical characteristics and wiring connections.

# 1.03 REFERENCE STANDARDS

A. NEMA 250 - Enclosures for Electrical Equipment (1000 Volts Maximum) 2020.

# 1.04 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements for submittal procedures.
- B. Product Data: Provide description and engineering data for each control system component. Include sizing as requested. Provide data for each system component and software module.
- C. Shop Drawings: Indicate complete operating data, system drawings, wiring diagrams, and written detailed operational description of sequences. Submit schedule of valves indicating size, flow, and pressure drop for each valve. For automatic dampers indicate arrangement, velocities, and static pressure drops for each system.
- D. Operation and Maintenance Data: Include inspection period, cleaning methods, recommended cleaning materials, and calibration tolerances.
- E. Project Record Documents: Record actual locations of control components, including panels, thermostats, and sensors. Accurately record actual location of control components, including panels, thermostats, and sensors.

# 1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the Products specified in this section with minimum three years documented experience.
- B. Installer Qualifications: Company specializing in performing the work of this section with minimum three years experience approved by manufacturer.
- C. Products Requiring Electrical Connection: Listed and classified by Underwriters Laboratories Inc., as suitable for the purpose specified and indicated.

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# 1.06 WARRANTY

A. See Section 01 78 00 - Closeout Submittals for additional warranty requirements.

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INSTRUMENTATION AND CONTROL DEVICES

FOR HVAC

# PART 2 PRODUCTS

# 2.01 EQUIPMENT - GENERAL

A. Products Requiring Electrical Connection: Listed and classified by Underwriters Laboratories Inc., as suitable for the purpose specified and indicated.

# 2.02 CONTROL PANELS

- A. Unitized cabinet type for each system under automatic control with relays and controls mounted in cabinet and temperature indicators, pressure gauges, pilot lights, push buttons and switches flush on cabinet panel face.
- B. NEMA 250, general purpose utility enclosures with enameled finished face panel.
- C. Provide common keying for all panels.

# 2.03 HVAC&R SENSORS

- A. Temperature Sensors:
  - Use thermistor or RTD type temperature sensing elements with characteristics resistant to moisture, vibration, and other conditions consistent with the application without affecting accuracy and life expectancy.
  - 2. Construct RTD of nickel or platinum with base resistance of 1000 ohms at 70 degrees F.
  - 3. 100 ohm platinum RTD is acceptable if used with project DDC controllers.
  - 4. Temperature Sensing Device: Compatible with project DDC controllers.
  - Performance Characteristics:
    - a. RTD:
      - 1) Duct Averaging Accuracy: Plus/minus 0.50 degrees F minimum.
      - 2) All Other Accuracy: Plus/minus 0.75 degrees F minimum.
      - 3) Range: Minus 40 degrees F through 220 degrees F minimum.
    - b. Thermistor:
      - 1) Accuracy (All): Plus/minus 0.36 degrees F minimum.
      - 2) Range: Minus 25 degrees F through 122 degrees F minimum.
      - 3) Heat Dissipation Constant: 2.7 mW per degree C.
    - c. Temperature Transmitter:
      - 1) Accuracy: 0.10 degree F minimum or plus/minus 0.20 percent of span.
      - 2) Output: 4 to 20 mA.
    - d. Sensing Range:
      - 1) Provide limited range sensors if required to sense the range expected for a respective point.
      - Use RTD type sensors for extended ranges beyond minus 30 to 230 degrees F.
      - 3) Use temperature transmitters in conjunction with RTD's when RTD's are incompatible with DDC controller direct temperature input.
    - e. Wire Resistance:

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- Use appropriate wire size to limit temperature offset due to wire resistance to 1.0 degree
  F or use temperature transmitter when offset is greater than 1.0 degree F due to wire
  resistance.
- 2) Compensate for wire resistance in software input definition when feature is available in the DDC controller.

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- f. Room Temperature Sensors:
  - 1) Construct for wall box mounting.
  - 2) Provide the following:
    - a) Stainless steel flat plate matching existing.
- g. Insertion Elements:
  - 1) Use in ducts not affected by temperature stratification or smaller than 11 sq inches.
- B. Static Pressure (Air Pressure) Sensors:
  - 1. Unidirectional with ranges not exceeding 150 percent of maximum expected input.
  - 2. Temperature compensate with typical thermal error or 0.06 percent of full scale in temperature range of 40 to 100 degrees F.
  - 3. Accuracy: One percent of full scale with repeatability 0.3 percent.
  - 4. Output: 0 to 5 vdc with power at 12 to 28 vdc.

# PART 3 EXECUTION

#### 3.01 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify that systems are ready to receive work.
- C. Beginning of installation means installer accepts existing conditions.
- D. Sequence work to ensure installation of components is complementary to installation of similar components in other systems.
- E. Coordinate installation of system components with installation of mechanical systems equipment such as air handling units and air terminal units.

# 3.02 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Mount control panels adjacent to associated equipment on vibration free walls or free standing angle iron supports. One cabinet may accommodate more than one system in same equipment room. Provide engraved plastic nameplates for instruments and controls inside cabinet and engraved plastic nameplates on cabinet face.
- C. Provide conduit and electrical wiring in accordance with Section 26 05 83. Electrical material and installation shall be in accordance with appropriate requirements.

# **END OF SECTION**

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# SECTION 23 09 23 DIRECT-DIGITAL CONTROL SYSTEM TRIDIUM JCI FX

## PART 1 GENERAL

## 1.01 SECTION INCLUDES

- A. System description.
- B. Controllers.
- C. Power supplies and line filtering.
- D. System software.
- E. Controller software.
- F. HVAC control programs.

# 1.02 RELATED REQUIREMENTS

A. Section 23 09 13 - Instrumentation and Control Devices for HVAC.

## 1.03 REFERENCE STANDARDS

- A. ASHRAE Std 135 A Data Communication Protocol for Building Automation and Control Networks 2020, with Errata and Amendments (2022).
- B. NFPA 70 National Electrical Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

# 1.04 ADMINISTRATIVE REQUIREMENTS

- A. Expand building control system to interface with new equipment and perform the sequence of operation specified. Modify automation system graphics to delete removed equipment and add new equipment.
- B. Provide a color graphical representation of all systems. The graphical display shall include all points indicated in the pints list and any others required to achieve the sequences of operation. The graphical user interface shall consist of the following as a minimum;
  - 1. Menu bar navigation via windows-like bars.
  - 2. Navigation will also be available via an image of the building profile from which the user clicks on floors to bring up individual floor plans.
  - 3. The individual floor plan zones shall change color based upon the difference between the actual zone temperature and zone set point so that the operator can tell at a glance if zones are in, above or below acceptable ranges. A minimum of five (5) colors are required: Color 1 = within acceptable range of set point, Color 2 = warning zone is above acceptable range of set point and approaching high temperature alarm; Color 3 = zone is in high temperature alarm; Color 4 = warning zone is below acceptable range of set point and approaching low temperature alarm; Color 5 = zone is in low temperature alarm.
  - 4. Clicking on a floor plan zone shall bring up a dynamic color graphic of the mechanical equipment that serves that zone.
  - 5. Each major piece of mechanical equipment (terminal unit, AHU, boiler, chillers, cooling towers, etc.) shall have a pictorial dynamic color graphic. The central plant equipment may be

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- combined as appropriate on one or more graphic page.
- 6. Text-based (non-pictorial) summary screens will also be provided so that the operator may view critical information on multiple units at once. Summary screens will be provided for terminal units and air handling units. Summary screens for VAV/FPVAV boxes will contain as a minimum room temperature, room temperature set point, occ/unocc status and CFM for each box. Summary screens for AHUs will contain as a minimum space temperature (CV units) or discharge temperature (VAV units) and the corresponding set point, static pressure (VAV units), OA damper position, mixed air temperature, fan status and occ/unocc status.
- 7. Clicking on a unit on any summary screen shall bring up the complete graphic for that unit.
- 8. Outside air temperature shall be displayed on each graphic screen.

# 1.05 OPEN, INTEROPERABLE, INTEGRATED ARCHITECTURES

- A. The intent of this specification is to provide a peer-to-peer networked, stand-alone, distributed control system with the capability to integrate both the ANSI/ASHRAE Standard 135-1995 BACnet and LonWorks technology communication protocols in one open, interoperable system.
- B. The supplied computer software shall employ object-oriented technology (OOT) for representation of all data and control devices within the system. In addition, adherence to industry standards including ANSI/ASHRAE Standard 135-1995, BACnet and LonMark to assure interoperability between all system components is required. For each LonWorks device that does not have LonMark certification, the device supplier must provide a XIF file for the device. For each BACnet device, the device supplier must provide a PICS document showing the installed device = s-compliance level. Minimum compliance is Level 3; with the ability to support data read and write functionality. Physical connection of BACnet devices shall be via Ethernet.
- C. All components and controllers supplied under this contract shall be true peer-to-peer communicating devices. Components or controllers requiring polling by a host to pass data shall not be acceptable.
- D. The supplied system must incorporate the ability to access all data using Java enabled browsers without requiring proprietary operator interface and configuration programs. An Open Database Connectivity (ODBC) or Structured Query Language (SQL) compliant server database is required for all system database parameter storage. This data shall reside on a supplier-installed server for all database access. Systems requiring proprietary database and user interface programs shall not be acceptable.
- E. The installed system shall provide secure password access to all features, functions and data contained in the overall Building Management Control System (BMCS). Secure Socket Layer (SSL) encryption shall be an available option for remote access.
- F. The installed system must be totally scalable to allow for future expansion with the addition of controllers and/or input/output devices. It shall not be necessary to remove equipment supplied under this contract to expand the system.
- G. The failure of any single component or network shall not interrupt the control functions of non-affected devices. A single network failure shall only affect shared communications or shared data; individual application controllers and network controllers shall continue normal operation minus only the data from a remote device from the affected network. Automatic default values for all network transported data shall be provide to allow continued operation until the network is restored.

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- H. The BMCS shall provide support for ODBC or SQL. An embedded database must be an ODBC-compliant database or must provide an ODBC data access mechanism to read and write dated stored within it. A minimum offering would be the documentation of database schemes to allow users to read/write data into other applications using appropriate ODBS syntax.
- I. A hierarchical topology is required to assure reasonable system response times and to manage the flow and sharing of data.
  - 1. Maximum acceptable response time from any alarm occurrence (at the point of origin) to the point of annunciation shall not exceed 5 seconds for network connected user interfaces.
  - 2. Maximum acceptable response time from any alarm occurrence (at the point of origin) to the point of annunciation shall not exceed 60 seconds for remote or dial-up connected user interfaces.

# 1.06 WEB BROWSER CLIENTS

- A. The system shall be capable of supporting an unlimited number of clients using a standard Web browser such as Internet Explorer. Systems requiring additional software (to enable a standard Web browser) to be resident on the client machine, or manufacturer-specific browsers shall not be acceptable.
- B. The Web browser software shall run on any operating system and system configuration that is supported by the Web browser. Systems that require specific machine requirements in terms of processor speed, memory, etc., in order to allow the Web browser to function with the BMCS shall not be acceptable.
- C. The Web browser shall provide the same view of the system, in terms of graphics, schedules, calendars, logs, etc., and provide the same interface methodology as is provided by the Graphical User Interface (GUI). Systems that require different views or that require different means of interacting with objects such as schedules, or logs, shall not be permitted.
- D. The Web browser client shall support at a minimum, the following functions;
  - 1. User log-in identification and password shall be required. If an unauthorized user attempts access, a blank web page shall be displayed. Security using Java authentication and encryption techniques to prevent unauthorized access shall be implemented.
  - Graphical screens developed for the GUI shall be the same screens used for the Web browser client. Any animated graphical objects supported by the GUI shall be supported by the Web browser interface.
  - 3. HTML programming shall not be required to display system graphics or data on a Web page. HTML editing of the Web page shall be allowed if the user desires a specific look or format.
  - 4. Storage of the graphical screens shall be in the Network Area Controller (NAC) without requiring any graphics to be stored on the client machine. Systems that require graphics storage on each client are not acceptable.

#### 1.07 SUBMITTALS

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- A. Product Data: Include manufacturer's technical literature for each control device. Indicate dimensions, capacities, performance characteristics, electrical characteristics, finishes for materials, and installation and startup instructions for each type of product indicated.
  - 1. DDC System Hardware: Bill of materials of equipment indicating quantity, manufacturer, and model number. Include technical data for operator workstation equipment, interface equipment,

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- control units, transducers/transmitters, sensors, actuators, valves, relays/switches, control panels, and operator interface equipment.
- a. Control System Software: Include technical data for operating system software, operator interface, color graphics, and other third-party applications.
- 2. Controlled Systems: Instrumentation list with element name, type of device, manufacturer, model number, and product data. Include written description of sequence of operation including schematic diagram.
- B. Shop Drawings: Detail equipment assemblies and indicate dimensions, weights, loads, required clearances, method of field assembly, components, and location and size of each field connection.
  - 1. Bill of materials of equipment indicating quantity, manufacturer, and model number.
  - 2. Schematic flow diagrams showing fans, pumps, coils, dampers, valves, and control devices.
  - 3. Wiring Diagrams: Power, signal, and control wiring.
  - 4. Details of control panel faces, including controls, instruments, and labeling.
  - 5. Written description of sequence of operation.
  - 6. Schedule of dampers including size, leakage, and flow characteristics.
  - 7. Schedule of valves including flow characteristics.
  - 8. DDC System Hardware:
    - a. Wiring diagrams for control units with termination numbers.
    - b. Schematic diagrams and floor plans for field sensors and control hardware.
    - c. Schematic diagrams for control, communication, and power wiring, showing trunk data conductors and wiring between operator workstation and control unit locations.
  - 9. Control System Software: List of color graphics indicating monitored systems, data (connected and calculated) point addresses, output schedule, and operator notations.
  - 10. Controlled Systems:
    - a. Schematic diagrams of each controlled system with control points labeled and control elements graphically shown, with wiring.
    - b. Scaled drawings showing mounting, routing, and wiring of elements including bases and special construction.
    - c. Written description of sequence of operation including schematic diagram.
    - d. Points list.
- C. Data Communications Protocol Certificates: Certify that each proposed DDC system component complies with ASHRAE 135.
- D. Software and Firmware Operational Documentation: Include the following:
  - 1. Software operating and upgrade manuals.
  - 2. Program Software Backup: On a magnetic media or compact disc, complete with data files and points tables.
  - 3. Device address list.
  - 4. Printout of software application and graphic screens.
  - 5. Software license required by and installed for DDC workstations and control systems.
- E. Software Upgrade Kit: For Owner to use in modifying software to suit future systems revisions or monitoring and control revisions.

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F. Qualification Data: For installer.

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G. Field quality-control test reports: Provide standard commissioning report for all systems.

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- H. Operation and Maintenance Data: For HVAC instrumentation and control system to include in emergency, operation, and maintenance manuals. In addition to items specified in Division 01 Section "Operation and Maintenance Data," include the following:
  - 1. Maintenance instructions and lists of spare parts for each type of control device and compressed-air station.
  - 2. Interconnection wiring diagrams with identified and numbered system components and devices.
  - 3. Keyboard illustrations and step-by-step procedures indexed for each operator function.
  - 4. Inspection period, cleaning methods, cleaning materials recommended, and calibration tolerances.
  - 5. Calibration records and list of set points.
- I. Project Record Documents: Record actual locations of control components, including control units, thermostats, and sensors.
  - 1. Revise shop drawings to reflect actual installation and operating sequences.

#### 1.08 QUALITY ASSURANCE

- A. Installer Qualifications: Automatic control system manufacturer's authorized representative who is trained and approved for installation of system components required for this Project.
- B. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.
- C. All technician's labor shall be by Tridium N4 certified and factory trained employees with 5 or more years of experience on the new and existing systems. Subcontracting of technician's labor is unacceptable. All electrical installation shall be by Building Automation specialty electrical contractors directly employed and managed by the BAS contractor.
- D. All line voltage devices shall be UL or ETL listed
- E. Comply with ASHRAE 135 for DDC system components.
  - 1. All new devices shall be BACnet MSTP
  - 2. All new devices must BTL listed. No exception or substitutions

# 1.09 WARRANTY

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A. Warranty: Provide 2 Year Parts and Labor Factory Authorized Warranty Service for all new components and all labor provided on the project. Update all software to latest version available during warranty period at no additional cost to owner.

# 1.10 PROTECTION OF SOFTWARE RIGHTS

- A. Prior to delivery of software, the Owner and the party providing the software will enter into a software license agreement with provisions for the following:
  - 1. Limiting use of software to equipment provided under these specifications.
  - 2. Limiting copying.
  - 3. Preserving confidentiality.
  - 4. Prohibiting transfer to a third party.
- B. Provide Owner administrative rights after warranty period expires.

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DIRECT-DIGITAL CONTROL SYSTEM TRIDIUM

# 1.11 DELIVERY, STORAGE, AND HANDLING

- A. Factory-Mounted Components: Where control devices specified in this Section are indicated to be factory mounted on equipment, arrange for shipping of control devices to equipment manufacturer.
- B. System Software: Update to latest version of software at Project completion.

# 1.12 COORDINATION

- A. Coordinate location of thermostats, humidistats, and other exposed control sensors with plans and room details before installation.
- B. Coordinate equipment with Division 23 Sections for compatibility. Control contractor to provide all necessary devices for a complete and fully operational system for all equipment.
- C. Coordinate supply of conditioned electrical branch circuits for control units and operator workstation.
- D. Coordinate equipment with Division 26 achieve compatibility of communication interfaces.
- E. Coordinate equipment with Division 26 to achieve compatibility with starter coils and annunciation devices.
- F. Coordinate equipment with Division 26 to achieve compatibility with motor starters and annunciation devices.

#### PART 2 PRODUCTS

# 2.01 MANUFACTURERS

- A. Controllers:
  - 1. Manufacturers:
    - a. Johnson FX-PC series, BTL Listed, BACnet MSTP devices. Proprietary controllers (Metasys) will not be allowed.
  - 2. Software required to program the supervisory & field level controllers shall be made available to the Owner, and left on the BAS Server at project completion by the BAS Contractor.
  - 3. Controllers to have 10% spare IO for future use.
- B. End Devices
  - 1. All end devices shall be by manufacturers as specified below.

# 2.02 SYSTEM DESCRIPTION

- A. Control System
  - 1. Manufacturers:
    - a. Johnson Facility Explorer (Tridium Niagara 4) BACnet Open Protocol Web Based System with server (N4 Supervisor). Proprietary systems (Metasys) will not be allowed.
  - 2. Installers:
    - a. F.E. Moran. Contact Kevin: 224-45-7702.
  - 3. Control system shall consist of sensors, indicators, actuators, final control elements, interface equipment, other apparatus, accessories, and software connected to distributed controllers operating in multiuser, multitasking environment to provide a complete and fully operational system of controls for all new and existing equipment shown on the plans and described in the

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- specifications.
- 4. All graphics shall be web based using HTML5 over TCP/IP. Provide a free Android or iPhone APP with custom scaled graphics for all equipment. App shall be free with no user subscription fees and have scaled custom graphics for all HVAC systems & associated features.
- B. Install a new controller for each existing piece of equipment communicating to the web server over BACnet MSTP protocol using RS485 wiring
- C. Non-critical equipment (exhaust fans, unit heaters, etc.) may be connected to nearby controllers or grouped logically into a dedicated controller for multiple units.
- D. Install all new sensors and actuators for all equipment, wired to new controllers. Include all necessary relays, transformers and enclosures for a complete and fully operational system.
- E. Install all field wiring per NEC and install all wiring in conduit if it is in an exposed area or mechanical space.
- F. Provide stand-alone wiring and interlocks for all equipment and controls as necessary for a complete and fully operational system.
- G. Provide spring return actuators for all dampers or valves that could be subject to freezing or create an unsafe condition.
- H. System shall include controls and programming to meet energy code including demand control ventilation and critical zone reset of fan speed for VAV systems.
- I. The owner shall provide VPN access for service to provide ongoing user support, warranty and maintenance.
- J. Include installation and calibration, supervision, adjustments, and fine tuning necessary for complete and fully operational system.

# 2.03 GRAPHICS DISPLAY

- A. Operator's workstation shall display all data associated with project as called out on drawings and/or object type list supplied. Graphic files shall be created using digital, full color photographs of system installation, AutoCAD, GraphICS or Visio drawing files of field installation drawings and wiring diagrams from as-built drawings. Operator's workstation shall display all data using three-dimensional graphic representations of all mechanical equipment. System shall be capable of displaying graphic file, text, and dynamic object data together on each display and shall include animation. Information shall be labeled with descriptors and shall be shown with the appropriate engineering units. All information on any display shall be dynamically updated without any action by the user. Workstation shall allow user to change all field-resident EMCS functions associated with the project, such as setpoints, weekly schedules, exception schedules, etc. from any screen no matter if that screen shows all text or a complete graphic display. This shall be done without any reference to object addresses or other numeric/mnemonic indications.
- B. Provide complete and easy to use color graphics user interface, including:
  - 1. A unique graphical representation or all equipment with adjustable setpoints and alarms
  - 2. 3D Floor Plans with zones identified and color coding of alarm conditions (flood fill red for above setpoint, blue for below setpoint).
  - 3. Provide room numbers and equipment tags for all equipment on plans.

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- 4. Navigation tree for access to all equipment and plans.
- 5. Clicking on any floor plan equipment tag will navigate to unique equipment graphic.
- 6. All setpoints shall have user adjustable alarm ranges.
- 7. Time of day scheduling for all equipment easily adjustable by the user.
- 8. Adjustable Alarm ranges and alarm history page.
- C. Binary objects shall be displayed as ACTIVE/INACTIVE/NULL or with customized text. Text shall be justified left, right or center as selected by the user. Also, allow binary objects to be displayed as individual change-of-state graphic objects on the display screen such that they overlay the system graphic. Each binary object displayed in this manner shall be assigned up to three graphic files for display when the point is ON, OFF or in alarm. For binary outputs, toggle the object's commanded status when the graphic item is selected with the system mouse. Similarly, allow the workstation operator to toggle the binary object's status by selecting with the mouse a graphic of a switch or light, for example, which then displays a different graphic (such as an "ON" switch or lighted lamp). Additionally, allow binary objects to be displayed as an animated graphic. Animated graphic objects shall be displayed as a sequence of multiple graphics to simulate motion. For example: when a pump is in the OFF condition, display a stationary graphic of the pump. When the operator selects the pump graphic with the mouse, the represented object's status is toggled and the graphic of the pump's impeller rotates in a time-based animation. The operator shall be able to click on an animated graphical object or switch it from the OFF position to ON, or ON to OFF. Allow operator to change graphic file assignment and also create new and original graphics online. System shall be supplied with a library of standard graphics, which may be used unaltered or modified by the operator. Systems that do not allow customization or creation of new graphic objects by the operator (or with third-party software) shall not be allowed.
- D. Analog objects shall be displayed with operator modifiable units. Analog input objects may also be displayed as individual graphic items on the display screen as an overlay to the system graphic. Each analog input object may be assigned a minimum of five graphic files, each with high/low limits for automatic selection and display of these graphics. As an example, a graphic representation of a thermometer would rise and fall in response to either the room temperature or its deviation from the controlling setpoint. Analog output objects, when selected with the mouse, shall be displayed as a prompted dialog (text only) box. Selection for display type shall be individual for each object. Analog object values may be changed by selecting either the "increase" or "decrease" arrow in the analog object spinner box without using the keypad. Pressing the button on the right side of the analog object spinner box allows direct entry of an analog value and accesses various menus where the analog value may be used, such as trend logs.
- E. Analog objects may also be assigned to an area of a system graphic, where the color of the defined area changes based on the analog object's value. For example, an area of a floor-plan graphic served by a single control zone would change color with respect to the temperature of the zone or its deviation from setpoint. All editing and area assignment shall be created or modified online using simple icon tools.
- F. A customized menu label (push-button) shall be used for display selection. Menu items on a display shall allow penetration to lower level displays or additional menus. Dynamic point information and menu label push buttons may be mixed on the same display to allow sub- displays to exist for each item. Each display may be protected from viewing unless operator has appropriate security level. A security level may be assigned to each display and system object. The menu label

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- shall not appear on the graphic if the operator does not have the appropriate security level.
- G. G. A mouse shall be used to move the pointer arrow to the desired item for selection of new display or to allow the operator to make changes to object data.

# 2.04 WEB INTERFACE

# A. General

1. BAS supplier shall provide web-based access to the system as part of standard installation. User shall be able to access all displays of real-time data that are part of the BAS via a standard Web browser. Web browser shall tie into the network via owner- supplied Ethernet network connection. The web-page software shall not require a per user licensing fee or annual fees. The web-page host must be able to support on average 50 simultaneous users with the ability to expand the system to accommodate an unlimited number of users.

# B. Browser Technology

Browser shall be standard version of Microsoft Internet Explorer, Google Chrome, or Mozilla
Firefox. No special vendor-supplied software shall be needed on computers running browser.
All displays shall be viewable and the Web-page host shall directly access real-time data from
the BAS BACnet network. Data shall be displayed in real time and update automatically without
user interaction. User shall be able to change data on displays if logged in with the appropriate
user name and password.

#### C. Communications

- 1. Web-page host shall include two Ethernet network connections. One network connection shall be dedicated to BAS BACnet network and shall be used to gather real-time data from all the BACnet devices that form the BAS. This network shall communicate via BACnet, allowing the Web-page host to gather data directly from units on the local LAN or from other projects connected over a WAN. This network shall also provide the connection to the BAS server for Web page generation.
- 2. The second Ethernet connection shall provide the physical connection to the Internet or an IP-based WAN. It shall be the port that is used for the browser to receive Web pages and data from the Web-page host. The Web-page host shall act as a physical barrier between the BAS network and the WAN or Internet connection that allows the browser to receive web pages and data. The two separate network connections provide for a physical barrier to prevent raw BACnet traffic being exposed on the IP network.
- 3. The Web-page host shall provide for complete isolation of the IP and BACnet networks by not routing networking packets between the two networks.
- 4. BAS BACnet Ethernet network shall be provided and installed by the BAS supplier. Owner shall provide and incur any monthly charges of WAN/Internet connection.

# D. Display of Data

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- 1. Web page graphics shown on browser shall be replicas of the BAS displays. User shall need no additional training to understand information presented on Web pages when compared to what is shown on BAS displays. Web page displays shall include animation just as BAS displays. Fans shall turn, pilot lights shall blink, coils shall change colors, and so on.
- Real-time data shall be shown on all browser Web pages. This data must be directly gathered via the BACnet network and automatically updated on browser Web page displays without any user action. Data on the browser shall automatically refresh as changes are detected without

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- re-drawing the complete display.
- 3. It shall be possible for user from browser Web page to change data if the user is logged on with the appropriate password. Clicking on a button or typing in a new value shall change digital data. Using pull-down menus or typing in a new value shall change analog data.
- 4. Data displays shall be navigated using pushbuttons on the displays that are simply clicked on with the mouse to select a new display. Alternatively, the standard back and forward buttons of the browser can be used for display navigation.

# E. Time Schedule Adjustment

- Web access shall allow user to view and edit all schedules in the system. This includes standard, holiday and event schedules as described in BAS specification. Display of schedules shall show interaction of all schedules on a single display so user sees an overview of how all work together. User shall be able to edit schedules from this display.
- 2. Display of all 3 schedules must show all ON times for standard, holiday and event schedules in different colors on a given day. In addition, OFF times for each must also be shown in additional colors. User shall be able to select from standard calendar what days are to be scheduled and same display shall show all points and zones affected. User shall be able to set time for one day and select all days of the week that shall be affected as a recurrence of that same schedule for that given day.
- Schedule list shall show all schedules currently defined. This list shall include all standard, holiday and event schedules. In addition, user shall be able to select a list that shows all scheduled points and zones.

# F. Logging of Information

User shall use standard browser technology to view all trend logs in system. User shall be able
to view logged data in tabular form or graphical format. User shall be able to adjust time interval
of logged data viewed and shall be able to adjust y axis of data viewed in graphical format. User
shall also be able to down-load data through the web interface to local computer. Data shall be
in CSV format.

# G. Alarm Handling

Web interface shall display alarms as they occur. User shall be able to acknowledge alarms
using browser technology. In addition, user shall be able to view history of alarm occurrence
over a user selected time frame. In addition, those alarms may be filtered for viewing per user
selected options. A single selection shall display all alarms that have not been acknowledged.

# H. Web Page Generation

 Web pages shall be generated automatically from the BAS displays that reside on the BAS server. User shall access Web-page host via the network and shall initiate a web page generation utility that automatically takes the BAS displays and turns them into Web pages. The Web pages generated are automatically installed on the Web page host for access via any computer's standard browser.

# Password Security and Activity Log

1. Access via Web browser shall utilize the same hierarchical security scheme as BAS system. User shall be asked to log in once the browser makes connection to Web-page host. Once the user logs in, any and all changes that are made shall be tracked by the BAS system. The user shall be able to change only those items that the user has authority to change. A user activity report shall show any and all activity of the users that have logged in to the system regardless

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of whether those changes were made using a browser or via the BAS workstation.

# J. BACnet Communication

1. Web server shall directly communicate to all devices on the BAS network using BACnet protocol. No intermediate devices shall be necessary for BACnet communication.

#### 2.05 UNITARY CONTROLLERS

- A. Unitized, capable of stand-alone operation with sufficient memory to support its operating system, database, and programming requirements, and with sufficient I/O capacity for the application.
  - 1. Configuration: Local keypad and display; diagnostic LEDs for power, communication, and processor; wiring termination to terminal strip or card connected with ribbon cable; memory with bios; and 72-hour battery backup.
  - 2. Operating System: Manage I/O communication to allow distributed controllers to share real and virtual object information and allow central monitoring and alarms. Perform automatic system diagnostics; monitor system and report failures.
  - 3. ASHRAE 135 Compliance: Communicate using read (execute and initiate) and write (execute and initiate) property services defined in ASHRAE 135. Reside on network using MS/TP datalink/physical layer protocol and have service communication port for connection to diagnostic terminal unit.
  - 4. Enclosure: Dustproof rated for operation at 32 to 120 deg F.
  - 5. Enclosure: Waterproof rated for operation at 40 to 150 deg F.

#### PART 3 EXECUTION

#### 3.01 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify that conditioned power supply is available to the control units and to the operator work station. Verify that field end devices, wiring, and pneumatic tubing is installed prior to installation proceeding.

# 3.02 INSTALLATION

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- A. Install control units and other hardware in position on permanent walls where not subject to excessive vibration.
- B. Install software in control units and in operator work station. Implement all features of programs to specified requirements and appropriate to sequence of operation.
- C. Provide conduit and electrical wiring in accordance with division 26. Electrical material and installation shall be in accordance with appropriate requirements of Division 26.
  - 1. Provide conduit for all control wiring exposed to view. This includes but is not limited to all storage rooms, mechanical rooms, and similar spaces.
  - 2. Provide conduit for all control wiring concealed in inaccessible spaces. This includes but is not limited to wiring above/behind drywall and plaster ("hard") ceilings or soffits, and wiring within vertical chase spaces, regardless of whether access doors are provided or not.
  - 3. Control wiring that is concealed above readily accessible ceilings such as acoustical lay-in ceilings, need not be run in conduit.

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D. All exposed conduit wiring that is not located above an accessible ceiling shall be installed in conduit. This includes all storage room, mechanical rooms, etc.

# 3.03 FIELD QUALITY CONTROL

- A. Manufacturer's Field Service: Engage a factory-authorized service representative to inspect, test, and adjust field-assembled components and equipment installation, including connections, and to assist in field testing. Report results in writing.
- B. Perform the following field tests and inspections and prepare test reports:
  - 1. Operational Test: After electrical circuitry has been energized, start units to confirm proper unit operation. Remove and replace malfunctioning units and retest.
  - 2. Test and adjust controls and safeties.
  - 3. Leak Test: After installation, charge system and test for leaks. Repair leaks and retest until no leaks exist.
  - 4. Pressure test control air piping at 30 psig or 1.5 times the operating pressure for 24 hours, with maximum 5-psig loss.
  - 5. Pressure test high-pressure control air piping at 150 psig and low-pressure control air piping at 30 psig for 2 hours, with maximum 1-psig loss.
  - 6. Test calibration of electronic controllers by disconnecting input sensors and stimulating operation with compatible signal generator.
  - 7. Test each point through its full operating range to verify that safety and operating control set points are as required.
  - 8. Test each control loop to verify stable mode of operation and compliance with sequence of operation. Adjust PID actions.
  - 9. Test each system for compliance with sequence of operation.
  - 10. Test software and hardware interlocks.

# C. DDC Verification:

- 1. Verify that instruments are installed before calibration, testing, and loop or leak checks.
- 2. Check instruments for proper location and accessibility.
- 3. Check instrument installation for direction of flow, elevation, orientation, insertion depth, and other applicable considerations.
- 4. Check instrument tubing for proper fittings, slope, material, and support.
- 5. Check installation of air supply for each instrument.
- 6. Check flow instruments. Inspect tag number and line and bore size, and verify that inlet side is identified and that meters are installed correctly.
- 7. Check pressure instruments, piping slope, installation of valve manifold, and self-contained pressure regulators.
- 8. Check temperature instruments and material and length of sensing elements.
- 9. Check control valves. Verify that they are in correct direction.
- 10. Check air-operated dampers. Verify that pressure gages are provided and that proper blade alignment, either parallel or opposed, has been provided.
- 11. Check DDC system as follows:
  - a. Verify that DDC controller power supply is from emergency power supply, if applicable.
  - b. Verify that wires at control panels are tagged with their service designation and approved tagging system.
  - c. Verify that spare I/O capacity has been provided.

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- d. Verify that DDC controllers are protected from power supply surges.
- D. Replace damaged or malfunctioning controls and equipment and repeat testing procedures.

# 3.04 ADJUSTING

- A. Calibrating and Adjusting:
  - 1. Calibrate instruments.
  - 2. Make three-point calibration test for both linearity and accuracy for each analog instrument.
  - Calibrate equipment and procedures using manufacturer's written recommendations and instruction manuals. Use test equipment with accuracy at least double that of instrument being calibrated.
  - 4. Control System Inputs and Outputs:
    - a. Check analog inputs at 0, 50, and 100 percent of span.
    - b. Check analog outputs using milliampere meter at 0, 50, and 100 percent output.
    - c. Check digital inputs using jumper wire.
    - d. Check digital outputs using ohmmeter to test for contact making or breaking.
    - e. Check resistance temperature inputs at 0, 50, and 100 percent of span using a precision-resistant source.
  - 5. Flow:
    - a. Set differential pressure flow transmitters for 0 and 100 percent values with 3-point calibration accomplished at 50, 90, and 100 percent of span.
    - b. Manually operate flow switches to verify that they make or break contact.
  - 6. Pressure:
    - a. Calibrate pressure transmitters at 0, 50, and 100 percent of span.
    - b. Calibrate pressure switches to make or break contacts, with adjustable differential set at minimum.
  - 7. Temperature:
    - a. Calibrate resistance temperature transmitters at 0, 50, and 100 percent of span using a precision-resistance source.
    - b. Calibrate temperature switches to make or break contacts.
  - 8. Stroke and adjust control valves and dampers without positioners, following the manufacturer's recommended procedure, so that valve or damper is 100 percent open and closed.
  - 9. Stroke and adjust control valves and dampers with positioners, following manufacturer's recommended procedure, so that valve and damper is 0, 50, and 100 percent closed.
  - 10. Provide diagnostic and test instruments for calibration and adjustment of system.
  - 11. Provide written description of procedures and equipment for calibrating each type of instrument. Submit procedures review and approval before initiating startup procedures.
- B. Adjust initial temperature and humidity set points.

# 3.05 MANUFACTURER'S FIELD SERVICES

- A. Start and commission systems. Allow sufficient time for start-up and commissioning prior to placing control systems in permanent operation.
- B. Provide service engineer to instruct Owner's representative in operation of systems plant and equipment for 1/2 day period.

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C. Provide basic operator training for unlimited persons on data display, alarm and status descriptors, requesting data, execution of commands and request of logs. Include a minimum of 4 hours dedicated instructor time. Provide training on site.

# 3.06 DEMONSTRATION AND INSTRUCTIONS

A. Demonstrate complete and operating system to Owner.

**END OF SECTION** 

# SECTION 23 31 00 HVAC DUCTS AND CASINGS

## PART 1 GENERAL

## 1.01 SECTION INCLUDES

- A. Metal ducts.
- B. Flexible ducts.

# 1.02 RELATED REQUIREMENTS

- A. Section 23 07 13 Duct Insulation: External insulation and duct liner.
- B. Section 23 33 00 Air Duct Accessories.
- C. Section 23 36 00 Air Terminal Units.
- D. Section 23 37 00 Air Outlets and Inlets: Fabric air distribution devices.

#### 1.03 REFERENCE STANDARDS

- A. ASTM A653/A653M Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process 2022.
- B. NFPA 90A Standard for the Installation of Air-Conditioning and Ventilating Systems 2021.
- C. SMACNA (DCS) HVAC Duct Construction Standards Metal and Flexible 2021.
- D. UL 181 Standard for Factory-Made Air Ducts and Air Connectors Current Edition, Including All Revisions.

# 1.04 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements for submittal procedures.
- B. Product Data: Provide data for flexible duct materials.
- C. Shop Drawings: Indicate duct fitting types, gauges, sizes, welds, and configuration.
- D. Project Record Documents: Record actual locations of ducts and duct fittings. Record changes in fitting location and type. Show additional fittings used.

# 1.05 REGULATORY REQUIREMENTS

A. Construct ductwork to NFPA 90A standards.

# 1.06 FIELD CONDITIONS

- A. Do not install duct sealants when temperatures are less than those recommended by sealant manufacturers.
- B. Maintain temperatures within acceptable range during and after installation of duct sealants.

## PART 2 PRODUCTS

# 2.01 METAL DUCTS

A. Material Requirements:

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 Galvanized Steel: Hot-dipped galvanized steel sheet, ASTM A653/A653M FS Type B, with G60/Z180 coating.

#### 2.02 FLEXIBLE DUCTS

- A. Flexible Ducts: UL 181, Class 1, polyethylene film, mechanically fastened and rolled using galvanized steel to form a spiral helix.
  - 1. Insulation: R6 insulation with aluminized vapor barrier film.
  - 2. Pressure Rating: 10 in-wc positive and 5 in-wc negative.
  - 3. Maximum Velocity: 5500 fpm.
  - 4. Temperature Range: Minus 20 degrees F to 250 degrees F.
  - 5. Manufacturers:
    - a. Flexmaster USA, a brand of Masterduct, Inc; Type 1.
- B. Acoustic Flexible Ducts: UL 181, Class 1, spun-bond nylon, mechanically fastened and rolled using galvanized steel to form a spiral helix.
  - 1. Insulation: R6 insulation with aluminized vapor barrier film.
  - 2. Pressure Rating: 6 in-wc positive and 5 in-wc negative.
  - 3. Maximum Velocity: 4000 fpm.
  - 4. Temperature Range: Minus 20 degrees F to 250 degrees F.
  - 5. Accessories;
    - a. Flex Duct kit. Maximum length 5 feet.
  - 6. Manufacturers:
    - a. Flexmaster USA, a brand of Masterduct, Inc; Type 6.
    - b. Substitutions: Not permitted.

# PART 3 EXECUTION

#### 3.01 INSTALLATION

- A. Install, support, and seal ducts in accordance with SMACNA (DCS).
- B. Install products following the manufacturer's instructions.
- C. During construction, provide temporary closures of metal or taped polyethylene on open ductwork to prevent construction dust from entering the ductwork system.
- D. Increase duct sizes gradually, not exceeding 15 degrees divergence wherever possible; maximum 30 degrees divergence upstream of equipment and 45 degrees convergence downstream.
- E. Flexible Ducts: Connect to metal ducts with mechanical fastener.
- F. Install acoustical flexible duct downstream of VAV boxes.
- G. Duct sizes indicated are inside precise dimensions. For lined ducts, maintain sizes inside lining.
- H. Duct sizes indicated shall be of sizes indicated. However, necessary changes in shape offsets or crossovers to clear piping, lighting, building construction obstructions, etc. shall be made without additional cost.
- I. Provide openings in ductwork as indicated to accommodate thermometers and controllers. Provide pilot tube openings as indicated for testing of systems, complete with metal can with spring device

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- or screw to insure against air leakage. For openings, insulate ductwork and install insulation material inside a metal ring.
- J. Locate ducts with sufficient space around equipment to allow normal operating and maintenance activities.
- K. Use double nuts and lock washers on threaded rod supports.
- L. Connect terminal units to supply ducts directly or with 1 feet maximum length of flexible duct. Do not use flexible duct to change direction.
- M. Connect diffusers or light troffer boots to low-pressure ducts directly or with 5 feet maximum length of flexible duct held in place with strap or clamp.

# **END OF SECTION**

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# SECTION 23 33 00 AIR DUCT ACCESSORIES

## PART 1 GENERAL

## 1.01 SECTION INCLUDES

- A. Air turning devices/extractors.
- B. Return air canopy.
- C. Duct test holes.
- D. Flexible duct connectors.
- E. Flexible duct forming brace.
- F. Volume control dampers.
- G. Miscellaneous products:
  - 1. Internal strut end plugs.
  - 2. Duct opening closure film.

# 1.02 RELATED REQUIREMENTS

- A. Section 23 31 00 HVAC Ducts and Casings.
- B. Section 23 36 00 Air Terminal Units: Pressure regulating damper assemblies.

# 1.03 REFERENCE STANDARDS

- A. NFPA 90A Standard for the Installation of Air-Conditioning and Ventilating Systems 2021.
- B. SMACNA (DCS) HVAC Duct Construction Standards Metal and Flexible 2021.

# 1.04 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements for submittal procedures.
- B. Product Data: Provide for shop fabricated assemblies including volume control dampers. Include electrical characteristics and connection requirements.
- C. Shop Drawings: Indicate for shop fabricated assemblies including volume control dampers.

# 1.05 DELIVERY, STORAGE, AND HANDLING

A. Protect dampers from damage to operating linkages and blades.

## PART 2 PRODUCTS

## 2.01 AIR TURNING DEVICES/EXTRACTORS

A. Multi-blade device with blades aligned in short dimension; steel construction; with individually adjustable blades, mounting straps.

## 2.02 RETURN AIR CANOPY

- A. Manufacturer's:
  - 1. Titus; Model RCP.

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Price: Model RAC.

#### B. Performance:

- 1. Return air canopy performance characteristics, including noise reduction and pressure drop, shall be attained through testing using modified ASTM Standard E477.
- 2. Laboratory performance verification in the manufacturer's test facility may be requested, in which case a comparative test report shall be made available to the engineer.

#### C. Construction:

- Return air canopies shall be constructed in accordance with ASHRAE and SMACNA Standards for the pressure and velocity classification specified for the air distribution system in which it is installed.
- 2. Return air canopies shall be constructed of:
  - a. 20-gauge solid steel casing
- 3. Acoustic media:
  - a. Absorptive acoustic fiberglass media.
- 4. Acoustic media:
  - a. Fiberglass media:
    - 1) Acoustic media shall be shot-free inorganic glass fiber with long, resilient fibers, bonded with thermosetting resin.
    - 2) Glass fiber shall be in accordance with erosion requirements of UL 181 and shall conform to the physical properties and requirements of ASTM C1071.

# D. Fire-Performance Characteristics:

- 1. Air transfer silencer assemblies, including acoustic media fill, sealants, and acoustical spacers shall have combustion rating equal to or less than shown below when tested according to ASTM E84, NFPA 255 or UL 723:
- 2. Flame-spread index not exceeding 25
- 3. Smoke-developed index not exceeding 50

# 2.03 DUCT TEST HOLES

- A. Temporary Test Holes: Cut or drill in ducts as required. Cap with neat patches, neoprene plugs, threaded plugs, or threaded or twist-on metal caps.
- B. Permanent Test Holes: Factory fabricated, air tight flanged fittings with screw cap. Provide extended neck fittings to clear insulation.

# 2.04 FLEXIBLE DUCT CONNECTORS

- A. Fabricate in accordance with SMACNA (DCS) and as indicated.
- B. Flexible Duct Connections: Fabric crimped into metal edging strip.
  - 1. Fabric: UL listed fire-retardant neoprene coated woven glass fiber fabric to NFPA 90A. minimum density 30 oz/sq yd.

## 2.05 FLEXIBLE DUCTS FORMING BRACE

- A. Manufacturers:
  - 1. Titus; Model FlexRight.
  - 2. Thermaflex; Model FlexFlow Elbow.
  - 3. Substitutions: See Section 01 60 00 Product Requirements.

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B. UL Listed. Radius forming brace to hold flexible duct into a 90 degree elbow. Fits flexible duct sizes and diffuser inlets from 4 inches to 16 inches in diameter. Manufactured from copolymer polyproylene.

# 2.06 VOLUME CONTROL DAMPERS

- A. Manufacturers:
  - 1. Ruskin Company.
  - 2. Pottorff.
  - Greenheck.
- B. Fabricate in accordance with SMACNA (DCS) and as indicated.
- C. End Bearings: Except in round ducts 12 inches and smaller, provide end bearings. On multiple blade dampers, provide oil-impregnated nylon, thermoplastic elastomer, or sintered bronze bearings.
- D. Quadrants:
  - 1. Provide locking, indicating quadrant regulators on single and multi-blade dampers.
  - 2. On insulated ducts mount quadrant regulators on stand-off mounting brackets, bases, or adapters.

# 2.07 MISCELLANEOUS PRODUCTS

- A. Internal Strut End Plugs: Combination end-mounting and sealing plugs for metal conduit used as internal reinforcement struts for metal ducts; plug crimped inside conduit with outside gasketed washer seal.
- B. Duct Opening Closure Film: Mold-resistant, self-adhesive film to keep debris out of ducts during construction.
  - 1. Thickness: 2 mils.
  - 2. High tack water based adhesive.
  - 3. UV stable light blue color.
  - 4. Elongation Before Break: 325 percent, minimum.

#### PART 3 EXECUTION

## 3.01 INSTALLATION

- A. Install accessories in accordance with manufacturer's instructions, NFPA 90A, and follow SMACNA (DCS). See Section 23 31 00 for duct construction and pressure class.
- B. Provide duct test holes where indicated and required for testing and balancing purposes.
- C. At fans and motorized equipment associated with ducts, provide flexible duct connections immediately adjacent to the equipment.
- D. At equipment supported by vibration isolators, provide flexible duct connections immediately adjacent to the equipment.
- E. Provide balancing dampers at points on supply, return, and exhaust systems where branches are taken from larger ducts as required for air balancing. Install minimum 2 duct widths from duct take-off.

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F. Provide balancing dampers on duct take-off to diffusers, grilles, and registers, regardless of whether dampers are specified as part of the diffuser, grille, or register assembly.

# **END OF SECTION**

# **SECTION 23 34 23 HVAC POWER VENTILATORS**

# PART 1 GENERAL

## 1.01 SECTION INCLUDES

Ceiling exhaust fans.

# 1.02 REFERENCE STANDARDS

- A. AMCA 99 Standards Handbook 2016.
- B. AMCA 204 Balance Quality and Vibration Levels for Fans 2020.
- C. AMCA 210 Laboratory Methods of Testing Fans for Certified Aerodynamic Performance Rating 2016.
- D. AMCA 300 Reverberant Room Method for Sound Testing of Fans 2014.
- E. AMCA 301 Methods for Calculating Fan Sound Ratings from Laboratory Test Data 2022.

# 1.03 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements for submittal procedures.
- B. Product Data: Provide data on fans and accessories, including fan curves with specified operating point plotted, power, rpm, sound power levels at rated capacity, and electrical characteristics and connection requirements.
- C. Maintenance Data: Include instructions for lubrication, motor and drive replacement, spare parts list, and wiring diagrams.

# 1.04 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing the type of products specified in this section, with minimum three years of documented experience.

# PART 2 PRODUCTS

#### 2.01 MANUFACTURERS

- A. Greenheck.
- B. Loren Cook Company; Model ACE-B.
- C. Twin City Fan & Blower.

# 2.02 POWER VENTILATORS - GENERAL

- A. Static and Dynamically Balanced: Comply with AMCA 204.
- B. Performance Ratings: Comply with AMCA 210, bearing certified rating seal.
- C. Sound Ratings: Comply with AMCA 301, tested to AMCA 300, bearing certified sound ratings seal.
- D. Fabrication: Comply with AMCA 99.

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E. Electrical Components: Listed and classified by Underwriters Laboratories Inc. as suitable for the purpose specified and indicated.

# 2.03 CEILING EXHAUST FANS

- A. Centrifugal Fan Unit: Direct driven with galvanized steel housing lined with acoustic insulation, resiliently mounted motor, gravity backdraft damper in discharge.
- B. Disconnect Switch: Cord and plug-in housing for thermal overload protected motor.
- C. Grille: Aluminum with baked white enamel finish.
- D. Outlet: Round duct connection.
- E. Accessories:
  - 1. Pre-wired speed controller.
  - 2. Curb mounted roof cap.

# PART 3 EXECUTION

# 3.01 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Install backdraft dampers on inlet to roof and wall exhausters.

# **END OF SECTION**

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# **SECTION 23 36 00 AIR TERMINAL UNITS**

## PART 1 GENERAL

## 1.01 SECTION INCLUDES

- A. Single-duct terminal units.
  - Variable-volume units.

#### 1.02 RELATED REQUIREMENTS

- A. Section 23 09 23 Direct-Digital Control System for HVAC.
- B. Section 23 31 00 HVAC Ducts and Casings.

#### 1.03 REFERENCE STANDARDS

- A. AHRI 880 (I-P) Performance Rating of Air Terminals 2017.
- B. ASHRAE Std 130 Laboratory Methods of Testing Air Terminal Units 2016.
- C. ASTM C1071 Standard Specification for Fibrous Glass Duct Lining Insulation (Thermal and Sound Absorbing Material) 2019.
- D. NEMA 250 Enclosures for Electrical Equipment (1000 Volts Maximum) 2020.
- E. NFPA 70 National Electrical Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- F. NFPA 90A Standard for the Installation of Air-Conditioning and Ventilating Systems 2021.
- G. UL 181 Standard for Factory-Made Air Ducts and Air Connectors Current Edition, Including All Revisions.

#### 1.04 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements for submittal procedures.
- B. Product Data: Provide data indicating configuration, general assembly, and materials used in fabrication. Include catalog performance ratings that indicate airflow, static pressure, and NC designation. Include electrical characteristics and connection requirements.
- C. Shop Drawings: Indicate configuration, general assembly, and materials used in fabrication, and electrical characteristics and connection requirements.
  - 1. Include schedules listing discharge and radiated sound power level for each of the second through sixth-octave bands at inlet static pressures of 1 to 4 in-wc.
- D. Project Record Documents: Record actual locations of units and controls components and locations of access doors required for access of valving.
- E. Operation and Maintenance Data: Include manufacturer's descriptive literature, operating instructions, maintenance and repair data, and parts lists. Include directions for resetting constantvolume regulators.

**SECTION 23 36 00** Project No. 23-471-1466 23 36 00 - 1 AIR TERMINAL UNITS

# 1.05 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing the type of products specified in this section, with minimum three years of documented experience.

# PART 2 PRODUCTS

# 2.01 SINGLE-DUCT, VARIABLE-VOLUME UNITS

#### A. Manufacturers:

- 1. Titus.
- 2. Price Industries, Inc.
- Nailor.
- 4. Substitutions: See Section 01 60 00 Product Requirements.

#### B. General:

- 1. Factory-assembled, AHRI 880 (I-P) rated and bearing the AHRI seal, air volume control terminal with damper assembly, flow sensor, externally mounted volume controller, duct collars, and all required features.
- Control box bearing identification, including but not necessarily limited to nominal cfm, maximum and minimum factory-set airflow limits, coil type and coil (right or left hand) connection, where applicable.

# C. Unit Casing:

- 1. Minimum 22 gauge, 0.0299 inch galvanized steel.
  - a. Assembled with longitudinal lock seam construction.
  - b. Casing leakage to meet ASHRAE Std 130.
- 2. Air Inlet Collar: Provide round, suitable for standard flexible duct sizes.
- 3. Unit Discharge: Rectangular, with slip-and-drive connections.
- 4. Acceptable Liners:
  - a. 1/2 inch thick, coated, fibrous-glass complying with ASTM C1071.
    - 1) Secure with adhesive.
    - 2) Coat edges exposed to airstream with NFPA 90A approved sealant.
    - 3) Cover liner with non-porous foil.
  - b. Liner not to contain pentabrominated diphenyl ether (CAS #32534-81-9) or octabrominated diphenyl ether.

# D. Damper Assembly:

- 1. Heavy-gauge, galvanized steel, or extruded aluminum construction with solid steel, nickelplated shaft pivoting on HDPE, self-lubricating bearings.
- 2. Provide integral position indicator or alternative method for indicating damper position over full range of 90 degrees.
- 3. Incorporate low leak damper blades for tight airflow shutoff.

# E. Electric Heating Coil:

- 1. Listed and provided by the terminal unit manufacturer.
- 2. Coil Casing: 20 gauge, 0.0359 inch galvanized steel.
- 3. Heating Elements: Nickel chrome, supported by ceramic insulators.
- 4. Integral Control Panel: NEMA 250, Type 2 enclosure with hinged access door for access to all controls and safety devices.

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- 5. Furnish a primary automatic reset thermal cutout and differential pressure airflow switch for proof of airflow.
- 6. Provide the following additional components, mounted and/or wired within the control enclosure:
  - a. Fused or non-fused door interlocking disconnect switch.
  - b. Mercury contactors.
  - c. Fuse block.
- 7. Factory wired, including all limit switches and steps of control as indicated on the equipment schedule, with the SSR (solid-state relay) proportional heat control.
- 8. Provide SCR (Silicon Controlled Rectifier) controller.

# F. Electrical Requirements:

- 1. Single-point power connection.
- 2. Equipment wiring to comply with requirements of NFPA 70.

#### G. Controls:

- 1. DDC (Direct-Digital Controls):
  - a. Include a factory-installed, unit-mounted, direct-digital controller.
  - b. Bi-directional Damper Actuator: 24 volt, powered closed, spring return open.
  - c. Microprocessor-Based Controller: Air volume controller, pressure-independent with electronic airflow transducers, factory-calibrated maximum and minimum CFMs.
    - 1) Occupied and unoccupied operating mode.
    - 2) Remote reset of temperature or CFM set points.
    - 3) Proportional, plus integral control of room temperature.
    - 4) Monitoring and adjusting with portable terminal.
  - d. See Section 23 09 23.
- 2. Airflow Sensor: Differential pressure airflow device measuring total, static, and wake pressures.
  - a. Signal accuracy: Plus/minus five percent throughout terminal operating range.

# PART 3 EXECUTION

# 3.01 EXAMINATION

A. Verify that conditions are suitable for installation.

# 3.02 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Install the inlets of air terminal units and air flow sensors a minimum of four duct diameters from elbows, transitions, and duct takeoffs.
- C. See drawings for the size(s) and duct location(s) of the air terminal units.
- D. Provide ceiling access doors or locate units above easily removable ceiling components.
- E. Do not support from ductwork.
- F. Connect to ductwork in accordance with Section 23 31 00.
- G. Check and verify location of thermostats with plans and room details before installation. Locate 48 inches above floor. Align with lighting switches.

# 3.03 ADJUSTING

A. Reset volume with damper operator attached to assembly allowing flow range modulation from 100 percent of design flow to scheduled percent full flow. Set units with heating coils for minimum scheduled percent full flow.

# 3.04 CLEANING

A. Vacuum clean coils and inside of units.

**END OF SECTION** 

# **SECTION 23 37 00 AIR OUTLETS AND INLETS**

# PART 1 GENERAL

#### 1.01 SECTION INCLUDES

- A. Diffusers:
- B. Slot ceiling diffusers.
- C. Registers/grilles:

# 1.02 REFERENCE STANDARDS

- A. NFPA 90A Standard for the Installation of Air-Conditioning and Ventilating Systems 2021.
- B. SMACNA (ASMM) Architectural Sheet Metal Manual 2012.

#### 1.03 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements for submittal procedures.
- B. Product Data: Provide data for equipment required for this project. Review outlets and inlets as to size, finish, and type of mounting prior to submission. Submit schedule of outlets and inlets showing type, size, location, application, and noise level.

# 1.04 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing the type of products specified in this section, with minimum three years of documented experience.

#### PART 2 PRODUCTS

# 2.01 SQUARE CEILING DIFFUSERS

- A. Manufacturers:
  - 1. Titus: Model TMS.
  - 2. Price Industries; Model SCD.
  - 3. Nailor Industries; Model RNS3.
- B. Type: Provide square, stamped, multi-core diffuser to discharge air in four way pattern..
- C. Connections: Round.
- D. Frame: Provide inverted T-bar type. In plaster ceilings, provide plaster frame and ceiling frame.
- E. Fabrication: Steel with baked enamel finish.
- F. Color: As selected by Architect/Engineer from manufacturer's standard range.
- G. Accessories: Provide radial opposed blade volume control damper; removable core with damper adjustable from diffuser face.

# 2.02 CEILING SLOT DIFFUSERS

- A. Manufacturers:
  - 1. Titus; Model EOSI.

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- 2. Price.
- Nailor
- B. Auto-changeover diffuser with a bi-directional air pattern for cooling and heating applications
- C. Type: Continuous 2-inch wide slot, 1 slots wide.
- D. Unit casing shall be constructed of 24-gauge steel and pattern controller blade constructed of extruded aluminum.
- E. The standard finish shall be black on the face of the diffuser and the pattern controller.
- F. White ceiling T-Bars shall be a factory mounted.
- G. Fabrication: Steel with factory baked enamel finish.
- H. The supply diffusers shall have a single inlet and single discharge slot that uses a verticallyoriented extruded aluminum pattern controller with a tight sealing gasket at the top of the blade
  which seals against the inside plenum wall and provides full horizontal airflow in cooling mode or
  vertical airflow in heating mode. Supply diffusers shall have an internally-mounted self-powered
  actuator/motor assembly controlled by printed circuit board controller with logic programming.
  Supply diffusers shall have a solar cell mounted on the face to collect light energy to power the
  electronic controls and actuator assembly to provide bi-directional airflow. Actuators using bi-metal
  spring assembly or thermal wax mechanism are not acceptable. Actuators shall have electronic
  temperature sensors that sense the supply air temperature and move the pattern controller blade
  to a horizontal position for cooling when supply air temperature reaches the cooling set point and to
  a vertical position for heating when supply air temperature reaches the heating set point. Supply
  diffusers shall contain dip switches to adjust the cooling and heating temperature set points.
  Diffuser shall be equipped with a connector port that allows for connection of a secondary unit via
  control cable. The control switches and interconnect cable shall be accessible from the inlet side of
  the plenum.
- I. For rooms with multiple quantities of the same diffuser, provide one standard unit (master). All others within same room shall be secondary (slave) units. Connect secondary units to master unit.
- J. Plenum: Integral, galvanized steel, insulated.

#### 2.03 PERFORATED FACE CEILING RETURN REGISTERS/GRILLES

- A. Manufacturers:
  - Titus: Model PAR.
  - 2. Price Industries: Model PDDR.
  - Nailor Industries; Model 4360.
- B. Type: Perforated face, removable from the grille face and shall be hinged for ease of removal of the screen.
- C. Frame: Inverted T-bar type. In plaster ceilings, provide plaster frame and ceiling frame.
- D. Fabrication: Steel with steel frame and baked enamel finish.
- E. Color: As selected by Architect with manufacturer's standard range.

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# PART 3 EXECUTION

# 3.01 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Comply with SMACNA (ASMM) for flashing/counter-flashing of roof penetrations and supports for roof curbs and roof mounted equipment.
- C. Check location of outlets and inlets and make necessary adjustments in position to comply with architectural features, symmetry, and lighting arrangement.
- D. Install diffusers to ductwork with air tight connection.
- E. Provide balancing dampers on duct take-off to diffusers, and grilles and registers, despite whether dampers are specified as part of the diffuser, or grille and register assembly.

# **END OF SECTION**

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# **SECTION 26 05 00 BASIC ELECTRICAL REQUIREMENTS**

## PART 1 GENERAL

# 1.01 RELATED DOCUMENTS

A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

## 1.02 SECTION INCLUDES

- A. Basic Electrical Requirements and materials specifically applicable to Division 26 Sections, in addition to Division 1 - General Requirements. Section includes:
  - 1. Electrical Identification.
  - 2. Minor Demolition.
  - Conductors.
  - 4. Raceways and Boxes.
  - 5. Supporting Devices.

# 1.03 REGULATORY REQUIREMENTS

- A. Conform to NFPA 70 National Electrical Code, 2014 edition with amendments as adopted by the City of St. Charles. IL.
- B. Conform to building codes as adopted by the City of St. Charles, IL.
- C. Install electrical Work in accordance with the NECA Standard of Installation.

# 1.04 DELIVERY, STORAGE AND HANDLING

- A. Store and protect all materials as specified under the provisions of Section 01 60 00 and as specified herein.
- B. Deliver products to the project properly identified with names, model numbers, types, grades, compliance labels, and other information needed for identification.
- C. Ship products to the job site in their original packaging. Receive and store products in a suitable manner to prevent damage or deterioration. Keep equipment upright at all times.
- D. Investigate the spaces through which equipment must pass to reach its final destination. Coordinate with the manufacturer to arrange delivery at the proper stage of construction and to provide shipping splits where necessary.

# 1.05 PROJECT/SITE CONDITIONS

- A. Install work in locations shown on Drawings, unless prevented by Project conditions. Drawings have omitted certain branch circuitry in areas for ease of reading. All branch circuitry is to be provided by Contractor.
- B. Prepare drawings showing proposed rearrangement of Work to meet Project conditions, including changes to Work specified in other Sections. Obtain permission from Architect/Engineer before proceeding as specified under modification procedures.

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# 1.06 QUALITY ASSURANCE

- A. Provide Work as required for a complete and operational electrical installation.
- B. All products shall be designed, manufactured, and tested in accordance with industry standards. Standards, organizations, and their abbreviations as used hereafter, include the following:
  - American National Standards Institute, Inc (ANSI).
  - 2. American Society for Testing and Materials (ASTM).
  - 3. National Electrical Manufacturers Association (NEMA).
  - 4. Underwriters Laboratories, Inc. (UL).
- C. Install all Work in accordance with the NECA Standard of Installation.

# 1.07 SUBMITTALS

A. Submit all requested items in Division 26 Sections under provisions of Section 01 30 00.

#### 1.08 SUBSTITUTIONS

A. Substitutions will be considered only as allowed within the provisions of Section 01 60 00.

#### 1.09 PROJECT RECORD DOCUMENTS

A. Cooperate and assist in the preparation of project record documents under the provisions of Section 01 78 00.

# 1.10 TEMPORARY UTILITIES

A. Arrange with utility company and provide temporary lighting and power necessary for building construction and temporary structures. Perform work in accordance with Section 01 51 00 requirements.

# 1.11 PROJECT MANAGEMENT AND COORDINATION

A. Proper project management and coordination is critical for a successful project. Manage and coordinate the Work with all other trades in accordance with Section 01 30 00 requirements. Reliance on the Drawings and Specifications only for exact project requirements is insufficient for proper coordination.

# PART 2 PRODUCTS

# 2.01 WIRING METHODS

- A. All locations: Building wire in raceway.
- B. Use no wire smaller than 12 AWG for power and lighting circuits, and no smaller than 14 AWG for control wiring.
  - 1. Use 10 AWG conductor for 20 ampere, 120 volt branch circuit home runs longer than 100 feet. Use minimum #10 AWG conductor wire in all the following locations:
    - a. All emergency lighting and exit branch circuits.

# 2.02 WIRE AND CABLE

- A. Manufacturers:
  - 1. Okonite.
  - Southwire.

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# B. Building Wire:

- 1. Feeders and Branch Circuits Larger Than 6 AWG: Copper, stranded conductor, 600 volt insulation.
- 2. Feeders and Branch Circuits 6 AWG and Smaller: Copper conductor, 600 volt insulation. 6 and 8 AWG, stranded conductor; smaller than 8 AWG, stranded conductor (solid for device terminations).
- 3. Control Circuits: Copper, stranded conductor, 600 volt insulation.
- 4. Use 10 AWG conductors for 20 ampere, 120 volt branch circuits longer than 75 feet.
- 5. Use 10 AWG conductors for 20 ampere, 277 volt branch circuits longer than 200 feet.
- 6. Use conductor not smaller than 12 AWG for power and lighting circuits.
- 7. Use conductor not smaller than 16 AWG for control circuits.

#### C. Locations:

- 1. Concealed Dry Interior Locations: Use only building wire with Type THHN insulation in raceway.
- 2. Exposed Dry Interior Locations: Use only building wire with Type THHN insulation in raceway.
- 3. Above Accessible Ceilings: Use only building wire with Type THHN insulation in raceway.
- 4. Wet or Damp Interior Locations: Use only building wire with Type THWN insulation in raceway.
- 5. Exterior Locations: Use only building wire with Type XHHW insulation in raceway.

# 2.03 RACEWAY REQUIREMENTS

- A. Use only specified raceway in the following locations:
  - 1. Branch Circuits and Feeders:
    - a. Concealed Dry Interior Locations: Electrical metallic tubing.
    - Exposed Dry Interior Finished Locations: Electrical metallic tubing.
    - c. Exposed Dry Interior Unfinished Locations: Electrical metallic tubing.
    - d. All other locations: Galvanized Rigid Metallic Conduit.
- B. Size raceways for conductor type installed.
  - 1. Minimum Size Conduit Homerun to Panelboard: 3/4-inch.

#### 2.04 METALLIC CONDUIT AND FITTINGS

- A. Conduit:
  - 1. Rigid Steel Conduit: ANSI C80.1.
  - 2. Electrical metallic tubing: ANSI C80.3.
  - 3. Flexible Conduit: UL 1, zinc-coated steel.
    - a. Liquidtight Flexible Conduit: UL360. Fittings shall be specifically approved for use with this raceway.
- B. Conduit Fittings:
  - 1. Metal Fittings and Conduit Bodies: NEMA FB 1.
    - a. EMT fittings: Use set-screw indentor-type fittings.

# 2.05 CONDUIT HANGERS

- A. Manufacturers:
  - 1. Minerrallac Electric Company.
  - 2. Substitutions: Or Approved Equal.

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- B. Description:
  - 1. Standard conduit hanger, zinc-plated steel with bolts.
  - 2. Threaded rod and hardware: Plated finish, size and length as required for loading and conditions.

#### 2.06 BEAM CLAMPS

- A. Manufacturers:
  - 1. Appleton.
  - 2. Midwest.
  - 3. Raco.
- B. Description: Malleable beam clamp, zinc plated steel.

#### 2.07 ELECTRICAL BOXES

- A. Manufacturers:
  - 1. Raco.
  - 2. Steel City.
  - 3. Appleton.
  - 4. Substitutions: Or Approved Equal.
- B. Sheet Metal Outlet Boxes: ANSI/NEMA OS 1, galvanized steel, suitable for installation in masonry:
- C. Equipment Support Boxes: Rated for weight of equipment supported; include 2 inch male fixture studs where required.
- D. Wet Location Outlet Boxes: Cast aluminum: Cast alloy, deep type, gasket cover, threaded hubs.

## 2.08 PENETRATION SEALANTS

A. Thermal and Moisture Protection: Provide thermal and moisture protection made by Work under this Contract of all exterior wall, floor and roof penetrations in accordance with Division 7 requirements.

## 2.09 NAMEPLATES AND LABELS

- A. Nameplates: Engraved three-layer laminated plastic, black letters on white background.
- B. Locations:
  - 1. Each electrical distribution and control equipment enclosure.
- C. Letter Size:
  - 1. Use 1/8 inch letters for identifying individual equipment and loads.
  - 2. Use 1/4 inch letters for identifying grouped equipment and loads.
- D. Labels: Embossed adhesive tape, with 3/16 inch white letters on a black background. Use only for identification of individual wall switches and receptacles and control device stations.

#### 2.10 WIRE AND CABLE MARKERS

- A. Manufacturers:
  - 1. Brady Model PCPS.
  - 2. Panduit Model PCM.
  - 3. T & B Model WM.

- B. Description: Cloth type wire markers.
- C. Locations: Each conductor at panelboard gutters, pull boxes, and each load connection.
- D. Legend:
  - 1. Power and Lighting Circuits: Branch circuit or feeder number indicated on drawings.

# 2.11 CONDUIT MARKERS

- A. Location: Furnish markers for each conduit longer than 6 feet.
- B. Spacing: 20 feet on center.
- C. Color:
  - 1. 480 Volt System: Orange
  - 2. 208 Volt System: Black
  - 3. Fire Alarm System: Red.

# PART 3 EXECUTION

#### 3.01 EXAMINATION AND PREPARATION

- A. Demolition Drawings are based on casual field observation and are intended to identify the limits of the construction site. Remove all electrical systems in their entirety in proper sequence with the Work.
- B. Disconnect electrical systems in walls, floors, and ceilings for removal.
- C. Provide temporary wiring and connections to maintain existing systems in service during construction. When work must be performed on energized equipment or circuits, use personnel experienced in such operations.
- D. Existing Electrical Service and Emergency Electrical Service: Maintain existing system in service. Disable system only to make switchovers and connections. Obtain permission from Owner and Architect at least 24 hours before partially or completely disabling system. Minimize outage duration. Make temporary connections to maintain service in areas adjacent to work area.
- E. Existing Fire Alarm System: Maintain existing system in service. Disable system only to make switchovers and connections. Notify Owner, Architect/Engineer and local fire service at least 24 hours before partially or completely disabling system. Minimize outage duration. Make temporary connections to maintain service in areas adjacent to work area.
- F. Beginning of demolition means installer accepts existing conditions.
- G. Verify that supporting surfaces are ready to receive work.
- H. Electrical boxes are shown on Drawings, in approximate locations, unless dimensioned.
  - 1. Obtain verification from Architect/Engineer for locations of outlets throughout prior to rough-in.
- I. Degrease and clean surfaces to receive wire markers.
- J. Verify that interior of building is physically protected from weather.
- K. Verify that mechanical work which is likely to injure conductors has been completed.
- L. Completely and thoroughly swab raceway system before installing conductors.

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# 3.02 DEMOLITION AND EXTENSION OF EXISTING ELECTRICAL WORK

- A. Remove, relocate, and extend existing installations to accommodate new construction.
- B. Remove abandoned wiring to source of supply.
- C. Remove exposed abandoned conduit, including abandoned conduit above accessible ceiling finishes. Cut conduit flush with walls and floors, and patch surfaces.
- D. Relocate existing fire alarm devices affected by wall, ceiling and floor demolition.
- E. Repair adjacent construction and finishes damaged during demolition and extension work.
- F. Properly dispose of all ballast to approved ballast recycler. Do not land fill ballasts.

# 3.03 APPLICATION

- A. Install nameplate and label parallel to equipment lines.
- B. Secure nameplate to equipment front using screws.
- C. Secure nameplates to inside surface of door on panelboard that is recessed in finished locations.
- D. Identify underground conduits using underground warning tape. Install one tape per trench at 3 inches below finished grade.
- E. Neatly train and secure wiring inside boxes, equipment, and panelboards.
- F. Use wire pulling lubricant for pulling 4 AWG and larger wires.
- G. Route wire and cable as required to meet project conditions.
  - 1. Wire and cable routing indicated is approximate unless dimensioned.
  - 2. Where wire and cable destination is indicated and routing is not shown, determine exact routing and lengths required.
- H. Pull all conductors into raceway at same time.
- I. Protect exposed cable from damage.
- J. Neatly train and lace wiring inside boxes, equipment and panelboards.
- K. Support cables above accessible ceilings to keep them from resting on ceiling tiles.
- L. Make splices, taps, and terminations to carry full ampacity of conductors without perceptible temperature rise.
- M. Use split bolt connectors for copper conductor splices and taps, 6 AWG and larger. Tape uninsulated conductors and connector with electrical tape to 150 percent of insulation rating of conductor.
- N. Provide anchors, fasteners, and supports in accordance with NECA "Standard of Installation".
- O. Do not fasten supports to pipes, ducts, mechanical equipment, and conduit.
- P. Do not use powder-actuated anchors.
- Q. Do not drill or cut structural members.

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- R. Fabricate supports from structural steel or steel channel. Rigidly weld members or use hexagon head bolts to present neat appearance with adequate strength and rigidity. Use spring lock washers under all nuts.
- S. Install surface-mounted cabinets and panelboards with minimum of four anchors.
- T. In wet and damp locations use steel channel supports to stand cabinets and panelboards one inch off wall.
- U. Use sheet metal channel to bridge studs above and below cabinets and panelboards recessed in hollow partitions.
- V. Terminate spare conductors with electrical tape.
- W. Do not share neutral conductor on load side of dimmers.

# **END OF SECTION**

# **SECTION 26 05 83** WIRING CONNECTIONS

## PART 1 GENERAL

## 1.01 SECTION INCLUDES

A. Electrical connections to equipment and devices not and integral part of the electrical distribution system.

## 1.02 REFERENCE STANDARDS

- A. NEMA WD 1 General Color Requirements for Wiring Devices 1999 (Reaffirmed 2020).
- B. NEMA WD 6 Wiring Devices Dimensional Specifications 2021.
- C. NFPA 70 National Electrical Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

# 1.03 ADMINISTRATIVE REQUIREMENTS

- A. Provide conduit rough-in and electrical connection to powered equipment and devices identified in the Project Manual and on the Drawings. Refer specifically, but not limited to, these Specification Sections for further information:
  - 1. Section 08 71 00 Door Hardware: Components electrically operated and/or controlled.
  - 2. Section 08 88 36.16 Electronically Controlled Switchable Glass
  - Section 28 46 00 Fire Detection and Alarm.
  - 4. Section 23 34 23 HVAC Power Ventilators.
  - 5. Section 23 36 00 Air Terminal Units.
- B. Coordination: Determine connection locations and requirements for furniture, equipment and devices furnished or provided under other sections.
  - 1. Do not rely solely on the Drawings and Project Manual for execution of the Work of this Section.
  - 2. Obtain and review shop drawings, product data, manufacturer's wiring diagrams, and manufacturer's instructions.
  - 3. Include necessary field evaluation time to inspect connection requirements.
  - 4. Coordinate with other trades to determine exact rough-in requirements.

#### C. Sequencing:

- 1. Install rough-in of electrical connections before installation of furniture and equipment is required.
- 2. Make electrical connections before required start-up of equipment.

# 1.04 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements, for submittal procedures.
- B. Product Data: Provide wiring device manufacturer's catalog information showing dimensions, configurations, and construction.
- C. Manufacturer's Instructions: Indicate application conditions and limitations of use stipulated by product testing agency. Include instructions for storage, handling, protection, examination, preparation, and installation of product.

**SECTION 26 05 83** Project No. 23-471-1466 26 05 83 - 1 Copyright 2023 by KLUBER, INC.; All Rights Reserved WIRING CONNECTIONS

# 1.05 QUALITY ASSURANCE

- A. Comply with requirements of NFPA 70.
- B. Products: Listed, classified, and labeled as suitable for the purpose intended.

# PART 2 PRODUCTS

#### 2.01 MATERIALS

- A. Cords and Caps: NEMA WD 6; match receptacle configuration at outlet provided for equipment.
  - 1. Colors: Comply with NEMA WD 1.
  - 2. Cord Construction: NFPA 70, Type SO, multiconductor flexible cord with identified equipment grounding conductor, suitable for use in damp locations.
  - 3. Size: Suitable for connected load of equipment, length of cord, and rating of branch circuit overcurrent protection.
  - 4. Product: Carol.
  - 5. Substitutions: See Section 01 60 00 Product Requirements.
- B. Wiring Devices: As specified in Section 26 27 26.
- C. Flexible Conduit: As specified in Section 26 05 00.
- D. Wire and Cable: As specified in Section 26 05 00.
- E. Boxes: As specified in Section 26 05 00.

#### PART 3 EXECUTION

# 3.01 EXAMINATION

A. Verify that equipment is ready for electrical connection, wiring, and energization.

# 3.02 ELECTRICAL CONNECTIONS

- A. Make electrical connections in accordance with equipment manufacturer's instructions.
- B. Make conduit connections to equipment using flexible conduit. Use liquidtight flexible conduit with watertight connectors in damp or wet locations.
- C. Connect heat producing equipment using wire and cable with insulation suitable for temperatures encountered.
- D. Provide receptacle outlet to accommodate connection with attachment plug.
- E. Provide cord and cap where field-supplied attachment plug is required.
- F. Install suitable strain-relief clamps and fittings for cord connections at outlet boxes and equipment connection boxes.
- G. Install disconnect switches, controllers, control stations, and control devices to complete equipment wiring requirements.
- H. Install terminal block jumpers to complete equipment wiring requirements.

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I. Install interconnecting conduit and wiring between devices and equipment to complete equipment wiring requirements.

# **END OF SECTION**

# **SECTION 26 27 26 WIRING DEVICES**

## PART 1 GENERAL

## 1.01 SECTION INCLUDES

- A. Wall switches.
- B. Wall dimmers.
- C. Receptacles.
- D. Wall plates.
- E. Motion Sensors.

# 1.02 REFERENCE STANDARDS

- A. FS W-C-596 Connector, Electrical, Power, General Specification for 2014h, with Amendments (2017).
- B. FS W-S-896 Switches, Toggle (Toggle and Lock), Flush Mounted (General Specification) 2014g, with Amendment (2017).
- C. NECA 1 Standard for Good Workmanship in Electrical Construction 2015.
- D. NECA 130 Standard for Installing and Maintaining Wiring Devices 2016.
- E. NEMA WD 1 General Color Requirements for Wiring Devices 1999 (Reaffirmed 2020).
- F. NEMA WD 6 Wiring Devices Dimensional Specifications 2021.
- G. NFPA 70 National Electrical Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- H. UL 20 General-Use Snap Switches Current Edition, Including All Revisions.
- UL 498 Attachment Plugs and Receptacles Current Edition, Including All Revisions.
- J. UL 514D Cover Plates for Flush-Mounted Wiring Devices Current Edition, Including All Revisions.
- K. UL 943 Ground-Fault Circuit-Interrupters Current Edition, Including All Revisions.
- L. UL 1472 Solid-State Dimming Controls Current Edition, Including All Revisions.

# 1.03 ADMINISTRATIVE REQUIREMENTS

#### A. Coordination:

- 1. Coordinate the placement of outlet boxes with millwork, furniture, equipment, etc. installed under other sections or by others.
- 2. Coordinate wiring device ratings and configurations with the electrical requirements of actual equipment to be installed.
- 3. Coordinate the placement of outlet boxes for wall switches with actual installed door swings.
- 4. Coordinate the installation and preparation of uneven surfaces, such as split face block, to provide suitable surface for installation of wiring devices.

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 WIRING DEVICES

- 5. Notify Architect/Engineer of any conflicts or deviations from Contract Documents to obtain direction prior to proceeding with work.
- B. Sequencing:
  - 1. Do not install wiring devices until final surface finishes and painting are complete.

#### 1.04 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements, for submittal procedures.
- B. Product Data: Provide manufacturer's catalog information showing dimensions, colors, and configurations.
- C. Manufacturer's Installation Instructions: Indicate application conditions and limitations of use stipulated by product testing agency. Include instructions for storage, handling, protection, examination, preparation, and installation of product.
- D. Operation and Maintenance Data:
  - 1. Wall Dimmers: Include information on operation and setting of presets.
  - 2. GFCI Receptacles: Include information on status indicators.
- E. Project Record Documents: Record actual installed locations of wiring devices.

# 1.05 QUALITY ASSURANCE

- A. Comply with requirements of NFPA 70.
- B. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years documented experience.
- C. Products: Listed, classified, and labeled as suitable for the purpose intended.

# 1.06 DELIVERY, STORAGE, AND PROTECTION

A. Store in a clean, dry space in original manufacturer's packaging until ready for installation.

# PART 2 PRODUCTS

# 2.01 APPLICATIONS

- A. Provide wiring devices suitable for intended use and with ratings adequate for load served.
- B. For single receptacles installed on an individual branch circuit, provide receptacle with ampere rating not less than that of the branch circuit.
- C. Provide tamper resistant receptacles for receptacles installed in dwelling units.
- D. Provide GFCI protection for receptacles installed within 6 feet of sinks.
- E. Provide GFCI protection for receptacles installed in kitchens.
- F. Provide GFCI protection for receptacles serving electric drinking fountains.
- G. Unless noted otherwise, do not use combination switch/receptacle devices.

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# 2.02 ALL WIRING DEVICES

A. Provide products listed and classified by Underwriters Laboratories Inc. as suitable for the purpose specified and indicated.

#### B. Finishes:

- 1. All Wiring Devices: Ivory with stainless steel wall plate unless otherwise indicated.
- 2. Wiring Devices Installed in Finished Spaces: Ivory with stainless steel wall plate unless otherwise indicated.
- 3. Wiring Devices Installed in Unfinished Spaces: Gray with galvanized steel wall plate unless otherwise indicated.
- 4. Wiring Devices Installed in Wet or Damp Locations: Ivory with specified weatherproof cover unless otherwise indicated.
- 5. Wiring Devices Connected to Emergency Power: Redwith red aluminum wall plate.

# 2.03 WALL SWITCHES

#### A. Manufacturers:

- 1. Hubbell Incorporated: www.hubbell.com/#sle.
- 2. Leviton Manufacturing Company, Inc: www.leviton.com/#sle.
- 3. Pass & Seymour, a brand of Legrand North America, Inc: www.legrand.us/#sle.
- 4. Substitutions: See Section 01 60 00 Product Requirements.
- B. Wall Switches General Requirements: AC only, quiet operating, general-use snap switches with silver alloy contacts, complying with NEMA WD 1 and NEMA WD 6, and listed as complying with UL 20 and where applicable, FS W-S-896; types as indicated on the drawings.
  - 1. Wiring Provisions: Terminal screws for side wiring and screw actuated binding clamp for back wiring with separate ground terminal screw.
- C. Standard Wall Switches: Industrial specification grade, 20 A, 120/277 V with standard toggle type switch actuator and maintained contacts; single pole single throw, double pole single throw, three way, or four way as indicated on the drawings.

# 2.04 WALL DIMMERS

#### A. Manufacturers:

- 1. Leviton Manufacturing Company, Inc: www.leviton.com/#sle.
- 2. Lutron Electronics Company, Inc: www.lutron.com/#sle.
- 3. Pass & Seymour, a brand of Legrand North America, Inc: www.legrand.us/#sle.
- 4. Substitutions: See Section 01 60 00 Product Requirements.
- B. Wall Dimmers General Requirements: Solid-state with continuous full-range even control following square law dimming curve, integral radio frequency interference filtering, power failure preset memory, air gap switch accessible without removing wall plate, complying with NEMA WD 1 and NEMA WD 6, and listed as complying with UL 1472; types and ratings suitable for load controlled as indicated on the drawings.
- C. Power Rating, Unless Otherwise Indicated or Required to Control the Load Indicated on the Drawings:

**SECTION 26 27 26** Project No. 23-471-1466 26 27 26 - 3 WIRING DEVICES

# 2.05 RECEPTACLES

#### A. Manufacturers:

- 1. Hubbell Incorporated: www.hubbell.com/#sle.
- 2. Leviton Manufacturing Company, Inc: www.leviton.com/#sle.
- 3. Lutron Electronics Company, Inc; Designer Style: www.lutron.com/#sle.
- 4. Pass & Seymour, a brand of Legrand North America, Inc: www.legrand.us/#sle.
- 5. Substitutions: See Section 01 60 00 Product Requirements.
- B. Receptacles General Requirements: Self-grounding, complying with NEMA WD 1 and NEMA WD 6, and listed as complying with UL 498, and where applicable, FS W-C-596; types as indicated on the drawings.
  - 1. Wiring Provisions: Terminal screws for side wiring or screw actuated binding clamp for back wiring with separate ground terminal screw.
  - 2. NEMA configurations specified are according to NEMA WD 6.

# C. Convenience Receptacles:

1. Standard Convenience Receptacles: Industrial specification grade, 20A, 125V, NEMA 5-20R; single or duplex as indicated on the drawings.

# D. GFCI Receptacles:

- GFCI Receptacles General Requirements: Self-testing, with feed-through protection and light to indicate ground fault tripped condition and loss of protection; listed as complying with UL 943, class A.
  - a. Provide test and reset buttons of same color as device.
- 2. Standard GFCI Receptacles: Industrial specification grade, duplex, 20A, 125V, NEMA 5-20R, rectangular decorator style.

# 2.06 WALL PLATES

#### A. Manufacturers:

- 1. Hubbell Incorporated: www.hubbell-wiring.com/#sle.
- 2. Leviton Manufacturing Company, Inc: www.leviton.com/#sle.
- 3. Lutron Electronics Company, Inc: www.lutron.com/#sle.
- 4. Pass & Seymour, a brand of Legrand North America, Inc: www.legrand.us/#sle.
- B. Wall Plates: Comply with UL 514D.
  - 1. Configuration: One piece cover as required for quantity and types of corresponding wiring devices.
  - 2. Size: Standard.
  - 3. Screws: Metal with slotted heads finished to match wall plate finish.
  - 4. Paintable metallic.
- C. Stainless Steel Wall Plates: Brushed satin finish, Type 302 stainless steel.

#### 2.07 MOTION SENSORS

- A. Manufacturers:
  - 1. Leviton
  - 2. Hubbell
  - 3. Lutron

- 4. Approved Equal
- B. Combination Wall Switch/Occupancy Sensor
  - 1. Dual technology (passive infrared and ultrasonic), 277V sensor with 180degree field-of-view and maximum coverage of 2400 square feet.
  - 2. Manual push button for ON/OFF light switching.
  - 3. Time delay settings: 30 seconds, 10, 20 or 30 minutes).
  - 4. Adjustable Integral blinders.
  - 5. Sensor shall continuously monitor space to identify usage patterns. Unit shall automatically adjust time delay and sensitivity settings for optimal performance and energy efficiency.

# C. Ceiling Mounted.

- 1. Dual technology (passive infrared and ultrasonic), 24VDC sensor with unobtrusive appearance and 360 degrees of coverage.
  - a. Provide type/quantity of motion sensors to meet square foot coverage requirements.
- 2. Provide power pack for 24VDC controls and switching of 120/277V circuits. Minimum quantity of sensors per power pack: 2.
- 3. Sensor shall continuously monitor space to identify usage patterns. Unit shall automatically adjust time delay and sensitivity settings for optimal performance and energy efficiency.
- 4. Time delay settings: Auto, fixed (5,10,15,20 or 30 minutes).
- 5. Sensitivity settings: Auto, reduced sensitivity (passive infrared) variable (ultrasonic).
- 6. (1) N/O and (1) N/C output.

## 2.08 SINGLE-POLE MOTOR RATED SWITCHES

- A. Manufacturers:
  - 1. Square D.
  - General Electric.
  - 3. Siemens.
  - 4. Substitutions: Or Approved Equal.
- B. NEMA ICS 2; AC general purpose Class A manually operated, full-voltage controller for fractional horsepower induction motors, with thermal overload unit, toggle operator.
  - 1. Voltage: 120 Volt.
- C. Enclosure: NEMA 1, suitable for use in return air plenum where applicable.

# PART 3 EXECUTION

#### 3.01 EXAMINATION

- A. Verify that field measurements are as indicated.
- B. Verify that outlet boxes are installed in proper locations and at proper mounting heights and are properly sized to accommodate devices and conductors in accordance with NFPA 70.
- C. Verify that wall openings are neatly cut and will be completely covered by wall plates.
- D. Verify that final surface finishes are complete, including painting.
- E. Verify that branch circuit wiring installation is completed, tested, and ready for connection to wiring devices.
- F. Verify that conditions are satisfactory for installation prior to starting work.

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# 3.02 PREPARATION

- A. Provide extension rings to bring outlet boxes flush with finished surface.
- B. Clean dirt, debris, plaster, and other foreign materials from outlet boxes.

# 3.03 INSTALLATION

- A. Perform work in accordance with NECA 1 (general workmanship) and, where applicable, NECA 130, including mounting heights specified in those standards unless otherwise indicated.
- B. Coordinate locations of outlet boxes provided under Section 26 05 00 as required for installation of wiring devices provided under this section.
  - 1. Mounting Heights: Unless otherwise indicated, as follows:
    - a. Wall Switches: 48 inches above finished floor.
    - b. Wall Dimmers: 48 inches above finished floor.
    - c. Receptacles: 18 inches above finished floor or 6 inches above counter.
  - 2. Orient outlet boxes for vertical installation of wiring devices unless otherwise indicated.
  - 3. Where multiple receptacles, wall switches, or wall dimmers are installed at the same location and at the same mounting height, gang devices together under a common wall plate.
  - 4. Locate wall switches on strike side of door with edge of wall plate 3 inches from edge of door frame. Where locations are indicated otherwise, notify Architect/Engineer to obtain direction prior to proceeding with work.
- C. Install wiring devices in accordance with manufacturer's instructions.
- D. Install permanent barrier between ganged wiring devices when voltage between adjacent devices exceeds 300 V.
- E. Where required, connect wiring devices using pigtails not less than 6 inches long. Do not connect more than one conductor to wiring device terminals.
- F. Connect wiring devices by wrapping conductor clockwise 3/4 turn around screw terminal and tightening to proper torque specified by the manufacturer. Where present, do not use push-in pressure terminals that do not rely on screw-actuated binding.
- G. Unless otherwise indicated, connect wiring device grounding terminal to branch circuit equipment grounding conductor and to outlet box with bonding jumper.
- H. Unless otherwise indicated, GFCI receptacles may be connected to provide feed-through protection to downstream devices. Label such devices to indicate they are protected by upstream GFCI protection.
- I. Install wiring devices plumb and level with mounting yoke held rigidly in place.
- J. Install wall switches with OFF position down.
- K. Install wall dimmers to achieve full rating specified and indicated after derating for ganging as instructed by manufacturer.
- L. Do not share neutral conductor on branch circuits utilizing wall dimmers.
- M. Install vertically mounted receptacles with grounding pole on top and horizontally mounted receptacles with grounding pole on left.

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 WIRING DEVICES

- N. Install wall plates to fit completely flush to wall with no gaps and rough opening completely covered without strain on wall plate. Repair or reinstall improperly installed outlet boxes or improperly sized rough openings. Do not use oversized wall plates in lieu of meeting this requirement.
- O. Install blank wall plates on junction boxes and on outlet boxes with no wiring devices installed or designated for future use.

# 3.04 FIELD QUALITY CONTROL

- A. See Section 01 40 00 Quality Requirements, for additional requirements.
- B. Inspect each wiring device for damage and defects.
- C. Operate each wall switch and wall dimmer with circuit energized to verify proper operation.
- D. Test each receptacle to verify operation and proper polarity.
- E. Test each GFCI receptacle for proper tripping operation according to manufacturer's instructions.
- F. Correct wiring deficiencies and replace damaged or defective wiring devices.

#### 3.05 ADJUSTING

- A. Adjust devices and wall plates to be flush and level.
- B. Adjust presets for wall dimmers according to manufacturer's instructions as directed by Architect/Engineer.

# 3.06 CLEANING

A. Clean exposed surfaces to remove dirt, paint, or other foreign material and restore to match original factory finish.

# **END OF SECTION**

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 WIRING DEVICES

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# SECTION 26 51 00 INTERIOR LUMINAIRES

#### PART 1 GENERAL

## 1.01 SECTION INCLUDES

- A. Interior luminaires.
- B. Emergency lighting units.
- C. Exit signs.
- D. Accessories.

## 1.02 RELATED REQUIREMENTS

A. Section 26 27 26 - Wiring Devices: Manual wall switches and wall dimmers.

# 1.03 REFERENCE STANDARDS

- A. 47 CFR 15 Radio Frequency Devices current edition.
- B. IESNA LM-63 ANSI Approved Standard File Format for Electronic Transfer of Photometric Data and Related Information 2002 (Reaffirmed 2008).
- C. IES LM-79 Approved Method: Optical and Electrical Measurements of Solid-State Lighting Products 2019.
- D. IES LM-80 Approved Method: Measuring Maintenance of Light Output Characteristics of Solid-State Light Sources 2021.
- E. NECA 1 Standard for Good Workmanship in Electrical Construction 2015.
- F. NECA/IESNA 500 Standard for Installing Indoor Lighting Systems 2006.
- G. NECA/IESNA 502 Standard for Installing Industrial Lighting Systems 2006.
- H. NEMA LE 4 Recessed Luminaires, Ceiling Compatibility 2012 (Reaffirmed 2018).
- I. NFPA 70 National Electrical Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- J. NFPA 101 Life Safety Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- K. UL 924 Emergency Lighting and Power Equipment Current Edition, Including All Revisions.
- L. UL 1598 Luminaires Current Edition, Including All Revisions.
- M. UL 8750 Light Emitting Diode (LED) Equipment for Use in Lighting Products Current Edition, Including All Revisions.

# 1.04 ADMINISTRATIVE REQUIREMENTS

- A. Coordination:
  - 1. Coordinate the installation of luminaires with mounting surfaces installed under other sections or by others. Coordinate the work with placement of supports, anchors, etc. required for

- mounting. Coordinate compatibility of luminaires and associated trims with mounting surfaces at installed locations.
- Coordinate the placement of luminaires with structural members, ductwork, piping, equipment, diffusers, fire suppression system components, and other potential conflicts installed under other sections or by others.
- 3. Coordinate the placement of exit signs with furniture, equipment, signage or other potential obstructions to visibility installed under other sections or by others.
- 4. Notify Architect/Engineer of any conflicts or deviations from Contract Documents to obtain direction prior to proceeding with work.

#### 1.05 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements, for submittal procedures.
- B. Shop Drawings:
  - 1. Provide photometric calculations where luminaires are proposed for substitution upon request.
  - 2. Indicate construction, installation and mounting details for products.
  - 3. Wiring Diagrams: Submit wiring diagrams for all exit sign, night light, self-contained back-up battery lighting, battery ballasts and associated circuit breakers, programmable circuit breakers and/or emergency circuit breakers.
- C. Product Data: Provide manufacturer's standard catalog pages and data sheets including detailed information on luminaire construction, dimensions, ratings, finishes, mounting requirements, listings, service conditions, photometric performance, installed accessories, and ceiling compatibility; include model number nomenclature clearly marked with all proposed features.
  - 1. LED Luminaires:
    - a. Include estimated useful life, calculated based on IES LM-80 test data.
  - 2. Lamps: Include rated life, color temperature, color rendering index (CRI), and initial and mean lumen output.
  - 3. Wiring diagrams: Provide wiring diagrams for dimmable ballasts and dimmable switches.
- D. Certificates for Dimming Ballasts: Manufacturer's documentation of compatibility with dimming controls to be installed.
- E. Manufacturer's Installation Instructions: Indicate application conditions and limitations of use stipulated by product testing agency. Include instructions for storage, handling, protection, examination, preparation, and installation of product.
- F. Operation and Maintenance Data: Instructions for each product including information on replacement parts.
- G. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
  - 1. See Section 01 60 00 Product Requirements, for additional provisions.
- H. Project Record Documents: Record actual connections and locations of luminaires and any associated remote components.

# 1.06 QUALITY ASSURANCE

- A. Comply with requirements of NFPA 70.
- B. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years documented experience.

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# 1.07 DELIVERY, STORAGE, AND PROTECTION

- A. Receive, handle, and store products according to NECA/IESNA 500 (commercial lighting), NECA/IESNA 502 (industrial lighting), and manufacturer's written instructions.
- B. Keep products in original manufacturer's packaging and protect from damage until ready for installation.

# 1.08 FIELD CONDITIONS

A. Maintain field conditions within manufacturer's required service conditions during and after installation.

# 1.09 WARRANTY

- A. See Section 01 78 00 Closeout Submittals, for additional warranty requirements.
- B. Provide three year manufacturer warranty for LED luminaires, including drivers.

#### PART 2 PRODUCTS

# 2.01 LUMINAIRE TYPES

- A. Furnish products as indicated in luminaire schedule included on the drawings.
- B. Substitutions: See Section 01 60 00 Product Requirements except where individual luminaire types are designated with substitutions not permitted.

# 2.02 LUMINAIRES

- A. Manufacturers:
  - 1. Acuity Brands, Inc: www.acuitybrands.com/#sle.
  - 2. Cooper Lighting, a division of Cooper Industries: www.cooperindustries.com/#sle.
  - 3. Hubbell Lighting, Inc: www.hubbelllighting.com/#sle.
- B. Provide products that comply with requirements of NFPA 70.
- C. Provide products that are listed and labeled as complying with UL 1598, where applicable.
- D. Provide products listed, classified, and labeled as suitable for the purpose intended.
- E. Provide products complying with Federal Energy Management Program (FEMP) requirements.
- F. Unless otherwise indicated, provide complete luminaires including lamp(s) and all sockets, ballasts, reflectors, lenses, housings and other components required to position, energize and protect the lamp and distribute the light.
- G. Unless specifically indicated to be excluded, provide all required conduit, boxes, wiring, connectors, hardware, supports, trims, accessories, etc. as necessary for a complete operating system.
- H. Provide products suitable to withstand normal handling, installation, and service without any damage, distortion, corrosion, fading, discoloring, etc.
- I. Recessed Luminaires:
  - 1. Ceiling Compatibility: Comply with NEMA LE 4.

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- 2. Luminaires Recessed in Insulated Ceilings: Listed and labeled as IC-rated, suitable for direct contact with insulation and combustible materials.
- 3. Luminaires Recessed in Sloped Ceilings: Provide suitable sloped ceiling adapters.
- J. LED Luminaires:
  - 1. Components: UL 8750 recognized or listed as applicable.
  - 2. Tested in accordance with IES LM-79 and IES LM-80.
  - 3. LED Estimated Useful Life: Minimum of 50,000 hours at 70 percent lumen maintenance, calculated based on IES LM-80 test data.
- K. LED Luminaire Components: UL 8750 recognized or listed as applicable.

# 2.03 EMERGENCY LIGHTING UNITS

- A. Description: Emergency lighting units complying with NFPA 101 and all applicable state and local codes, and listed and labeled as complying with UL 924.
- B. Operation: Upon interruption of normal power source or brownout condition exceeding 20 percent voltage drop from nominal, solid-state control automatically switches connected lamps to integral battery power for minimum of 90 minutes of rated emergency illumination, and automatically recharges battery upon restoration of normal power source.
- C. Battery:
  - 1. Sealed maintenance-free lead calcium unless otherwise indicated.
  - 2. Size battery to supply all connected lamps, including emergency remote heads where indicated.
- D. Diagnostics: Provide power status indicator light and accessible integral test switch to manually activate emergency operation.
- E. Provide low-voltage disconnect to prevent battery damage from deep discharge.
- F. Accessories:
  - 1. Provide compatible accessory mounting brackets where indicated or required to complete installation.
  - 2. Provide compatible accessory high impact polycarbonate vandal shields where indicated.
  - 3. Provide compatible accessory wire guards where indicated.
  - 4. Where indicated, provide emergency remote heads that are compatible with the emergency lighting unit they are connected to and suitable for the installed location.

# 2.04 EXIT SIGNS

- A. Description: Exit signs complying with NFPA 101 and applicable state and local codes, and listed and labeled as complying with UL 924.
  - 1. Number of Faces: Single- or double-face as indicated or as required for installed location.
  - 2. Directional Arrows: As indicated or as required for installed location.
- B. Powered Exit Signs: Internally illuminated with LEDs unless otherwise indicated.
  - 1. Self-Powered Exit Signs:
    - a. Operation: Upon interruption of normal power source or brownout condition exceeding 20 percent voltage drop from nominal, solid-state control automatically switches connected lamps to integral battery power for minimum of 90 minutes of rated emergency illumination, and automatically recharges battery upon restoration of normal power source.

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- b. Diagnostics: Provide power status indicator light and accessible integral test switch to manually activate emergency operation.
- c. Provide low-voltage disconnect to prevent battery damage from deep discharge.

# PART 3 EXECUTION

#### 3.01 EXAMINATION

- A. Verify that field measurements are as indicated.
- B. Verify that outlet boxes are installed in proper locations and at proper mounting heights and are properly sized to accommodate conductors in accordance with NFPA 70.
- C. Verify that suitable support frames are installed where required.
- D. Verify that branch circuit wiring installation is completed, tested, and ready for connection to luminaires.
- E. Verify that conditions are satisfactory for installation prior to starting work.
- F. Examine substrate and supporting grids for luminaires.
- G. Examine each fixture to determine suitability for lamps specified.

# 3.02 PREPARATION

- A. Provide extension rings to bring outlet boxes flush with finished surface.
- B. Clean dirt, debris, plaster, and other foreign materials from outlet boxes.

#### 3.03 INSTALLATION

- A. Coordinate locations of outlet boxes provided under Section 26 05 00 as required for installation of luminaires provided under this section.
- B. Install products in accordance with manufacturer's instructions.
- C. Install luminaires securely, in a neat and workmanlike manner, as specified in NECA 500 (commercial lighting) and NECA 502 (industrial lighting).
- D. Install luminaires plumb and square and aligned with building lines and with adjacent luminaires.
- E. Locate recessed ceiling luminaires as indicated on reflected ceiling plan.
- F. Install wall mounted luminaires, emergency units and exit signs at height as indicated on Drawings and directed in the field by Architect. Obtain final approval from Architect prior to commencement of this portion of work.
- G. Install accessories furnished with each luminaire.
- H. Make wiring connections to branch circuit using building wire with insulation suitable for temperature conditions within luminaire.
- I. Suspended Ceiling Mounted Luminaires:
  - 1. Do not use ceiling tiles to bear weight of luminaires.
  - 2. Support luminaires larger than 2 foot by 4 foot size independent of ceiling framing.
  - 3. Secure lay-in luminaires to ceiling support channels using listed safety clips at four corners.

4. See appropriate Division 9 section where suspended grid ceiling is specified for additional requirements.

#### J. Recessed Luminaires:

- 1. Install trims tight to mounting surface with no visible light leakage.
- 2. Install recessed luminaires to permit removal from below.
- 3. Install recessed luminaires using accessories and firestopping materials to meet regulatory requirements for fire rating.
- 4. Install clips to secure recessed grid-supported luminaires in place.
- K. Install accessories furnished with each luminaire.
- L. Bond products and metal accessories to branch circuit equipment grounding conductor.
- M. Emergency Lighting Units:
  - 1. Unless otherwise indicated, connect unit to unswitched power from circuit indicated. Bypass local switches, contactors, or other lighting controls.

# N. Exit Signs:

- 1. Unless otherwise indicated, connect unit to unswitched power from circuit indicated. Bypass local switches, contactors, or other lighting controls.
- O. Fluorescent Emergency Power Supply Units:
  - 1. Unless otherwise indicated, connect unit to unswitched power from same circuit feeding normal ballast(s) in luminaire. Bypass local switches, contactors, or other lighting controls.
- P. Install lamps in each luminaire.
- Q. Lamp Burn-In: Operate lamps at full output for prescribed period per manufacturer's recommendations prior to use with any dimming controls. Replace lamps that fail prematurely due to improper lamp burn-in.

# 3.04 FIELD QUALITY CONTROL

- A. See Section 01 40 00 Quality Requirements, for additional requirements.
- B. Inspect each product for damage and defects.
- C. Operate each luminaire after installation and connection to verify proper operation.
- D. Test self-powered exit signs, emergency lighting units, and fluorescent emergency power supply units to verify proper operation upon loss of normal power supply.
- E. Correct wiring deficiencies and repair or replace damaged or defective products. Repair or replace excessively noisy ballasts as determined by Architect/Engineer.
- F. Energy Code Commissioning: The electrical contractor shall program, test, calibrate and confirm the proper operation and placement of all lighting controls in accordance with the International Energy Code, 2018 Edition Paragraph C408.3 "Functional testing of lighting controls".

# 3.05 ADJUSTING

A. Aim and position adjustable luminaires to achieve desired illumination as indicated or as directed by Architect/Engineer. Secure locking fittings in place.

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- B. Aim and position adjustable emergency lighting unit lamps to achieve optimum illumination of egress path as required or as directed by Architect/Engineer or authority having jurisdiction.
- C. Exit Signs with Field-Selectable Directional Arrows: Set as indicated or as required to properly designate egress path as directed by Architect/Engineer or authority having jurisdiction.
- D. Relamp luminaires which have failed lamps at completion of work.

# 3.06 CLEANING

A. Clean surfaces according to NECA 500 (commercial lighting), NECA 502 (industrial lighting), and manufacturer's instructions to remove dirt, fingerprints, paint, or other foreign material and restore finishes to match original factory finish.

# 3.07 CLOSEOUT ACTIVITIES

- A. See Section 01 78 00 Closeout Submittals, for closeout submittals.
- B. Demonstration: Demonstrate proper operation of luminaires to Architect/Engineer, and correct deficiencies or make adjustments as directed.
- C. Just prior to Substantial Completion, replace all lamps that have failed.
- D. Project record documents: Accurately record location of each luminaire.

# 3.08 PROTECTION

A. Protect installed luminaires from subsequent construction operations.

**END OF SECTION** 

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# SECTION 27 05 28.29 HANGERS AND SUPPORTS FOR COMMUNICATIONS SYSTEMS

# PART 1 GENERAL

# 1.01 SUMMARY

- A. Section Includes:
  - 1. Cable Hangers.
  - 2. Ladder Rack.
  - 3. Support Hardware.

# 1.02 REFERENCES

- A. NECA National Contractors Association.
- B. ANSI/NFPA 70 National Electrical Code.
- C. EIA/TIA 569: Commercial building Standard for Pathways and Spaces.
- D. NEMA VE1 Metallic Cable Tray Systems.
- E. NEMA VE2 Metal Cable Tray Installation Guidelines.

# 1.03 SUBMITTALS

- A. Shop Drawings: Provide shop drawings for riser cable hanger (multi-tier tray system). Indicate all construction details with cross section of all proposed systems indicated.
  - 1. Design Requirements: Provide conductor fill requirements for cable tray fill after all low voltage system shop drawings have been prepared.
- B. Product Literature: Provide product literature for all system components.

# PART 2 PRODUCTS

# 2.01 PRODUCT REQUIREMENTS

- A. Materials and Finishes: Provide adequate corrosion resistance.
- B. Provide materials, sizes, and types of anchors, fasteners and supports to carry the loads of equipment and conduit. Consider weight of wire in conduit when selecting products.

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- C. Anchors and Fasteners:
  - 1. Concrete Structural Elements: Use expansion anchors.
  - 2. Steel Structural Elements: Use beam clamps.
  - 3. Concrete Surfaces: Use self-drilling anchors and expansion anchors.
  - 4. Hollow Masonry, Plaster, and Gypsum Board Partitions: Use toggle bolts.
  - 5. Solid Masonry Walls: Use expansion anchors and preset inserts.
  - 6. Sheet Metal: Use sheet metal screws.
  - 7. Wood Elements: Use wood screws.

#### 2.02 LADDER RACK

- A. Manufacturers:
  - 1. Square D.

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- 2. B-Line.
- B. Description: NEMA VE-1 Class 8A, ladder cable tray, aluminum, 6" rung spacing, 18" width.
  - 1. Accessories: Grounding clamp, ladder drop-out bushing, cable ties, conduit to tray adapter.
  - 2. Support: Wall-bracket and trapeze with threaded rod and clamps.

## 2.03 CABLE HANGERS - HORIZONTAL CABLING

- A. Manufacturers:
  - 1. Caddy.
  - 2. Panduit.
  - 3. Saunder.
- B. Description: EIA/TIA 569-A compliant, wall-mount, j-hook type fastener. Size per intended cable installation plus 50% spare capacity.

# 2.04 CABLE HANGERS - RISER CABLING

- A. Manufacturers:
  - 1. B-Line Multi-Tier Half Track System or equal.
- B. Description:
  - 1. Load Depth: 3 (three) inches
  - 2. Material: Aluminum.
  - 3. Rung Spacing: 18 (eighteen) inches.
  - 4. Rung Width:
    - a. Top Two Rungs: 3 (three) inches.
    - b. Bottom Two Rungs: 9 (nine) inches.
  - 5. Type: Four tier.
  - 6. Length: Continuous for length of corridor, as indicated.
  - 7. Mounting: Wall mount, expansion anchor.
  - 8. Accessories: Cable Drop Outs, plastic rail end caps, couplings. Blind end plates, horizontal barriers with clips (between systems).

# 2.05 BEAM CLAMPS

- A. Manufacturers:
  - 1. Appleton.
  - 2. Midwest.
  - 3. Raco.
- B. Description: Malleable beam clamp, zinc plated steel.

# 2.06 BACKBOARDS

- A. Material: Plywood.
- B. Description: 4'x8'x3/4" AC fire rated plywood. Cut to fit.

# **END OF SECTION**

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# SECTION 27 05 53 IDENTIFICATION FOR COMMUNICATIONS SYSTEMS

## PART 1 GENERAL

#### 1.01 SUMMARY

- A. Section Includes:
  - Labels.
  - 2. Color Coding.
  - 3. Nomenclature.

# 1.02 REFERENCES

- A. ANSI/NFPA 70 National Electrical Code.
- B. EIA/TIA 606 The Administrative Standard for the Telecommunications Infrastructure of Commercial Buildings.

# PART 2 PRODUCTS

# 2.01 COLOR CODING

- A. Wire and Cable shall be factory color-coded by integral pigmentation with a separate color as scheduled hereafter.
- B. Color Coding Schedule:
  - 1. Horizontal Data Cable and Jacks (UTP): Blue.
  - 2. Backbone Data Cable (UTP): White.
  - 3. Backbone Fiber Optic Cable: Orange
  - 4. Horizontal Phone Cable and Jacks: Beige/Brown.
  - 5. Backbone Phone Cable: Grey.

# 2.02 LABELS

- A. Manufacturers:
  - 1. Panduit.
  - 2. Leviton.
  - 3. Siecor
- B. Cable and patch panel labels: Self-laminating adhesive polyester laser printer label. White background with black lettering. Nomenclature as specified hereafter.
- C. Cable Bundles: Non adhesive polyester laser labels with cable ties. White background with black lettering. Nomenclature as specified hereafter.
- D. Punch Down Blocks: Non-adhesive laser printer label. White background with black lettering.

#### 2.03 NOMENCLATURE

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- A. Outlets: Arrangement and inscriptions as specified herein and indicated on Drawings.
  - 1. Faceplate Label: Room Number-Outlet Tag (e.g. 202S1)
  - 2. Jack: Jack type- above (e.g. "Data", "Phone", "Video"), Port designation-below (e.g. "A").
- B. Horizontal Cable: IDF Closet-Room Number-Outlet Tag-Port Designation (e.g. "M-202-S1-A")

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**SYSTEMS** 

IDENTIFICATION FOR COMMUNICATIONS

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- 1. Cable bundles: IDF Closet-Room Numbers (e.g. M-202,6,8,12,14,18)
- C. Rack: Sequentially by number (e.g. "1")
- D. Rack Ports and Punch Down Blocks: Room Number-Outlet Tag-Port Designation (e.g. "202-S1-A").
- E. Backbone and Fiber Optic Cable: DF Closet(from)-IDF Closet(to)-pair number (e.g. M-1-1).

## 2.04 WARNING LABELS

- A. Manufacturers:
  - 1. Panduit.
  - 2. Brady.
  - 3. Siecor.
- B. Fiber Optic Cable: Vinyl, black lettering with yellow background label as "FIBER OPTIC".
- C. Fiber Optic Cable Terminations: Polyester, red and black lettering, silver background danger label conforming with TIA/EIA Section 6.2.4.

#### PART 3 EXECUTION

# 3.01 PREPARATION

A. Degrease and clean surfaces to receive nameplates and labels.

# 3.02 APPLICATION

- A. Install labels parallel to equipment lines.
- B. Locate labels at each cable end and bundle. Locate additional label at midpoint of each cable bundle and each cable pull location.
- C. Pre-print all labels at minimum 600 dpi resolution.
- D. Replace illegible or missing labels (for any reason) at contractor's sole expense up to final payment.
- E. Label all components in conformance with EIA/TIA 606 standard.
- F. Locate fiber optic warning label at twenty foot intervals along the length of the cable run.
  - 1. Locate fiber optic danger labels at each termination hardware location.
- G. Cable Schedule: Full size (Sheet E---) Post in prominent location at each wiring closet and cabinet. List incoming and outgoing cables and their designations, origins, and destinations. Protect with rigid frame and clear plastic cover.
  - 1. Provide electronic and paper copy of final comprehensive schedules for Project. Utilize software with full OLE capabilities to interface with Owner's available software. At Contractor's option, purchase software and license for Owner in lieu of OLE requirement.

### **END OF SECTION**

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# **SECTION 27 10 00** STRUCTURED CABLING

## PART 1 GENERAL

## 1.01 SECTION INCLUDES

- A. Communications system design requirements.
- B. Copper cable and terminations.
- C. Communications equipment room fittings.
- D. Communications outlets.

## 1.02 RELATED REQUIREMENTS

# 1.03 REFERENCE STANDARDS

- A. BICSI N1 Installation Practices for Telecommunications and ICT Cabling and Related Cabling Infrastructure, 1st Edition 2019.
- B. EIA/ECA-310 Cabinets, Racks, Panels, and Associated Equipment 2005e.
- C. NFPA 70 National Electrical Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- D. TIA-569 Telecommunications Pathways and Spaces 2019e.
- E. TIA-568-C.2 Balanced Twisted-Pair Telecommunications Cabling and Components Standards 2009, with Addendum (2016).
- F. TIA-569-D Telecommunications Pathways and Spaces 2015d, with Addendum (2016).
- G. TIA-606 Administration Standard for Telecommunications Infrastructure 2021d.
- H. TIA-607-C Generic Telecommunications Bonding and Grounding (Earthing) for Customer Premises 2015c, with Addendum (2017).
- I. UL 514C Nonmetallic Outlet Boxes, Flush-Device Boxes, and Covers Current Edition, Including All Revisions.
- J. UL 1863 Communications-Circuit Accessories Current Edition, Including All Revisions.

# 1.04 ADMINISTRATIVE REQUIREMENTS

# A. Coordination:

- 1. Coordinate requirements for service entrance and entrance facilities with Communications Service Provider.
- 2. Coordinate the work with other trades to avoid placement of other utilities or obstructions within the spaces dedicated for communications equipment.
- 3. Coordinate arrangement of communications equipment with the dimensions and clearance requirements of the actual equipment to be installed.
- 4. Notify Architect/Engineer of any conflicts with or deviations from the contract documents. Obtain direction before proceeding with work.

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# 1.05 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements, for submittal procedures.
- B. Product Data: Provide manufacturer's standard catalog pages and data sheets for each product.
- C. Field Test Reports.

## PART 2 PRODUCTS

# 2.01 SYSTEM DESIGN

- A. Provide a complete permanent system of cabling and pathways for voice and data communications, including cables, conduits and wireways, pull wires, support structures, enclosures and cabinets, and outlets.
  - 1. Provide connection devices that are rated for operation under conditions of 32 to 140 degrees F at relative humidity of 0 to 95 percent, noncondensing.
  - 2. In this project, the term plenum is defined as return air spaces above ceilings, inside ducts, under raised floors, and other air-handling spaces.
- B. Intermediate Distribution Frames (IDF): Support structures for terminating horizontal cables that extend to telecommunications outlets.
  - 1. Locate intermediate distribution frames as indicated on the drawings.
- C. Cabling to Outlets: Specified horizontal cabling, wired in star topology to distribution frame located at center hub of star; also referred to as "links".

# 2.02 COPPER CABLE AND TERMINATIONS

- A. Manufacturers:
  - 1. CommScope: www.commscope.com/#sle.
  - 2. General Cable Technologies Corporation: www.generalcable.com/#sle.
  - 3. Siemon Company: www.siemon.com/#sle.
  - 4. Hubbell Premise Wiring: www.hubbell.com.
  - 5. Substitutions: See Section 01 60 00 Product Requirements.
- B. Copper Horizontal Cable:
  - 1. Description: 100 ohm, balanced twisted pair cable complying with TIA-568-C.2 and listed and labeled as complying with UL 444.
  - 2. Cable Type Data: TIA-568-C.2 Category 6 UTP (unshielded twisted pair); 23 AWG.
  - 3. Cable Capacity: 4-pair.
  - 4. Cable Applications: Use listed NFPA 70 Type CMP plenum cable unless otherwise indicated.
  - 5. Cable Jacket Color -Data Cable: Blue.
  - 6. Product(s):
    - a. CommScope; SYSTIMAX Twisted Pair Cables; GigaSPEED XL Category 6 U/UTP Cable: www.commscope.com/#sle.
    - b. General Cable Technologies Corporation; GenSPEED Cables: www.generalcable.com/#sle.
    - c. Hubbell Premise Wiring; NEXTSPEED Link 6 UTP Cables: www.hubbell.com.
- C. Copper Cable Terminations: Insulation displacement connection (IDC) type using appropriate tool; use screw connections only where specifically indicated.

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- D. Jacks and Connectors: Modular RJ-45, non-keyed, terminated with 110-style insulation displacement connectors (IDC); high impact thermoplastic housing; suitable for and complying with same standard as specified horizontal cable; UL 1863 listed.
  - 1. Performance: 500 mating cycles.
  - 2. Voice and Data Jacks: 8-position modular jack, color-coded for both T568A and T568B wiring configurations.
  - 3. Product(s):
    - a. Hubbell Premise Wiring; Xcelerator Category 6 Jack: www.hubbell.com.

# 2.03 COMMUNICATIONS EQUIPMENT ROOM FITTINGS

- A. Copper Cross-Connection Equipment:
  - 1. Manufacturers:
    - a. Hubbell Premise Wiring: www.hubbell.com.
    - b. Substitutions: See Section 01 60 00 Product Requirements.
  - 2. Patch Panels for Copper Cabling: Sized to fit EIA/ECA-310 standard 19 inch wide equipment racks; 0.09 inch thick aluminum; cabling terminated on Type 110 insulation displacement connectors; printed circuit board interface.
    - a. Jacks: Non-keyed RJ-45, suitable for and complying with same standard as cable to be terminated; maximum 24 ports per standard width panel.
    - b. Labels: Factory installed laminated plastic nameplates above each port, numbered consecutively; comply with TIA-606.
    - c. Provide incoming cable strain relief and routing guides on back of panel.
  - 3. Product(s):
    - a. Hubbell Premise Wiring; iStation HDPJ High Density Jack Panels: www.hubbell.com.

# 2.04 COMMUNICATIONS OUTLETS

- A. Manufacturers:
  - 1. Hubbell Premise Wiring: www.hubbell.com.
- B. Outlet Boxes:
  - 1. Provide depth as required to accommodate cable manufacturer's recommended minimum conductor bend radius.
- C. Wall Plates:
  - 1. Comply with system design standards and UL 514C.
  - 2. Accepts modular jacks/inserts.
  - 3. Capacity:
    - a. Data or Combination Voice/Data Outlets: 2 ports.
  - 4. Wall Plate Material/Finish Flush-Mounted Outlets: High impact thermoplastic, color to be selected.
  - 5. Product(s):
    - a. Hubbell Premise Wiring; netSELECT Wallplates: www.hubbell.com.

# 2.05 IDENTIFICATION PRODUCTS

A. Comply with TIA-606.

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#### PART 3 EXECUTION

#### 3.01 INSTALLATION - GENERAL

- A. Comply with latest editions and addenda of TIA-568 (SET) (cabling), TIA-569-D (pathways), TIA-607-C (grounding and bonding), NECA/BICSI 568, NFPA 70, and SYSTEM DESIGN as specified in PART 2.
- B. Comply with Communication Service Provider requirements.

# 3.02 INSTALLATION OF EQUIPMENT AND CABLING

- A. Cabling:
  - 1. Do not bend cable at radius less than manufacturer's recommended bend radius; for unshielded twisted pair use bend radius of not less than 4 times cable diameter.
  - 2. Do not over-cinch or crush cables.
  - 3. Do not exceed manufacturer's recommended cable pull tension.
  - 4. When installing in conduit, use only lubricants approved by cable manufacturer and do not chafe or damage outer jacket.
- B. Service Loops (Slack or Excess Length): Provide the following minimum extra length of cable, looped neatly:
  - 1. At Distribution Frames: 120 inches.
  - 2. At Outlets Copper: 12 inches.
- C. Copper Cabling:
  - 1. For 4-pair cables in conduit, do not exceed 25 pounds pull tension.
  - 2. Use T568B wiring configuration.
- D. Identification:
  - 1. Use wire and cable markers to identify cables at each end.
  - 2. Use manufacturer-furnished label inserts, identification labels, or engraved wallplate to identify each jack at communications outlets with unique identifier.
  - 3. Use identification nameplate to identify cross-connection equipment, equipment racks, and cabinets.

#### 3.03 FIELD QUALITY CONTROL

- A. See Section 01 40 00 Quality Requirements, for additional requirements.
- B. Comply with inspection and testing requirements of specified installation standards.
- C. Visual Inspection:
  - 1. Inspect cable jackets for certification markings.
  - 2. Inspect cable terminations for color coded labels of proper type.
  - 3. Inspect outlet plates and patch panels for complete labels.
- D. Testing Copper Cabling and Associated Equipment:
  - 1. Test backbone cables after termination but before cross-connection.
  - 2. Test backbone cables for DC loop resistance, shorts, opens, intermittent faults, and polarity between connectors and between conductors and shield, if cable has overall shield.
  - 3. Category 5e and Above Links: Perform tests for wire map, length, attenuation, NEXT, and propagation delay.

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E. Final Testing: After all work is complete, including installation of telecommunications outlets, and telephone dial tone service is active, test each voice jack for dial tone.

# **END OF SECTION**

# SECTION 28 10 00 ACCESS CONTROL

## PART 1 GENERAL

## 1.01 SECTION INCLUDES

- A. Access control system requirements.
- B. Security Management System (SMS).
- C. Security field controllers.

### 1.02 RELATED REQUIREMENTS

- A. Section 08 11 13 Hollow Metal Doors and Frames.
- B. Section 08 43 13 Aluminum-Framed Storefronts.
- C. Section 08 71 00 Door Hardware: Electrically operated door hardware, for interface with access control system.
- D. Section 23 09 23 Direct-Digital Control System for HVAC: Building automation system.
- E. Section 26 05 83 Wiring Connections

# 1.03 REFERENCE STANDARDS

- A. NECA 1 Standard for Good Workmanship in Electrical Construction 2015.
- B. NFPA 70 National Electrical Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- C. UL 294 Access Control System Units Current Edition, Including All Revisions.

# 1.04 ADMINISTRATIVE REQUIREMENTS

#### A. Coordination:

- 1. Coordinate the work with other installers to provide suitable door hardware as required for both access control functionality and code compliance.
- 2. Coordinate the placement of readers with millwork, furniture, equipment, etc. installed under other sections or by others.
- 3. Coordinate the work with other installers to provide power for equipment at required locations.

# B. Preinstallation Meetings:

- 1. Conduct meeting with facility representative to review reader and equipment locations.
- 2. Conduct meeting with facility representative and other related equipment manufacturers to discuss access control system interface requirements.

# 1.05 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements, for submittal procedures.
- B. Shop Drawings: Include plan views indicating locations of system components and proposed size, type, and routing of conduits and/or cables. Include elevations and details of proposed equipment arrangements. Include system interconnection schematic diagrams. Include requirements for interface with other systems.

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- C. Product Data: Provide manufacturer's standard catalog pages and data sheets for each system component. Include ratings, configurations, standard wiring diagrams, dimensions, finishes, service condition requirements, and installed features.
- D. Test Reports: Indicate satisfactory completion of required tests and inspections.
- E. Certification: The installer shall Furnish, in writing, proof of compliance with system manufacturer's service and installation certification programs.
- F. Manufacturer's Installation Instructions: Indicate application conditions and limitations of use stipulated by product testing agency. Include instructions for storage, handling, protection, examination, preparation, installation, and starting of system.
- G. Project Record Documents: Record actual locations of system components and installed wiring arrangements and routing.
- H. Operation Data: Operating instructions.
- I. Maintenance Data: Maintenance and repair procedures.
- J. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
  - 1. See Section 01 60 00 Product Requirements, for additional provisions.
  - 2. One (1) credential (key card or fob as directed by Owner) per authorized employee plus 50 additional credentials, preprogrammed to be fully functional within the SMS.
    - a. Deliver blank credentials to Owner as directed.

## 1.06 QUALITY ASSURANCE

- A. Comply with the following:
  - 1. NFPA 70.
  - 2. The requirements of the local authorities having jurisdiction.
  - 3. Applicable TIA/EIA standards.
- B. Conform to requirements of NFPA 70.
- C. Manufacturer Qualifications: Firms with a minimum of 5 years experience in manufacturing equipment of the type and capacities indicated that have a record of successful in-service performance. The prime system manufacturer shall maintain a service center capable of providing training, parts, and emergency maintenance and repairs for the overall system.
- D. Manufacturer's Field Representative: Factory representative to be fully certified for all system components and possess minimum 2 years document system design / application experience.
- E. Installer Qualifications: Factory authorized sales and service representative for the system submitted. Installer must be capable of providing emergency maintenance and repairs of the overall system at the project site within 24 hours maximum response time. The installer shall have a local office staffed with factory trained technicians, fully capable of supervising installation, system start-up, providing training and servicing of both hardware and software for systems of similar complexity and function as the system described in this specification.
  - Installing contractor shall be licensed in the State of Illinois to provide the service and equipment described herein. Proof of license(s) must be submitted to the architect prior to award of contract.

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- F. Products: Furnish products listed and classified by Underwriters Laboratories Inc. as suitable for purpose specified and indicated.
- G. Within six (6) months of substantial completion, provide optional maintenance contract for ongoing service and maintenance of SMS to Owner. Contract acceptance shall be at the sole discretion of the Owner.

### PART 2 PRODUCTS

# 2.01 MANUFACTURERS

- A. Access Control Units Basis of Design: HONEYWELL PROWATCH 3000 SYSTEM.
- B. Readers and Keypads Basis of Design: HID Global.
- C. Basis of Design:

#### 2.02 ACCESS CONTROL SYSTEM REQUIREMENTS

- A. Provide products listed, classified, and labeled as suitable for the purpose intended.
  - 1. Access Control Units and Readers: Listed and labeled as complying with UL 294.

# 2.03 ACCESS CONTROL POINT PERIPHERALS

A. Door Locking Devices (Electric Strikes and Magnetic Locks): Comply with Section 08 71 00.

# 2.04 COMPONENTS (BASIS OF DESIGN)

- A. Products: Provide products listed and classified by Underwriters Laboratories Inc. (UL 294) as suitable for purpose specified and indicated.
- B. Encoded Readers:
  - 1. Manufacturer: HID Global: www.hidglobal.com.
  - 2. Product: iCLASS SE R40.
    - a. Provide manufacturer's standard kit for glazed side lite mounting applications where indicated on drawings.
    - b. Provide R for mullion mount applications where indicated on drawings.
- C. Encoded Controllers:
  - Product: HONEYWELL PROWATCH PW5K1R2 PW-5000 SERIES DUAL READER MODULES.
- D. Electric Strikes:
  - 1. As specified in Section 08 71 00.
- E. Door Contacts: Concealed type, unless noted otherwise.
  - 1. Manufacturer: General Electric Company: www.gesecurity.com.
  - 2. Product: Sentrol 1078 Series.
    - a. Manufacturer's standard finish matched as closely as possible to final frame color.
  - 3. Provide Sentrol Series 2300 for overhead doors.

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#### PART 3 EXECUTION

## 3.01 EXAMINATION

- A. Verify that field measurements are as indicated.
- B. Verify that ratings and configurations of system components are consistent with the indicated requirements.
- C. Verify that mounting surfaces are ready to receive system components.
- D. Verify that branch circuit wiring installation is completed, tested, and ready for connection to system.
- E. Verify that conditions are satisfactory for installation prior to starting work.

## 3.02 COORDINATION OF TRADES

- A. Coordinate system installation with related trades including, but not limited to, electrical contractor and carpentry contractor.
  - 1. Coordinate installation of electrified door hardware.
  - 2. Coordinate acquisition of electrical installation instructions with carpentry contractor and electrical contractor.
- B. SMS contractor to be in attendance at project meetings to arrange coordination of related trades prior to construction of masonry walls.
- C. Prior to construction of masonry walls, coordinate location of conduit stubs and related electrical rough-in components for SMS installed by electrical contractor.
- D. Obtain electrical instructions and related electrical door hardware components to ensure coordination of electrified door hardware with electrical systems.
- E. Act as liaison between trades performing work in Related Section to ensure all documents and accessories related to the SMS are provided in such a manner as to ensure smooth installation and commissioning of the SMS.

## 3.03 INSTALLATION

- A. Install access control system in accordance with NECA 1 (general workmanship).
- B. Install components and commission system in accordance with manufacturer's specifications, recommendations and instructions.
- C. Wiring Method: Unless otherwise indicated, use cables (not in conduit).
  - 1. Use suitable listed cables in wet locations, including underground raceways.
  - 2. Use suitable listed cables for vertical riser applications.
  - 3. Use listed plenum rated cables in spaces used for environmental air.
  - 4. Use power transfer hinges complying with Section 08 71 00 for concealed connections to door hardware.
  - 5. Route exposed cables parallel or perpendicular to building structural members and surfaces.
  - 6. Do not exceed manufacturer's recommended maximum cable length between components.
- D. Install low voltage wire and make low voltage wiring connections to electrified door hardware devices.

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- 1. Conduit within doors to be provided by door manufacturer.
- E. Provide wire sized according to component manufacturer's requirements and recommendations, including those for electrified locking hardware.
- F. Install power supplies for electrified door hardware.

## 3.04 FIELD QUALITY CONTROL

- A. See Section 01 40 00 Quality Requirements, for additional requirements.
- B. Manufacturer Services: Furnish services of technician to supervise installation, adjustments, final connections, system testing and commissioning, and to train Owner personnel.
- C. Prepare and start system in accordance with manufacturer's instructions.
- D. Program system parameters according to requirements of Owner.
- E. Test for proper interface with other systems.

## 3.05 CLOSEOUT ACTIVITIES

A. See Section 01 78 00 - Closeout Submittals, for closeout submittals.

**END OF SECTION** 

**SECTION 28 10 00** Project No. 23-471-1466 28 10 00 - 5 ACCESS CONTROL

## **SECTION 28 46 00** FIRE DETECTION AND ALARM

## PART 1 GENERAL

#### 1.01 SECTION INCLUDES

- A. Modifications to existing fire alarm system, including all components, wiring, and conduit.
- B. Replacement and removal of existing fire alarm system components, wiring, and conduit indicated.

## 1.02 RELATED REQUIREMENTS

- A. Section 08 71 00 Door Hardware: Electrically operated locks and door holder devices to be monitored and released by fire alarm system.
- B. Section 21 13 00 Fire-Suppression Sprinkler Systems: Supervisory, alarm, and actuating devices installed in sprinkler system.

## 1.03 REFERENCE STANDARDS

- A. 36 CFR 1191 Americans with Disabilities Act (ADA) Accessibility Guidelines for Buildings and Facilities; Architectural Barriers Act (ABA) Accessibility Guidelines current edition.
- B. ADA Standards 2010 ADA Standards for Accessible Design 2010.

## 1.04 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements, for submittal procedures.
- B. Evidence of designer qualifications.
- C. Shop Drawings: Submit all information required for plan review and permitting by authorities having jurisdiction, including but not limited to floor plans, riser diagrams, and description of operation:
  - 1. Shop drawing submitted to Architect/Engineer shall be approved and signed by the authority having jurisdiction.
  - 2. Submit point-to-point and single line wiring diagrams showing the point of connection and terminals used for all field connections.
  - 3. Submit diagrams showing all connections from field devices to control panel.
    - a. Include a detailed description of the control panel as it shall operate for this specific installation.
  - 4. Submit field wiring color-coding legend.
  - 5. Submit control panel interior wiring diagram.
  - 6. Indicate existing wiring arrangements and locations of devices and wiring routing.
  - 7. Copy (if any) of list of data required by authority having jurisdiction.
  - 8. NFPA 72 "Record of Completion", filled out to the extent known at the time.
  - 9. Location of all components, circuits, and raceways; mark components with identifiers used in control unit programming.
  - 10. Manufacturer's detailed data sheet for each component, including wiring diagrams, installation instructions, circuit length limitations, dimensions, ratings, layouts and complete catalog numbers.
    - a. Submit UL listings with cross-listing substantiation for each system component clearly marked.

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- 11. Description of power supplies; if secondary power is by battery include calculations demonstrating adequate battery power.
- 12. Certification by either the manufacturer of the control unit or by the manufacturer of each other component that the components are compatible with the control unit.
- 13. Certification by the manufacturer of the control unit that the system design complies with Contract Documents.
- 14. Certification by Contractor that the system design complies with Contract Documents.
- 15. Do not show existing components to be removed.
- D. Evidence of installer qualifications.
- E. Evidence of instructor qualifications; training lesson plan outline.
- F. Evidence of maintenance contractor qualifications, if different from installer.
- G. Inspection and Test Reports:
  - 1. Submit inspection and test plan prior to closeout demonstration.
  - 2. Submit documentation of satisfactory inspections and tests.
  - 3. Submit NFPA 72 "Inspection and Test Form," filled out.
- H. Project Record Documents: See Section 01 78 00 for additional requirements; have one set available during closeout demonstration:
  - 1. Complete set of floor plans showing actual installed locations of components, conduit, and zones.
  - 2. "As installed" wiring and schematic diagrams, with final terminal identifications.
  - 3. "As programmed" operating sequences, including control events by device, updated input/output chart, and voice messages by event.
- I. Closeout Documents:
  - 1. Certification by manufacturer that the system has been installed in compliance with manufacturer's installation requirements, is complete, and is in satisfactory operating condition.
  - 2. NFPA 72 "Record of Completion", filled out completely and signed by installer and authorized representative of authority having jurisdiction.

#### 1.05 QUALITY ASSURANCE

- A. Designer: Qualified employee of fire alarm control panel manufacturer, Contractor, or installer, with experience designing fire alarm systems in the jurisdictional area of the authorities having jurisdiction.
  - 1. Delegated Engineering Responsibility: Provide design services necessary to modify initiating device circuits, notification circuits and affected control panels and power supplies. Provide all necessary drawings and specification to local authority having jurisdiction for approval to modify this existing system as intended.
- B. Manufacturer: Qualified company specializing in smoke detection and fire alarm systems with five years documented experience.
- C. Installer: Qualified firm with minimum 5 years documented experience installing fire alarm systems of the specified type and providing contract maintenance service as a regular part of their business.
  - 1. Authorized representative of control unit manufacturer; submit manufacturer's certification that installer is authorized; include name and title of manufacturer's representative making certification.

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- 2. Installer Personnel: At least 2 years of experience installing fire alarm systems.
- 3. Supervisor: NICET level III or IV (3 or 4) certified fire alarm technician; furnish name and address.
- D. Maintenance Contractor: Same entity as installer or different entity with specified qualifications.
- E. Instructor Qualifications: Experienced in technical instruction, understanding fire alarm theory, and able to provide the required training; trained by fire alarm control unit manufacturer.
- F. Qualified personnel includes those persons that are:
  - 1. Factory trained and certified; OR
  - 2. NICET Level III or IV (3 or 4) Fire Alarm certified; OR
  - 3. International Municipal Signal Association Fire Alarm certified; OR
  - 4. Certified by state (Illinois Department of Professional Regulation); OR
  - 5. Trained, qualified, and employed by an organization listed by a national testing laboratory.

## 1.06 WARRANTY

- A. Provide control panel manufacturer's warranty that system components other than wire and conduit are free from defects and will remain so for 1 year after date of Substantial Completion.
- B. Provide installer's warranty that the installation is free from defects and will remain so for 1 year after date of Substantial Completion.
- C. Contractor shall, as condition precedent to final payment, execute a written guaranty to the Owner. Materials and equipment furnished by him under this Contract shall remain in satisfactory operating condition for a period of one year from the date of the final acceptance of the Work by the Owner. The guaranty shall also include prompt emergency service. All defects or damages due to faulty materials or workmanship shall be repaired or replaced without delay to the Owner's satisfaction and at the Contractor's expense.

#### 1.07 MAINTENANCE

- A. Submit Under Provisions of Section 01 78 00.
- B. Include operating instructions, and maintenance and repair procedures.
- C. Provide a one year full maintenance and inspection service from date of Final Acceptance. Conform to maintenance and inspection service requirements of NFPA 72.
- D. Provide a one year supervising station monitoring service from date of Final Acceptance.

## 1.08 EXISTING CONDITIONS

- A. The existing fire alarm system control panel is a SimplexGrinell 4100U Addressable System.
  - The existing control panel will be modified and expanded to feed new devices as shown on the floor plans.
  - 2. Provide new equipment compatible with existing devices and system at site.

## PART 2 PRODUCTS

## 2.01 MANUFACTURERS

- A. Initiating Devices and Notification Appliances:
  - 1. Same manufacturer as control units.

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- 2. Provide initiating devices and notification appliances made by the same manufacturer, where possible.
- B. Substitutions: See Section 01 60 00 Product Requirements.

#### 2.02 FIRE ALARM SYSTEM

- A. Fire Alarm System: Provide modifications and extensions to the existing automatic fire detection and alarm system:
  - 1. Provide all components necessary, regardless of whether shown in Contract Documents or not.
  - 2. Protected Premises: Areas denoted on the drawings.
  - 3. Comply with the following; where requirements conflict, order of precedence of requirements is as listed:
    - a. ADA Standards.
    - b. The requirements of the local authority having jurisdiction which is City of Geneva.
    - c. Applicable local codes.
    - d. Contract Documents (drawings and specifications).
    - e. NFPA 72; where the word "should" is used consider that provision mandatory; where conflicts between requirements require deviation from NFPA 72, identify deviations clearly on design documents.
  - 4. Evacuation Alarm: Single smoke zone; general evacuation of entire premises.
  - 5. Zoning: Point addressable system with initiating devices being individually zoned.
  - 6. Existing Control Panel: Make modifications to the existing panel:
    - a. Additional Power Supplies: Adequate to serve control panel modules, remote detectors, keypads, door holders, relays and alarm signaling devices. Include battery-operated emergency power supply with capacity for operating system in standby mode for 60 hours followed by alarm mode for 5 minutes.
- B. Supervising Stations and Fire Department Connections:
  - 1. Existing connections to remain.
- C. Circuits:
  - 1. Initiating Device Circuits (IDC): Class B, Style A.
  - 2. Signaling Line Circuits (SLC) Within Single Building: Class B, Style 0.5.
  - 3. Notification Appliance Circuits (NAC): Class B, Style W.
  - 4. All cabling shall be plenum rated.
- D. Spare Capacity:
  - 1. Initiating Device Circuits: Minimum 25 percent spare capacity.
  - 2. Notification Appliance Circuits: Minimum 25 percent spare capacity.
  - 3. Fire Alarm Control Units: Capable of handling all circuits utilized to capacity without requiring additional components other than plug-in control modules.
- E. Power Sources:
  - 1. Primary: Dedicated branch circuits of the facility power distribution system.
  - 2. Secondary: Storage batteries.
  - 3. Capacity: Sufficient to operate entire system for period specified by NFPA 72.
  - 4. Each Computer System: Provide uninterruptible power supply (UPS).

## 2.03 EXISTING COMPONENTS

- A. Clearly label components that are "Not In Service."
- B. Remove unused existing components and materials from site and dispose of properly.

## 2.04 FIRE SAFETY SYSTEMS INTERFACES

#### A. HVAC:

1. Duct Smoke Detectors: Close dampers indicated; shut down air handlers indicated.

## 2.05 COMPONENTS

#### A. General:

- 1. Provide flush mounted units where installed in finish areas; in unfinished areas, surface mounted unit are acceptable.
- 2. Provide legible, permanent labels for each control device, using identification used in operation and maintenance data.
- B. Fire Alarm Power Supplies, Initiating Devices, and Notification Appliances: Analog, addressable type; listed by Underwriters Laboratories as suitable for the purpose intended.

## C. Notification Appliances:

- 1. Combination Horn/Strobes: NFPA 72 and UL 1971; electronic horn rated 90 dBA average at 10 feet. Provide integral 110 candela strobe lamp and flasher. Provide red trim ring for semi-flush mounting. Synchronize strobes within site of each other. Compatible with control panel.
- Strobes: NFPA 72 and UL 1971; Provide integral 110 candela strobe lamp and flasher. Provide red trim ring for semi-flush mounting. Synchronize strobes within site of each other. Compatible with control panel.

## D. Zone Module Interface:

 Single zone interface module shall provide an addressable input interface to the control panel for monitoring normally open contact devices. Mount inside NEMA 1 enclosure within 10 feet of first monitored device of zone. Compatible with control panel.

## E. Control Relay Module:

- 1. Programmable control relay shall be located within 10' of device to be controlled. Temporal sound pattern. Audio shall be synchronized.
- F. Circuit Conductors: Copper or optical fiber; provide 200 feet extra; color code and label.

## PART 3 EXECUTION

## 3.01 EXAMINATION AND PREPARATION

- A. Field inspect existing fire alarm system installation to determine all required interface components necessary for fire alarm system replacement and relocation.
- B. Perform repair work on existing system to eliminate trouble conditions.

## 3.02 INSTALLATION

- A. Install in accordance with applicable codes, NFPA 72, NFPA 70, and Contract Documents.
- B. Install fire alarm system in accordance with manufacturer's instructions.

Project No. 23-471-1466 28 46 00 - 5 SECTION 28 46 00

- 1. Install manual station with operating handle 4 feet above floor. Install horn strobe units 7.5 feet above floor.
- C. Conceal all wiring, conduit, boxes, and supports where installed in finished areas.
- D. Obtain Owner's approval of locations of devices, before installation.
- E. Install instruction cards and labels.

## 3.03 INSPECTION AND TESTING FOR COMPLETION

- A. Perform field inspection and testing of fire alarm system in accordance with Section 01 78 00.
- B. Notify Owner 7 days prior to beginning completion inspections and tests.
- C. Notify authorities having jurisdiction and comply with their requirements for scheduling inspections and tests and for observation by their personnel.
- D. Provide the services of the installer's supervisor or person with equivalent qualifications to supervise inspection and testing, correction, and adjustments.
- E. Prepare for testing by ensuring that all work is complete and correct; perform preliminary tests as required.
- F. Provide all tools, software, and supplies required to accomplish inspection and testing.
- G. Perform inspection and testing in accordance with NFPA 72 and requirements of local authorities; document each inspection and test.
  - 1. Include description of testing and results in test report.
  - 2. Perform 100 percent acceptance test to NFPA 72 standards on system.
- H. Correct defective work, adjust for proper operation, and retest until entire system complies with Contract Documents.

## 3.04 MANUFACTURER'S FIELD SERVICES

A. Include services of technician to supervise installation, adjustments, final connections, and system testing.

## 3.05 CLOSEOUT

- A. Closeout Demonstration: Demonstrate proper operation of all functions to Owner.
  - 1. Be prepared to conduct any of the required tests.
  - 2. Have at least one copy of operation and maintenance data, preliminary copy of project record drawings, input/output matrix, and operator instruction chart(s) available during demonstration.
  - 3. Have authorized technical representative of control unit manufacturer present during demonstration.
  - 4. Demonstration may be combined with inspection and testing required by authority having jurisdiction; notify authority having jurisdiction in time to schedule demonstration.
  - 5. Repeat demonstration until successful.
- B. Substantial Completion of the project cannot be achieved until inspection and testing is successful and:
  - 1. Approved operating and maintenance data has been delivered.
  - 2. Spare parts, extra materials, and tools have been delivered.

Project No. 23-471-1466 28 46 00 - 6 SECTION 28 46 00 Copyright 2023 by KLUBER, INC.; All Rights Reserved FIRE DETECTION AND ALARM

- 3. All aspects of operation have been demonstrated to Owner.
- 4. Final acceptance of the fire alarm system has been given by authorities having jurisdiction.
- C. Perform post-occupancy instruction within 3 months after Substantial Completion.

## **END OF SECTION**

#### Notice

[Closed Bid]

Project Number 23-037 KC Sheriff's Office Renovation Project
Title Bid 23-037 Sheriff's Office Renovation Project

**Basic Information** 

Reference Number 0000323432 Issuing Organization Kane County

**Owner Organization** 

Project Type IFB - Invitation for Bid (Formal)

Project Number23-037 KC Sheriff's Office Renovation ProjectTitleBid 23-037 Sheriff's Office Renovation Project

**Source ID** PU.AG.USA.1985140.C12442026

Piggyback Solicitation No

**Details** 

**Location** Kane County, Illinois

**Dates** 

**Publication** 06/22/2023 08:57 AM CDT

Bid Intent Not Available

Question Acceptance Deadline 07/12/2023 03:00 PM CDT

Questions are submitted online No

Closing Date 07/20/2023 03:30 PM CDT

Prebid Conference 07/11/2023 10:30 AM CDT

**Contact Information** 

Tim Keovongsak 630-232-5929

keovongsaktimothy@co.kane.il.us

**Description** The County of Kane is accepting competitive sealed bids from qualified and

experienced General Contractor(s) for the Kane County Sheriff's Office Administration wing improvement and renovation project in accordance with the architectural outline specifications, plans, drawings, and requirements.

The Project consists of the construction of selective demolition, masonry work, steel lintels, doors and glazing, drywall, painting, flooring, ceilings, electrical, plumbing, HVAC, fire suppression, and specialties equipment. This is a

prevailing wage project.

**Bonding Requirements** 

 - Bid Bond
 5.00 %

 - Performance Bond
 100.00 %

 - Labor and Materials Bond
 100.00 %

 - Payment Bond
 100.00 %

**Pre-Bidding Events** 

Event Type Prebid Conference
Attendance Recommended

**Event date** 07/11/2023 10:30 AM CDT

Location Kane County Sheriff's Office - 37W755 IL. Route 38. St. Charles, IL 60175

Event Note Lobby Entrance

**Bid Submission Process** 

Bid Submission Type Electronic or Physical Bid Submission

Pricing In attached document
Pricing In attached document

Bid Documents List

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Addendum No: 1 (Published)

Item Name	Description	Mandatory	Limited to 1 file
Bid Documents	Documents defining the proposal	Yes	No

**Additional Bidding Instructions** 

PRE-BID SITE MEETING:

10:30 a.m., Tuesday, July 11, 2023 Kane County Kane County Sheriff's

Office

37W755 IL-38 St. Charles, IL 60175

All questions pertaining to this bid and/or the scope of services should be directed to the Purchasing Office as listed on the cover sheet NO LATER THAN, July 12, 2023 at 3:00 p.m., FAX AND E-MAIL ACCEPTED. FAX to (630) 208-5107 or E-mail:purchasing@co.kane.il.us

ATTACHMENTS: PROJECT MANUAL FOR NEW ADMINISTRATION WING PROJECT NO. 23-471-1466 (Dated May 5, 2023) & DRAWING.

ARCHITECT / ENGINEER:

KLUBER, INC. 41 W. BENTON STREET AURORA, ILLINOIS 60506

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## Categories

## **Selected Categories**

NIGP Categorie	s (5)
909	BUILDING CONSTRUCTION SERVICES, NEW (INCL. MAINTENANCE AND REPAIR SERVICES)
90924	Building Construction, Commercial and Institutional Building Construction, Commercial and Institutional
90900	BUILDING CONSTRUCTION SERVICES, NEW (INCL. MAINTENANCE AND REPAIR SERVICES)
90922	Building Construction, Non-Residential (Office Bldg., etc.) Building Construction, Non-Residential (Office Bldg., etc.)
90921	Building Construction, Industrial (Warehouse, etc.) Building Construction, Industrial (Warehouse, etc.)
906	ARCHITECTURAL SERVICES, PROFESSIONAL
90638	General Construction - Architectural General Construction - Architectural

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## Document Request List

## Plan Holders List

Organization Name	Main Contact	Download Date	City	Province/State
Main Architecture	Jean Pluta	07/14/2023 01:53 PM CDT	Chicago	Illinois
Intelligent Conservation Systems, Inc.	Michael Campbell	07/14/2023 01:02 PM CDT	Oviedo	Florida
CCC Holdings, Inc.	Tina Royse	07/12/2023 11:01 AM CDT	Tinley Park	Illinois
Kluber Architects + Engineers	Kelsey Skager	07/11/2023 12:45 PM CDT	Aurora	Illinois
kane county	Michele Matuszak	07/10/2023 08:39 PM CDT	Geneva	Illinois
Doherty Construction, INc.	Cory Entzminger	07/10/2023 03:11 PM CDT	Woodstock	Illinois
Benton Plumbing	Thomas Benton	07/10/2023 01:24 PM CDT	Atlanta	Georgia
Government Services Exchange	Alec Saputo	07/03/2023 08:26 AM CDT	Clearwater	Florida
Metalmaster Roofmaster	Estimating Department	06/29/2023 05:29 PM CDT	McHenry	Illinois
Chicagoland	Bo Kim	06/29/2023 01:04 PM CDT	Peoria	Illinois
Kandu Construction Inc.	Jacob Kandu	06/29/2023 10:16 AM CDT	Skokie	Illinois
Securitas Technology	Mickey Wydick	06/29/2023 09:22 AM CDT	Fishers	Indiana
Drill Tech Drilling & Shoring Inc	Chyenne Creson	06/28/2023 10:47 AM CDT	Antioch	California
Jojalis Corporation	Charlie Rosenstein	06/27/2023 02:41 PM CDT	Plainview	New York
DataBid	Kristan Nalley	06/26/2023 07:15 PM CDT	Newtown	Pennsylvania
RoMAAS, Inc.	Alexandru Mihailescu	06/26/2023 06:19 PM CDT	Glen Ellyn	Illinois
Axent Solutions	Jon Wahler	06/26/2023 12:09 PM CDT	Lisle	Illinois
G. Fisher Commercial Construction	Heather Bownes	06/26/2023 11:10 AM CDT	Montgomery	Illinois
Commercial Mechanical Inc	Rachel Baker	06/26/2023 10:37 AM CDT	Dunlap	Illinois
Straub Builders Inc dba Hargrave Builders Inc	Mary Comiskey	06/26/2023 09:32 AM CDT	South Elgin	Illinois
School Wholesale Supplies LLC	JP DAS	06/26/2023 04:49 AM CDT	Nashville	Tennessee
MRRW Construction	Michael Russ	06/23/2023 02:22 PM CDT	Montgomery	Illinois
Leopardo Companies	Colm Hughes	06/23/2023 09:05 AM CDT	Hoffman Estates	Illinois
Ostrander Construction, Inc.	Connor Ostrander	06/23/2023 06:28 AM CDT	Downers Grove	Illinois
Construction Journal	Construction Journal	06/23/2023 12:06 AM CDT	Stuart	Florida
ePlan	ePlan Reporter	06/22/2023 03:04 PM CDT	Columbia	Missouri
R.L. Sohol General Contractor, Inc.	Dan Matzen	06/22/2023 12:51 PM CDT	Plainfield	Illinois
Allied Solutions	Jason Collier	06/22/2023 11:23 AM CDT	Carmel	Indiana
Lite Construction Inc.	John Campbell	06/22/2023 10:28 AM CDT	Montgomery	Illinois
Reed Construction	Raymond Lefebvre	06/22/2023 10:21 AM CDT	Chicago	Illinois
Manusos General Contracting, Inc.	Estimating Department	06/22/2023 10:01 AM CDT	Fox Lake	Illinois

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Addendum No: 1 (Published)

Organization Name	Main Contact	Download Date	City	Province/State
North America Procurement Council, Inc. PBC	Tim Loncarich	06/22/2023 10:01 AM CDT	Grand Junction	Colorado
John Keno & Construction Inc	Riley Barron	06/22/2023 09:14 AM CDT	Chicago	Illinois
Industria, Inc	Neil Francis	06/22/2023 09:05 AM CDT	Des Plaines	Illinois

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Addendum No: 1 (Published)



Thank you for your interest in our bid opportunities and we welcome you to submit a response. Please be sure to review and comply with all specifications and requirements.

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June 12, 2023

Edward Catich Kane County Sheriff's Office 37W755 IL- 38 Suite A St. Charles, IL 60175

Re: Kane County Sheriff – Office Renovation – Construction Administration Services

Kluber, Inc. Proposal No. 230612.01

Dear Mr. Catich:

Thank you for the opportunity to present this Proposal for Professional Services for the above referenced Project. It is our understanding that Kane County Sheriff desires to hire Kluber to perform Bidding/Negotiation and Construction Administration Phase Basic Services for the Sheriff's office renovation project.

#### **OVERVIEW OF PROJECT SCOPE**

The Project consists of the management of the Basic Service phases of the Bidding/Negotiations and the Construction Administration phases of the Project which Kluber has completed and prepared the Construction Documents for the interior modifications.

## **INITIAL INFORMATION**

- The anticipated Project schedule is to be determined as mutually agreed, but it is Kluber's understanding that
  the total duration of the Bidding/Negotiation and Construction phase of the project will take approximately 7
  months
- The intended Project delivery method is a single contract for General Construction; single bid package.
- The Owner's representative for the Project will be Edward Catich.
- Kluber, Inc.'s representative for the Project will be Charli Johnsos.

The foregoing is based on our conversations with you over the past few weeks and the recently completed Construction Documents prepared by our office dated 05/05/2023.

#### **BASIC SERVICES**

Kluber, Inc. proposes to provide usual and customary architectural and engineering Basic Services for the Project as set forth in the standardized *AIA B101 - 2017 Standard Form of Agreement between Owner and Architect*, and in accordance with the general understandings applicable to our relationship with you, with limitations as follows:

## Bidding Phase: (Assumption is 2 month duration)

- Assist Owner in contacting potential bidders for Project.
- Prepare agenda and attend pre-bid meeting.
- Respond to contractor questions during bidding.
- Issue addenda (if required).
- Attend bid opening.
- Perform contractor bid review evaluations.
- Prepare and issue contractor bid results letter.

## Construction Administration Phase: (Assumption is 5 month duration)

- Prepare agenda and attend pre-construction meeting.
- Respond to Contractor questions.
- Review progress pay requests if requested.
- Perform a maximum of two (2) site visits per month for progress meetings, to address contractor questions
  and to observe the work is proceeding in general conformance with the contract documents with a
  maximum of 10 visits.
- Perform up to two (2) reviews of each construction submittal.
- Perform one (1) site visit to confirm Substantial Completion and identify punch list items.
- Perform one (1) site visit to verify completion of punch list items and confirm Final Completion of the Work.

#### ADDITIONAL SERVICES

Additional Services are not included in the Basic Services described above, but may be required for the Project or specifically requested by Kane County Sheriff.

## **COMPENSATION**

Kluber, Inc. proposes to provide the Basic Services described above for a lump sum fee of \$19,950.00.

Kluber, Inc. proposes to provide the Additional Services described above for the fees scheduled below.

Compensation for Basic and Additional Services does not include the services of other independent professionals, associates, or other consultants. If they are required, our fee will be increased by the direct costs of those services multiplied by a factor of 1.15 for overhead, coordination and management of the delivery of those services.

Our billing for Services will be based on progress of the work performed and is outlined as follows:

Basic Services:		
Bidding/Negotiation Phase		\$2,450.00
	Phase	
1	Total Basic Services Fee:	\$19,950.00
Additional Services:		
As requested	At Hour	ly Rates listed below
Each Additional Site Visit		\$550.00 per visit

Reimbursable Expenses incurred in connection with our services will be charged on the basis of cost, without additional markup. Anticipated reimbursable expenses for this project include expedited courier services, printing and plotting, document reproduction, premiums for professional liability insurance in excess of usual and customary coverage and models, renderings or professional photography, and are anticipated not to exceed \$250.00.

Changes in services, when authorized, will be charged on an hourly rate as scheduled hereafter and amended annually in accordance with our hourly rate schedule (2023):

Kluber Architects + Engineers Staff	<b>Hourly Rate</b>
Principal	\$225.00
Project Manager	
Project Mechanical Engineer III	\$165.00
Project Mechanical Engineer II	\$140.00
Project Mechanical Engineer I	\$115.00
Project Electrical Engineer III	\$165.00
Project Electrical Engineer II	\$140.00
Project Electrical Engineer I	\$115.00
Project Structural Engineer III	\$165.00
Project Structural Engineer II	\$140.00
Project Structural Engineer I	\$115.00
Project Technologist	\$165.00
Project Architect III	
Project Architect II	\$115.00
Project Architect I	\$95.00
Interior Designer III	\$115.00
Interior Designer II	\$95.00
Interior Designer I	\$75.00
Construction Observer	\$95.00
Senior Project Coordinator	
Project Coordinator	\$55.00
Mark-up for hourly Projects (indirect costs, OH & P)	20.0%

Limitation of Liability: Notwithstanding any other provision of this Agreement, and to the fullest extent permitted by law, the total liability, in the aggregate, of Kluber, Inc.'s officers, directors, partners, employees, agents, and Kluber's Consultants, and any of them to Owner/Client and anyone claiming by, through, or under Owner/Client for any and all claims, losses, costs, or damages whatsoever arising out of, resulting from, or in any way related to the Project or the Subagreement from any cause or causes, including but not limited to the negligence, professional errors or omissions, strict liability or breach of contract, or warranty express or implied of Kluber's officers, directors, partners, employees, agents, or Kluber's Consultants, or any of them shall not exceed the total amount of two times fee, excluding reimbursable expenses. The services provided herein are governed solely with regards to permanent building codes only, compliance with OSHA regulations is specifically excluded.

#### TIMING

All services contemplated within this proposal shall be completed within 7 months after the acceptance date. Services performed after closure of that window will be billed hourly in accordance with the rates set forth above. This proposal is valid for a period of up to 45 days from the date noted on this proposal.

## **FINAL NOTE**

If this proposal satisfactorily sets forth your understanding of our agreement, we would appreciate your authorization to proceed with this Work. We are available to discuss any aspect of this proposal with you at your convenience.

Kluber, Inc. appreciates the interest expressed in our firm and we look forward to serving your needs in the future.

Sincerely,		
Walter N. Klabe		
Michael T. Kluber, P.E. President	Accepted (Signature)	Dat
Kluber, Inc.	By (printed name and title)	

Confidentiality Notice: The contents of this proposal are confidential and may not be distributed to persons other than Kane County Sheriff.

## BID BOND:

All bids must be accompanied by a Bank Cashier's Check, Bank Draft, Certified Check, or Bid Bond for not less than Five Thousand Dollars (\$5,000.00), or 5% of the total base bid.

Accompanying this Bid is a Bank Cashier's Check, Bank Draft, Certified Check, or Bid Bond, complying with the requirements of the specifications, made payable to the KANE COUNTY.

In the event that one check, draft or bond is intended to cover two or more bids, the amount must be equal to the sum of the bid guarantees of the individual sections covered.

SURETY:

I have notified a Surety Company that I am submitting a bid for work to be performed on the project. The Surety Company has agreed to issue a performance and labor and material payment bond for my work, if my bid is accepted and the contract awarded to me.

## NO-BID/RFP/RFQ RESPONSE

## BID 23-037

## KC- Sheriff's New Administration Wing Renovation

In the event that your organization chooses not to submit a response to this solicitation, the Kane County Purchasing Department is interested in the reasons why vendors/consultants have chosen not to submit a bid or proposal response in order to better serve the taxpayers of Kane County. Please indicate your reason(s) by checking all applicable items below and return this form to the address shown below.

an applica	ble fields below and retain this form to the address shown below.
☐ Item com ☐ Insu ☐ Bon ☐ Sco ☐ Proj ☐ Qua ☐ Insu	and not meet the specifications.  In sor materials requested not manufactured by us or not available to our inpany.  In ance requirements too restricting.  In a requirements too restricting.  In a requirement stoo restriction stoo restricting.  I
Contact Per Telephone:	me: Lite Construction, Inc rson: James E Campbell 630/896/7220 mc@liteconstruction.com

Please send your response to: purchasing@co.kane.il.us

# KANE COUNTY OFFER TO CONTRACT FORM BID 23-037

## Kane County Sheriff - New Administration Wing Renovation

Bid Due Date & Time: Thursday, July 20, 2023 at 3:30 p.m. CST

	Bid response must submit electronically to <a href="https://www.bidnetdirect.com/illinois/kanecountv">https://www.bidnetdirect.com/illinois/kanecountv</a>
То	County of Kane Purchasing Department Kane County Government Center Bldg. A, Room 214 719 S. Batavia Ave., Geneva, IL 60134
Th	ne following offer is hereby made to the County of Kane, Illinois, hereafter called the Owner.
Su	bmitted By: Lite Construction, Inc
L	The undersigned Vendor proposes and agrees, after having examined the specifications, quantities, and other contract documents, to irrevocably offer to furnish the materials, equipment, and services in compliance with all terms, conditions, specifications, and amendments contained in the bid solicitation documents. The items in this Invitation to Bid, including, but not limited to, all required certificates, are fully incorporated herein as a material and necessary part of the contract.
	A. The Vendor shall also include with his bid any necessary literature, samples, etc., as required within the Invitation to Bid, Instructions to Bidders, and specifications.
	<ol> <li>the Vendor has examined the Contractor Disclosure (Section 28) of the Instruction to Bidders and has included or provided a certified document listing all cumulative campaign contributions made within the past twelve months, to any current or county-wide elected officer, and ownership interest in entity greater than five percent.</li> </ol>
	<ul> <li>B. For purposes of this offer, the terms Offeror, Bidder, General Contractor, Contractor, and Vendor are used interchangeably.</li> </ul>
1.	In submitting this Offer, the Vendor acknowledges:
P	A. All bid documents have been examined: Instructions to Bidder, Statement of Work, including the Specifications, and the following addenda:
	No, No, No, No, No, (Contractor to acknowledge addenda here.)
В	3. The site(s) and locality have been examined by the Vendor where the service is to be performed, the legal requirements (federal, state, and local laws, ordinances, rules, and regulations), and the conditions affecting the cost, progress, or performance of the work and has made such independent investigations, as Vendor deems necessary.

C. To be prepared to execute a contract with the Owner within ten (10) calendar days after

acceptance of the bid by the Owner.

## III. <u>BASE BIDS</u>: Project #23-471-1466

The Undersigned agrees to furnish all labor, materials, and equipment necessary for the completion of the Administration Wing Renovation Project in accordance with the architectural outline specifications, drawings, and contract requirements for the Kane County Sheriff's Office. Prevailing wage rates apply to this project.

TOTAL COMPLETE PROJECT COST OF \$ 649,674,60
PROJECT TIMEFRAME & GUARANTEE:  Six hundred forty mine thousand six hundred & seventy four dollars  The Undersigned attests that he is able to perform the Work of the Contract within the parameters of the following
The Undersigned attests that he is able to perform the Work of the Contract within the parameters of the following construction timeframe, and further agrees to adhere to that schedule as a provision of the Contract Agreement.
Guaranteed delivery and completion of the project per specifications will be (
By signing this Bid, the Offeror hereby certifies that they are not barred from bidding on this contract as a result of a violation of either Section 33E-3 or 33E-4 of the Illinois Criminal Code of 1961, as amended. The awarding of any contract resulting from this Bid will be based upon the funding available to Kane County, which may award all or part of this project. The terms of the Bid and the response shall be incorporated by this reference as though fully set forth into the Contract notwithstanding any language in the contract to the contrary. In the event of any conflict between the terms of the Contract and the terms of the Bid and the response, the terms of the Bid and the response shall govern. Every element or item of the Bid and the response shall be deemed a material and a severable item or element of the contract. AN AUTHORIZED REPRESENTATIVE OF THE COMPANY OR ENTITY RESPONDING TO THE BID AND THE RESPONSE SHALL SIGN THIS SECTION.  Signature  Typed Signature  James E Campbell  Company  Lie Construction, Inc  Address/City/State  711 S! Lake St. Montgomery IL 60538
Phone # 630/896/7220 Fax # 630/896/1304
Federal I.D./Social Security # 36-3118974 Date 7/20/23
Date 1726/20
ACCEPTANCE
The Offer is hereby accepted for KANE COUNTY SHERIFF - NEW ADMINISTRATION WING RENOVATION
The Vendor is bound to provide the services and materials listed by the attached contract and based upon the Invitation to Bid, including all terms, conditions, specifications, and amendments, and the Vendor's offer is accepted by the County of Kane.
This contract shall henceforth be referred to as <u>Contract Number 23-037</u> . The Vendor has been cautioned not to commence any billable work or to provide any supplies or services until said vendor receives a purchase order and or notice to proceed.
Corinne M. Pierog MA, MBA  Chairman, County Board  Kane County, Illinois

## **VENDOR CERTIFICATION**

This information is collected for reporting purposes only and will not have any influence on vendor selection. It is required by the State of Illinois. Please check any of the following boxes that apply to the ownership of your firm.

Minority-owned Business (MBE)	Veteran-owned Business Enterprise (VBE)
Woman-owned Business (WBE)	Service-Disabled Veteran-owned Business Enterprise (SDVBE)
Business Enterprise Program (BEP)	Veteran-owned Small Business (VOSB)
Small Disadvantaged Business (SDB)	Persons with Disabilities-owned Business Enterprises (PDBE)
Kane County Local Business	N/A – These categories do not apply to my business
Please Note: It is required that you check at	t loast one boy
regae note in la reconlectional voor check at	LEGGLUNE DUA

# REFERENCES SHERIFF'S NEW ADMINISTRATION WING RENOVATION For KANE COUNTY BOARD, Geneva, Illinois

List below businesses or other organizations for which you have provided comparable services within the last three years:

	feror's Name: Lite Construction, Inc
1.	Organization: See Attached AIA A305
	Address:
	City, State, Zip Code:
	Telephone Number:
	Contact Person:
	Date of Project:
	E-mail Address:
2.	Organization:
	Address:
	City, State, Zip Code:
	Telephone Number:
	Contact Person:
	Date of Project:
	E-Mail Address:
3.	Organization:
	Address:
	City, State, Zip Code:
	Telephone Number:
	Contact Person:
	Date of Project:
	E-Mail Address:
4.	Organization:
	Address:
	City, State, Zip Code:
	Telephone Number:
	Contact Person:
	Date of Project:
	E-Mail Address:

## REQUIRED CONTACT INFORMATION

The vendor shall provide the following contact information.

Customer Service/General Information: Ph: 630/896/7220

To place an order: Name: Tim Campbell

Ph: 630-896-7220 Fax: 630/896/1304

E-mail: timc@liteconstruction.com

Billing & Invoicing question:

Name: Tim Campbell

Ph: 630-896-7220

E-mail: timc@liteconstruction.com

Operation: Supervisor

Name: Tim Campbell

Ph: 630-896-7220

E-mail: timc@liteconstruction.com

24-hours answering service:

Ph: 630-896-7220

## **BID SUBMITTAL CHECK LIST**

The undersigned Vendor acknowledged and verified that all required documents, statements, and all certificates meeting County's requirements are included in their bid response. The vendor shall check the following required submittal items checklist to assure the completeness and in order for assembling of their bid response.

response. The vendor shall check the following required submittal items checklist to assure the completeness and in order for assembling of their bid response.
SIGNED BID OFFER TO CONTRACT FORM with all supporting documents (pages 24-27).
: VENDORS DISCLOSURE STATEMENT (See attached sample, a mandatory submittal if award of the contract)
: VENDORS FAMILIAL RELATIONSHIP DISCLOSURE STATEMENT (See attached sample, a mandatory submittal if award of the contract)
PROOF OF CURRENT CERTIFICATE OF INSURANCE (Submit current coverages with bid response). The actual certificate of insurance that meets the County's requirements including naming the County of Kane, as a certificate holder and additional name insured with required policy endorsements shall be submitted before issuing of award and contract execution. (See attached sample, a mandatory submittal if award of the contract)
: REFERENCES & CONTACT INFORMATION
: ONE (1) ORIGINAL BID, MUST BE SUBMITTED ELECTRONICALLY THROUGH BIDNET DIRECT.
: Bid Bond (5%) required with bid submittal. The awarded Vendor must furnish a Performance Bond if awarding the contract.
Vendor/Agency: Lite Construction, Inc
Address/City/State: 711 S. Lake St. Montgomery IL 60538
Phone # 630/896/7220 Fax # 630/896/1304

## SECTION 01 61 16.01 ACCESSORY MATERIAL VOC CONTENT CERTIFICATION FORM

## 1.01 PRODUCT CERTIFICATION

- A. I certify that the installation work of my firm on this project:
  - 1. [HAS] [HAS NOT] required the use of any ADHESIVES.
  - 2. [HAS] [HAS NOT] required the use of any JOINT SEALANTS.
  - 3. [HAS] [HAS NOT] required the use of any PAINTS OR COATINGS.
  - 4. [HAS] [HAS NOT] required the use of any COMPOSITE WOOD or AGRIFIBER PRODUCTS.
- B. Product data and MSDS sheets are attached.

2.01 CERTIFIED BY: (INSTALLER/MANUFACTURER/SUPPLIE	ER FIRM
--	---------

A.	Firm Name: Lite Construction, Inc
В.	Print Name: James E Campbell
C.	Signature:
D.	Title: President / (officer of company)
E.	Date: 7/20/23

**END OF SECTION** 

## SECTION 00 43 23 BID FORM SUPPLEMENT - LIST OF ALTERNATES

1.01 PARTICULARS	
A. The following is the list of Alternates refe	erenced in the bid submitted by:
(Bidder) Lite Construction, Inc	
Dated _7/20/23	and which is an integral part of the Bid Form.
1.02 ALTERNATES LIST	
<ul> <li>A. The following amounts shall be added to 00 - Alternates: Schedule of Alternates.</li> </ul>	or deducted from the Bid Amount. Refer to Section 01 23
1. Alternate # 1: (Add) (Deduct) \$(	5.00
END (	OF DOCUMENT



## **Contractor Disclosure**

As of 7/20/2023, Lite Construction, Inc. to the best of our knowledge the Owners, Officers or Executives have not made any political campaign contributions to any Kane County Elected Official Countywide in the last 12-month period.

Below is a list of shareholders or owners, with at least 5% holding in Lite Construction, Inc.

49.92%

James E Campbell 701 E. Abe St. Plano IL 60545 Tim Campbell 26.04% 330 Old Mill Rd. Plano IL 60545 Tammi Campbell 24.04% 330 Old Mill Rd. Plano IL 60545 7/20/2023 Date President Subscribed and sworn this \_\_\_\_\_\_ 20 \_\_\_ day of \_\_\_\_ July , 2023. NOTARY PUBLIC, STATE OF ILLINOIS Commission Expires 07/11/2026 Notary Public



## **FAMILIAL RELATIONSHIP DISCLOSURE**

As of 7/20/2023, Lite Construction, Inc. to the best of our knowledge the Owners, Officers or Executives do not have a familial relationship with any County Elected Official or County Department Director within the last 12-month period. "Familial Relationship" is defined in the public Act 101-0544.

The County may deny, suspend, or terminate the eligibility of a person, firm, corporation, association, agency, institution, or other legal entity to participate as a vendor for goods or services to the County, if the vendor, for contracts greater that \$30,000.00, fails to disclose to the County a familial relationship between a County Elected Official or County Department Director.

Officer Date
Title President

Subscribed and sworn this 20 day of July, 2023.

**Notary Public** 

DAWN L KANTORSKI NOTARY PUBLIC, STATE OF ILLINOIS My Commission Expires 07/11/2026



## CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 7/20/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the

certificate holder in lieu of such endorsement(s).				
PRODUCER	CONTACT NAME: GREG S LEBEAU			
GREG S LEBEAU (03379) 1921 W WILSON ST	PHONE (A/C, No, Ext): 630-406-6900 FAX (A/C, No): 630-40	6-6994		
BATAVIA, IL 60510-0000	E-MAIL ADDRESS: GREG.LEBEAU@COUNTRYFINANCIAL.COM			
	INSURER(S) AFFORDING COVERAGE	NAIC#		
	INSURER A: COUNTRY Mutual Insurance Company	20990		
INSURED 2888275	INSURER B:			
LITE CONSTRUCTION INC 711 S LAKE ST PO BOX 135	INSURER C:			
	INSURER D:			
MONTGOMERY, IL 60538	INSURER E:			
	INSURER F:			
COVERAGES CERTIFICATE NUMBER:	REVISION NUMBER:			
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.				

ADDL SUBR INSR WVD POLICY EFF POLICY EXP TYPE OF INSURANCE LIMITS **POLICY NUMBER** GENERAL LIABILITY EACH OCCURRENCE \$ 2,000,000 AB2157170 7/1/2023 7/1/2024 DAMAGE TO RENTED PREMISES (Ea occurrence) COMMERCIAL GENERAL LIABILITY \$ 100,000 CLAIMS-MADE ✓ OCCUR MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$2,000,000 GENERAL AGGREGATE \$4,000,000 GEN'L AGGREGATE LIMIT APPLIES PER: PRODUCTS - COMP/OP AGG \$4,000,000 POLICY PRO-COMBINED SINGLE LIMIT (Ea accident) AUTOMOBILE LIABILITY \$ 1,000,000 AB2157170 7/1/2023 7/1/2024 BODILY INJURY (Per person) \$ ANY AUTO SCHEDULED AUTOS NON-OWNED ALL OWNED AUTOS BODILY INJURY (Per accident) \$ PROPERTY DAMAGE \$ HIRED AUTOS AUTOS UMBRELLA LIAB \$ 5,000,000 **OCCUR** EACH OCCURRENCE AU2157170 7/1/2023 7/1/2024 EXCESS LIAB CLAIMS-MADE AGGREGATE \$ 5,000,000 DED V RETENTION \$ 10,000
WORKERS COMPENSATION \$ AW2157170 7/1/2023 7/1/2024 AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? E.L. EACH ACCIDENT \$ 1,000,000 N/A E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required) KANE COUNTY SHERIFF'S OFFICE RENOVATION PROJECT REMARKS: (CONTINUED) CANCELLATION

2 - 11 11 11 11 11 11 11 11 11 11 11 11 1	
KANE COUNTY SHERIFF'S OFFICE 37W755 IL-38 SUITE A	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
ST CHARLES, IL 60175	AUTHORIZED REPRESENTATIVE

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CERTIFICATE HOLDER



## Bid Bond

CONTRACTOR:

(Name, legal status and address)

Lite Construction, Inc. 711 S. Lake Street Montgomery, IL 60538

OWNER:

(Name, legal status and address)

County Of Kane 719 S Batavia Ave, Bldg A Geneva, IL 60134

BOND AMOUNT: Five Percent of Accompanying Bid

SURFTY:

(Name, legal status and principal place of business)

Travelers Casualty and Surety Company of America
One Tower Square

Hartford, CT 06183

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

PROJECT:

(Name, location or address, and Project number, if any) 23-037 Kane County Sheriff's Office Renovation Project

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for the party is constant for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the located affile thereign any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted better from and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

Signed and sealed this

20th

day of July, 2023

Lite Construction, Inc

und James E (0

Travelers Casualty and Surety Company of

(Seal)

(Title)David Kotula, Attorney-in-Fact

CAUTION: You should sign an original AIA Contract Document, on which this text appears in RED. An original assures that changes will not be obscured.

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G-23208-B

SS.

STATE OF IL

**COUNTY OF WILL** 

I, Brandie Catlin, Notary Public of Will County, in the State of Illinois, do
hereby certify that David Kotula Attorney-in-fact, of the
Travelers Casualty and Surety Company of America , who is personally
known to me to be the same person whose name is subscribed to the
foregoing instrument, appeared before me this day in person, and
acknowledged that he signed, sealed and delivered said instrument, for and
on behalf of the
the uses and purposes therein set forth.
Given under my hand and notarial seal at my office in the City of Lockport
in said County, this 20th day of July And 20 23.
Dande Catter
Brandie Catlin Notary Public
a Grand Market, som Til Gilding de ser Nag Gang Silanton (1994), as Million (1



Travelers Casualty and Surety Company of America Travelers Casualty and Surety Company St. Paul Fire and Marine Insurance Company

#### **POWER OF ATTORNEY**

KNOW ALL MEN BY THESE PRESENTS: That Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company are corporations duly organized under the laws of the State of Connecticut (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint DAVID KOTULA of GENEVA , Illinois , their true and lawful Altorney(s)-in-Fact to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed, and their corporate seals to be hereto affixed, this 21st day of April, 2021.







guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

State of Connecticut

City of Hartford ss.

On this the 21st day of April, 2021, before me personally appeared Robert L. Raney, who acknowledged himself to be the Senior Vice President of each of the Companies, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of said Companies by himself as a duly authorized officer.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission expires the 30th day of June, 2026



Anna P. Nowik, Notary Public

Robert L. Ranev. Senior Vice President

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of each of the Companies, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Senior Vice President, any Vice President, any Senior Vice President, any Senior Vice President, any Vice President, any Senior Vice President, any Vice President, any Senior Vi

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, Kevin E. Hughes, the undersigned, Assistant Secretary of each of the Companies, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which remains in full force and effect.

Dated this 20th day of July







Kan E. Hugher Kevin E. Hughes, Assistant Secretary

To verify the authenticity of this Power of Attorney, please call us at 1-800-421-3880.

Please refer to the above-named Attorney(s)-in-Fact and the details of the bond to which this Power of Attorney is attached.



## Contractor's Qualification Statement

The Undersigned certifies under oath that the information provided herein is true and sufficiently complete so as not to be misleading.

SUBMITTED TO: Kluber Architects

719 S. Batavia Ave. Bldg. A

Geneva IL 60134

James E Campbell

Lite Construction Inc.

11 S. Lake St. Montgomery IL 60538

PRINCIPAL OFFIC

Individual

NAME OF PROJECT (Gapplicable): - Kane County Sheriffs Office Reno.

TYPE OF WORK (file separate form for each Classification of Work):

1.1 How many years has your organization been in business as a Contractor? 42 yrs

§ 1.2 How many years has your organization been in business under its present business

§ 12.1 Under what other or former names has your organization operated? none

The author of this document has added Information needed for its completion. The author may also have revised the text of the original AIA standard form. An Additions and Deletions Report that notes added Information as well as revisions to the standard form text is available from the author and should be reviewed. A vertical line in the left margin of this document indicates where the author has added necessary information and where the author has added to or deleted

ADDITIONS AND DELETIONS:

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

from the original AIA text.

This form is approved and recommended by the American Institute of Architects (AIA) and The Associated General Contractors of America (AGC) for use In evaluating the qualifications of contractors. No endorsement of the submitting party or verification of the information is made by AIA or AGC.

§ 1.3 If your organization is a corporation, answer the following: § 1.3.1 Date of incorporation: 1980

§ 1.3.2 State of incorporation: Illinois

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1.3.3 President's name: James E Campbell 1.3.4 Vice-president's name(s Tim Campbell

1.3.5 Secretary's name:

Tammi Campbell

§ 1.3.6 Treasurer's name: Tammi Campbell

§ 1.4 If your organization is a partnership, answer the following:

§ 1.4.1 Date of organization:

§ 1.42 Type of partnership (if applicable):

§ 1.43 Name(s) of general partner(s)

If your organization is individually owned, answer the following:

§ 1.5.1 Date of organization:

§ 1.5.2 Name of owner:

of your organization is other than those listed above, describe it and name the principals:

§ 2. LICENSING

§ 2.4 Eist juris dionous and trade categories in which your organization is legally qualified to do business, and indicate registration or license numbers, if applicable.

Fox Valley General Contractors Association

ist jurisdictions in which your organization's partnership or trade name is filed.

**EXPERIENCE** 

3.1 Last the categories of work that your organization normally performs with its own forces.

Concrete, Carpentry, Bricklayer

§ 3.2 Claims and Suits. (If the answer to any of the questions below is yes, please attach details.) § 3:2.1 Has your organization ever failed to complete any work awarded to it?

3.2.2 Are there any judgments, claims, arbitration proceedings or suits pending or outstanding against your organization or its officers?

NO

§3.23 Has your organization filed any law suits or requested arbitration with regard to construction contracts within the last five years?

§ 3.3 Within the last five years, has any officer or principal of your organization ever been an officer or principal of another organization when it failed to complete a construction contract? (If the answer is yes, please attach details NO

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\$34.0n a separate sheet, list major construction projects your organization has in progress, giving the name of ippojectiowner, architect, contract amount, percent complete and scheduled completion date.

#### See Attached

§ 3.4.1 State total worth of work in progress and under contract:

#### 4 Million

\$335 On a separate sheet; list the major projects your organization has completed in the past five years, giving the name of project owner; architect, contract amount, date of completion and percentage of the cost of the work performed with your own forces.

#### See Attached

3.5.1 State average annual amount of construction work performed during the past five years:

#### 9 Million

1936 On a separate sheet, list the construction experience and present commitments of the key individuals of your organization.

See Attached

§ 4. REFERENCES

41 Trade References:

Harris Bank - Diana Berndit - P 630-420-3571 Old Second - Will Garzia - P 630-906-5502

§ 4.3.1 Name of bonding company:

ravelers Casualty & Surety Company of America

215 Shuman Blvd Naperville IL 60563

§ 4:3:2 Name and address of agent:

Kotula Group 225 N Green St. Chicago IL 60607

85 FINANCING

5.1 Financial Statement.

§ 5.1.1 Attach a financial statement, preferably audited, including your organization's latest balance sheet and income statement showing the following items:

See Attached

Current Assets (e.g., cash, joint venture accounts, accounts receivable, notes receivable, accrued income, deposits, materials inventory and prepaid expenses);

Net Fixed Assets;

Other Assets;

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User Notes:

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Current Liabilities (e.g., accounts payable, notes payable, accrued expenses, provision for income taxes, advances, accrued salaries and accrued payroll taxes);

Other Liabilities (e.g., capital, capital stock, authorized and outstanding shares par values, earned surplus and retained earnings).

§ 5.1.2 Name and address of firm preparing attached financial statement, and date thereof:

Weber & Associates 630-897-4500

314 N Lake St Aurora IL 60506 § 5133 Is the attached financial statement for the identical organization named on page one?

If not explain the relationship and financial responsibility of the organization whose financial statement is provided (e.g., parent-subsidiary).

vill the organization whose financial statement is attached act as guarantor of the contract for construction?

Lite Construction, Inc

says that the information provided herein is true and sufficiently complete so to be misleading.

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JB Pritzker, Governor James L. Bennett, Director

IDHR#: 95652-00

Date Eligible: 02/04/2020

Expires on: 02/04/2025

TIM CAMPBELL VICE PRESIDENT LITE CONSTRUCTION INC 711 S. LAKE ST. MONTGOMERY, IL 60538

#### CONFIRMATION OF EXISTING/RENEWAL REGISTRATION

The Illinois Department of Human Rights, Public Contracts Unit, acknowledges receipt of an Employer Report form (PC-1) filed by your organization.

Review of our records indicates that your organization previously registered with the Department of Human Rights and has been assigned the IDHR Number appearing above. This registration remains in effect until the expiration date appearing above. It is not necessary to submit a new form each time you bid on a state

DO . NOT LOSE THIS NOTICE. KEEP IT WITH OTHER IMPORTANT ORGANIZATIONAL DOCUMENTS. Also, please keep the following in mind:

- The IDHR Bidder Eligibility Number is valid for all bids submitted to any agency of the State of Illinois or other contracting agency that has adopted our registration requirement.
- 2. An eligible bidder's registration remains in effect until the expiration date unless it is revoked by the Department upon finding that the eligible bidder has committed a civil rights violation.
- 3. An eligible bidder may relinquish its eligibility by notifying the Department in writing at the above
- 4. The Department must be notified in writing of any change to the eligible bidder's name, address, telephone number, or form of organization. Such changes may render the bidder's registration invalid and may require the filing of a new Employer Report Form with the Department. The Number is not transferable and becomes invalid upon dissolution of the business.

Should you have any questions concerning this notice, please contact the Public Contracts Unit at the above address or telephone at 312-814-2431.

IDHR PCU (01-2010)

100 West Randolph Street, Suite 10-100, Chicago, IL 60501, (312) 814-6200, TTY (866) 740-3953, Housing Line (800) 652-3942 535 West Jefferson Street, 1" Floor, Springfield, IL 62702, (217) 785-5100 2309 West Main Street, Marion, IL 62959 (618) 993-7463 www.state.il.us/dhr

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#### Job Reference List

Name **DeKalb HVAC Renovations** 

Year Construction 11/2021-8/2022 Cost 2,894,736.00 Owner DeKalb CUSD 428

Location 901 S. 4th St. DeKalb IL 60115 Owner's Contact Tammy Carson - 815-754-2350

Architect Richard L Johnson-Scott -815-398-1231

Northwest Elementary School Name

Year Construction 1/2022 - 8/2022 Cost 2,050,504.00

Owner LaSalle Board of Education District #122 Location 1735 Malcom Ave. LaSalle IL 61301 Owner's Contact Brian DeBernardi - 815-223-0786

Architect BCA Architects - Matt Lamps 815-434-0108

Name Dimmick School Summer 2021 Reno.

Year Construction 3/2021-8/2021 \$1,094,569.00 Cost Owner Dimmick CCSD #175

Location 297 N 33rd Rd. LaSalle IL 61301 Owner's Contact Ryan Linning - 815-223-2933

Architect Larson & Darby -Andrew M. 815-484-0739

Kaneland Summer Work 2021 Name

Year Construction 3/2021-8/2021 Cost \$536,700.00 Owner Kaneland CUSD #302

47W326 Keslinger Rd. Maple Park II 60151 Location

Owner's Contact Mark Payton 630-365-5111

Architect Wold Arch.-Tim Woolever 847-241-6100

Name Coal City 2021 Mechanical Improvements

Year Construction 3/2021-8/2021 Cost \$960,437.00 Owner Coal City CUSD #1

Location 550 Carbon Hill Rd. Coal City IL 60416 Owner's Contact Denny Wickiser - 815-634-2287 Architect Cordogan Clark-Alex L.-630-896-4678

Name St Charles Compass Academy Improvements

Year Construction 4/2021-8/2021 Cost \$322,397.00

Owner St Charles CUSD 303

Location 201 S. 7th St St Charles II 60174 Owner's Contact John Baird - 331-228-5197

Architect Wold Arch. Jessalyn K. 847-241-6100

East Aurora HS Sprinkler Phase 2 Name

Year Construction 2/2021-8/2021 Cost \$819,713.00

Owner East Aurora CUSD #131 500 Tomcat Ln. Aurora IL 60505 Location Owner's Contact Jessie Vargas 630-299-5550

Architect Cordogan Clark-Mark S.630-896-4678

West Aurora Servery Renovation Name

Year Construction 5/2021-8/2021 Cost \$454,759.00

Owner West Aurora School District 129 Location 1870 W Galena Blvd. Aurora IL 50605

Owner's Contact Pat Dacy 630-301-5022

Architect StudioGC-Cory Boaz-312-253-3400

Name West Aurora Geothermal

Year Construction 1/2021-8/2021 Cost \$2,798,000.00

Owner West Aurora School District 129
Location 1870 W Galena Blvd. Aurora IL 50605

Owner's Contact Pat Dacy 630-301-5022

Architect StudioGC-Cory Boaz-312-253-3400

Name Waubonsee CC Von Ohlen Hall

Year Construction 5/2020-8/2020 Cost \$3,075,888.00

Owner Waubonsee Community College

Location Rt.47 & Waubonsee Dr Sugar Grove IL60554

Owner's Contact Pete Adams 630-466-2912

Architect Cordogan Clark Cayce H. 630-896-4678

Name Lisle Park District - Storage Building

 Year Construction
 9/2019-7/2020

 Cost
 \$1,386,392.00

 Owner
 Lisle Park District

 Location
 1925 Ohio St Lisle IL 60532

 Owner's Contact
 Aaron Cerutti - 630-353-4381

Architect Williams Arch. Andreas 5. 630-221-1212

Name East Aurora Sprinkler Phase 1

 Year Construction
 4/2020-8/2020

 Cost
 \$1,128,661.00

 Owner
 East Aurora CUSD 131

 Location
 500 Tomcat LN Aurora IL 60505

Location 500 Tomcat LN Aurora IL 60505 Owner's Contact Jessie Vargas 630-299-5550

Architect Cordogan Clark - Mark S. 630-896-4678

Name Naperville CHS Varsity Softball Field Renovations

 Year Construction
 3/2019-3/2020

 Cost
 1,050,700.00

 Owner
 Naperville CUSD 203

Location 440 Aurora Ave Naperville IL 60540

Owner's Contact Pat Dollan 630-420-6300

Architect Healy Bender - Lucas V. 630-904-4300

Name Groot Industries
Year Construction 7/2019-12/2019
Cost 688,811.00
Owner Groot Industries

Location 1565 Aurora Ave Ln. Aurora IL 60505 Owner's Contact Kiel Pennington - 815-790-3205 Architect Temple Architects - 630-443-0917

Name West Aurora Early Childhood Renovation

Year Construction 1/2018-10/2018 Cost 4,337,000.00

Owner West Aurora School District 129 Location 1870 W Galena Blvd. Aurora IL 50605

Owner's Contact Pat Dacy 630-301-5022

Architect Cordogan Clark Architect - Tim Weber 630-896-4678

Tim Campbell 330 Old Mill Rd. Plano II 60545

Birth date: 7/5/63

Education: 1981-1985 Oliver Nazarene University BA 1978-1981 Plano High School

Employment: 1978-Present Lite Construction, Inc. Vice President – Project Manager Ensure project is on Schedule & within budget

World Experience and Accomplishments:

9/2019-Current Liste Park District Cost \$ 1,387,800.00 Addition / Renovations Type of Construction: Pre-Engineered Building

3/2019-3/2020 Naperville CHS Varsity Softball Field Cost \$ 1,126,700.00 Addition / Renovation Type of Construction Masonry, Bar Joist

7/2019-12/2019 Groot Industries
Cost \$ 688,811.00
Renovations / Addition
Type of Construction: Pre-Engineered Building

4/2019-8/2019 Rotolo Middle School Cost \$ 488,919.00 Renovations Type of Construction: Masonry, Bar Joist

3/2019-8/2019 St Charles Schools Cost \$ 1,201,900.00 Renovations Type of Construction: Masomy, Bar Joist

3/2019-8/2019 Mount St Mary's Cost \$ 402,952.00 Addition Type of Construction: Wood Framed

1/2017-12/2019 Fox Metro Water Reclamation Cost \$ 3,000,000.00 Additions / Renovations Type of Construction: Masonry, Bar Joist 1/2018-10/2018 West Aurora Early Childhood Cost \$ 4,337,000.00 Additions/Renovations Type of Construction: Masomy, Bar Joist

10/2016-9/2018 East Aurora HS & Stadium Cost \$ 11,020,298.00 Additions / Renovations Type of Construction: Masoury, Bar Joist

1/2016-12/2016 West Aurora Schools Cost \$7,875,862.00 Additions / Geo-Installations Type of Construction: Masonry, Bar Joist

8/2013-11/2014 Sandwich Library Cost \$ 3,361,890.00 New Building Type of Construction: Wood Framed

3/2009-6/2010 St Mary's Parish Cost \$ 2,021,240.00 Additions / Renovations Type of Construction: Pre-Engineered Building

2015-2015 West Chicago HS Cost \$ 1,912,900.0 Additions / Renovations Type of Construction: Masonry, Bar Joist

2013-2015 Yorkville HS Cost \$ 9,700,800.00 Additions / Renovations Type of Construction: Masonry, Bar Joist

2012-2013 Oswego HS Cost \$ 7,530,853.00 Additions / Renovations Type of Construction: Masonry, Bar Joist

2011-2011 Lockport HS Cost \$ 2,362,627.00 Additions / Renovations Type of Construction: Masonry, Jeff Futrell 1074 Linda Lane Sandwich II 60548

Birth date: 5/23/68

Education:

1985-1989 Fox Valley Carpentry Apprenticeship Program 1981-1985 Somonauk Baptist School

Employment:

1991-Present Lite Construction, Inc.
Journeyman Carpenter - Superintendent - Union Member Local #916
Supervise work crews; coordinate subcontractors; blueprint reading;
Coordinate ordering of materials; coordinate work crews; weekly progress
Meeting to ensure project is on schedule and within budget

Work Experience and Accomplishments

7/2019-12/2019 Groot Industries Cost \$ 688,811.00 Renovations Type of Construction: Pre- Engineered Building

4/2019-8/2019 Rotolo Middle School Cost \$ 488,919.00 Renovations Type of Construction: Masonry, Bar Joist

3/2019-8/2019 Mount St. Mary's Cost \$ 402,952.00 Addition Type of Construction: Wood Framed

1/2017-12/2019 Fox Metro Water Reclamation Cost \$ 2,500,000.00 Renovations / Additions Type of Construction: Masonry, Bar Joist

8/2013-11/2014 Sandwich Library Cost \$ 3,361,890.00

New Building Type of Construction: Wood Framed

3/2009-6/2010 St Mary's Parish Cost \$ 2,021,240.00 Additions / Renovations Type of Construction: Pre-Engineered Building Jason Heeg 2266 Garden Rd Aurora Il 60506

Birth date: 10/31/70

Employment:
1989-Present Lite Construction, Inc.
Journeyman Carpenter - Superintendent - Union Member Local #916
Supervise work crews; coordinate subcontractors; blueprint reading;
Coordinate ordering of materials; coordinate work crews; weekly progress
Meeting to ensure project is on schedule and within budget

Work Experience and Accomplishments:

11/2018-5/2019 Peck Farm - Restroom Cost \$352,879.00 Addition Type of Construction: Wood Framed

4/2019-9/2019 Thompson Jr. High School Cost \$361,840.00 Renovations Type of Construction: Masonry, Bar Joist

9/2018-11/2018 VNA Healthcare Phase 2 Cost \$377,637.00 Renovations Type of Construction: Wood Framed

10/2016-8/2017 East Aurora HS & Stadium Cost \$8,532,417.00 Additions / Renovations Type of Construction: Masonry, Bar Joist

1/2016-10/2016 Fearn Elementary Cost \$1,627,000.00 Additions / Geo-Installations Type of Construction: Masonry, Bar Joist

9/2015-8/2016 Norridge Park District Cost \$2,065,894.00 Renovations Type of Construction: Wood Framed

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COMPANY & ADDRESS	IPhone & Fox	CONTACTS	IProduct Line	ILine of Gred
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Malcor Roofing 1850 Dean St. St Charles II 60174	  P-630/896/6479  F-630/096/6597			Open
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#### LITE CONSTRUCTION, INC.

# FINANCIAL STATEMENTS with INDEPENDENT ACCOUNTANTS' REVIEW REPORT for the year ended September 30, 2022

Weber & Associates CPAs, LLC
Certified Public Accountants

#### LITE CONSTRUCTION, INC.

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	Independent Accountants' Review Report	1-2
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	Statements of Cash Flows	6
	Notes to Financial Statements	7-12
	Supplementary Information	
	Schedule of Contract Costs	13
	Schedule of General and Administrative Expenses	14
	Job Cost Summary	15
	Schedule of Backlog	16

#### Weber & Associates CPAs, LLC

Certified Public Accountants
Thomas A Weber
Michael Coakley
Gabriela Fedmasu

Suite 1B, 314 N. Lake St. Aurora, IL 60506 630 197-4500 Fax: 630-897-4951

#### Independent Accountants' Review Report

To the Management Lite Construction, Inc. Montgomery, Illinois

We have reviewed the accompanying financial statements of Lite Construction, Inc. (a corporation) which comprise the statement of financial position as of September 30, 2022, and the related statement of operations and retained earnings and cash flows for the year then ended, and the related notes to the financial statements. A review includes primarily applying analytical procedures to management's financial data and making inquiries of Company management. A review is substantially less in scope than an audit, the objective of which is the expression of an opinion regarding the financial statements as a whole. Accordingly, we do not express such an opinion.

#### Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with the Financial Reporting Framework for Small- and Medium-Sized Entities issued by the American Institute of Certified Public Accountants; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement whether due to fraud or error.

#### Accountant's Responsibility

Our responsibility is to conduct the review engagement in accordance with Statements on Standards for Accounting and Review Services promulgated by the Accounting and Review Services Committee of the AICPA. Those standards require us to perform procedures to obtain limited assurance as a basis for reporting whether we are aware of any material modifications that should be made to the financial statements for them to be in accordance with the Financial Reporting Framework for Small- and Medium-Sized Entities issued by the AICPA. We believe that the results of our procedures provide a reasonable basis for our conclusion.

#### Accountant's Conclusion

Based on our review, we are not aware of any material modifications that should be made to the accompanying financial statements in order for them to be in accordance with the Financial Reporting Framework for Small- and Medium-Sized Entities.

Basis of Accounting

We draw attention to Note 1 of the financial statements, which describes the basis of accounting. The financial statements are prepared in accordance with the Financial Reporting Framework for Small- and Medium-Sized Entities, which is a basis of accounting other than accounting principles generally accepted in the United States of America. Our conclusion is not modified with respect to this matter.

Supplementary Information

The supplementary information included in the accompanying schedules on pages 13 through 16 is presented for purposes of additional analysis and is not a required part of the basic financial statements. Such information is the responsibility of management and was derived from, and relates directly to, the underlying accounting and other records used to prepare the financial statements. The supplementary information has been subjected to the review procedures applied in our review of the basic financial statements. We are not aware of any material modifications that should be made to the supplementary information. We have not audited the supplementary information and do not express an opinion on such information.

Useles & associte

Aurora, Illinois January 13, 2023

#### LITE CONSTRUCTION, INC. STATEMENT OF FINANCIAL POSITION (FRF for SMEs Accounting Framework Basis) as of September 30, 2022

Assets	
Current assets:	
Cash and cash equivalents	S 2,350,040
Certificates of deposit	777,531
Accounts receivable	2,610,171
Retention receivable	2,138,439
Credits due from vendors	4,520
Due from shareholder	114,660
Costs and estimated earnings in excess	
of billings on uncompleted contracts	585,447
Income taxes refundable	20,888
Total current assets	8,601,696
Fixed assets:	
Land	268,314
Leasehold improvements	88,600
Equipment and vehicles	1,439,894
Total fixed assets	1,796,808
Less accumulated depreciation	(1,416,339)
Net fixed assets	380,469
Total assets	\$ 8,982,165

# LITE CONSTRUCTION, INC. STATEMENT OF FINANCIAL POSITION (FRF for SMEs Accounting Framework Basis) as of September 30, 2022

Liabilities and Stockholders' Equity	
Liabilities:	
Current liabilities:	
Accounts payable	\$ 6,663,163
Accrued liabilities	28,537
Billings in excess of costs and estimated	
earnings on uncompleted contracts	611,138
Current portion of long-term debt	12,742
Total current liabilities	7,315,580
Long-term liabilities:	
Noncurrent portion of long-term debt	53,938
Total liabilities	7,369,518
Stockholders' equity:	
Capital stock (70,000 shares authorized, issued and outstanding)	70,000
Retained earnings	1,542,647
Total stockholders' equity	1,612,647
Total liabilities and stockholders' equity	\$ 8,982,165

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# LITE CONSTRUCTION, INC. STATEMENT OF OPERATIONS AND RETAINED EARNINGS (FRF for SMEs Accounting Framework Basis) for the year ended September 30, 2022

Contract revenues carned	\$ 24,984,760
Contract costs	23,944,000
Gross profit	1,040,760
General and administrative expenses	987,943
Net operating income	52,817
Other income: Interest income Miscellaneous income	1,495 3,457
Total other income	4,952
Income before income taxes	57,769
Provision for income taxes	16,479
Net income	41,290
Retained earnings- beginning of year	1,501,357
Retained earnings- end of year	\$ 1,542,647

# LITE CONSTRUCTION, INC. STATEMENT OF CASH FLOWS (FRF for SMEs Accounting Framework Besis) for the year ended September 30, 2022

Cash flows from operating activities:	
Net income	\$ 41,290
Adjustments to reconcile net income to net cash	
from operating activities:	
Depreciation	338,627
Changes in operating assets and liabilities:	
Accounts receivable	(6,210)
Retention receivable	(1,697,514)
Credits due from vendors	4,631
Costs and estimated earnings in excess	
of billings on uncompleted contracts	(452,737)
Billings in excess of costs and estimated	
earnings on uncompleted contracts	318,229
Income taxes refundable	16,479
Accounts payable	3,560,120
Accrued expenses	19,180
Net cash provided by operating activities	2,142,095
Cash flows from investing activities:	
Capital expenditures	(645,385)
Due from shareholder	(10,214)
Certificates of deposit	(732)
Net cash used in investing activities	(656,331)
Cash flows from financing activities:	
Repayment of long-term debt	(8,239)
Net cash used in financing activities	(8,239)
Net increase in cash and cash equivalents	1,477,525
Cash and cash equivalents, beginning of year	872,515
Cash and cash equivalents, end of year	\$ 2,350,040

### LITE CONSTRUCTION, INC. NOTES TO FINANCIAL STATEMENTS September 30, 2022

#### 1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

#### Basis of Accounting

The accompanying financial statements have been prepared in accordance with the Financial Reporting Framework for Small- and Medium-Sized Entities (FRF for SMEs) issued by the American Institute of Certified Public Accountants, which is a special purpose framework and not U.S. generally accepted accounting principles (U.S. GAAP). The accounting principles that compose the framework are appropriate for the preparation and presentation of small- and medium-sized entity financial statements, based on the needs of the financial statements users and cost and benefit consideration. This special purpose framework, unlike U.S. GAAP, recognizes revenue from the performance of services under long term contracts using the percentage of completion method.

#### Nature of Operations

Lite Construction, Inc. (the Company), an Illinois Corporation, is engaged in the business of performing general construction contract work in the Chicago, Illinois Metropolitan area. A substantial portion of the revenue and contracts receivable reflected in the financial statements result from contracts in these market sectors. Revenues from construction contracts represent a substantial portion of the Company's total recognized revenue.

#### Use of Estimates

The preparation of financial statements in conformity with the Financial Reporting Framework for Smalland Medium-Sized Entities requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosures of contingent assets and liabilities at the date of the financial statements and reported amounts of revenues and expenses during the reporting period. Actual results could differ from these estimates.

#### Revenue and Cost Recognition

Revenues from contracts are recognized for financial reporting purposes on the basis of the Company's estimate of the percentage of completion of individual contracts. That portion of the total contract price is accrued which is allocable to the contract costs incurred to date when compared to the estimated total contract costs to be incurred. At the time a loss on a contract becomes known, the entire amount of the estimated loss is recognized.

Contract costs include subcontractor, direct material and labor costs and those indirect costs related to contract performance, such as indirect labor, supplies, tools, repairs, and depreciation costs. General and administrative costs are charged to expense as incurred. Changes in job performance, job conditions, and estimated profitability may result in revisions to costs and income and are recognized in the period in which revisions are determined.

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### LITE CONSTRUCTION, INC. NOTES TO FINANCIAL STATEMENTS September 30, 2022

#### 1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued)

#### Revenue and Cost Recognition (continued)

The asset, "Costs and estimated earnings in excess of billings on uncompleted contracts," represents revenues recognized in excess of amounts billed. The liability, "Billings in excess of costs and estimated earnings on uncompleted contracts," represents billings in excess of revenues recognized.

Accounts receivable includes billings under contracts less billings collected on these contracts.

#### Cash and Cash Equivalents

Cash is defined as currency on hand, in demand deposits, and short-term highly liquid investments readily convertible to cash with a maturity of less than three months when acquired.

#### Accounts Receivable

Accounts receivable are presented at face value, net of the allowance for doubtful accounts. The allowance for doubtful accounts is established through provisions charged against income and is maintained at a level believed adequate by management to absorb estimated bad debts based on current economic conditions and consideration of each receivable balance. As of September 30, 2022, management has evaluated each receivable and considers all amounts to be fully collectible.

#### Fixed Assets

Fixed assets are recorded at cost. Depreciation is computed using straight-line and accelerated methods over the estimated useful lives of the assets. Depreciation expense for the year ended September 30, 2022 was \$338,627.

#### Advertising Expense

The Company expenses advertising costs as incurred. Advertising expense for the year ended September 30, 2022 was \$595.

#### 2. COSTS AND ESTIMATED EARNINGS ON UNCOMPLETED CONTRACTS

Work in process at September 30, 2022 consists of the following:

Costs incurred on uncompleted contracts	\$ 24,306,204
Estimated carnings	1,033,315
	25,339,519
Less billings to date	(25,365,210)
	S (25,691)

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### LITE CONSTRUCTION, INC. NOTES TO FINANCIAL STATEMENTS September 30, 2022

#### 2. COSTS AND ESTIMATED EARNINGS ON UNCOMPLETED CONTRACTS (continued)

Included in the accompanying statement of financial position under the following captions:

Costs and estimated earnings in excess of billings on uncompleted contracts

Billings in excess of costs and estimated earnings on uncompleted contracts

(611,138)

(25,691)

#### 3. CONTRACT INCOME

Contract income at September 30, 2022 consists of the following:

Open contracts	\$ 25,339,519
Closed contracts	7,660,906
Less revenues reported in previous years	(8,015,665)
	\$ 24,984,760

#### 4. CONCENTRATIONS OF CREDIT RISK

The Company maintains cash and certificate of deposit balances at various financial institutions located in the communities surrounding Montgomery, Illinois. The Company's uninsured cash balance for the year ended September 30, 2022 was \$3,185,710.

Concentrations of credit risk with respect to construction contract receivables are limited due to the Company's customer base. Most of the Company's business activity is with customers located within the State of Illinois. The Company requires no collateral.

At September 30, 2022, receivables from three customers, each exceeding 10% of total receivables, accounted for 63% of total receivables. Sales during the year to three customers exceeded 10% of total sales and accounted for 50% of total contract revenue. The Company considers accounts receivable to be fully collectible at September 30, 2022.

#### 5. LINES OF CREDIT

The Company has a line of credit with First National Bank - Yorkville, Illinois which provides for borrowings up to \$200,000 with interest at the prime rate plus 0.50% with a floor of 5.00% (6.25% at September 30, 2022), and expires on October 13, 2022. The line of credit is secured by two certificates of deposit held at the bank.

LITE CONSTRUCTION, INC.
NOTES TO FINANCIAL STATEMENTS
September 30, 2022

#### 5. LINES OF CREDIT (continued)

The Company has a line of credit with Old Second National Bank - North Aurora, Illinois which provides for borrowings up to \$400,000 with interest at the prime rate (6.25% at September 30, 2022), and expires on April 28, 2024. The line of credit is secured by three certificates of deposit held at the bank.

There were no borrowings under the lines of credit as of September 30, 2022.

#### LONG-TERM DEBT

Long-term debt at September 30, 2022 consists of the following:

Less current maturities		12,742
		50,000
	_	66,680
Vehicle loan with monthly installments of \$821 including interest at 3.74% through March 2027		40,693
Vehicle loan with monthly installments of \$494 including interest at 6.90% through December 2027	\$	25,987

Scheduled principal repayments for the years ended September 30, are as follows:

	\$	66,680
Thereafter		1,412
2027		10,406
2026		14,724
2025		14,028
2024		13,368
2023	2	12,742

#### 7. COMPENSATED ABSENCES

Employees of the Company are entitled to paid vacation depending on job classification, length of service, and other factors. It is impracticable to estimate the amount of compensation for future absences, and accordingly, no liability has been recorded in the accompanying financial statements. The Company's policy is to recognize the costs of compensated absences when actually paid to employees.

### LITE CONSTRUCTION, INC. NOTES TO FINANCIAL STATEMENTS September 30, 2022

#### 8. EMPLOYEE BENEFIT PLAN

The Company's employees participate in a Simple 401(k) plan. The employer matches 3% of eligible employee's compensation. The amount contributed by the Company and charged to expense for the year ended September 30, 2022 was \$33,585.

#### 9. INCOME TAXES

Income taxes are provided for the tax effects of transactions reported in the financial statements and consist of taxes currently due. The Company has not reported deferred taxes for temporary timing differences and carryforwards and believes there are no material differences between the amounts reported on the financial statements and current income tax laws.

The provision for income taxes at September 30, 2022 consists of the following:

Current federal income tax	\$	10,887
Current state income tax	-	5,592
	S	16,479

The Company files income tax returns in the U.S. federal jurisdiction and the state of Illinois. The Company is no longer subject to U.S. federal or state income tax examinations by tax authorities for tax years before 2019.

The Company has adopted guidance issued by the Financial Accounting Standards Board (FASB) relating to uncertain tax positions. The Company's policy is to classify income tax related interest and penalties in interest expense and other expenses, respectively. The Company has analyzed tax positions taken and believes that income tax filing positions would be sustained upon examination and does not anticipate any adjustments that would have a material adverse affect on the Company's financial condition, results of operations or cash flows. Accordingly, there were no interest or penalties recognized for uncertain tax positions during the year ended September 30, 2022 and there were no accruals for interest and penalties at September 30, 2022.

#### 10. COLLECTIVE BARGAINING AGREEMENTS AND UNION PENSION PLAN

Substantially the entire labor force is subject to collective bargaining agreements which are renewed periodically. In connection with its collective bargaining agreements with various unions, the Company participates with other companies in the unions' multiemployer pension plans the most significant of which are the Carpenters Benefit Fund, Chicago Carpenters Trust Funds and the Fox Valley Laborers Funds. These plans cover all of the Company's employees who are members of such unions. Total contributions to the plans were \$611,973 for the year ended September 30, 2022.

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### LITE CONSTRUCTION, INC. NOTES TO FINANCIAL STATEMENTS September 30, 2022

#### 11. RELATED PARTY TRANSACTIONS

#### Lease

The Company leases certain property from James and Linda Campbell under three operating leases each expiring on December 31, 2022 and requiring monthly rental amounts of \$1,000. James Campbell is the principal shareholder of Lite Construction, Inc.

Related party rent expense for the year ended September 30, 2022 consists of the following:

Land and building for storage	S	12,000
Land for storage		12,000
Office	-	12,000
	\$	36,000

#### Due from shareholder

Periodically the shareholders have borrowed money from the Company. At September 30, 2022 the shareholders had \$114,660 due to the Company without stated repayment terms or interest rate.

#### 12. SUPPLEMENTAL DISCLOSURES OF CASH FLOW INFORMATION

Cash paid during the year ended September 30, 2022 for:
Interest \$ 5,228

#### 13. SUBSEQUENT EVENTS

Management has evaluated subsequent events through January 13, 2023 the date the financial statements were available to be issued.

#### SUPPLEMENTARY INFORMATION

## LITE CONSTRUCTION, INC. SCHEDULE OF CONTRACT COSTS for the year ended September 30, 2022

Contract costs:	
Materials and supplies	\$ 2,580,453
Subcontractors	18,981,321
Direct labor	807,906
Payroll taxes and union benefits	682,857
Rent	36,000
Rental equipment	1,845
Repairs and maintenance	4,150
Telephone	25,801
Truck expenses	179,941
Other indirect cost	643,726
	\$ 23,944,000

# LITE CONSTRUCTION, INC. SCHEDULE OF GENERAL AND ADMINISTRATIVE EXPENSES for the year ended September 30, 2022

General and administrative expense:	S	595
Advertising	3	
Contributions		8,404
Depreciation		338,627
Miscellaneous		5,279
Office expense		34,823
Payroll taxes		33,748
Employee benefit plan		33,585
Professional fees		43,402
Insurance		73,072
Interest		5,228
Travel and entertainment		40,296
Utilities		5,003
Wages - office		147,081
Wages - officers		218,800
11-8-2	S	987,943

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LITE CONSTRUCTION, INC. SCHEDULE OF BACKLOG September 30, 2022

		Adjusted Contract
Project		Amount
Contracts on which work has not yet begun:		
West Aurora Geothermal	S	6,394,700
Joliet Carl Sandburg HVAC		2,657,000
City of Batavia		2,315,757
Ken Pickerel House		1,192,700
CDB LaSalle Veterans Doors		234,200
WAHS Door Project		181,700
		12,976,057
Uncompleted portion of jobs in progress	ı	7,890,782
	S	20,866,839

Backlog represents the amount of revenue on contracts the Company expects to realize from work to be performed on uncompleted contracts in process at year end and from contractual agreements on which work has not yet begun.

16

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				100,001	146'002	36'95	420,001	114'412	*****	210,02	174,485	144,000	SH EMAIS
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				117,311	111,511	13'169	950'001	CHENGI	10'428	13,169	104243	114'911	Sandwich High School
				110,261	120,561	23,503	1:00001	ESTEGI	14:24	12,505	109,332	133,037	How York Direct
				DOT, DCC	007,422	20,518	100.001	E81,312	768 €	816,05	581,812	DOT, BCE	Kaneland Susymer 2021
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LITE CONSTRUCTION, INC.
25 of and for the year ended September 30, 2022

STATE OF ILLINOIS	)	
		SS
COLINTY OF KANE	)	

#### **RESOLUTION NO. TMP-23-1170**

# RATIFYING AN EMERGENCY PURCHASE AFFIDAVIT TO PURCHASE A 2023 FORD ESCAPE HYBRID FOR THE INFORMATION TECHNOLOGIES DEPARTMENT

WHEREAS, the Information Technologies Department has requested and received emergency purchase authorization from the Kane County Board Chairman, pursuant to Kane County Code Chapter 2, Article VI, Division 3, Section 2-217 (A); and

WHEREAS, there is a global supply chain issue impacting the availability, price and ability to purchase vehicles pursuant to the bidding requirements of the Kane County Purchasing Ordinance; and

WHEREAS, the Information Technologies Department has located one Ford Escape Hybrid at Hennessy's River View Ford of Oswego, Illinois for the amount of \$43,376.00.

NOW, THEREFORE, BE IT RESOLVED by the Kane County Board that the Emergency Purchase Affidavit, submitted by the Kane County Information Technologies Department and authorized by the County Board Chairman, is hereby ratified for the purchase of one Ford Escape Hybrid in the amount of Forty-Three Thousand, Three Hundred and Seventy-Six Dollars (\$43,376) from Hennessy's River View Ford 2200 US Highway 30, Oswego, IL 60543.

Line Item: 500.800.805.70070

Line Item Description: Capital Projects. Automotive Equipment

Was Personnel/Item/Service approved in original budget or a subsequent budget revision? Yes Are funds currently available for this Personnel/Item/Service in the specific line item? Yes If funds are not currently available in the specified line item, where are the funds available? N/A

Passed by the Kane County Board on October 10, 2023.

John A. Cunningham, MBA, J.D.

Clerk, County Board

Kane County, Illinois

Corinne M. Pierog MA, MBA
Chairman, County Board
Kane County, Illinois

Vote:



#### **RESOLUTION/ORDINANCE EXECUTIVE SUMMARY**

Resolution: No.

Ratifying an Emergency Purchase Affidavit to Purchase a 2023 Ford Escape Hybrid for the Information Technologies Department

Committee Flow: Administration Committee, Finance and Budget Committee,

Executive Committee, County Board Contact: Charles Lasky, 630-232-5827

#### **Budget Information**:

Was this item budgeted? Yes	Appropriation Amount: \$43,376
If not budgeted, explain funding source:	

#### **Summary**:

Ratifying an Emergency Purchase Affidavit to purchase a 2023 Ford Escape Hybrid from Hennessy's River View Ford of Oswego in the amount of \$43,376.

STATE OF ILLINOIS	)	
		SS
COUNTY OF KANE	)	

#### **RESOLUTION NO. TMP-23-1183**

## AUTHORIZING EXPENDITURE OF FUNDS FOR MULTI-FUNCTION COPIER DEVICES, SERVICE SOLUTIONS, PRINT GOODS, AND SERVICE RENEWAL

WHEREAS, Pursuant to article VII, section 10, of the Illinois Constitution of 1970, and the Intergovernmental Cooperation Act, 5 ILCS 220/1, et seq; the County is permitted to procure materials, services, supplies, equipment, construction, and construction-related services through other governmental agencies, provided certain conditions are satisfied; and

WHEREAS, Article VI, Division 3, section 2-221 of the Kane County Code permits joint purchasing when the procurements are made pursuant to a written agreement, competitive selection procedures were used, the intent is not to circumvent competitive bidding, and the county is authorized under law or regulation to contract with another government agency; and

WHEREAS, OMNIA Partners is a cooperative purchasing organization that aggregates the purchasing power of governmental entities nationwide; and

WHEREAS, OMNIA Partners offers access to cooperative purchasing agreements that have been awarded through a request for proposal competitive solicitation issued by a governmental entity, also known as a principal procurement agency; and

WHEREAS, in order for another governmental entity, also known as a participating public agency, to utilize agreements available through OMNIA Partners, the participating agency may execute a Master Intergovernmental Cooperative Purchasing Agreement ("MICPA)"; and

WHEREAS, the MICPA is an agreement between the principal procurement agencies and the participating public agencies that permits the participating public agencies to purchase products pursuant to the master agreements executed by the principal procurement agencies and the third party businesses; and

WHEREAS, the Purchasing Department of Kane wishes to execute the MICPA in order to cooperatively utilize master agreements made available through OMNIA Partners in accordance with Article VI, Division 3, Section 2-221 of the Kane County Code; and

WHEREAS, the Kane County Information Technologies Department desires to utilize the OMNIA Partners Cooperative with Toshiba to purchase copiers, printers, and related services; and

WHEREAS, The Omnia Partners contract was publicly bid by University of California of California and is available under Contract Number 2020002755; and

WHEREAS, The Omnia Partners contract number 2020002755 was awarded from

File Number: TMP-23-1183

December 16, 2020 through December 15, 2025 with the option to renew for five (5) additional one (1) year periods through December 15, 2030; and

WHEREAS, The Omnia Partners contract was publicly bid by County of DuPage of Illinois and is available under Contract Number FI-R-0251-18; and

WHEREAS, The Omnia Partners contract number FI-R-0251-18 was awarded from October 1, 2018 through September 30, 2023 and has been extended to March 31, 2024; and

WHEREAS, Kane County has used the Omnia Partners contract in the past; and

WHEREAS, these purchases call for the use of funds during multiple budget years; and

WHEREAS, Kane County acknowledges the necessity of the appropriation of such funds from multiple County funds and line items at a cost not to exceed \$150,000 per year.

NOW, THEREFORE, BE IT RESOLVED by the Kane County Board that the Information Technologies Department is hereby authorized to expend not to exceed One Hundred and Fifty Thousand Dollars (\$150,000) per year utilizing the OMNIA Partners Cooperative to purchase copiers, printers, and related services through Canon through March 31, 2024 to be paid from various line items as needed for departments and offices.

NOW, THEREFORE, BE IT FURTHER RESOLVED that the Kane County Board Chairman and the Information Technologies Department are authorized to purchase and enter into joint purchasing agreements with OMNIA Partners, University of California (Contract # 2020002755), and County of DuPage (Contract # FI-R-0251-18), and Canon for the purchase and lease of copiers, multi-function printers, scanners, parts, services, maintenance, and supplies.

Passed by the Kane County Board on October 10, 2023.

John A. Cunningham, MBA, J.D. Clerk, County Board Kane County, Illinois

Corinne M. Pierog MA, MBA Chairman, County Board Kane County, Illinois

Vote:



#### RESOLUTION/ORDINANCE EXECUTIVE SUMMARY

Resolution: No. Authorizing Expenditure of Funds for Multi-Function Copier Devices and Service Solutions and Print Goods and Service Renewal

Committee Flow: Administration Committee, Finance and Budget Committee,

Executive Committee, County Board Contact: Charles Lasky, 630-232-5827

#### **Budget Information:**

Was this item budgeted? Yes	Appropriation Amount: \$150,000
If not budgeted, explain funding source:	

#### Summary:

Resolution authorizing \$150,000 per fiscal year for copiers, printers, and related services. This resolution also renews the OMNIA agreement with Canon through March of 2024.

Each year the Information Technologies Department purchases replacement and/or new copiers and printers and related services on behalf of the County offices and departments. By utilizing the joint purchase capabilities of the OMNIA Partners Cooperative with Canon, we can receive favorable pricing for these purchases and are able to find additional items that are in stock and ready to ship.

STATE OF ILLINOIS	)	
		SS
COUNTY OF KANE	)	

#### **RESOLUTION NO. TMP-23-1187**

## AUTHORIZING EXPENDITURE OF FUNDS FOR COPIERS, PRINTERS, AND RELATED SERVICES RENEWAL

WHEREAS, Pursuant to article VII, section 10, of the Illinois Constitution of 1970, and the Intergovernmental Cooperation Act, 5 ILCS 220/1, et seq; the County is permitted to procure materials, services, supplies, equipment, construction and construction-related services through other governmental agencies, provided certain conditions are satisfied; and

WHEREAS, Article VI, Division 3, section 2-221 of the Kane County Code permits joint purchasing when the procurements are made pursuant to a written agreement, competitive selection procedures were used, the intent is not to circumvent competitive bidding, and the county is authorized under law or regulation to contract with another government agency; and

WHEREAS, OMNIA Partners is a cooperative purchasing organization that aggregates the purchasing power of governmental entities nationwide; and

WHEREAS, OMNIA Partners offers access to cooperative purchasing agreements that have been awarded through a request for proposal competitive solicitation issued by a governmental entity, also known as a principal procurement agency; and

WHEREAS, in order for another governmental entity, also known as a participating public agency, to utilize agreements available through OMNIA Partners, the participating agency may execute a Master Intergovernmental Cooperative Purchasing Agreement ("MICPA)"; and

WHEREAS, the MICPA is an agreement between the principal procurement agencies and the participating public agencies that permits the participating public agencies to purchase products pursuant to the master agreements executed by the principal procurement agencies and the third party businesses; and

WHEREAS, the Purchasing Department of Kane wishes to execute the MICPA in order to cooperatively utilize master agreements made available through OMNIA Partners in accordance with Article VI, Division 3, Section 2-221 of the Kane County Code; and

WHEREAS, the Kane County Information Technologies Department desires to utilize the OMNIA Partners Cooperative with Toshiba to purchase copiers, printers, and related services; and

WHEREAS, the Omnia Partners contract was publicly bid by Region 4 Education Service Center (ESC) of Houston, Texas and is available under Contract Number R191103; and

File Number: TMP-23-1187

WHEREAS, the Omnia Partners contract was awarded from June 1, 2020 through May 31, 2023 with the option to renew for two (2) additional one (1) year periods through May 31, 2025; and

WHEREAS, Kane County has used the Omnia Partners contract in the past; and

WHEREAS, these purchases call for the use of funds during multiple budget years; and

WHEREAS, Kane County acknowledges the necessity of the appropriation of such funds from multiple County funds and line items at a cost not to exceed \$150,000 per year.

NOW, THEREFORE, BE IT RESOLVED by the Kane County Board that the Information Technologies Department is hereby authorized to expend a not to exceed One Hundred and Fifty Thousand Dollars (\$150,000) per year utilizing the OMNIA Partners Cooperative to purchase copiers, printers, and related services through Toshiba through May 31, 2024 to be paid from various line items as needed for departments and offices.

NOW, THEREFORE, BE IT FURTHER RESOLVED that the Kane County Board Chairman and the Information Technologies Department are authorized to purchase and enter into joint purchasing agreements with OMNIA Partners, Region 4 Education Service Center (ESC) of Houston, Texas (Contract # R191103), and Toshiba for the purchase and lease of copiers, multi-function printers, scanners, parts, services, maintenance, and supplies.

Passed by the Kane County Board on October 10, 2023.

John A. Cunningham, MBA, J.D. Clerk, County Board Kane County, Illinois

Corinne M. Pierog MA, MBA Chairman, County Board Kane County, Illinois

Vote:



#### RESOLUTION/ORDINANCE EXECUTIVE SUMMARY

<u>Resolution: No.</u> Authorizing Expenditure of Funds for Copiers, Printers, and Related Services Renewal

Committee Flow: Administration Committee, Finance and Budget Committee,

Executive Committee, County Board Contact: Charles Lasky, 630-232-5827

#### **Budget Information:**

Was this item budgeted? Yes	Appropriation Amount: \$150,000
If not budgeted, explain funding source:	

#### **Summary**:

Resolution authorizing \$150,000 per fiscal year for copiers, printers, and related services. This resolution also renews the OMNIA agreement with Toshiba through May of 2024.

Each year the Information Technologies Department purchases replacement and/or new copiers and printers and related services on behalf of the County offices and departments. By utilizing the joint purchase capabilities of the OMNIA Partners Cooperative with Toshiba, we can receive favorable pricing for these purchases and are able to find additional items that are in stock and ready to ship.

STATE OF ILLINOIS	)	
		SS
COUNTY OF KANE	)	

#### **RESOLUTION NO. TMP-23-1188**

## AUTHORIZING EXPENDITURE OF FUNDS FOR COPIERS, PRINTERS, AND RELATED SERVICES RENEWAL

WHEREAS, Pursuant to article VII, section 10, of the Illinois Constitution of 1970, and the Intergovernmental Cooperation Act, 5 ILCS 220/1, et seq; the County is permitted to procure materials, services, supplies, equipment, construction and construction-related services through other governmental agencies, provided certain conditions are satisfied; and

WHEREAS, Article VI, Division 3, section 2-221 of the Kane County Code permits joint purchasing when the procurements are made pursuant to a written agreement, competitive selection procedures were used, the intent is not to circumvent competitive bidding, and the county is authorized under law or regulation to contract with another government agency; and

WHEREAS, OMNIA Partners is a cooperative purchasing organization that aggregates the purchasing power of governmental entities nationwide; and

WHEREAS, OMNIA Partners offers access to cooperative purchasing agreements that have been awarded through a request for proposal competitive solicitation issued by a governmental entity, also known as a principal procurement agency; and

WHEREAS, in order for another governmental entity, also known as a participating public agency, to utilize agreements available through OMNIA Partners, the participating agency may execute a Master Intergovernmental Cooperative Purchasing Agreement ("MICPA)"; and

WHEREAS, the MICPA is an agreement between the principal procurement agencies and the participating public agencies that permits the participating public agencies to purchase products pursuant to the master agreements executed by the principal procurement agencies and the third party businesses; and

WHEREAS, the Purchasing Department of Kane wishes to execute the MICPA in order to cooperatively utilize master agreements made available through OMNIA Partners in accordance with Article VI, Division 3, Section 2-221 of the Kane County Code; a

WHEREAS, the Kane County Information Technologies Department desires to utilize the OMNIA Partners Cooperative with Xerox to purchase copiers, printers, and related services; and

WHEREAS, the Omnia Partners contract was publicly bid by Region 4 Education Service Center (ESC) of Houston, Texas and is available under Contract Number R191104; and

File Number: TMP-23-1188

WHEREAS, the Omnia Partners contract number R191104 was awarded from June 1, 2020 through May 31, 2023 with the option to renew for two (2) additional one (1) year periods through May 31, 2025; and

WHEREAS, Kane County has used the Omnia Partners contract in the past; and

WHEREAS, these purchases call for the use of funds during multiple budget years; and

WHEREAS, Kane County acknowledges the necessity of the appropriation of such funds from multiple County funds and line items at a cost not to exceed \$150,000 per year.

NOW, THEREFORE, BE IT RESOLVED by the Kane County Board that the Information Technologies Department is hereby authorized to expend a not to exceed One Hundred and Fifty Thousand Dollars (\$150,000) per year utilizing the OMNIA Partners Cooperative to purchase copiers, printers, and related services through Xerox through May 31, 2024 to be paid from various line items as needed for departments and offices.

NOW, THEREFORE, BE IT FURTHER RESOLVED that the Kane County Board Chairman and the Information Technologies Department are authorized to purchase and enter into joint purchasing agreements with OMNIA Partners, Region 4 Education Service Center (ESC) of Houston, Texas (Contract # R191104), and Xerox for the purchase and lease of copiers, multi-function printers, scanners, parts, services, maintenance, and supplies.

Passed by the Kane County Board on October 10, 2023.

John A. Cunningham, MBA, J.D. Clerk, County Board Kane County, Illinois

Corinne M. Pierog MA, MBA Chairman, County Board Kane County, Illinois

Vote:



#### RESOLUTION/ORDINANCE EXECUTIVE SUMMARY

<u>Resolution: No.</u> Authorizing Expenditure of Funds for Copiers, Printers, and Related Services Renewal

Committee Flow: Administration Committee, Finance and Budget Committee,

Executive Committee, County Board Contact: Charles Lasky, 630-232-5827

#### **Budget Information:**

Was this item budgeted? Yes	Appropriation Amount: \$150,000
If not budgeted, explain funding source:	

#### **Summary**:

Resolution authorizing \$150,000 per fiscal year for copiers, printers, and related services. This resolution also renews the OMNIA agreement with XEROX through May of 2024.

Each year the Information Technologies Department purchases replacement and/or new copiers and printers and related services on behalf of the County offices and departments. By utilizing the joint purchase capabilities of the OMNIA Partners Cooperative with XEROX, we can receive favorable pricing for these purchases and are able to find additional items that are in stock and ready to ship.

STATE OF ILLINOIS	)	
COUNTY OF KANE	)	SS

#### **RESOLUTION NO. TMP-23-1224**

### AUTHORIZING EXPENDITURE OF FUNDS FOR NETWORK STORAGE AND SERVICES

WHEREAS, Pursuant to article VII, section 10, of the Illinois Constitution of 1970, and the Intergovernmental Cooperation Act, 5 ILCS 220/1, et seq., the County is permitted to procure materials, services, supplies, equipment, construction and construction-related services through, other governmental agencies, provided certain conditions are satisfied; and

WHEREAS, Article VI, Division 3, Section 2-221 of the Kane County Code permits joint purchasing when the procurements are made pursuant to a written agreement, competitive selection procedures were used, the intent is not to circumvent competitive bidding, and the county is authorized under law or regulation to contract with another government agency; and

WHEREAS, OMNIA Partners is a cooperative purchasing organization that aggregates the purchasing power of governmental entities nationwide; and

WHEREAS, OMNIA Partners offers access to cooperative purchasing agreements that have been awarded through a request for proposal competitive solicitation issued by a governmental entity, also known as a principal procurement agency; and

WHEREAS, in order for another governmental entity, also known as a participating public agency, to utilize agreements available through OMNIA Partners, the participating agency may execute a Master Intergovernmental Cooperative Purchasing Agreement ("MICPA"); and

WHEREAS, the MICPA is an agreement between the principal procurement agencies and the participating public agencies that permits the participating public agencies to purchase products pursuant to the master agreements executed by the principal procurement agencies and the third-party businesses; and

WHEREAS, the Purchasing Department of Kane wishes to execute the MICPA in order to cooperatively utilize master agreements made available through OMNIA Partners in accordance with Article VI, Division 3, Section 2-221 of the Kane County Code.

WHEREAS, the Kane County Information Technologies Department desires to utilize the Omnia Partners Cooperative to purchase Network Storage and services from Insight Public Sector, Inc; and

WHEREAS, the OMNIA Partners contract was publicly bid by Cobb County, GA and is available under Contract Number: 23-6692-03; and

WHEREAS, the OMNIA Partners Contract was awarded from May 1, 2023 through

File Number: TMP-23-1224

April 30, 2026 with the option to renew for two (2) additional one (1) year periods through April 30, 2028; and

WHEREAS, Kane County has used the Omnia Partners contract in the past; and

WHEREAS, this purchase calls for the use of funds during multiple budget years; and

WHEREAS, Kane County acknowledges the necessity of the appropriation of such funds from multiple County funds and line items at a cost not to exceed Eight Hundred and Twenty Thousand Dollars (\$820,000) per fiscal year.

NOW, THEREFORE, BE IT RESOLVED by the Kane County Board that the Chairman thereof is hereby authorized and directed to enter into contract with Insight Public Sector through Omnia Partners Contract Number: 23-6692-03.

NOW, THEREFORE, BE IT FURTHER RESOLVED by the Kane County Board that the Information Technologies Department is hereby authorized to expend a not to exceed amount of Eight Hundred and Twenty Thousand Dollars (\$820,000) for network storage and services per fiscal year through April 30, 2026 to be paid from various line items as needed for departments and offices.

Line Item: 500.800.801.70000, various

Line Item Description: Capital Computer Equipment Various

Was Personnel/Item/Service approved in original budget or a subsequent budget revision? Yes Are funds currently available for this Personnel/Item/Service in the specific line item? Yes If funds are not currently available in the specified line item, where are the funds available? N/A

Passed by the Kane County Board on October 10, 2023.

John A. Cunningham, MBA, J.D. Clerk, County Board Kane County, Illinois

Corinne M. Pierog MA, MBA Chairman, County Board Kane County, Illinois

Vote:



#### **RESOLUTION/ORDINANCE EXECUTIVE SUMMARY**

### <u>Resolution: No.</u> AUTHORIZING EXPENDITURE OF FUNDS FOR NETWORK STORAGE AND SERVICES

Committee Flow: Administration Committee, Finance and Budget Committee,

Executive Committee, County Board Contact: Charles Lasky, 630-232-5827

#### **Budget Information**:

Was this item budgeted? Yes	Appropriation Amount: \$820,000
If not budgeted, explain funding source:	

#### **Summary**:

This resolution is authorizing the expenditure of funds for network storage and services through OMNIA for Insight Public Sector, Inc until April 30<sup>th</sup>, 2026. The resolution authorizes an amount not to exceed \$820,000 per fiscal year.

STATE OF ILLINOIS	)	
		SS
COUNTY OF KANE	)	

#### **RESOLUTION NO. TMP-23-1225**

## AUTHORIZING EXPENDITURE OF FUNDS FOR COMPUTER HARDWARE, SOFTWARE, AND SERVICES

WHEREAS, Pursuant to article VII, section 10, of the Illinois Constitution of 1970, and the Intergovernmental Cooperation Act, 5 ILCS 220/1, et seq., the County is permitted to procure materials, services, supplies, equipment, construction and construction-related services through other governmental agencies, provided certain conditions are satisfied; and WHEREAS, Click or tap here to enter text.

WHEREAS, Article VI, Division 3, Section 2-221 of the Kane County Code permits joint purchasing when the procurements are made pursuant to a written agreement, competitive selection procedures were used, the intent is not to circumvent competitive bidding, and the county is authorized under law or regulation to contract with another government agency; and

WHEREAS, OMNIA Partners is a cooperative purchasing organization that aggregates the purchasing power of governmental entities nationwide; and

WHEREAS, OMNIA Partners offers access to cooperative purchasing agreements that have been awarded through a request for proposal competitive solicitation issued by a governmental entity, also known as a principal procurement agency; and

WHEREAS, in order for another governmental entity, also known as a participating public agency, to utilize agreements available through OMNIA Partners, the participating agency may execute a Master Intergovernmental Cooperative Purchasing Agreement ("MICPA"); and

WHEREAS, the MICPA is an agreement between the principal procurement agencies and the participating public agencies that permits the participating public agencies to purchase products pursuant to the master agreements executed by the principal procurement agencies and the third-party businesses; and

WHEREAS, the Purchasing Department of Kane wishes to execute the MICPA in order to cooperatively utilize master agreements made available through OMNIA Partners in accordance with Article VI, Division 3, Section 2-221 of the Kane County Code.

WHEREAS, the Kane County Information Technologies Department desires to utilize the Omnia Partners Cooperative to purchase computer hardware, software and services from Insight Public Sector, Inc; and

WHEREAS, the OMNIA Partners contract was publicly bid by Cobb County, GA and is available under Contract Number: 23-6692-03; and

File Number: TMP-23-1225

WHEREAS, the OMNIA Partners Contract was awarded from May 1, 2023 through April 30, 2026 with the option to renew for two (2) additional one (1) year periods through April 30, 2028; and

WHEREAS, Kane County has used the Omnia Partners contract in the past; and

WHEREAS, this purchase calls for the use of funds during multiple budget years; and

WHEREAS, Kane County acknowledges the necessity of the appropriation of such funds from multiple County funds and line items at a cost not to exceed Nine Hundred Thousand Dollars (\$900,000) per fiscal year.

NOW, THEREFORE, BE IT RESOLVED by the Kane County Board that the Chairman thereof is hereby authorized and directed to enter into contract with Insight Public Sector through Omnia Partners Contract Number: 23-6692-03.

NOW, THEREFORE, BE IT FURTHER RESOLVED by the Kane County Board that the Information Technologies Department is hereby authorized to expend a not to exceed amount of Nine Hundred Thousand Dollars (\$900,000) for computer hardware, software and services per fiscal year through April 30, 2026 to be paid from various line items as needed for departments and offices.

Line Item: 500.800.801.70000,001.800.801.50340 various

Line Item Description: Capital Computer Equipment, Computer Software, Various

Was Personnel/Item/Service approved in original budget or a subsequent budget revision? Yes

Are funds currently available for this Personnel/Item/Service in the specific line item? Yes

If funds are not currently available in the specified line item, where are the funds available? N/A

Passed by the Kane County Board on October 10, 2023.

John A. Cunningham, MBA, J.D. Clerk, County Board Kane County, Illinois Corinne M. Pierog MA, MBA Chairman, County Board Kane County, Illinois

Vote:



### **RESOLUTION/ORDINANCE EXECUTIVE SUMMARY**

### <u>Resolution: No.</u> AUTHORIZING EXPENDITURE OF FUNDS FOR COMPUTER HARDWARE, SOFTWARE AND SERVICES

Committee Flow: Administration Committee, Finance and Budget Committee,

Executive Committee, County Board Contact: Charles Lasky, 630-232-5827

#### **Budget Information:**

Was this item budgeted? Yes	Appropriation Amount: \$900,000
If not budgeted, explain funding source:	

#### **Summary**:

This resolution is authorizing the expenditure of funds for computer hardware, software and services through OMNIA for Insight Public Sector, Inc. until April 30<sup>th</sup>, 2026. The resolution authorizes an amount not to exceed \$900,000 per fiscal year.

STATE OF ILLINOIS	)	
		SS
COUNTY OF KANE	)	

### **RESOLUTION NO. TMP-23-1190**

### AUTHORIZING THE EXTENSION FOR LANDSCAPE MAINTENANCE SERVICE FOR THE MILL CREEK SPECIAL SERVICE AREA

WHEREAS, Kane County Board resolution 21-153 authorized an agreement with Cornerstone Partners Horticultural Services Company of St. Charles to provide landscape maintenance services for the Mill Creek Special Service Area (SSA) for a two-year term with an option for three, one-year renewals; and

WHEREAS, Kane County Board resolution 23-17 authorized the first one-year extension with Cornerstone Partners Horticultural Services Company; and

WHEREAS, Cornerstone Partners Horticultural Services Company agrees to a second one-year extension of the contract for an additional one-year of services at the same unit cost as the original agreement; and

WHEREAS, the County has the need to use Cornerstone Partners Horticultural Services Company for additional services for the Mill Creek SSA; and

WHEREAS, the original Resolution authorized an agreement with Cornerstone Partners Horticultural Services for landscape maintenance service at a cost of One Hundred Thirty-Nine Thousand, Eight Hundred Dollars and Seventy-Two Cents (\$139,800.72) and;

WHEREAS, the Mill Creek SSA requires additional services from Cornerstone Partners Horticultural Services for landscape maintenance service at a cost of Fifty Thousand Dollars (\$50,000) totaling One Hundred Eighty-Nine Thousand, Eight Hundred Dollars and Seventy-Two cents (\$189,800.72) per fiscal year.

NOW, THEREFORE, BE IT RESOLVED by the Kane County Board that the Chairman thereof is hereby authorized to execute a one-year contract extension with Cornerstone Partners Horticultural Services of St. Charles for Landscape Maintenance Services for the Mill Creek SSA; and

NOW, THEREFORE, BE IT FURTHER RESOLVED by the Kane County Board that the Mill Creek SSA is hereby authorized to expend up to One Hundred Eighty-Nine Thousand, Eight Hundred Dollars and Seventy-Two cents (\$189,800.72) per fiscal year with Cornerstone Partners Horticultural Services of St. Charles for Landscape Maintenance Services.

Line Item: 520.690.730.52120

Line Item Description: Repairs and Maintenance Grounds

Was Personnel/Item/Service approved in original budget or a subsequent budget revision? Yes Are funds currently available for this Personnel/Item/Service in the specific line item? Yes

File Number: TMP-23-1190

If funds are not currently available in the specified line item, where are the funds available? N/A

Passed by the Kane County Board on October 10, 2023.

John A. Cunningham, MBA, J.D. Clerk, County Board Kane County, Illinois

Corinne M. Pierog MA, MBA Chairman, County Board Kane County, Illinois

Vote:



#### RESOLUTION/ORDINANCE EXECUTIVE SUMMARY

### Resolution: No. AUTHORIZING THE EXTENSION FOR LANDSCAPE MAINTENANCE SERVICE FOR THE MILL CREEK SSA

Committee Flow: Administration Committee, Finance and Budget Committee,

Executive Committee, County Board

Contact: Roger Fahnestock, 630-232-3571

#### **Budget Information:**

Was this item budgeted? Yes	Appropriation Amount: \$189,800.72
If not budgeted, explain funding source:	

#### **Summary**:

Resolution authorizing the one-year extension for landscape maintenance service for the Mill Creek SSA with Cornerstone Partners Horticultural Services Company. The Kane County board is authorizing that Mill Creek SSA is authorized to expend up to \$189,800.72 per fiscal year.

STATE OF ILLINOIS	)	
		SS
COUNTY OF KANE	)	

### **RESOLUTION NO. TMP-23-1191**

### AUTHORIZATION FOR MILL CREEK PARKWAY TREE INSTALLATION SERVICES CONTRACT EXTENSION

WHEREAS, Kane County Board resolution 20-76 authorized an agreement with Langton Group of Woodstock, IL for parkway tree installation services for the Mill Creek Special Service Area (SSA) for a two-year term with an option for three, one-year renewals; and

WHEREAS, the Kane County Board authorized a one-year extension with resolution 23-16 and Langton Group agrees to the second extension of the agreement for an additional one-year of services at the same unit cost as the original agreement; and

WHEREAS, the County has the continuous need to use Langton Group for additional services for the Mill Creek SSA; and

WHEREAS, the Mill Creek SSA has increased demand for tree installation services and is requesting authorization to spend Sixty Thousand Dollars (\$60,000) per fiscal year with Langton Group of Woodstock.

NOW, THEREFORE, BE IT RESOLVED by the Kane County Board that the Chairman thereof is hereby authorized to execute a one-year contract extension with Langton Group of Woodstock for Parkway Tree Installation Services in an amount not to exceed Sixty Thousand Dollars (\$60,000) per fiscal year.

Line Item: 520.690.730.52120

Line Item Description: Repairs and Maintenance Grounds

Was Personnel/Item/Service approved in original budget or a subsequent budget revision? Yes Are funds currently available for this Personnel/Item/Service in the specific line item? Yes If funds are not currently available in the specified line item, where are the funds available? N/A

Passed by the Kane County Board on October 10, 2023.

John A. Cunningham, MBA, J.D. Clerk, County Board Kane County, Illinois

Corinne M. Pierog MA, MBA Chairman, County Board Kane County, Illinois

Vote:



### **RESOLUTION/ORDINANCE EXECUTIVE SUMMARY**

### Resolution: No. AUTHORIZING THE EXTENSION FOR MILL CREEK SSA PARKWAY TREE & STUMP REMOVAL SERVICES

Committee Flow: Administration Committee, Finance and Budget Committee,

**Executive Committee, County Board** 

Contact: Roger Fahnestock, 630-232-3571

#### **Budget Information:**

Was this item budgeted? Yes	Appropriation Amount: \$60,000
If not budgeted, explain funding source:	

#### **Summary**:

Resolution authorizing a contract extension for Mill Creek SSA Parkway tree and stump removal through Langton Group. Authorized for an amount not to exceed \$60,000 per fiscal year.

STATE OF ILLINOIS	)	
		SS
COLINTY OF KANE	)	

### **RESOLUTION NO. TMP-23-1192**

### AUTHORIZING AN EXTENSION OF CONCRETE LIFTING AND REPAIR SERVICES AGREEMENT FOR THE MILL CREEK SPECIAL SERVICE AREA

WHEREAS, bids were solicited for Concrete Lifting and Repair Services for the Mill Creek Special Service Area (SSA) (BID#09-020); and

WHEREAS, the lowest responsive and responsible bidder, as per bid documents and specifications was Raise-Rite Concrete Lifting, of Carol Stream, IL; and

WHEREAS, this is the second renewal of three (3) additional one (1) year renewal periods. Kane County reserves the right to renegotiate the scope of the work to meet its budgetary demands and the right to add additional services; an

WHEREAS, appropriate funds have been budgeted and are available in the FY2023 Mill Creek SSA operating budget; and

NOW, THEREFORE, BE IT RESOLVED by the Kane County Board that the Chairman thereof is hereby authorized to execute a one-year contract extension with Raise-Rite Concrete Lifting, Inc. 195 Kehoe Boulevard #5, Carol Stream, IL 60188 in a not to exceed amount of Thirty Thousand Dollars (\$30,000) per fiscal year.

Line Item: 520.690.730.52120

Line Item Description: Repairs and Maintenance Grounds

Was Personnel/Item/Service approved in original budget or a subsequent budget revision? Yes Are funds currently available for this Personnel/Item/Service in the specific line item? Yes If funds are not currently available in the specified line item, where are the funds available? N/A

Passed by the Kane County Board on October 10, 2023.

John A. Cunningham, MBA, J.D.

Clerk, County Board

Kane County, Illinois

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Corinne M. Pierog MA, MBA Chairman, County Board Kane County, Illinois

Vote:



### **RESOLUTION/ORDINANCE EXECUTIVE SUMMARY**

### Resolution: No. AUTHORIZING A CONTRACT EXTENSION FOR MILL CREEK SSA CONCRETE LIFTING & REPAIR SERVICES

Committee Flow: Administration Committee, Finance and Budget Committee,

**Executive Committee, County Board** 

Contact: Roger Fahnestock, 630-232-3571

#### **Budget Information:**

Was this item budgeted? Yes	Appropriation Amount: \$30,000
If not budgeted, explain funding source:	

#### **Summary**:

Authorizing the contract extension of one year for Mill Creek SSA concrete lifting & repair services through Raise-Rite Concrete Lifting for a not to exceed amount of \$30,000 per fiscal year.

STATE OF ILLINOIS	)	00
COUNTY OF KANE	)	SS

### **RESOLUTION NO. TMP-23-1197**

### AUTHORIZING AN AGREEMENT FOR MILL CREEK SPECIAL SERVICE AREA SNOW PLOWING SERVICES

WHEREAS, the fiscal agent for the Mill Creek Special Service Area (SSA), Kane County has solicited and received bids (BID#23-050) for the snow plowing and salting services; and

WHEREAS, the lowest responsible bidder, as per bid documents and specifications was Countywide Landscaping, Inc., 42W892 Beith Road Elburn, IL 60119; and

WHEREAS, the proposed agreement is a three-year "Zero Tolerance Accumulation" contract, with two optional, mutually agreed upon one-year extensions as outlined in the bid specifications; and

WHEREAS, the cost of the Mill Creek SSA snow plowing is not to exceed One Hundred and Sixty-One Thousand Dollars (\$161,000) per fiscal year; and

WHEREAS, funds have been budgeted and will be paid from the Mill Creek SSA repairs and Maintenance-Roads fund (520.690.730.52020); and

WHEREAS, the Contract calls for the use of funds beyond the present budget year and the County of Kane acknowledges the necessity of the appropriation of such funds.

NOW, THEREFORE, BE IT RESOLVED by the Kane County Board that the Chairman thereof is hereby authorized to execute a three-year contract with Countywide Landscaping, Inc, 42W892 Beith Road Elburn, IL 60119 for snow removal and salting services for the Mill Creek SSA in an amount not to exceed One Hundred and Sixty-One Thousand Dollars (\$161,000) per fiscal year.

Line Item: 520.690.730.52020

Line Item Description: Repairs Maintenance Roads

Was Personnel/Item/Service approved in original budget or a subsequent budget revision? Yes Are funds currently available for this Personnel/Item/Service in the specific line item? Yes If funds are not currently available in the specified line item, where are the funds available? N/A

Passed by the Kane County Board on October 10, 2023.

John A. Cunningham, MBA, J.D. Clerk, County Board Kane County, Illinois

Corinne M. Pierog MA, MBA Chairman, County Board Kane County, Illinois File Number: TMP-23-1197

Vote:



### **RESOLUTION/ORDINANCE EXECUTIVE SUMMARY**

Resolution: No. AUTHORIZING A CONTRACT FOR MILL CREEK

**SSA SNOW PLOWING** 

Committee Flow: Administration Committee, Finance and Budget Committee,

Executive Committee, County Board

Contact: Roger Fahenstock, 630-232-3571

#### **Budget Information:**

Was this item budgeted? Yes	Appropriation Amount: \$161,000
If not budgeted, explain funding source:	

#### **Summary**:

Resolution authorizing a contract for Mill Creek SSA Snow Plowing through Countywide Landscaping, Inc. Authorizing a three (3) year "Zero Tolerance Accumulation" contract for an amount not to exceed \$161,000 per fiscal year.

### PRESENTATION/DISCUSSION NO. TMP-23-1229 BUILDING MANAGEMENT DEPARTMENT

## PRESENTATION/DISCUSSION NO. TMP-23-1230 INFORMATION TECHNOLOGY DEPARTMENT

# PRESENTATION/DISCUSSION NO. TMP-23-1227 GIS DEPARTMENT

Office or Department Name: GIS-Technologies - Special Revenue

Fund/Dept/Sub-Dept: 101.060.070

		2	2024 Propos	ed Budget
	1ST Review	2nd Review	Change	Comment
Total Revenue Budget	1,816,455	1,777,642	(38,813)	Recordings down
Personnel Expense Headcount	10.22	10.47	0.25	25% of Salary DEV EMP
Union Wages				
Non-Union Salary & Wages	719,358	735,110	15,752	Added DEV EMP at 25%
Benefits	248,282	217,243	(31,039)	Finance entered
Total Payroll Expense	967,640	952,353	(15,287)	
Non-Payroll Expense				
Contractual Expense	680,992	678,473	(2,519)	Insurance Liability, Workers Comp and Unemployment
Commodities Expense	28,231	28,231	-	
Capital Expense	84,000	84,000	-	
Transfer to Other Funds	34,585	34,585	-	
Total Non-Payroll Expense	827,808	825,289	(2,519)	
Total Expense Budget	1,795,448	1,777,642	(17,806)	

## PRESENTATION/DISCUSSION NO. TMP-23-1232 MILL CREEK SPECIAL SERVICE AREA

# PRESENTATION/DISCUSSION NO. TMP-23-1234 BUDGET WORKSHEETS



		2022 Actual	2023 Actual	2024 Submitted	2024 First Review	Change btw First	2024 Second	Change btw Second and First	
G/L Account	Account Description	Amount	Amount	Budget	Budget	and Submitted	Review Budget	Rev	
Fund <b>001 - Genera</b>	I Fund								
REVENUE	D. Duilding Management								
	0 - Building Management t 000 - Revenues								
Other	000 - Revenues								
001.080.000.38500	Rental Income	39,922.92	22,895.19	50,659.00	50,659.00	.00	50,659.00	.00	
	Other Totals	\$39,922.92	\$22,895.19	\$50,659.00	\$50,659.00	\$0.00	\$50,659.00	\$0.00	
	Sub-Department <b>000 - Revenues</b> Totals	\$39,922.92	\$22,895.19	\$50,659.00	\$50,659.00	\$0.00	\$50,659.00	\$0.00	
Departm	ent <b>080 - Building Management</b> Totals	\$39,922.92	\$22,895.19	\$50,659.00	\$50,659.00	\$0.00	\$50,659.00	\$0.00	
	REVENUE TOTALS	\$39,922.92	\$22,895.19	\$50,659.00	\$50,659.00	\$0.00	\$50,659.00	\$0.00	
EXPENSE									
Department 08	0 - Building Management								
	t 080 - Building Mgmt- Government Centers-Salaries & Wages	er							
Regular Employ	vees .								
001.080.080.40000	Salaries and Wages	985,596.16	1,243,312.51	1,982,854.00	1,875,442.00	(107,412.00)	1,875,442.00	.00	
	Regular Employees Totals	\$985,596.16	\$1,243,312.51	\$1,982,854.00	\$1,875,442.00	(\$107,412.00)	\$1,875,442.00	\$0.00	
Overtime Salari	es								
001.080.080.40200	Overtime Salaries	4,269.47	30,885.71	45,632.00	45,632.00	.00	51,658.00	6,026.00	
	Overtime Salaries Totals	\$4,269.47	\$30,885.71	\$45,632.00	\$45,632.00	\$0.00	\$51,658.00	\$6,026.00	
Other									
001.080.080.40002	Non-Union Wage Increase	.00	.00	48,666.00	.00	(48,666.00)	.00	.00	
001.080.080.40005	New Position Budget Moved to Contingency	.00	.00	(445,000.00)	.00	445,000.00	.00	.00	
	Other Totals	\$0.00	\$0.00	(\$396,334.00)	\$0.00	\$396,334.00	\$0.00	\$0.00	
	Personnel Services- Salaries & Wages Totals	\$989,865.63	\$1,274,198.22	\$1,632,152.00	\$1,921,074.00	\$288,922.00	\$1,927,100.00	\$6,026.00	
	s- Employee Benefits								
Group Insurance		111.052.20	254 055 60	472 752 00	472 752 00	00	20	(472.752.00)	
001.080.080.45000	Healthcare Contribution	144,063.38	251,955.60	173,753.00	173,753.00	.00	.00	(173,753.00)	
001.080.080.45010	Dental Contribution	4,442.54	6,768.46	4,055.00	4,055.00	.00	.00	(4,055.00)	
	Group Insurance Totals	\$148,505.92	\$258,724.06	\$177,808.00	\$177,808.00	\$0.00	\$0.00	(\$177,808.00)	
	ersonnel Services- Employee Benefits Totals	\$148,505.92	\$258,724.06	\$177,808.00	\$177,808.00	\$0.00	\$0.00	(\$177,808.00)	
Contractual Service									
	essional and Technical Services								
<i>Professional</i> 001.080.080.50150	Contractual/Consulting Services	.00	4,080.00	.00	.00	.00	.00	.00	
001.000.000.30130			•						
Durahaaa	Professional Totals  d Professional and Technical Services Totals	\$0.00	\$4,080.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Purchase	u riviessionai anu Tecnnicai Services Totais	\$0.00	\$4,080.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	



C/I Assessment	Account Description	2022 Actual	2023 Actual	2024 Submitted	2024 First Review	Change btw First	2024 Second	Change btw Second and First	
G/L Account Fund <b>001 - Genera</b>	Account Description	Amount	Amount	Budget	Budget	and Submitted	Review Budget	Rev	
EXPENSE	Tuna								
	0 - Building Management								
•	nt 080 - Building Mgmt- Government Cent	er							
Purchased Prop									
Utility Service	*								
001.080.080.52260	Grease Trap- Septic Services	.00	4,391.73	9,952.00	9,952.00	.00	9,952.00	.00	
	Utility Services Totals	\$0.00	\$4,391.73	\$9,952.00	\$9,952.00	\$0.00	\$9,952.00	\$0.00	
Cleaning Ser	vices								
001.080.080.52000	Disposal and Water Softener Srvs	9,230.33	47,747.79	68,286.00	68,300.00	14.00	68,300.00	.00	
001.080.080.52010	Janitorial Services	112,625.12	544,178.18	961,100.00	865,000.00	(96,100.00)	865,000.00	.00	
	Cleaning Services Totals	\$121,855.45	\$591,925.97	\$1,029,386.00	\$933,300.00	(\$96,086.00)	\$933,300.00	\$0.00	
Repair and M	faintenance Services	. ,	, ,				, ,	·	
001.080.080.52020	Repairs and Maintenance- Roads	27,764.91	221,578.75	490,080.00	490,100.00	20.00	490,100.00	.00	
001.080.080.52110	Repairs and Maint- Buildings	173,528.86	824,196.81	637,516.00	1,210,658.00	573,142.00	1,210,658.00	.00	
001.080.080.52120	Repairs and Maint- Grounds	65,781.75	149,025.18	136,708.00	136,750.00	42.00	136,750.00	.00	
001.080.080.52160	Repairs and Maint- Equipment	23,687.72	381,232.60	281,866.00	480,000.00	198,134.00	480,000.00	.00	
001.080.080.52230	Repairs and Maint- Vehicles	23,328.41	42,747.23	29,744.00	55,000.00	25,256.00	55,000.00	.00	
001.000.000.32230	Repair and Maintenance Services Totals	\$314,091.65	\$1,618,780.57	\$1,575,914.00	\$2,372,508.00	\$796,594.00	\$2,372,508.00	\$0.00	
Rentals	Repair and Flamenance Services rotals	Ψ31 1,031.03	φ1,010,700.57	ψ1,575,51 1.00	Ψ2,372,300.00	ψ730,33 1.00	Ψ2,372,300.00	ψ0.00	
001.080.080.52190	Equipment Rental	.00	4,284.00	572.00	10,000.00	9,428.00	10,000.00	.00	
001.080.080.52220	Equipment Lease	650.16	13,030.90	27,456.00	27,500.00	44.00	27,500.00	.00	
	Rentals Totals	\$650.16	\$17,314.90	\$28,028.00	\$37,500.00	\$9,472.00	\$37,500.00	\$0.00	
	Purchased Property Services Totals	\$436,597.26	\$2,232,413.17	\$2,643,280.00	\$3,353,260.00	\$709,980.00	\$3,353,260.00	\$0.00	
Other Purchase	ed Services	. ,	. , ,			. ,	. , ,	·	
Printing and	Binding								
001.080.080.53060	General Printing	31,753.41	43,503.80	68,640.00	68,640.00	.00	68,640.00	.00	
Travel	Printing and Binding Totals	\$31,753.41	\$43,503.80	\$68,640.00	\$68,640.00	\$0.00	\$68,640.00	\$0.00	
001.080.080.53110	Employee Training	155.00	.00	5,720.00	12,000.00	6,280.00	12,000.00	.00	
001.080.080.53120	Employee Mileage Expense	.00	.00	457.00	457.00	.00	457.00	.00	
	Travel Totals	\$155.00	\$0.00	\$6,177.00	\$12,457.00	\$6,280.00	\$12,457.00	\$0.00	
	Other Purchased Services Totals	\$31,908.41	\$43,503.80	\$74,817.00	\$81,097.00	\$6,280.00	\$81,097.00	\$0.00	
	Contractual Services Totals	\$468,505.67	\$2,279,996.97	\$2,718,097.00	\$3,434,357.00	\$716,260.00	\$3,434,357.00	\$0.00	



C/I Assessment	Assessed Description	2022 Actual	2023 Actual	2024 Submitted	2024 First Review	Change btw First	2024 Second	Change btw Second and First	
G/L Account Fund 001 - General	Account Description	Amount	Amount	Budget	Budget	and Submitted	Review Budget	Rev	
Fund <b>001 - General</b> EXPENSE	rund								
	- Building Management								
Sub-Department		er							
Commodities		oi .							
General Supplies									
001.080.080.60010	Operating Supplies	3,203.67	4,402.35	13,041.00	13,041.00	.00	13,041.00	.00	
001.080.080.60020	Computer Related Supplies	.00	.00	572.00	572.00	.00	572.00	.00	
001.080.080.60100	Utilities- Water	7,426.48	65,127.03	363,439.00	363,439.00	.00	363,439.00	.00	
001.080.080.60110	Printing Supplies	66,450.69	46,345.32	80,080.00	80,080.00	.00	80,080.00	.00	
001.080.080.60160	Cleaning Supplies	11,567.18	65,195.62	86,891.00	86,891.00	.00	86,891.00	.00	
001.080.080.60210	Uniform Supplies	2,893.19	6,142.93	8,331.00	8,331.00	.00	8,331.00	.00	
001.080.080.60250	Medical Supplies and Drugs	.00	.00	146.00	146.00	.00	146.00	.00	
	General Supplies Totals	\$91,541.21	\$187,213.25	\$552,500.00	\$552,500.00	\$0.00	\$552,500.00	\$0.00	
Energy									
Natural Gas									
001.080.080.63000	Utilities- Natural Gas	30,837.30	185,094.03	505,238.00	505,238.00	.00	505,238.00	.00	
	Natural Gas Totals	\$30,837.30	\$185,094.03	\$505,238.00	\$505,238.00	\$0.00	\$505,238.00	\$0.00	
Electricity 001.080.080.63010	Utilities- Electric	134,254.88	716,722.66	2,171,082.00	1,611,000.00	(560,082.00)	1,611,000.00	.00	
	Electricity Totals	\$134,254.88	\$716,722.66	\$2,171,082.00	\$1,611,000.00	(\$560,082.00)	\$1,611,000.00	\$0.00	
Gasoline	, , , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , , ,	, ,,	, , , , , , , , , , , , , , , , , , , ,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(1-1-1)	, , , , , , , , , , , , , , , , , , , ,	,	
001.080.080.63040	Fuel- Vehicles	25,562.79	10,936.08	22,880.00	22,880.00	.00	22,880.00	.00	
	Gasoline Totals	\$25,562.79	\$10,936.08	\$22,880.00	\$22,880.00	\$0.00	\$22,880.00	\$0.00	
Other									
001.080.080.60090	Utilities- Sewer	3,629.32	74,649.36	372,178.00	216,000.00	(156,178.00)	216,000.00	.00	
	Other Totals	\$3,629.32	\$74,649.36	\$372,178.00	\$216,000.00	(\$156,178.00)	\$216,000.00	\$0.00	
	Energy Totals	\$194,284.29	\$987,402.13	\$3,071,378.00	\$2,355,118.00	(\$716,260.00)	\$2,355,118.00	\$0.00	
	Commodities Totals	\$285,825.50	\$1,174,615.38	\$3,623,878.00	\$2,907,618.00	(\$716,260.00)	\$2,907,618.00	\$0.00	
Sub-Departmen	nt 080 - Building Mgmt- Government Center Totals	\$1,892,702.72	\$4,987,534.63	\$8,151,935.00	\$8,440,857.00	\$288,922.00	\$8,269,075.00	(\$171,782.00)	
· ·	081 - Building Mgmt- Judicial Center S- Salaries & Wages								
Regular Employe	ees								
001.080.081.40000	Salaries and Wages	103,178.75	2,489.46	.00	.00	.00	.00	.00	
	Regular Employees Totals	\$103,178.75	\$2,489.46	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Overtime Salarie 001.080.081.40200	Overtime Salaries	3,860.64	.00	7,852.00	7,852.00	.00	7,852.00	.00	
001.000.001.40200	Overtime Salaries	3,000.04	.00	7,032.00	7,032.00	.00	7,032.00	.00	



G/L Account Account Description Fund 001 - General Fund  EXPENSE Department 080 - Building Managemen	Amount	Amount	Budget	Budget	and Submitted			
EXPENSE					and Sasimiced	Review Budget	Rev	
Department 000 - Building Hanagemen	t e							
Sub-Department 081 - Building Mgmt								
Personnel Services- Salaries & Wages								
Overtime Salaries								
Overtin	e Salaries Totals \$3,860.64	\$0.00	\$7,852.00	\$7,852.00	\$0.00	\$7,852.00	\$0.00	
Other								
001.080.081.40002 Non-Union Wage Increa	se .00	.00	4,637.00	.00	(4,637.00)	.00	.00	
	Other Totals \$0.00	\$0.00	\$4,637.00	\$0.00	(\$4,637.00)	\$0.00	\$0.00	
Personnel Services- Salaries	* & Wages Totals \$107,039.39	\$2,489.46	\$12,489.00	\$7,852.00	(\$4,637.00)	\$7,852.00	\$0.00	
Personnel Services- Employee Benefits								
Group Insurance	22.5.5	220.55	05.070.00	05.076.00			(05.070.05)	
001.080.081.45000 Healthcare Contribution	22,246.48	228.82	95,878.00	95,878.00	.00	.00	(95,878.00)	
001.080.081.45010 Dental Contribution	823.66	6.69	2,283.00	2,283.00	.00	.00	(2,283.00)	
•	Insurance Totals \$23,070.14	\$235.51	\$98,161.00	\$98,161.00	\$0.00	\$0.00	(\$98,161.00)	
Personnel Services- Employe	e Benefits Totals \$23,070.14	\$235.51	\$98,161.00	\$98,161.00	\$0.00	\$0.00	(\$98,161.00)	
Contractual Services								
Purchased Property Services Cleaning Services								
001.080.081.52000 Disposal and Water Soft	ener Srvs 5,602.25	.00	.00	.00	.00	.00	.00	
001.080.081.52010 Janitorial Services	95,469.88	.00	.00	.00	.00	.00	.00	
		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Cleanin Repair and Maintenance Services	g Services Totals \$101,072.13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
001.080.081.52020 Repairs and Maintenance	e- Roads 43,089.28	.00	.00	.00	.00	.00	.00	
001.080.081.52110 Repairs and Maint- Build	,	1,137.50	.00	.00	.00	.00	.00	
'		.00	.00	.00	.00	.00	.00	
•	·							
001.080.081.52160 Repairs and Maint- Equi		.00	.00	.00	.00	.00	.00	
Repair and Maintenance		\$1,137.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Purchased Property		\$1,137.50 \$1,137.50	\$0.00 \$0.00	\$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	
Commodities	al Services Totals \$429,431.16	\$1,137.30	<b>\$0.00</b>	\$0.00	<b>\$0.00</b>	<b>\$</b> 0.00	\$0.00	
General Supplies								
001.080.081.60100 Utilities- Water	25,591.51	.00	.00	.00	.00	.00	.00	
001.080.081.60160 Cleaning Supplies	11,414.61	.00	.00	.00	.00	.00	.00	
3,	of Supplies Totals \$37,006.12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Genera	, <i>Supplies Totals</i>	ψ0.00	ψ3.00	Ψ0.00	φ0.00	ψ0.00	ψ0.00	



C/I Assessment	Assembly Description	2022 Actual	2023 Actual	2024 Submitted	2024 First Review	Change btw First	2024 Second	Change btw Second and First	
G/L Account Fund 001 - Genera	Account Description	Amount	Amount	Budget	Budget	and Submitted	Review Budget	Rev	
EXPENSE	i ruliu								
	0 - Building Management								
	t 081 - Building Mgmt- Judicial Center								
Commodities									
Energy									
Natural Gas	India.	27 277 42	20	20	00	00	00	20	
001.080.081.63000	Utilities- Natural Gas	37,377.12	.00	.00	.00	.00	.00	.00	
	Natural Gas Totals	\$37,377.12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Electricity 001.080.081.63010	Utilities- Electric	201,345.19	.00	.00	.00	.00	.00	.00	
001.060.061.05010		,							
Other	Electricity Totals	\$201,345.19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
001.080.081.60090	Utilities- Sewer	24,550.26	.00	.00	.00	.00	.00	.00	
001.000.001.00050	Other Totals	\$24,550.26	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	Energy Totals	\$263,272.57	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	Commodities Totals	\$300,278.69	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Sub-Depa	artment 081 - Building Mgmt- Judicial	\$859,819.38	\$3,862.47	\$110,650.00	\$106,013.00	(\$4,637.00)	\$7,852.00	(\$98,161.00)	
•	Center Totals								
	t <b>082 - Building Mgmt- Juv Justice Cntr</b> s- Salaries & Wages								
Regular Employ	vees								
001.080.082.40000	Salaries and Wages	.00	.00	33,748.00	.00	(33,748.00)	.00	.00	
	Regular Employees Totals	\$0.00	\$0.00	\$33,748.00	\$0.00	(\$33,748.00)	\$0.00	\$0.00	
	Personnel Services- Salaries & Wages Totals	\$0.00	\$0.00	\$33,748.00	\$0.00	(\$33,748.00)	\$0.00	\$0.00	
Contractual Servio Purchased Prop									
Utility Service									
001.080.082.52260	Grease Trap- Septic Services	2,780.00	.00	.00	.00	.00	.00	.00	
	Utility Services Totals	\$2,780.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Cleaning Ser	,		•	·	·	•	·	·	
001.080.082.52000	Disposal and Water Softener Srvs	3,649.62	.00	.00	.00	.00	.00	.00	
001.080.082.52010	Janitorial Services	95,723.78	.00	.00	.00	.00	.00	.00	
	Cleaning Services Totals	\$99,373.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Repair and M	laintenance Services								
001.080.082.52020	Repairs and Maintenance- Roads	9,190.00	.00	.00	.00	.00	.00	.00	
001.080.082.52110	Repairs and Maint- Buildings	94,235.36	.00	.00	.00	.00	.00	.00	
001.080.082.52120	Repairs and Maint- Grounds	16,534.26	.00	.00	.00	.00	.00	.00	



		2022 Actual	2023 Actual	2024 Submitted	2024 First Review	Change btw First	2024 Second	Change btw Second and First	
G/L Account	Account Description	Amount	Amount	Budget	Budget	and Submitted	Review Budget	Rev	
Fund <b>001 - Genera</b>	l Fund								
EXPENSE									
Department 08	0 - Building Management								
Contractual Servi									
Purchased Prop	perty Services								
Repair and M	Naintenance Services								
001.080.082.52160	Repairs and Maint- Equipment	37,863.35	.00	.00	.00	.00	.00	.00	
	Repair and Maintenance Services Totals	\$157,822.97	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	Purchased Property Services Totals	\$259,976.37	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	Contractual Services Totals	\$259,976.37	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Commodities									
General Supplie									
001.080.082.60100	Utilities- Water	155.95	.00	.00	.00	.00	.00	.00	
001.080.082.60160	Cleaning Supplies	7,367.63	.00	.00	.00	.00	.00	.00	
	General Supplies Totals	\$7,523.58	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Energy									
Natural Gas									
001.080.082.63000	Utilities- Natural Gas	28,471.45	.00	.00	.00	.00	.00	.00	
	Natural Gas Totals	\$28,471.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Electricity									
001.080.082.63010	Utilities- Electric	142,481.94	.00	.00	.00	.00	.00	.00	
	Electricity Totals	\$142,481.94	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Other									
001.080.082.60090	Utilities- Sewer	9.46	.00	.00	.00	.00	.00	.00	
	Other Totals	\$9.46	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	Energy Totals	\$170,962.85	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	Commodities Totals	\$178,486.43	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Sub-Departn	nent <b>082 - Building Mgmt- Juv Justice</b> Cntr Totals	\$438,462.80	\$0.00	\$33,748.00	\$0.00	(\$33,748.00)	\$0.00	\$0.00	
Sub-Departmer Contractual Servi	ot 083 - Building Mgmt- North Campus								
Purchased Prop	perty Services								
Cleaning Ser									
001.080.083.52000	Disposal and Water Softener Srvs	1,741.59	.00	.00	.00	.00	.00	.00	
001.080.083.52010	Janitorial Services	90,079.17	.00	.00	.00	.00	.00	.00	
	Cleaning Services Totals	\$91,820.76	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	



		2022 Actual	2023 Actual	2024 Submitted	2024 First Review	Change btw First	2024 Second	Change btw Second and First	
G/L Account	Account Description	Amount	Amount	Budget	Budget	and Submitted	Review Budget	Rev	
Fund 001 - Genera	l Fund								
EXPENSE									
·	0 - Building Management								
Sub-Departmer Contractual Servio	t <b>083 - Building Mgmt- North Camp</b> ces	us							
Purchased Prop	perty Services								
Repair and M	laintenance Services								
001.080.083.52020	Repairs and Maintenance- Roads	9,122.78	.00	.00	.00	.00	.00	.00	
001.080.083.52110	Repairs and Maint- Buildings	28,913.36	.00	.00	.00	.00	.00	.00	
001.080.083.52120	Repairs and Maint- Grounds	8,473.55	.00	.00	.00	.00	.00	.00	
001.080.083.52160	Repairs and Maint- Equipment	10,983.81	.00	.00	.00	.00	.00	.00	
	Repair and Maintenance Services Total	ls \$57,493.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Rentals									
001.080.083.52220	Equipment Lease	17,174.64	.00	.00	.00	.00	.00	.00	
	Rentals Total		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	Purchased Property Services Total		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	Contractual Services Total	\$166,488.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Commodities General Supplie									
001.080.083.60100	Utilities- Water	1,181.64	.00	.00	.00	.00	.00	.00	
001.080.083.60160	Cleaning Supplies	10,397.51	.00	.00	.00	.00	.00	.00	
	General Supplies Tota	ls \$11,579.15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Energy Natural Gas			1,1,1,1	1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1	1.5.5.5	11.22	
001.080.083.63000	Utilities- Natural Gas	11,939.66	.00	.00	.00	.00	.00	.00	
	Natural Gas Tota	ls \$11,939.66	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Electricity		,,	7-1-0	7 - 1 - 0 - 0	7	T-:	75.50	7-1-0	
001.080.083.63010	Utilities- Electric	115,968.26	.00	.00	.00	.00	.00	.00	
	Electricity Total	ls \$115,968.26	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Other									
001.080.083.60090	Utilities- Sewer	1,288.30	.00	.00	.00	.00	.00	.00	
	Other Total		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	Energy Total		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	Commodities Total		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Sub-De	epartment <b>083 - Building Mgmt- Nort</b> <b>Campus</b> Tota		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	



		2022 Actual	2023 Actual	2024 Submitted	2024 First Review	Change btw First	2024 Second	Change btw Second and First	
G/L Account	Account Description	Amount	Amount	Budget	Budget	and Submitted	Review Budget	Rev	
Fund 001 - Genera	l Fund								
EXPENSE									
Department 080	) - Building Management								
Sub-Departmen Contractual Service	t <b>084 - Building Mgmt- Aurora Health</b>								
Purchased Prop	erty Services								
Cleaning Serv	vices								
001.080.084.52000	Disposal and Water Softener Srvs	2,005.21	.00	.00	.00	.00	.00	.00	
001.080.084.52010	Janitorial Services	29,667.52	.00	.00	.00	.00	.00	.00	
	Cleaning Services Totals	\$31,672.73	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Repair and M	laintenance Services								
001.080.084.52020	Repairs and Maintenance- Roads	9,727.83	.00	.00	.00	.00	.00	.00	
001.080.084.52110	Repairs and Maint- Buildings	19,808.85	.00	.00	.00	.00	.00	.00	
001.080.084.52120	Repairs and Maint- Grounds	12,739.98	.00	.00	.00	.00	.00	.00	
	Repair and Maintenance Services Totals	\$42,276.66	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	Purchased Property Services Totals	\$73,949.39	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	Contractual Services Totals	\$73,949.39	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Commodities									
General Supplie									
001.080.084.60100	Utilities- Water	3,557.94	.00	.00	.00	.00	.00	.00	
	General Supplies Totals	\$3,557.94	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Energy									
Natural Gas									
001.080.084.63000	Utilities- Natural Gas	15,099.76	.00	.00	.00	.00	.00	.00	
	Natural Gas Totals	\$15,099.76	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Electricity									
001.080.084.63010	Utilities- Electric	18,264.69	.00	.00	.00	.00	.00	.00	
	Electricity Totals	\$18,264.69	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Other									
001.080.084.60090	Utilities- Sewer	3,227.55	.00	.00	.00	.00	.00	.00	
	Other Totals	\$3,227.55	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	Energy Totals	\$36,592.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	Commodities Totals	\$40,149.94	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Sub-Departmen	t <b>084 - Building Mgmt- Aurora Health</b> Totals	\$114,099.33	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	



		2022 Actual	2023 Actual	2024 Submitted	2024 First Review	Change btw First	2024 Second	Change btw Second and First	
G/L Account	Account Description	Amount	Amount	Budget	Budget	and Submitted	Review Budget	Rev	
Fund <b>001 - Genera</b>	l Fund								
EXPENSE									
•	0 - Building Management								
	t <b>085 - Building Mgmt- Old Courthouse</b> s- Salaries & Wages								
Regular Employ	vees .								
001.080.085.40000	Salaries and Wages	41,138.30	.00	.00	.00	.00	.00	.00	
	Regular Employees Totals	\$41,138.30	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Overtime Saları	es								
001.080.085.40200	Overtime Salaries	.00	.00	5,015.00	5,015.00	.00	5,015.00	.00	
Other	Overtime Salaries Totals	\$0.00	\$0.00	\$5,015.00	\$5,015.00	\$0.00	\$5,015.00	\$0.00	
001.080.085.40002	Non-Union Wage Increase	.00	.00	1,166.00	.00	(1,166.00)	.00	.00	
	Other Totals	\$0.00	\$0.00	\$1,166.00	\$0.00	(\$1,166.00)	\$0.00	\$0.00	
	Personnel Services- Salaries & Wages Totals	\$41,138.30	\$0.00	\$6,181.00	\$5,015.00	(\$1,166.00)	\$5,015.00	\$0.00	
Personnel Service Group Insurand	s- Employee Benefits re								
001.080.085.45000	Healthcare Contribution	10,671.66	.00	11,053.00	11,053.00	.00	.00	(11,053.00)	
001.080.085.45010	Dental Contribution	333.12	.00	333.00	333.00	.00	.00	(333.00)	
	Group Insurance Totals	\$11,004.78	\$0.00	\$11,386.00	\$11,386.00	\$0.00	\$0.00	(\$11,386.00)	
P	ersonnel Services- Employee Benefits Totals	\$11,004.78	\$0.00	\$11,386.00	\$11,386.00	\$0.00	\$0.00	(\$11,386.00)	
Contractual Servi	ces								
Purchased Prop									
Cleaning Ser		2 (0( 00	00	00	00	00	00	00	
001.080.085.52000	Disposal and Water Softener Srvs	3,686.90	.00	.00	.00	.00	.00	.00	
001.080.085.52010	Janitorial Services	93,902.37	.00	.00	.00	.00	.00	.00	
	Cleaning Services Totals	\$97,589.27	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
,	laintenance Services								
001.080.085.52020	Repairs and Maintenance- Roads	5,730.00	.00	.00	.00	.00	.00	.00	
001.080.085.52110	Repairs and Maint- Buildings	48,422.97	.00	.00	.00	.00	.00	.00	
001.080.085.52120	Repairs and Maint- Grounds	5,541.42	.00	.00	.00	.00	.00	.00	
001.080.085.52160	Repairs and Maint- Equipment	26,245.99	.00	.00	.00	.00	.00	.00	
	Repair and Maintenance Services Totals	\$85,940.38	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	Purchased Property Services Totals	\$183,529.65	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	Contractual Services Totals	\$183,529.65	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Commodities									
General Supplie		2 = 2 2 2 2	•		e -	•	<i>-</i>	•-	
001.080.085.60100	Utilities- Water	3,798.48	.00	.00	.00	.00	.00	.00	



Pure   Department   US   Dep	G/L Account	Account Description	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	Change btw First and Submitted	2024 Second Review Budget	Change btw Second and First Rev	
Popular										
Sub-Department   1885 - Building Mgmt+ Old Courthouse Commondation   1885 - Building Mgmt+ Old Courthouse Totals   1975 - 1975 - 1975   1975 - 1975   1975 - 1975   1975 - 1975   1975 - 1975 - 1975   1975 - 1975	EXPENSE									
## Commodifies	Department 08	0 - Building Management								
### Ceneral Supplies   \$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		t 085 - Building Mgmt- Old Courthouse								
01.000.0085.60100         Cleaning Supplies         3,251.05         .00										
Part   Company   Section	General Supplie	25								
Patricular   Pat	001.080.085.60160	Cleaning Supplies	3,251.05	.00	.00	.00	.00	.00	.00	
Natural Gas		General Supplies Totals	\$7,049.53	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
00.080.085.63000   Utilities- Natural Gas   26,935.22   3.00   3	Energy									
Natural Gas Totals   \$26,935.22   \$0.00   \$0	Natural Gas									
Part	001.080.085.63000	Utilities- Natural Gas	26,935.22	.00	.00	.00	.00	.00	.00	
001.080.085.53010         Utilities Electric Electricity Totals         74,822.09         .00		Natural Gas Totals	\$26,935.22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Content   Cont	Electricity									
Other         Other 001.080.085.60090         Utilities - Sewer         3,070.30         .00	001.080.085.63010	Utilities- Electric	74,822.09	.00	.00	.00	.00	.00	.00	
01.080.085.6009		Electricity Totals	\$74,822.09	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Other Totals         \$3,070.30         \$0.00	Other	Other								
Energy Totals   \$104,827.61   \$0.00	001.080.085.60090	Utilities- Sewer	3,070.30	.00	.00	.00	.00	.00	.00	
Sub-Department   OS5 - Building Mgmt- Old Courthouse Totals   \$111,877.14   \$0.00		Other Totals	\$3,070.30	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Sub-Department   OBS - Building Mgmt- Old Courthouse Totals   Sub-Department   OBS - Building Mgmt- Sheriff Facility   Personnel Services - Salaries & Wages   Regular Employees   Salaries & Wages   Non-Union Wage Increase   Non-Union Wage Increase   Non-Union Wage Increase   Non-Union Wage Increase   Sub-Department   OBS - Building Mgmt- Sheriff Facility   Salaries and Wages   107,891.01   1,001.11   .00   .0		Energy Totals	\$104,827.61	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Sub-Department		Commodities Totals		\$0.00		\$0.00	\$0.00	\$0.00	\$0.00	
Personnel Services- Salaries & Wages   Regular Employees	Sub	1	\$347,549.87	\$0.00	\$17,567.00	\$16,401.00	(\$1,166.00)	\$5,015.00	(\$11,386.00)	
001.080.086.40000         Salaries and Wages         107,891.01         1,001.11         .00         .00         .00         .00         .00           Regular Employees Totals         \$107,891.01         \$1,001.11         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00           Overtime Salaries           001.080.086.40200         Overtime Salaries Totals         \$13,739.77         \$0.00         \$8,024.00         \$0.00         \$8,024.00         \$0.00										
Regular Employees Totals   \$107,891.01   \$1,001.11   \$0.00	Regular Emplo	vees .								
Overtime Salaries         13,739.77         .00         8,024.00         8,024.00         .00         8,024.00         .00         8,024.00         .00         8,024.00         .00         8,024.00         .00	001.080.086.40000	Salaries and Wages	107,891.01	1,001.11	.00	.00	.00	.00	.00	
001.080.086.40200       Overtime Salaries       13,739.77       .00       8,024.00       8,024.00       .00       8,024.00       .00       8,024.00       .00       \$0.00 <td></td> <td>Regular Employees Totals</td> <td>\$107,891.01</td> <td>\$1,001.11</td> <td>\$0.00</td> <td>\$0.00</td> <td>\$0.00</td> <td>\$0.00</td> <td>\$0.00</td> <td></td>		Regular Employees Totals	\$107,891.01	\$1,001.11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Other         Non-Union Wage Increase         \$0.00         \$0.00         \$8,024.00         \$0.00         \$8,024.00         \$0.00	Overtime Salar	ies								
Other         Other Totals         .00         .00         1,960.00         .00         (1,960.00)         .00         .00         .00           Other Totals         \$0.00         \$0.00         \$1,960.00         \$0.00	001.080.086.40200	Overtime Salaries	13,739.77	.00	8,024.00	8,024.00	.00	8,024.00	.00	
001.080.086.40002 Non-Union Wage Increase .00 .00 1,960.00 .00 (1,960.00) .00 .00 .00 .00 .00 .00 .00 .00 .0		Overtime Salaries Totals	\$13,739.77	\$0.00	\$8,024.00	\$8,024.00	\$0.00	\$8,024.00	\$0.00	
Other Totals         \$0.00         \$0.00         \$1,960.00         \$0.00         \$0.00         \$0.00	Other									
	001.080.086.40002	Non-Union Wage Increase	.00	.00	1,960.00	.00	(1,960.00)	.00	.00	
Personnel Services- Salaries & Wages Totals \$121,630.78 \$1,001.11 \$9,984.00 \$8,024.00 (\$1,960.00) \$8,024.00 \$0.00		Other Totals	\$0.00	\$0.00	\$1,960.00	\$0.00	(\$1,960.00)	\$0.00	\$0.00	
		Personnel Services- Salaries & Wages Totals	\$121,630.78	\$1,001.11	\$9,984.00	\$8,024.00	(\$1,960.00)	\$8,024.00	\$0.00	



G/L Account	Account Description	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	Change btw First and Submitted	2024 Second Review Budget	Change btw Second and First Rev	
Fund <b>001 - Genera</b>	·	Amount	Amount	Duaget	Duaget	and Submitted	Neview Budget	Nev	
EXPENSE									
Department 08	0 - Building Management								
Personnel Service	nt <b>086 - Building Mgmt- Sheriff Facility</b> es- Employee Benefits								
Group Insurance		20.750.47	222.20	40.022.00	10.022.00	00	00	(10.022.00)	
001.080.086.45000	Healthcare Contribution	28,760.17	232.20	18,032.00	18,032.00	.00	.00	(18,032.00)	
001.080.086.45010	Dental Contribution	1,060.41	9.68	666.00	666.00	.00	.00	(666.00)	
	Group Insurance Totals	\$29,820.58	\$241.88	\$18,698.00	\$18,698.00	\$0.00	\$0.00	(\$18,698.00)	
	Personnel Services- Employee Benefits Totals	\$29,820.58	\$241.88	\$18,698.00	\$18,698.00	\$0.00	\$0.00	(\$18,698.00)	
Contractual Service									
Purchased Prop Utility Service									
001.080.086.52260	Grease Trap- Septic Services	5,820.00	.00	.00	.00	.00	.00	.00	
	Utility Services Totals	\$5,820.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Cleaning Ser	,	45,520.00	Ψ0.00	Ψ0.00	Ψ0.00	Ψ0.00	40.00	40.00	
001.080.086.52000	Disposal and Water Softener Srvs	21,483.18	.00	.00	.00	.00	.00	.00	
001.080.086.52010	Janitorial Services	58,712.98	.00	.00	.00	.00	.00	.00	
	Cleaning Services Totals	\$80,196.16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Repair and M	Naintenance Services								
001.080.086.52020	Repairs and Maintenance- Roads	14,500.00	.00	.00	.00	.00	.00	.00	
001.080.086.52110	Repairs and Maint- Buildings	212,244.83	.00	.00	.00	.00	.00	.00	
001.080.086.52120	Repairs and Maint- Grounds	13,355.69	.00	.00	.00	.00	.00	.00	
001.080.086.52160	Repairs and Maint- Equipment	232,100.00	1,844.04	.00	.00	.00	.00	.00	
	Repair and Maintenance Services Totals	\$472,200.52	\$1,844.04	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Rentals									
001.080.086.52220	Equipment Lease	433.44	.00	.00	.00	.00	.00	.00	
	Rentals Totals	\$433.44	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	Purchased Property Services Totals	\$558,650.12	\$1,844.04	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Commodities	Contractual Services Totals	\$558,650.12	\$1,844.04	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Commodities General Supplie	aç								
001.080.086.60010	Operating Supplies	100.00	.00	.00	.00	.00	.00	.00	
001.080.086.60100	Utilities- Water	82,013.96	.00	.00	.00	.00	.00	.00	
001.080.086.60160	Cleaning Supplies	18,196.40	.00	.00	.00	.00	.00	.00	
001.080.086.60210	Uniform Supplies	.00	4,496.61	.00	.00	.00	.00	.00	
	General Supplies Totals	\$100,310.36	\$4,496.61	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	General Supplies Totals	\$100,310.36	\$4,496.61	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	



G/L Account	Account Description	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	Change btw First and Submitted	2024 Second Review Budget	Change btw Second and First Rev	
Fund <b>001 - Genera</b>		Amount	Amount	Duaget	Dudget	and Submitted	Neview Budget	NCV	
EXPENSE									
	0 - Building Management								
	nt 086 - Building Mgmt- Sheriff Facility								
Commodities	,								
Energy Natural Gas									
001.080.086.63000	Utilities- Natural Gas	41,223.03	.00	.00	.00	.00	.00	.00	
001.060.060.03000	_	·							
<i>=</i> ,	Natural Gas Totals	\$41,223.03	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Electricity	Lucio: El .	262.250.40			20	00	20	20	
001.080.086.63010	Utilities- Electric	262,359.10	.00	.00	.00	.00	.00	.00	
	Electricity Totals	\$262,359.10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Other									
001.080.086.60090	Utilities- Sewer	93,015.18	.00	.00	.00	.00	.00	.00	
	Other Totals	\$93,015.18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	Energy Totals	\$396,597.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	Commodities Totals	\$496,907.67	\$4,496.61	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Sub-De	partment 086 - Building Mgmt- Sheriff Facility Totals	\$1,207,009.15	\$7,583.64	\$28,682.00	\$26,722.00	(\$1,960.00)	\$8,024.00	(\$18,698.00)	
Sub-Departmer Contractual Servio	nt 088 - Bldg Mgmt- ROE Office & Supplie	s							
Purchased Prop									
Repair and M	Aaintenance Services								
001.080.088.52110	Repairs and Maint- Buildings	.00	13,685.68	.00	.00	.00	.00	.00	
	Repair and Maintenance Services Totals	\$0.00	\$13,685.68	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Rentals	•			·	,	·	·	·	
001.080.088.52210	Building Lease	129,769.21	118,960.16	130,000.00	130,000.00	.00	130,000.00	.00	
	Rentals Totals	\$129,769.21	\$118,960.16	\$130,000.00	\$130,000.00	\$0.00	\$130,000.00	\$0.00	
	Purchased Property Services Totals	\$129,769.21	\$132,645.84	\$130,000.00	\$130,000.00	\$0.00	\$130,000.00	\$0.00	
	Contractual Services Totals	\$129,769.21	\$132,645.84	\$130,000.00	\$130,000.00	\$0.00	\$130,000.00	\$0.00	
Commodities									
Energy									
Electricity									
001.080.088.63010	Utilities- Electric	230.79	.00	.00	.00	.00	.00	.00	
	Electricity Totals	\$230.79	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	Energy Totals	\$230.79	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	Commodities Totals	\$230.79	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Sub-Depar	tment 088 - Bldg Mgmt- ROE Office & Supplies Totals	\$130,000.00	\$132,645.84	\$130,000.00	\$130,000.00	\$0.00	\$130,000.00	\$0.00	



		2022 Actual	2023 Actual	2024 Submitted	2024 First Review	Change btw First	2024 Second	Change btw Second and First	
G/L Account	Account Description	Amount	Amount	Budget	Budget	and Submitted	Review Budget	Rev	
Fund <b>001 - Genera</b>	i Fund								
	0 - Building Management								
	t 089 - Bldg Mgmt - Multi-Use Facility								
Contractual Service	3 3								
Purchased Prop	perty Services								
Cleaning Serv	vices								
001.080.089.52000	Disposal and Water Softener Srvs	2,060.94	.00	.00	.00	.00	.00	.00	
001.080.089.52010	Janitorial Services	44,209.50	.00	.00	.00	.00	.00	.00	
	Cleaning Services Totals	\$46,270.44	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Repair and M	laintenance Services								
001.080.089.52020	Repairs and Maintenance- Roads	11,093.03	.00	.00	.00	.00	.00	.00	
001.080.089.52110	Repairs and Maint- Buildings	77,255.49	(101.12)	.00	.00	.00	.00	.00	
001.080.089.52120	Repairs and Maint- Grounds	15,480.00	.00	.00	.00	.00	.00	.00	
001.080.089.52160	Repairs and Maint- Equipment	38,462.42	22,892.68	.00	.00	.00	.00	.00	
	Repair and Maintenance Services Totals	\$142,290.94	\$22,791.56	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	Purchased Property Services Totals	\$188,561.38	\$22,791.56	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	Contractual Services Totals	\$188,561.38	\$22,791.56	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Commodities									
General Supplie	25								
001.080.089.60010	Operating Supplies	530.29	.00	.00	.00	.00	.00	.00	
001.080.089.60100	Utilities- Water	1,335.38	.00	.00	.00	.00	.00	.00	
001.080.089.60160	Cleaning Supplies	2,130.42	.00	.00	.00	.00	.00	.00	
	General Supplies Totals	\$3,996.09	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Energy									
Natural Gas									
001.080.089.63000	Utilities- Natural Gas	13,355.62	.00	.00	.00	.00	.00	.00	
	Natural Gas Totals	\$13,355.62	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Electricity									
001.080.089.63010	Utilities- Electric	49,306.51	.00	.00	.00	.00	.00	.00	
	Electricity Totals	\$49,306.51	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Other									
001.080.089.60090	Utilities- Sewer	807.69	.00	.00	.00	.00	.00	.00	
	Other Totals	\$807.69	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	Energy Totals	\$63,469.82	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	Commodities Totals	\$67,465.91	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Sub-Dep	partment 089 - Bldg Mgmt - Multi-Use Facility Totals	\$256,027.29	\$22,791.56	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	



Budget Year 2024

Change btw

G/L Account	,	Account D	escription	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	Change btw First and Submitted	2024 Second Review Budget	Second and First Rev	
	- General Fu										
EXPENSE											
	Department	080 - I	Building Management Totals	\$5,552,934.81	\$5,154,418.14	\$8,472,582.00	\$8,719,993.00	\$247,411.00	\$8,419,966.00	(\$300,027.00)	
			EXPENSE TOTALS	\$5,552,934.81	\$5,154,418.14	\$8,472,582.00	\$8,719,993.00	\$247,411.00	\$8,419,966.00	(\$300,027.00)	
		Fund	001 - General Fund Totals								
			REVENUE TOTALS	\$39,922.92	\$22,895.19	\$50,659.00	\$50,659.00	\$0.00	\$50,659.00	\$0.00	
			EXPENSE TOTALS	\$5,552,934.81	\$5,154,418.14	\$8,472,582.00	\$8,719,993.00	\$247,411.00	\$8,419,966.00	(\$300,027.00)	
		Fund	001 - General Fund Totals	(\$5,513,011.89)	(\$5,131,522.95)	(\$8,421,923.00)	(\$8,669,334.00)	(\$247,411.00)	(\$8,369,307.00)	\$300,027.00	
			Net Grand Totals								
			REVENUE GRAND TOTALS	\$39,922.92	\$22,895.19	\$50,659.00	\$50,659.00	\$0.00	\$50,659.00	\$0.00	
			EXPENSE GRAND TOTALS	\$5,552,934.81	\$5,154,418.14	\$8,472,582.00	\$8,719,993.00	\$247,411.00	\$8,419,966.00	(\$300,027.00)	
			Net Grand Totals	(\$5,513,011.89)	(\$5,131,522.95)	(\$8,421,923.00)	(\$8,669,334.00)	(\$247,411.00)	(\$8,369,307.00)	\$300,027.00	



Account Account Descripti	ion	2020 Actual Amount	2021 Actual	2022 Actual	2023 Actual Amount	2024 Submitted	2024 First Review	FY24 FRL less FY24 Submitted
nd <b>001 - General Fund</b>	1011	Amount	Amount	Amount	Amount	Budget	Budget	Submitted
REVENUE								
Department 080 - Building Manag								
Sub-Department 000 - Revenue: 1,080,000,38500 Rental Income	S	44,983.01	39,334.83	39,922.92	22,895,19	50,659.00	50,659.00	.00.
		44,903.01	39,334.03	39,922.92	22,095.19	30,039.00	30,039.00	.00
<b>Budget Transactions</b>								
Level	Transaction					Number of Units	Cost Per Unit	Total Amount
First Review Budget	Arbritration					1.0000	30,526.92	30,527.00
First Review Budget	Bankruptcy Court					1.0000	5,000.00	5,000.00
First Review Budget	Farm Lease					1.0000	3,132.00	3,132.00
First Review Budget	IWCC					1.0000	12,000.00	12,000.00
						First Re	view Budget Totals	\$50,659.00
Sub Dongstonest	000 Payanua Tatala	\$44,983.01	\$39,334.83	\$39,922.92	\$22,895.19	\$50,659.00	\$50,659.00	\$0.00
	000 - Revenues Totals	\$44,983.01	\$39,334.83	\$39,922.92	\$22,895.19	\$50,659.00	\$50,659.00	\$0.00
Department 080 - Buildin	REVENUE TOTALS	\$44,983.01	\$39,334.83	\$39,922.92	\$22,895.19	\$50,659.00	\$50,659.00	\$0.00
	REVENUE TOTALS	\$ <del>11</del> ,505.01	φυν,υυπ.ου	455,522.52	\$22,055.15	φ30,033.00	φ50,055.00	φ0.00
EXPENSE								
Department 080 - Building Manag								
Sub-Department <b>080 - Building</b> 1.080.080.40000 Salaries and Wag	Mgmt- Government Cente	er 819,139.17	801,827.79	985,596.16	1,243,312.51	1,982,854.00	1,875,442.00	(107,412.00)
			001,02/,/9	903,390.10	1,243,312.31	1,902,004,00	1,0/3,442,00	(10/,412.00)
Salaties and Wag	JES	015/105117	, ,	•		, ,	, ,	, , ,
Position Transactions	es	013/103.17	,.	,	, ,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	· · · ·
	Position	025/255127	,	ivpe C	Code	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,	Total Amount
Position Transactions		·	7)	vpe Carnings		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Total Amount 97,780.00
Position Transactions  Level	Position	rirector IT/Bldg Mgmt	Т) Ег	•		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, , ,	
Position Transactions  Level  First Review Budget	Position 906011001 - Executive D	irector IT/Bldg Mgmt Building Maintenance	Tj Ea Ea	arnings		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		97,780.00
Position Transactions  Level  First Review Budget  First Review Budget	Position 906011001 - Executive D 908011001 - Director of I	irector IT/Bldg Mgmt Building Maintenance Jager	T) Ea	arnings arnings		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		97,780.00 103,001.00
Position Transactions  Level  First Review Budget  First Review Budget  First Review Budget	Position 906011001 - Executive D 908011001 - Director of I 908011002 - Project Man	irector IT/Bldg Mgmt Building Maintenance Jager Building Management	T) Ea Ea Ea Ea	arnings arnings arnings				97,780.00 103,001.00 84,975.00
Position Transactions  Level  First Review Budget  First Review Budget  First Review Budget  First Review Budget	Position 906011001 - Executive D 908011001 - Director of I 908011002 - Project Man 908011004 - Director of I	irector IT/Bldg Mgmt Building Maintenance lager Building Management Building Maintenance	T) Ea Ea Ea Ea	arnings arnings arnings arnings				97,780.00 103,001.00 84,975.00 118,451.00
Position Transactions  Level  First Review Budget	Position 906011001 - Executive D 908011001 - Director of I 908011002 - Project Man 908011004 - Director of I 908011005 - Director of I	rirector IT/Bldg Mgmt Building Maintenance lager Building Management Building Maintenance Receptionist	Ea Ea Ea Ea Ea	arnings arnings arnings arnings arnings				97,780.00 103,001.00 84,975.00 118,451.00 103,001.00
Position Transactions  Level  First Review Budget	Position 906011001 - Executive D 908011001 - Director of I 908011002 - Project Man 908011004 - Director of I 908011005 - Director of I 908014003 - Information	rirector IT/Bldg Mgmt Building Maintenance lager Building Management Building Maintenance Receptionist e Tech II	7) Ea Ea Ea Ea Ea Ea	arnings arnings arnings arnings arnings arnings				97,780.00 103,001.00 84,975.00 118,451.00 103,001.00 38,564.00
Position Transactions Level First Review Budget	Position  906011001 - Executive D  908011001 - Director of I  908011002 - Project Man  908011004 - Director of I  908011005 - Director of I  908014003 - Information  908017005 - Maintenance	irector IT/Bldg Mgmt Building Maintenance lager Building Management Building Maintenance Receptionist e Tech II e Tech II	7) Ea Ea Ea Ea Ea Ea	arnings arnings arnings arnings arnings arnings arnings arnings				97,780.00 103,001.00 84,975.00 118,451.00 103,001.00 38,564.00 55,000.00
Position Transactions  Level  First Review Budget	Position  906011001 - Executive D  908011001 - Director of I  908011002 - Project Man  908011004 - Director of I  908011005 - Director of I  908014003 - Information  908017005 - Maintenance  908018002 - Maintenance	irector IT/Bldg Mgmt Building Maintenance lager Building Management Building Maintenance Receptionist e Tech II e Tech II lager	7) Ea Ea Ea Ea Ea Ea Ea	arnings				97,780.00 103,001.00 84,975.00 118,451.00 103,001.00 38,564.00 55,000.00 64,946.00
Position Transactions  Level  First Review Budget	Position  906011001 - Executive D  908011001 - Director of I  908011002 - Project Man  908011004 - Director of I  908011005 - Director of I  908014003 - Information  908017005 - Maintenance  908018002 - Maintenance  908018003 - Project Man  908018004 - Chief Buildin	irector IT/Bldg Mgmt Building Maintenance lager Building Management Building Maintenance Receptionist e Tech II e Tech II lager ng Engineer	### Page 12	arnings				97,780.00 103,001.00 84,975.00 118,451.00 103,001.00 38,564.00 55,000.00 64,946.00 80,000.00 79,997.00
Position Transactions  Level  First Review Budget	Position  906011001 - Executive D  908011001 - Director of I  908011002 - Project Man  908011005 - Director of I  908014003 - Information  908018002 - Maintenance  908018003 - Project Man  908018004 - Chief Buildin  908018008 - Accounts Pa	irector IT/Bldg Mgmt Building Maintenance lager Building Management Building Maintenance Receptionist e Tech II e Tech II lager ng Engineer layable Analyst III	### Page 12	arnings				97,780.00 103,001.00 84,975.00 118,451.00 103,001.00 38,564.00 55,000.00 64,946.00 80,000.00 79,997.00 70,001.00
Position Transactions  Level  First Review Budget	Position  906011001 - Executive D  908011001 - Director of I  908011002 - Project Man  908011005 - Director of I  908014003 - Information  908017005 - Maintenance  908018002 - Maintenance  908018003 - Project Man  908018004 - Chief Buildir  908018008 - Accounts Pa	irector IT/Bldg Mgmt Building Maintenance lager Building Management Building Maintenance I Receptionist e Tech II lager Ing Engineer layable Analyst III e Tech III	### Page 12	arnings				97,780.00 103,001.00 84,975.00 118,451.00 103,001.00 38,564.00 55,000.00 64,946.00 80,000.00 79,997.00 70,001.00 65,000.00
Position Transactions  Level  First Review Budget	Position  906011001 - Executive D  908011001 - Director of I  908011002 - Project Man  908011005 - Director of I  908014003 - Information  908018002 - Maintenance  908018003 - Project Man  908018004 - Chief Buildin  908018009 - Maintenance  908018009 - Maintenance	irector IT/Bldg Mgmt Building Maintenance lager Building Management Building Maintenance I Receptionist e Tech II e Tech II lager la	### Page 12	arnings				97,780.00 103,001.00 84,975.00 118,451.00 103,001.00 38,564.00 55,000.00 64,946.00 80,000.00 79,997.00 70,001.00 65,000.00
Position Transactions  Level  First Review Budget	Position  906011001 - Executive D  908011001 - Director of I  908011002 - Project Man  908011005 - Director of I  908014003 - Information  908018002 - Maintenance  908018003 - Project Man  908018004 - Chief Buildin  908018008 - Accounts Pa  908018009 - Maintenance  908018010 - Maintenance  908018011 - Maintenance	irector IT/Bldg Mgmt Building Maintenance lager Building Management Building Maintenance I Receptionist I Tech II  I	### Page 12	arnings				97,780.00 103,001.00 84,975.00 118,451.00 103,001.00 38,564.00 55,000.00 64,946.00 80,000.00 79,997.00 70,001.00 65,000.00 65,000.00 65,000.00
Position Transactions  Level  First Review Budget	Position  906011001 - Executive D  908011001 - Director of I  908011002 - Project Man  908011005 - Director of I  908014003 - Information  908018002 - Maintenance  908018003 - Project Man  908018004 - Chief Buildin  908018008 - Accounts Pa  908018009 - Maintenance  908018010 - Maintenance  908018011 - Maintenance  908018011 - Maintenance  908018011 - Maintenance	irector IT/Bldg Mgmt Building Maintenance lager Building Management Building Maintenance Receptionist e Tech II e Tech II lager lager lager lager lager Building Maintenance III lager lager lager lager Building Maintenance III lager la	### Page 12	arnings				97,780.00 103,001.00 84,975.00 118,451.00 103,001.00 38,564.00 55,000.00 64,946.00 80,000.00 79,997.00 70,001.00 65,000.00 65,000.00 55,000.00 55,000.00
Position Transactions  Level  First Review Budget   Position  906011001 - Executive D  908011001 - Director of I  908011002 - Project Man  908011005 - Director of I  908014003 - Information  908018002 - Maintenanc  908018003 - Project Man  908018004 - Chief Buildin  908018008 - Accounts Pa  908018009 - Maintenanc  908018010 - Maintenanc  908018011 - Maintenanc  908018011 - Maintenanc  908018013 - Maintenanc	irector IT/Bldg Mgmt Building Maintenance lager Building Management Building Maintenance Receptionist e Tech II e Tech II lager lager lager lager lager Building Maintenance III lager lager lager lager Building Maintenance III lager la	### Page 12	arnings				97,780.00 103,001.00 84,975.00 118,451.00 103,001.00 38,564.00 55,000.00 64,946.00 80,000.00 79,997.00 70,001.00 65,000.00 65,000.00 55,000.00 45,001.00	
Position Transactions  Level  First Review Budget	Position  906011001 - Executive D  908011001 - Director of I  908011002 - Project Man  908011005 - Director of I  908014003 - Information  908018002 - Maintenance  908018003 - Project Man  908018004 - Chief Buildin  908018008 - Accounts Pa  908018009 - Maintenance  908018010 - Maintenance  908018011 - Maintenance  908018011 - Maintenance  908018011 - Maintenance	irector IT/Bldg Mgmt Building Maintenance lager Building Management Building Maintenance Receptionist e Tech II e Tech II lager lager lager Bugineer layable Analyst III e Tech III upervisor	### Page 12	arnings				97,780.00 103,001.00 84,975.00 118,451.00 103,001.00 38,564.00 55,000.00 64,946.00 80,000.00 79,997.00 70,001.00 65,000.00 65,000.00 55,000.00 55,000.00



G/L Account	Account Description	on	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted	
Fund <b>001 - 0</b>	General Fund									
EXPENSE										
Departmer	nt 080 - Building Manag	ement								
Sub-Dep	partment 080 - Building N	Agmt- Government Center								
	First Review Budget	908018020 - Janitor I		I	Earnings				34,986.00	
	First Review Budget	908018021 - Maintenance 7	Tech I	I	Earnings				50,001.00	
	First Review Budget	908018025 - Maintenance 7	Tech III	ı	Earnings				60,320.00	
	First Review Budget	908018026 - Custodial Build	ling Supervisor	I	Earnings				45,001.00	
	First Review Budget	908018031 - Chief Building	Engineer	I	Earnings				90,002.00	
	First Review Budget	908018032 - Administrative	Assistant	ı	Earnings				55,001.00	
	First Review Budget	908018033 - Mailroom Cler	k		Earnings				31,991.00	
	First Review Budget	908018036 - Janitor		•	Earnings				34,986.00	
	First Review Budget	908018037 - Janitor		· ·	Earnings				34,986.00	
	First Review Budget	908018050 - Painter		ı	Earnings				54,996.00	
	First Review Budget	908018051 - Maintenance 7	Tech III	•	Earnings				65,000.00	
	First Review Budget	908018052 - Maintenance 7	Tech III	ſ	Earnings				60,320.00	
							First Re	view Budget Totals	\$1,875,442.00	
001.080.080.40	Non-Union Wage	Increase	.00	.00	.00	.00	48,666.00	.00	(48,666.00)	
	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	First Review Budget	Accrual on FY23 Non Union	Wage Increase				.0030	48,520.00	146.00	
	First Review Budget	Finance: Remove FY23 NU	Wage Inc/Accrual				1.0000	(48,666.00)	(48,666.00)	
	First Review Budget	FY23 Non Union Wage Incr	ease				1.0000	48,520.00	48,520.00	
							First Re	view Budget Totals	\$0.00	
001.080.080.40	0005 New Position Budg Contingency	get Moved to	.00	.00	.00	.00	(445,000.00)	.00	445,000.00	
	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	First Review Budget	Finance Add back: 8.10.23					1.0000	445,000.00	445,000.00	
	First Review Budget	Janitor					1.0000	(35,000.00)	(35,000.00)	
	First Review Budget	Janitor					1.0000	(35,000.00)	(35,000.00)	
	First Review Budget	Maintenance Supervisor					1.0000	(75,000.00)	(75,000.00)	
	First Review Budget	Maintenance Technician					1.0000	(65,000.00)	(65,000.00)	
	First Review Budget	Maintenance Technician					1.0000	(65,000.00)	(65,000.00)	
	First Review Budget	Maintenance Technician					1.0000	(65,000.00)	(65,000.00)	
	First Review Budget	Maintenance Technician					1.0000	(65,000.00)	(65,000.00)	
	First Review Budget	Project Manager					1.0000	(40,000.00)	(40,000.00)	
	i ii st Neview Duuget	i roject manager						view Budget Totals	\$0.00	
							-	-		
001.080.080.40	O009 Salaries and Wage	es Subsidy	(6,713.84)	(524.89)	.00	.00	.00	.00	.00	



777744	, -								
2/1 A	Assert Descripti		2020 Actual	2021 Actual	2022 Actual	2023 Actual	2024 Submitted	2024 First Review	FY24 FRL less FY24
i/L Account und <b>001 - G</b> e	Account Descripti	<u>on</u>	Amount	Amount	Amount	Amount	Budget	Budget	Submitted
EXPENSE	ellerai ruliu								
	t 080 - Building Manag	omont							
			2.00						
01.080.080.402	_	Mgmt- Government Cente	1,288.97	2,343.55	4,269.47	30,885.71	45,632.00	45,632.00	.00
31.000.000.102	ever time salaries		1,200.57	2,3 13133	1,203117	30,003.71	13,032.00	13,032100	.00
	Budget Transactions								
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount
	First Review Budget	Government Center .Over	rtime Salaries				1.0000	10,500.00	10,500.00
	First Review Budget	Light Maintenance					1.0000	35,000.00	35,000.00
	First Review Budget	Payroll Accrual					.0029	45,500.00	132.00
							First Re	view Budget Totals	\$45,632.00
01.080.080.450	000 Healthcare Contri	bution	147,818.64	116,464.01	144,063.38	251,955.60	173,753.00	173,753.00	.00
	Budget Transactions								
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount
	First Review Budget	01 NEW Project Manager					1.0000	36,224.00	36,224.00
	First Review Budget	02 Vacant Maintenance T	ech III				1.0000	36,224.00	36,224.00
	First Review Budget	03 NEW Maintenance Tec	chnician				1.0000	36,224.00	36,224.00
	First Review Budget	04 NEW Janitor					1.0000	36,224.00	36,224.00
	First Review Budget	05 NEW Janitor					1.0000	36,224.00	36,224.00
	First Review Budget	06 NEW Maintenance Tec	ch 3				1.0000	36,224.00	36,224.00
	First Review Budget	07 New Maintenance Tec	h 3				1.0000	36,224.00	36,224.00
	First Review Budget	08 NEW Maintenance Tec	ch 3				1.0000	36,224.00	36,224.00
	First Review Budget	09 New Maintenance Sup	ervisor				1.0000	36,224.00	36,224.00
	First Review Budget	Brusveen, Dan - Painter					1.0000	17,536.00	17,536.00
	First Review Budget	Budget moved to Conting	jency - Janitor				1.0000	(34,074.00)	(34,074.00)
	First Review Budget	Budget moved to Conting	jency - Janitor				1.0000	(34,074.00)	(34,074.00)
	First Review Budget	Budget moved to Conting	jency - Maintenance S	upervisor			1.0000	(34,074.00)	(34,074.00)
	First Review Budget	Budget moved to Conting	jency - Maintenance T	echnician			1.0000	(34,074.00)	(34,074.00)
	First Review Budget	Budget moved to Conting	jency - Maintenance T	echnician			1.0000	(34,074.00)	(34,074.00)
	First Review Budget	Budget moved to Conting	jency - Maintenance T	echnician			1.0000	(34,074.00)	(34,074.00)
	First Review Budget	Budget moved to Conting	jency - Maintenance T	echnician			1.0000	(34,074.00)	(34,074.00)
	First Review Budget	Budget moved to Conting	jency - Project Manag	er			1.0000	(34,074.00)	(34,074.00)
	First Review Budget	Fahnestock, Roger					.1053	36,224.00	3,814.00
	First Review Budget	Final Rate Adjustment pe	r 8-10-22 HSC				1.0000	(24,004.00)	(24,004.00)
	First Review Budget	Flight, Michael					1.0000	6,868.00	6,868.00
	First Review Budget	Griffith, Richard - SR - D	irector				1.0000	6,868.00	6,868.00
	First Review Budget	Griffith, Richard Jr - Main	tenance				1.0000	6,868.00	6,868.00
		Testes Test Mellerses					1 0000	11,884.00	11,884.00
	First Review Budget	Jarke, Toni - Mailroom					1.0000	11,004.00	11,004.00



G/L Account	Account Description		2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted
Fund <b>001 - Ge</b>	· · · · · · · · · · · · · · · · · · ·	<u> </u>	Amount	AHOUHL	Amount	Amount	<u> </u>	budget	Submitted
EXPENSE	ilerai i uliu								
	080 - Building Manage	ment							
		gmt- Government Center							
Зав Вераі	First Review Budget	Mayotte, Michael					1.0000	11,884.00	11,884.00
	First Review Budget	Paredones, Elvia Mailroom					1.0000	11,884.00	11,884.00
	First Review Budget	Smith, Marcus					.5000	23,501.00	11,751.00
	First Review Budget	Taylor, Walter - Custodian					1.0000	6,868.00	6,868.00
	First Review Budget	Valerio, Jose- Maintenance					1.0000	36,224.00	36,224.00
	J	,					First Re	eview Budget Totals	\$173,753.00
001.080.080.4500	09 Healthcare Subsidy		(2,629.28)	(218.66)	.00	.00	.00	.00	.00
001.080.080.4501	10 Dental Contribution		4,277.10	4,088.43	4,442.54	6,768.46	4,055.00	4,055.00	.00
	20 20.11.01.00.11.00.10.11		.,_,,,,,	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	.,	37, 33.13	.,000.00	.,000.00	
В	Budget Transactions								
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount
	First Review Budget	Brusveen, Dan - Painter					1.0000	666.00	666.00
	First Review Budget	01 NEW Project Manager					1.0000	666.00	666.00
	First Review Budget	02 Vacant Maintenance Tec					1.0000	666.00	666.00
	First Review Budget	03 New Position- Maintenar	nce Technician				1.0000	666.00	666.00
	First Review Budget	04 NEW Janitor					1.0000	666.00	666.00
	First Review Budget	05 NEW Janitor					1.0000	666.00	666.00
	First Review Budget	06 New Mainttenance Tech	3				1.0000	666.00	666.00
	First Review Budget	07 New Maintenance Tech	3				1.0000	666.00	666.00
	First Review Budget	08 New Maintenance Tech	3				1.0000	666.00	666.00
	First Review Budget	09 NEW Maintenance Supe	rvisor				1.0000	666.00	666.00
	First Review Budget	Budget moved to Continger	ncy - Janitor				1.0000	(666.00)	(666.00)
	First Review Budget	Budget moved to Continger	ncy - Janitor				1.0000	(666.00)	(666.00)
	First Review Budget	Budget moved to Continger	ncy - Maintenance S	Supervisor			1.0000	(666.00)	(666.00)
	First Review Budget	Budget moved to Continger	ncy - Maintenance	Technician			1.0000	(666.00)	(666.00)
	First Review Budget	Budget moved to Continger	ncy - Maintenance	Technician			1.0000	(666.00)	(666.00)
	First Review Budget	Budget moved to Continger	ncy - Maintenance	Technician			1.0000	(666.00)	(666.00)
	First Review Budget	Budget moved to Continger	ncy - Maintenance	Technician			1.0000	(666.00)	(666.00)
	First Review Budget	Budget moved to Continger	ncy - Project Manag	jer			1.0000	(666.00)	(666.00)
	First Review Budget	Fahnestock, Roger					.1053	666.00	70.00
	First Review Budget	Flight, Michael					1.0000	110.00	110.00
	First Review Budget	Griffith, Richard Sr - Direct	or				1.0000	110.00	110.00
	First Review Budget	Jarka, Toni- Mail room					1.0000	256.00	256.00
	First Review Budget	Mayotte, Michael					1.0000	256.00	256.00
	First Review Budget	PAREDONES ELVIA Mailroo	m				1.0000	256.00	256.00
	First Review Budget	Smith, Marcus					.5000	666.00	333.00
	First Review Budget	Taylor, Walter - Custodian					1.0000	666.00	666.00



/L Account	Account Descripti	on	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted
nd <b>001 - Genera</b>		OII	Amount	Amount	Amount	Amount	Baaget	Dauger	Submitted
XPENSE									
Department 08	0 - Building Manag	ement							
Sub-Departmer	t 080 - Building	Mgmt- Government Center							
Firs	t Review Budget	Valerio, Jose - Maintenance					1.0000	666.00	666.00
							First Re	view Budget Totals	\$4,055.00
1.080.080.45019	Dental Subsidy		(63.33)	(7.48)	.00	.00	.00	.00	.00
1.080.080.50150	Contractual/Cons	ulting Services	.00	.00	.00	4,080.00	.00	.00	.00
01.080.080.50235	Public Health Serv	vices - Coronavirus	.00	.00	.00	.00	.00	.00	.00
Budge	et Transactions								
Lev	rel	Transaction					Number of Units	Cost Per Unit	Total Amount
Firs	t Review Budget	Covid 19 service					1.0000	3,000.00	3,000.00
Firs	t Review Budget	Remove in anticipation of rei	mbursement				(1.0000)	3,000.00	(3,000.00)
							First Re	view Budget Totals	\$0.00
1.080.080.52000	Disposal and Wat	er Softener Srvs	5,202.15	5,542.40	9,230.33	47,747.79	68,286.00	68,300.00	14.00
Budge	et Transactions								
Lev	rel	Transaction					Number of Units	Cost Per Unit	Total Amount
Firs	t Review Budget	Waste Disposal Waste Mgmt,	/& softener salt- N	lidwest salt			1.0000	68,300.00	68,300.00
							First Re	view Budget Totals	\$68,300.00
1.080.080.52010	Janitorial Services	5	82,873.63	90,251.35	112,625.12	544,178.18	961,100.00	865,000.00	(96,100.00)
Budge	et Transactions								
Lev	rel	Transaction					Number of Units	Cost Per Unit	Total Amount
Firs	t Review Budget	Janitorial Cleaning Service					1.0000	865,000.00	865,000.00
							First Re	view Budget Totals	\$865,000.00
1.080.080.52020	Repairs and Main	tenance- Roads	40,646.49	41,583.29	27,764.91	221,578.75	490,080.00	490,100.00	20.00
Budge	et Transactions								
Lev	rel	Transaction					Number of Units	Cost Per Unit	Total Amount
Firs	t Review Budget	Snow Plowing & Road Repair	rs				1.0000	490,100.00	490,100.00
							First Re	view Budget Totals	\$490,100.00
1.080.080.52110	Repairs and Main	t- Buildings	98,016.35	117,518.70	173,528.86	824,196.81	637,516.00	1,210,658.00	573,142.00
Budae	et Transactions								
Lev		Transaction					Number of Units	Cost Per Unit	Total Amount
	t Review Budget	Menards, Anchor Mechanical	, Urben Elevator,	Alarm Detection			1.0000	1,210,658.00	1,210,658.00
	<b>5</b>	,	,					view Budget Totals	\$1,210,658.00



M. Account	Account Description	•	2020 Actual	2021 Actual	2022 Actual	2023 Actual	2024 Submitted	2024 First Review	FY24 FRL less FY24
G/L Account Fund 001 - General	Account Description	1	Amount	Amount	Amount	Amount	Budget	Budget	Submitte
EXPENSE	Tuliu								
	0 - Building Manage	ment							
		gmt- Government Center							
001.080.080.52120	Repairs and Maint-		19,289.28	45,927.84	65,781.75	149,025.18	136,708.00	136,750.00	42.0
	•		.,	-7-	,	.,			
	t Transactions								
Leve		Transaction					Number of Units	Cost Per Unit	Total Amount
First	Review Budget	Landscaping, Mowing, Plant	S				1.0000	136,750.00	136,750.00
							First Re	eview Budget Totals	\$136,750.00
001.080.080.52160	Repairs and Maint-	Equipment	6,728.56	8,408.67	23,687.72	381,232.60	281,866.00	480,000.00	198,134.0
Budget	t Transactions								
Leve	el .	Transaction					Number of Units	Cost Per Unit	Total Amount
First	Review Budget	Anchor Mechanical, Dupage	Water, Siemens E	tc			1.0000	480,000.00	480,000.00
							First Re	eview Budget Totals	\$480,000.00
001.080.080.52190	Equipment Rental		.00	.00	.00	4,284.00	572.00	10,000.00	9,428.0
Budget	t Transactions								
Leve		Transaction					Number of Units	Cost Per Unit	Total Amount
	Review Budget	Rentalmax, Liftworks					1.0000	10,000.00	10,000.00
		, , , , , , , , , , , , , , , , , , , ,					First Re	eview Budget Totals	\$10,000.00
 01.080.080.52210	Building Lease		53.45	.00	.00	.00	.00	.00	.0
01.080.080.52220	Equipment Lease		.00	.00	650.16	13,030.90	27,456.00	27,500.00	44.0
Budget	t Transactions								
Leve		Transaction					Number of Units	Cost Per Unit	Total Amount
	Review Budget	Equipment Lease					1.0000	27,500.00	27,500.00
								eview Budget Totals	\$27,500.00
 01.080.080.52230	Repairs and Maint-	Vehicles	18,473.64	26,593.51	23,328.41	42,747.23	29,744.00	55,000.00	25,256.0
Dudget	t Transactions								
Leve	t Transactions	Transaction					Number of Units	Cost Per Unit	Total Amount
	Review Budget	Truck & car repair- Rons Au	tomotive Discount	Tire Fullers Car			1.0000	55,000.00	55,000.00
FIISL	review budget	Truck & Cal Tepali- ROIIS Au	itomotive, Discount	Tire, Fullers Cal				eview Budget Totals	\$55,000.00
01.080.080.52260	Grease Trap- Seption	c Services	.00	.00	.00	4,391.73	9,952.00	9,952.00	.0
	. T								
Budget	t Transactions								
Budget Leve		Transaction					Number of Units	Cost Per Unit	Total Amount
Leve		Transaction Septic Services					Number of Units 1.0000	Cost Per Unit 9,952.00	Total Amount 9,952.00



C/I Assessed Assessed Date	uniusti a u	2020 Actual	2021 Actual	2022 Actual	2023 Actual	2024 Submitted	2024 First Review	FY24 FRL less FY24
G/L Account Account Description  Fund 001 - General Fund	cription	Amount	Amount	Amount	Amount	Budget	Budget	Submitted
EXPENSE								
Department <b>080 - Building Ma</b>	nagomont							
Sub-Department 080 - Build	-	OF.						
001.080.080.53060 General Print		53,965.26	45,727.21	31,753.41	43,503.80	68,640.00	68,640.00	.00
	9	55,555.25	.5,7 = 7 .= 1	01// 001	.5,555.55	00/01.0100	00,010100	
Budget Transactions								
Level	Transaction					Number of Units	Cost Per Unit	Total Amount
First Review Budget	Forms, envelopes ets					1.0000	68,640.00	68,640.00
						First Re	eview Budget Totals	\$68,640.00
001.080.080.53110 Employee Tra	aining	.00	2,573.70	155.00	.00	5,720.00	12,000.00	6,280.00
Budget Transactions								
Level	Transaction					Number of Units	Cost Per Unit	Total Amount
First Review Budget	Employee Training					1.0000	12,000.00	12,000.00
						First Re	eview Budget Totals	\$12,000.00
001.080.080.53120 Employee Mil	eage Expense	.00	.00	.00	.00	457.00	457.00	.00.
Budget Transactions								
Level	Transaction					Number of Units	Cost Per Unit	Total Amount
First Review Budget						1.0000	457.00	457.00
That Review Budget	employee davel						eview Budget Totals	\$457.00
001 000 000 00010		7 020 06	2 722 20	2 202 67	4 402 25			
001.080.080.60010 Operating Su	pplies	7,929.86	2,732.29	3,203.67	4,402.35	13,041.00	13,041.00	.00
<b>Budget Transactions</b>								
Level	Transaction					Number of Units	Cost Per Unit	Total Amount
First Review Budget	Warehouse Direct, Tree	House				1.0000	13,041.00	13,041.00
						First Re	eview Budget Totals	\$13,041.00
001.080.080.60020 Computer Re	lated Supplies	.00	.00	.00	.00	572.00	572.00	.00.
Budget Transactions								
Level	Transaction					Number of Units	Cost Per Unit	Total Amount
First Review Budget	keyboards etc					1.0000	572.00	572.00
-	•					First Re	eview Budget Totals	\$572.00
001.080.080.60090 Utilities- Sew	er	4,287.25	4,260.80	3,629.32	74,649.36	372,178.00	216,000.00	(156,178.00
Budget Transactions								
Level	Transaction					Number of Units	Cost Per Unit	Total Amount
First Review Budget		rate increase overall us	sage			1.0000	216,000.00	216,000.00
. not heren budget	S.C., S. Schera Genera						eview Budget Totals	\$216,000.00
						11130110	Daaget Totals	Ψ=10,000.00



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G/L Account	Account Description		2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted
und <b>001 - Gen</b>		I	Amount	Amount	Amount	Amount	Budget	Budget	Submitted
EXPENSE	iciai ruiiu								
	080 - Building Manage	mant							
		gmt- Government Cente							
01.080.080.6010	_	giiit- Government Center	5,732.57	7,528.02	7,426.48	65,127.03	363,439.00	363,439.00	.00
D	doct Toron a stire		·	·	ŕ	·	·	ŕ	
	idget Transactions	Transaction					Number of Units	Cost Per Unit	Total Amount
	Level First Review Budget	Transaction					1.0000	363,439.00	Total Amount 363,439.00
	riist keview budget	City of Geneva rate increa	se - usage					view Budget Totals	\$363,439.00
	Duinking Counties		42.225.00	47.005.03	CC 450 CO	46.245.22			
001.080.080.60110	9 Printing Supplies		42,235.89	47,005.83	66,450.69	46,345.32	80,080.00	80,080.00	.00
	ıdget Transactions								
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount
	First Review Budget	County wide printing- pap	er envelopes forms				1.0000	80,080.00	80,080.00
							First Re	view Budget Totals	\$80,080.00
01.080.080.60160	Cleaning Supplies		14,434.39	8,951.03	11,567.18	65,195.62	86,891.00	86,891.00	.00
Bu	idget Transactions								
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount
	First Review Budget	Warehouse Direct- paper	towel, toilet paper, so	ap etc			1.0000	86,891.00	86,891.00
							First Re	eview Budget Totals	\$86,891.00
01.080.080.60210	Uniform Supplies		2,997.14	3,956.60	2,893.19	6,142.93	8,331.00	8,331.00	.00
Bu	ıdget Transactions								
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount
	First Review Budget	Shirts, Pants, Uniform Sup	plies				1.0000	8,331.00	8,331.00
	-						First Re	view Budget Totals	\$8,331.00
01.080.080.60250	Medical Supplies ar	nd Drugs	.00	.00	.00	.00	146.00	146.00	.0
Bu	idget Transactions								
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount
	First Review Budget	first aid kits					1.0000	146.00	146.00
							First Re	view Budget Totals	\$146.00
 !001.080.080.6026	5 Public Health Comm	nodities - Coronavirus	.00	.00	.00	.00	.00	.00	.0
						.50	.30	.00	
	idget Transactions								<b>-</b>
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount
	First Review Budget	Covid 19 supplies- hand s	•				1.0000	3,000.00	3,000.00
	First Review Budget	Remove in anticipation of	reimbursement				(1.0000)	3,000.00	(3,000.00)
							First Re	view Budget Totals	\$0.00



0/1.4			2020 Actual	2021 Actual	2022 Actual	2023 Actual	2024 Submitted	2024 First Review	FY24 FRL less FY24
S/L Account	Account Description	n	Amount	Amount	Amount	Amount	Budget	Budget	Submitted
	eneral runu								
EXPENSE	t 000 Building Manag								
	t 080 - Building Manag								
Sub-Depa 01.080.080.630		Mgmt- Government Cente	er 26,386.50	17,992.51	30,837.30	185,094.03	505,238.00	505,238.00	.00
01.000.000.050	ooo ounties raction c	us	20,300.30	17,552.51	30,037.30	103,03 1.03	303,230.00	303,230.00	.00
	Budget Transactions								
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount
	First Review Budget	Constellation New Energy	y increase in usage an	d rate			1.0000	505,238.00	505,238.00
							First Re	view Budget Totals	\$505,238.00
001.080.080.630	010 Utilities- Electric		149,491.73	142,003.51	134,254.88	716,722.66	2,171,082.00	1,611,000.00	(560,082.00
	Budget Transactions								
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount
	First Review Budget	City of Geneva increase i	n rate & usage				1.0000	1,611,000.00	1,611,000.00
							First Re	view Budget Totals	\$1,611,000.00
- 001.080.080.630	040 Fuel- Vehicles		13,392.45	17,465.13	25,562.79	10,936.08	22,880.00	22,880.00	.00
	Budget Transactions								
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount
	First Review Budget	Sheriff Gas Pump, Fleece	:				1.0000	22,880.00	22,880.00
							First Re	view Budget Totals	\$22,880.00
Sub-Der	partment <b>080 - Building</b>		\$1,555,254.02	\$1,559,995.14	\$1,892,702.72	\$4,987,534.63	\$8,151,935.00	\$8,440,857.00	\$288,922.0
Sub-Depa	ortmont 091 - Building	Center Totals  Mgmt- Judicial Center							
عراص المادة 01.080.081.400	_	_	89.378.92	84,004.87	103,178.75	2,489,46	.00	.00	.0
01.080.081.400			/	,	/	_,			
		Increace	00	00	00	00	4 637 00	00	(4 637 00
01.000.001.700	002 Non-Union Wage	Increase	.00	.00	.00	.00	4,637.00	.00	(4,637.00
	Budget Transactions	Increase	.00	.00	.00	.00	4,637.00	.00	(4,637.00
	<u> </u>	Increase  Transaction	.00	.00	.00	.00	4,637.00  Number of Units	.00 Cost Per Unit	(4,637.00
	Budget Transactions			.00	.00	.00	·		
	Budget Transactions <i>Level</i>	Transaction	on Wage Increase	.00	.00	.00	Number of Units	Cost Per Unit	Total Amount 14.00
	Budget Transactions  Level First Review Budget	<i>Transaction</i> Accrual on FY23 Non Uni	on Wage Increase NU Wage Inc/Accrual	.00	.00	.00	Number of Units	Cost Per Unit 4,623.00	<i>Total Amount</i> 14.00 (4,637.00)
	Budget Transactions  Level  First Review Budget  First Review Budget	Transaction Accrual on FY23 Non Uni Finance: Remove FY23 I	on Wage Increase NU Wage Inc/Accrual	.00	.00	.00	Number of Units .0030 1.0000 1.0000	Cost Per Unit 4,623.00 (4,637.00)	<i>Total Amount</i> 14.00 (4,637.00) 4,623.00
	Budget Transactions  Level  First Review Budget  First Review Budget  First Review Budget	Transaction Accrual on FY23 Non Uni Finance: Remove FY23 I FY23 Non Union Wage Ir	on Wage Increase NU Wage Inc/Accrual ncrease				Number of Units .0030 1.0000 1.0000 First Re	Cost Per Unit 4,623.00 (4,637.00) 4,623.00 view Budget Totals	Total Amount 14.00 (4,637.00) 4,623.00 \$0.00
- 01.080.081.402	Budget Transactions  Level First Review Budget First Review Budget First Review Budget Overtime Salaries	Transaction Accrual on FY23 Non Uni Finance: Remove FY23 I FY23 Non Union Wage Ir	on Wage Increase NU Wage Inc/Accrual	.00	3,860.64	.00	Number of Units .0030 1.0000 1.0000	Cost Per Unit 4,623.00 (4,637.00) 4,623.00	Total Amount 14.00 (4,637.00) 4,623.00 \$0.00
- 001.080.081.402	Budget Transactions  Level First Review Budget First Review Budget First Review Budget  200 Overtime Salaries  Budget Transactions	Transaction Accrual on FY23 Non Uni Finance: Remove FY23 I FY23 Non Union Wage Ir	on Wage Increase NU Wage Inc/Accrual ncrease				Number of Units .0030 1.0000 1.0000 First Re 7,852.00	Cost Per Unit 4,623.00 (4,637.00) 4,623.00 view Budget Totals 7,852.00	Total Amount 14.00 (4,637.00) 4,623.00 \$0.00
- 001.080.081.402	Budget Transactions  Level First Review Budget First Review Budget First Review Budget  Overtime Salaries  Budget Transactions  Level	Transaction Accrual on FY23 Non Uni Finance: Remove FY23 I FY23 Non Union Wage Ir	on Wage Increase NU Wage Inc/Accrual ncrease 1,378.83				Number of Units .0030 1.0000 1.0000 First Re 7,852.00  Number of Units	Cost Per Unit 4,623.00 (4,637.00) 4,623.00 view Budget Totals 7,852.00  Cost Per Unit	Total Amount 14.00 (4,637.00) 4,623.00 \$0.00
- 001.080.081.402	Budget Transactions  Level First Review Budget First Review Budget First Review Budget  200 Overtime Salaries  Budget Transactions	Transaction Accrual on FY23 Non Uni Finance: Remove FY23 I FY23 Non Union Wage Ir	on Wage Increase NU Wage Inc/Accrual ncrease 1,378.83				Number of Units .0030 1.0000 1.0000 First Re 7,852.00  Number of Units 1.0000	Cost Per Unit 4,623.00 (4,637.00) 4,623.00 view Budget Totals 7,852.00  Cost Per Unit 7,829.00	Total Amount 14.00 (4,637.00) 4,623.00 \$0.00 .0  Total Amount 7,829.00
- 001.080.081.402	Budget Transactions  Level First Review Budget First Review Budget First Review Budget  Overtime Salaries  Budget Transactions  Level	Transaction Accrual on FY23 Non Uni Finance: Remove FY23 I FY23 Non Union Wage Ir	on Wage Increase NU Wage Inc/Accrual ncrease 1,378.83				Number of Units .0030 1.0000 1.0000 First Re 7,852.00  Number of Units	Cost Per Unit 4,623.00 (4,637.00) 4,623.00 view Budget Totals 7,852.00  Cost Per Unit	Total Amount 14.00 (4,637.00) 4,623.00 \$0.00



PANAAA									
G/L Account	Account Description	an.	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted
und <b>001 - Gener</b> a		ווכ	Amount	AHOUH	Amount	Amount	buuget	buuget	Submittet
EXPENSE	ar r unu								
	0 - Building Manag	ement							
·		Mgmt- Judicial Center							
001.080.081.45000	Healthcare Contrib	oution	28,501.94	23,440.60	22,246.48	228.82	95,878.00	95,878.00	.00
Buda	et Transactions								
Lei		Transaction					Number of Units	Cost Per Unit	Total Amount
	st Review Budget	Final Rate Adjustmen	nt per 8-10-22 HSC				1.0000	(3,550.00)	(3,550.00)
	st Review Budget	Klimpke, William - M	•				1.0000	13,490.00	13,490.00
	st Review Budget	Maintenance Worker					1.0000	36,224.00	36,224.00
Firs	st Review Budget	Maintenance Worker	908018026				1.0000	36,224.00	36,224.00
Firs	st Review Budget	Soria, Juan - JANITO	DRIAL				1.0000	13,490.00	13,490.00
							First Re	view Budget Totals	\$95,878.00
01.080.081.45010	Dental Contributio	n	1,523.54	967.72	823.66	6.69	2,283.00	2,283.00	.00
Budge	et Transactions								
<i>Le</i> ı		Transaction					Number of Units	Cost Per Unit	Total Amount
Firs	st Review Budget	Klimpke, William - Ma	aintenance				1.0000	666.00	666.00
Firs	st Review Budget	Maintenance Worker	- 908018026				1.0000	666.00	666.00
Firs	st Review Budget	Maintenance Worker	-908018015				1.0000	666.00	666.00
Firs	st Review Budget	Soria, Juan - JANITO	DRIAL				1.0000	285.00	285.00
							First Re	view Budget Totals	\$2,283.00
1.080.081.50235	Public Health Serv	rices - Coronavirus	.00	.00	.00	.00	.00	.00	.00
Budge	et Transactions								
Lei	vel .	Transaction					Number of Units	Cost Per Unit	Total Amount
Firs	st Review Budget	Covid-19 Service					1.0000	3,000.00	3,000.00
Firs	st Review Budget	Remove in anticipation	on of reimbursement				(1.0000)	3,000.00	(3,000.00)
							First Re	view Budget Totals	\$0.00
001.080.081.52000	Disposal and Wate	er Softener Srvs	8,008.23	4,714.05	5,602.25	.00	.00	.00	.00
001.080.081.52010	Janitorial Services		156,324.96	171,504.66	95,469.88	.00	.00	.00	.00
01.080.081.52020	Repairs and Maint	enance- Roads	25,577.21	37,176.53	43,089.28	.00	.00	.00	.00
01.080.081.52110	Repairs and Maint	- Buildings	156,399.10	119,966.37	147,738.58	1,137.50	.00	.00	.00
01.080.081.52120	Repairs and Maint	- Grounds	11,952.81	18,875.68	45,464.59	.00	.00	.00	.00
01.080.081.52160	Repairs and Maint	- Equipment	83,112.70	121,648.54	92,066.58	.00	.00	.00	.00
001.080.081.60010	Operating Supplies	S	.00	3,381.89	.00	.00	.00	.00	.00
001.080.081.60090	Utilities- Sewer		21,405.36	16,859.68	24,550.26	.00	.00	.00	.00
01.080.081.60100	Utilities- Water		19,118.65	18,704.58	25,591.51	.00	.00	.00	.00



G/L Account	Account Description		2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted
Fund <b>001 - General</b>		DI I	Amount	AHOUHL	Amount	Amount	budget	buuget	Submitted
EXPENSE	i i dild								
	0 - Building Manag	ement							
Sub-Department		Igmt- Judicial Center							
001.080.081.60160	Cleaning Supplies	-5	9,128.86	7,130.91	11,414.61	.00	.00	.00	.00
001.080.081.60265	Public Health Com	modities - Coronavirus	.00	.00	.00	.00	.00	.00	.00.
Budget	t Transactions								
Leve	rel	Transaction					Number of Units	Cost Per Unit	Total Amount
First	t Review Budget	Covid 19 supplie					1.0000	3,000.00	3,000.00
First	t Review Budget	Remove in anticipation of	reimbursement				(1.0000)	3,000.00	(3,000.00)
							First Re	view Budget Totals	\$0.00
001.080.081.63000	Utilities- Natural G	as	38,489.69	27,103.01	37,377.12	.00	.00	.00	.00
001.080.081.63010	Utilities- Electric		345,043.57	262,482.51	201,345.19	.00	.00	.00	.00
Sub-Depa	artment <b>081 - Buil</b>	ding Mgmt- Judicial Center Totals	\$995,344.37	\$918,657.31	\$859,819.38	\$3,862.47	\$110,650.00	\$106,013.00	(\$4,637.00)
Sub-Department		Igmt- Juv Justice Cntr	27.050.66	4 206 42		00	22.740.00	00	(22.740.00)
001.080.082.40000	Salaries and Wage		37,950.66	4,306.42	.00	.00	33,748.00	.00	(33,748.00)
001.080.082.40009	Salaries and Wage	es Subsidy	(488.58)	.00	.00	.00	.00	.00	.00
001.080.082.40200	Overtime Salaries		205.94	.00	.00	.00	.00	.00	.00
Budget	t Transactions								
Leve	rel	Transaction					Number of Units	Cost Per Unit	Total Amount
First	t Review Budget	Juv Justice Cntr.Overtime	Salaries				1.0000	427.00	427.00
First	t Review Budget	Payroll Accrual					.0029	426.00	1.00
First	t Review Budget	Remove per FSD (no sala	ries and wages in FY2	3)			1.0000	(428.00)	(428.00)
							First Re	view Budget Totals	\$0.00
001.080.082.45000	Healthcare Contrib	ution	6,366.92	.00	00	00	.00	.00	.00
	riealtricare Contrit	oution	0,300.32	.00	.00	.00	.00	.00	
Budget	et Transactions	outon	0,300.32	.00	.00	.00	.00	100	
Budget <i>Leve</i>	t Transactions	Transaction	0,500.52	.00	.00	.00	Number of Units	Cost Per Unit	Total Amount
Leve	et Transactions	Transaction	,		.00	.00		Cost Per Unit	Total Amount
Leve First	et Transactions el t Review Budget	Transaction Remove per FSD as no sa	,		.00	.00	Number of Units 1.0000	Cost Per Unit (29,616.00)	Total Amount (29,616.00)
<i>Leve</i> First	et Transactions	Transaction	,		.00	.00	Number of Units 1.0000 1.0000	Cost Per Unit	Total Amount
<i>Leve</i> First	et Transactions el t Review Budget	Transaction  Remove per FSD as no sa  Vacant - Maintenance	,		.00	.00	Number of Units 1.0000 1.0000	Cost Per Unit (29,616.00) 29,616.00	<i>Total Amount</i> (29,616.00) 29,616.00
Leve First First 001.080.082.45010	et Transactions el t Review Budget t Review Budget Dental Contributio	Transaction  Remove per FSD as no sa  Vacant - Maintenance	alaries and wages in F	<b>/</b> 23			Number of Units 1.0000 1.0000 First Re	Cost Per Unit (29,616.00) 29,616.00 view Budget Totals	Total Amount (29,616.00) 29,616.00 \$0.00
Leve First First 001.080.082.45010 Budget	et Transactions el t Review Budget t Review Budget Dental Contributio	Transaction  Remove per FSD as no sa Vacant - Maintenance	alaries and wages in F	<b>/</b> 23			Number of Units 1.0000 1.0000 First Re	Cost Per Unit (29,616.00) 29,616.00 view Budget Totals .00	Total Amount (29,616.00) 29,616.00 \$0.00
First First  001.080.082.45010  Budget  Leve	et Transactions el t Review Budget t Review Budget Dental Contributio	Transaction  Remove per FSD as no sa  Vacant - Maintenance	alaries and wages in F	.00			Number of Units 1.0000 1.0000 First Re	Cost Per Unit (29,616.00) 29,616.00 view Budget Totals	Total Amount (29,616.00) 29,616.00 \$0.00



G/L Account	Account Descripti	on	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted
und <b>001 - Gen</b>		0.1	7 uno dine	741104110	741104110	7 Hillouite	Daagee	Daagee	- July 1
EXPENSE									
Department	080 - Building Manag	gement							
		Mgmt- Juv Justice Cntr							
	First Review Budget	vacant Maintenance					1.0000	699.00	699.00
_								view Budget Totals	\$0.00
001.080.082.5023	Public Health Serv	vices - Coronavirus	.00	.00	.00	.00	.00	.00	.00
Bu	dget Transactions								
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount
	First Review Budget	covid-19 services					1.0000	1,000.00	1,000.00
	First Review Budget	Remove in anticipation	of reimbursement				(1.0000)	1,000.00	(1,000.00)
_								view Budget Totals	\$0.00
001.080.082.52000	Disposal and Wat	er Softener Srvs	4,333.15	3,553.15	3,649.62	.00	.00	.00	.00.
01.080.082.52010	) Janitorial Services	5	53,747.59	54,856.59	95,723.78	.00	.00	.00	.00
01.080.082.52020	Repairs and Main	tenance- Roads	6,375.00	12,870.00	9,190.00	.00	.00	.00	.00
01.080.082.52110	Repairs and Main	t- Buildings	35,429.05	43,783.70	94,235.36	.00	.00	.00	.00
01.080.082.52120	Repairs and Main	t- Grounds	5,831.59	8,999.97	16,534.26	.00	.00	.00	.00
01.080.082.52160	Repairs and Main	t- Equipment	12,865.97	24,551.92	37,863.35	.00	.00	.00	.00
01.080.082.52260	) Grease Trap- Sep	tic Services	2,340.00	1,980.00	2,780.00	.00	.00	.00	.00
01.080.082.60090			.00	1,227.23	9.46	.00	.00	.00	.00
01.080.082.6010			.00	816.15	155.95	.00	.00	.00	.00
01.080.082.6016		:	7,892.50	6,348.52	7,367.63	.00	.00	.00	.00
001.080.082.6026		nmodities - Coronavirus	.00	.00	.00	.00	.00	.00	.00
		announces coronavirus	.00	100		.00	100	.00	
	dget Transactions Level	Transaction					Number of Units	Cost Per Unit	Total Amount
	First Review Budget	Transaction Covid-19 Supplies					1.0000	3,000.00	3,000.00
	First Review Budget First Review Budget	Remove in anticipation	of reimbursement				(1.0000)	3,000.00	(3,000.00)
	THOU NEVIEW Budget	remove in anacipation (	or reimbursement				` ,	view Budget Totals	\$0.00
 001.080.082.63000	) Utilities- Natural (	Gas	29,400.64	18,380.47	28,471.45	.00	.00	.00	.0.
001.080.082.63010		Juj	79,320.76	148,391.12	142,481.94	.00	.00	.00	.00
		_			•				
Sub-Depa	artment 082 - Buildin	ng Mgmt- Juv Justice Cntr Totals	\$281,752.09	\$330,065.24	\$438,462.80	\$0.00	\$33,748.00	\$0.00	(\$33,748.0



G/L Account	Account Description	on	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted
Fund <b>001 - General</b>			741104110	741104110	7 in our	711104110	Daagee	Daagee	Subimeted
EXPENSE									
Department 080	) - Building Manag	ement							
Sub-Department		Mgmt- North Campus							
001.080.083.50235	Public Health Serv	vices - Coronavirus	.00	.00	.00	.00	.00	.00	.00
	t Transactions								
Level		Transaction					Number of Units	Cost Per Unit	Total Amount
	Review Budget	Covid-19 Services	- C t t				1.0000	1,000.00	1,000.00
FIRST	: Review Budget	Remove in anticipation of	or reimbursement				(1.0000)	1,000.00 eview Budget Totals	(1,000.00)
	5: 1 111/1		4 272 50	2 402 24	4 744 50				· · · · · · · · · · · · · · · · · · ·
001.080.083.52000	Disposal and Wate		1,372.50	3,482.24	1,741.59	.00	.00	.00	.00
001.080.083.52010	Janitorial Services		65,468.64	66,567.66	90,079.17	.00	.00	.00	.00
001.080.083.52020	Repairs and Maint		.00	5,367.53	9,122.78	.00	.00	.00	.00
001.080.083.52110	Repairs and Maint	•	21,831.35	22,624.29	28,913.36	.00	.00	.00	.00
001.080.083.52120	Repairs and Maint	t- Grounds	3,195.00	7,024.98	8,473.55	.00	.00	.00	.00
001.080.083.52160	Repairs and Maint	t- Equipment	11,481.06	22,721.91	10,983.81	.00	.00	.00	.00
001.080.083.52220	Equipment Lease		.00	17,324.80	17,174.64	.00	.00	.00	.00
001.080.083.60010	Operating Supplie	es .	140.76	.00	.00	.00	.00	.00	.00
001.080.083.60090	Utilities- Sewer		1,356.40	1,050.60	1,288.30	.00	.00	.00	.00
001.080.083.60100	Utilities- Water		1,056.00	1,149.63	1,181.64	.00	.00	.00	.00
001.080.083.60160	Cleaning Supplies		6,176.38	8,856.71	10,397.51	.00	.00	.00	.00
001.080.083.60265	Public Health Com	nmodities - Coronavirus	.00	.00	.00	.00	.00	.00	.00
Budget	t Transactions								
Level		Transaction					Number of Units	Cost Per Unit	Total Amount
	Review Budget	Covid-19 supplies					1.0000	3,000.00	3,000.00
First	: Review Budget	Remove in anticipation of	of reimbursement				(1.0000)	3,000.00 eview Budget Totals	(3,000.00)
001.080.083.63000	Utilities- Natural (	Gas	9,504.24	6,217.08	11,939.66	.00	.00	.00	.00
001.080.083.63010	Utilities- Electric		104,559.77	103,036.91	115,968.26	.00	.00	.00	.00
001.080.083.63040	Fuel- Vehicles		.00	64.84	.00	.00	.00	.00	.00
Sub-Der	partment <b>083 - B</b>	uilding Mgmt- North	\$226,142.10	\$265,489.18	\$307,264.27	\$0.00	\$0.00	\$0.00	\$0.00
		<b>Campus</b> Totals							
Sub-Department	_	Mgmt- Aurora Health	1 204 46	1.040.53	2.005.24	22	22	22	22
001.080.084.52000	Disposal and Wate		1,204.40	1,049.52	2,005.21	.00	.00	.00	.00
001.080.084.52010	Janitorial Services		24,951.39	27,491.17	29,667.52	.00	.00	.00	.00
001.080.084.52020	Renairs and Maint	tenance- Roads	.00	2,602.24	9,727.83	.00	.00	.00	.00



C/L Assount	Account Descripti	on.	2020 Actual	2021 Actual	2022 Actual	2023 Actual	2024 Submitted	2024 First Review	FY24 FRL less FY24
G/L Account Fund 001 - General	Account Description	On	Amount	Amount	Amount	Amount	Budget	Budget	Submitted
EXPENSE	1 1 311131								
Department 080	0 - Building Manag	gement							
Sub-Department	t 084 - Building	Mgmt- Aurora Health							
001.080.084.52110	Repairs and Main	t- Buildings	8,558.68	25,658.46	19,808.85	.00	.00	.00	.00
001.080.084.52120	Repairs and Main	t- Grounds	3,470.00	15,239.98	12,739.98	.00	.00	.00	.00
001.080.084.52160	Repairs and Main	t- Equipment	1,145.33	2,776.22	.00	.00	.00	.00	.00
001.080.084.60090	Utilities- Sewer		2,423.66	2,254.42	3,227.55	.00	.00	.00	.00
001.080.084.60100	Utilities- Water		2,787.44	2,596.96	3,557.94	.00	.00	.00	.00
001.080.084.60160	Cleaning Supplies	i	57.84	.00	.00	.00	.00	.00	.00
001.080.084.63000	Utilities- Natural (	Gas	8,341.90	5,773.64	15,099.76	.00	.00	.00	.00
001.080.084.63010	Utilities- Electric		24,567.60	40,122.24	18,264.69	.00	.00	.00	.00
Sub-Department	t 084 - Building	Mgmt- Aurora Health Totals	\$77,508.24	\$125,564.85	\$114,099.33	\$0.00	\$0.00	\$0.00	\$0.00
Sub-Department	_	Mgmt- Old Courthouse							_
001.080.085.40000	Salaries and Wag		16,373.61	25,554.10	41,138.30	.00	.00	.00	.00
001.080.085.40002	Non-Union Wage	Increase	.00	.00	.00	.00	1,166.00	.00	(1,166.00
Leve First First	t Transactions el t Review Budget t Review Budget t Review Budget	Transaction Accrual on FY23 Non Uni Finance: Remove FY23 FY23 Non Union Wage In	NU Wage Inc/Accrual				Number of Units .0030 1.0000 1.0000 First Re	Cost Per Unit 1,163.00 (1,166.00) 1,163.00 Eview Budget Totals	Total Amount 3.00 (1,166.00) 1,163.00 \$0.00
001.080.085.40009	Salaries and Wag	es Subsidy	(539.12)	(524.89)	.00	.00	.00	.00	.00
001.080.085.40200	Overtime Salaries	;	.00	.00	.00	.00	5,015.00	5,015.00	.00
Leve First	t Transactions el t Review Budget t Review Budget	Transaction  3RD ST COURTHOUSE C Payroll accrual	VERTIME				Number of Units 1.0000 .0030 First Re	Cost Per Unit 5,000.00 5,000.00 view Budget Totals	Total Amount 5,000.00 15.00 \$5,015.00
	Haralda arma Cambri	bution	.00	3,254.08	10,671.66	.00	11,053.00	11,053.00	.0
001.080.085.45000	Healthcare Contri								
Budget <i>Leve</i> First	t Transactions	Transaction Director of Capital Projection Rate Adjustment pe					Number of Units .5000 1.0000	Cost Per Unit 23,501.00 (698.00)	Total Amount 11,751.00 (698.00)



G/L Account	Account Descripti	on	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted
Fund <b>001 - General</b>	Fund								
EXPENSE									
•	- Building Manag								
Sub-Department	_	Mgmt- Old Courthouse	00	(210.66)	00	00	00	00	0/
001.080.085.45009	Healthcare Subsic	•	.00	(218.66)	.00	.00	.00	.00	.00
001.080.085.45010	Dental Contribution	on	69.39	209.39	333.12	.00	333.00	333.00	.00
Budget	Transactions								
Leve		Transaction					Number of Units	Cost Per Unit	Total Amount
First	Review Budget	Director of Capital Proje	cts - Marcus Smith				.5000	666.00	333.00
								view Budget Totals	\$333.00
001.080.085.45019	Dental Subsidy		(2.45)	(7.48)	.00	.00	.00	.00	.00
001.080.085.50235	Public Health Serv	vices - Coronavirus	.00	.00	.00	.00	.00	.00	.00
Budget	Transactions								
Leve	/	Transaction					Number of Units	Cost Per Unit	Total Amount
First	Review Budget	Covid-19 Service					1.0000	1,000.00	1,000.00
First	Review Budget	Remove in anticipation	of reimbursement				(1.0000)	1,000.00	(1,000.00)
							First Re	view Budget Totals	\$0.00
001.080.085.52000	Disposal and Wat	er Softener Srvs	1,355.90	1,846.05	3,686.90	.00	.00	.00	.0
001.080.085.52010	Janitorial Services	3	85,978.26	68,534.63	93,902.37	.00	.00	.00	.0
001.080.085.52020	Repairs and Main	tenance- Roads	1,141.80	5,350.68	5,730.00	.00	.00	.00	.0
001.080.085.52110	Repairs and Main	t- Buildings	37,180.38	22,872.26	48,422.97	.00	.00	.00	.0
001.080.085.52120	Repairs and Main	t- Grounds	6,768.49	5,091.42	5,541.42	.00	.00	.00	.0
001.080.085.52160	Repairs and Main	t- Equipment	5,418.96	5,827.73	26,245.99	.00	.00	.00	.0
001.080.085.60090	Utilities- Sewer		4,087.39	4,502.03	3,070.30	.00	.00	.00	.0
001.080.085.60100	Utilities- Water		4,415.52	7,143.88	3,798.48	.00	.00	.00	.0
001.080.085.60160	Cleaning Supplies		3,821.33	2,956.28	3,251.05	.00	.00	.00	.0
001.080.085.60265	Public Health Con	nmodities - Coronavirus	.00	.00	.00	.00	.00	.00	.0
Budget	Transactions								
Leve		Transaction					Number of Units	Cost Per Unit	Total Amount
First	Review Budget	Covid supplies					1.0000	3,000.00	3,000.00
First	Review Budget	Remove in anticipation	of reimbursement				(1.0000)	3,000.00	(3,000.00)
							First Re	view Budget Totals	\$0.00
001.080.085.63000	Utilities- Natural (	Gas	18,919.81	17,768.89	26,935.22	.00	.00	.00	.0



G/L Account	Account Description	20	2020 Actual	2021 Actual	2022 Actual	2023 Actual	2024 Submitted	2024 First Review	FY24 FRL less FY24 Submitted
G/L Account Fund <b>001 - Genera</b>			Amount	Amount	Amount	Amount	Budget	Budget	Submitted
EXPENSE	ii ruiiu								
	0 - Building Manag	ement							
•		Building Mgmt- Old	\$248,440.55	\$245,022.52	\$347,549.87	\$0.00	\$17,567.00	\$16,401.00	(\$1,166.00
Jab	Department 305	Courthouse Totals							
Sub-Departmer	nt 086 - Building I	Mgmt- Sheriff Facility							
001.080.086.40000	Salaries and Wag	es	220,041.56	241,083.22	107,891.01	1,001.11	.00	.00	.00
001.080.086.40002	Non-Union Wage	Increase	.00	.00	.00	.00	1,960.00	.00	(1,960.00
Budge	et Transactions								
Lev		Transaction					Number of Units	Cost Per Unit	Total Amount
Firs	t Review Budget	Accrual on FY23 Non Uni	on Wage Increase				.0030	1,954.00	6.00
Firs	t Review Budget	Finance: Remove FY23 N	NU Wage Inc/Accrual				1.0000	(1,960.00)	(1,960.00)
Firs	t Review Budget	FY23 Non Union Wage Ir	crease				1.0000	1,954.00	1,954.00
							First Rev	view Budget Totals	\$0.00
001.080.086.40009	Salaries and Wag	es Subsidy	(5,823.03)	.00	.00	.00	.00	.00	.00
001.080.086.40200	Overtime Salaries		15,821.17	20,549.00	13,739.77	.00	8,024.00	8,024.00	.00
Budae	et Transactions								
Lev		Transaction					Number of Units	Cost Per Unit	Total Amount
Firs	st Review Budget	Jail .Overtime Salaries					1.0000	8,000.00	8,000.00
	st Review Budget	Payroll Accrual					.0030	8,000.00	24.00
	_	•					First Rev	view Budget Totals	\$8,024.00
001.080.086.45000	Healthcare Contri	oution	69,237.29	64,414.24	28,760.17	232.20	18,032.00	18,032.00	.0
Budae	et Transactions								
Lev		Transaction					Number of Units	Cost Per Unit	Total Amount
-	t Day day of Day day of	Final Rate Adjustment pe	- 0 10 22 LICC					406.00	496.00
Firs	st Review Budget	rinai Kate Aujustinent pe	r 8-10-22 HSC				1.0000	496.00	T30.00
	st Review Budget st Review Budget	Pedro Ibarra Rodriguez -					1.0000 1.0000	496.00 17,536.00	
							1.0000		17,536.00
		Pedro Ibarra Rodriguez -		.00	.00	.00	1.0000	17,536.00	17,536.00 \$18,032.00
Firs	t Review Budget	Pedro Ibarra Rodriguez -	Supervisor	.00 1,984.41	.00 1,060.41	.00 9.68	1.0000 First Rev	17,536.00 view Budget Totals	17,536.00 \$18,032.00
Firs 001.080.086.45009 001.080.086.45010	st Review Budget  Healthcare Subsic	Pedro Ibarra Rodriguez -	Supervisor (1,773.13)				1.0000 First Rev	17,536.00 view Budget Totals .00	17,536.00 \$18,032.00
Firs 001.080.086.45009 001.080.086.45010	Healthcare Subsic Dental Contribution	Pedro Ibarra Rodriguez -	Supervisor (1,773.13)				1.0000 First Rev	17,536.00 view Budget Totals .00	17,536.00 \$18,032.00 .00
Firs 001.080.086.45009 001.080.086.45010 Budge <i>Lev</i>	Healthcare Subsic Dental Contribution	Pedro Ibarra Rodriguez -	Supervisor (1,773.13)				1.0000 First Rev .00 666.00	17,536.00 view Budget Totals .00 666.00	17,536.00 \$18,032.00 .0(
Firs 001.080.086.45009 001.080.086.45010 Budge <i>Lev</i>	Healthcare Subsic Dental Contributions Transactions	Pedro Ibarra Rodriguez -  y on <i>Transaction</i>	Supervisor (1,773.13)				1.0000 First Rev .00 666.00 Number of Units 1.0000	17,536.00 view Budget Totals .00 666.00	17,536.00 \$18,032.00 .00 .00 .00
Firs 001.080.086.45009 001.080.086.45010 Budge <i>Lev</i>	Healthcare Subsic Dental Contributions Transactions	Pedro Ibarra Rodriguez -  y on <i>Transaction</i>	Supervisor (1,773.13)				1.0000 First Rev .00 666.00 Number of Units 1.0000	17,536.00 view Budget Totals .00 666.00 Cost Per Unit 666.00	17,536.00 \$18,032.00 .00 .00 .00 .00 .00 .00 .00
Firs 001.080.086.45009 001.080.086.45010 Budge <i>Lev</i> Firs	Healthcare Subsic Dental Contribution to Transactions are st Review Budget	Pedro Ibarra Rodriguez -  y on <i>Transaction</i> Pedro Ibarra Rodriguez	(1,773.13) 2,634.15	1,984.41	1,060.41	9.68	1.0000 First Rev .00 666.00  Number of Units 1.0000 First Rev	17,536.00 view Budget Totals .00 666.00  Cost Per Unit 666.00 view Budget Totals	17,536.00 \$18,032.00 .0( .0(



			2020 Actual	2021 Actual	2022 Actual	2023 Actual	2024 Submitted	2024 First Review	FY24 FRL less FY24
G/L Account	Account Description	on	Amount	Amount	Amount	Amount	Budget	Budget	Submitted
Fund <b>001 - Gene</b>	ral Fund								
EXPENSE Department 0	NO Building Manag	am ant							
Sub-Departme	980 - Building Manag	Igmt- Sheriff Facility							
001.080.086.52020	Repairs and Maint	,	11,500.00	18,967.68	14,500.00	.00	.00	.00	.00
001.080.086.52110	Repairs and Maint	- Buildings	141,698.72	88,638.22	212,244.83	.00	.00	.00	.00
001.080.086.52120	Repairs and Maint	- Grounds	13,590.40	13,087.12	13,355.69	.00	.00	.00	.00
001.080.086.52160	Repairs and Maint	- Equipment	72,060.14	156,434.80	232,100.00	1,844.04	.00	.00	.00
001.080.086.52220	Equipment Lease		187.04	.00	433.44	.00	.00	.00	.00
001.080.086.52260	Grease Trap- Sept	tic Services	6,305.00	6,305.00	5,820.00	.00	.00	.00	.00
001.080.086.60010	Operating Supplies	s	397.10	175.02	100.00	.00	.00	.00	.00
001.080.086.60090	Utilities- Sewer		103,303.03	108,422.73	93,015.18	.00	.00	.00	.00
001.080.086.60100	Utilities- Water		77,310.85	84,283.44	82,013.96	.00	.00	.00	.00
001.080.086.60160	Cleaning Supplies		19,493.12	18,448.25	18,196.40	.00	.00	.00	.00
001.080.086.60210	Uniform Supplies		457.86	183.20	.00	4,496.61	.00	.00	.00
001.080.086.60265	Public Health Com	modities - Coronavirus	.00	.00	.00	.00	.00	.00	.00
Bude	get Transactions								
	evel	Transaction					Number of Units	Cost Per Unit	Total Amount
Fi	rst Review Budget	Covid-19 Supplies hand s	sanitizer station etc				1.0000	3,000.00	3,000.00
Fi	rst Review Budget	Remove in anticipation of	f reimbursement				(1.0000)	3,000.00	(3,000.00)
								view Budget Totals	\$0.00
01.080.086.63000	Utilities- Natural G	as	36,855.39	32,451.10	41,223.03	.00	.00	.00	.00
001.080.086.63010	Utilities- Electric		310,220.39	361,426.53	262,359.10	.00	.00	.00	.00.
Sub-D	Department 086 - Bui	ilding Mamt- Sheriff	\$1,158,360.93	\$1,272,796.72	\$1,207,009.15	\$7,583.64	\$28,682.00	\$26,722.00	(\$1,960.00)
		Facility Totals							
Sub-Departm		Facility Totals nt- ROE Office & Supplies		OΩ	00	13 685 68	00	00	00
01.080.088.52110	Repairs and Maint	Facility Totals nt- ROE Office & Supplies	.00	.00	.00	13,685.68	.00	.00	.00
001.080.088.52110		Facility Totals nt- ROE Office & Supplies		.00 130,000.00	.00 129,769.21	13,685.68 118,960.16	.00 130,000.00	.00	.00 .00
001.080.088.52110 001.080.088.52210 Bud	Repairs and Maint Building Lease get Transactions	Facility Totals at- ROE Office & Supplies - Buildings	.00			•	130,000.00	130,000.00	.00
001.080.088.52110 001.080.088.52210 Budg	Repairs and Maint Building Lease get Transactions evel	Facility Totals at- ROE Office & Supplies - Buildings  Transaction	.00 130,000.00			•	130,000.00  Number of Units	130,000.00  Cost Per Unit	.00
001.080.088.52110 001.080.088.52210 Budg	Repairs and Maint Building Lease get Transactions	Facility Totals at- ROE Office & Supplies - Buildings	.00 130,000.00			•	130,000.00  Number of Units 1.0000	130,000.00	.00
001.080.088.52110 001.080.088.52210 Budg	Repairs and Maint Building Lease get Transactions evel	Facility Totals at- ROE Office & Supplies - Buildings  Transaction	.00 130,000.00	130,000.00	129,769.21	118,960.16	Number of Units 1.0000 First Rev	Cost Per Unit 130,000.00 view Budget Totals	.00  Total Amount 130,000.00 \$130,000.00
01.080.088.52110 01.080.088.52210 Budg Le Fi 01.080.088.63010	Repairs and Maint Building Lease get Transactions evel irst Review Budget	Facility Totals at- ROE Office & Supplies - Buildings  Transaction ROE RENTAL PAYMENTS	.00 130,000.00			•	130,000.00  Number of Units 1.0000	130,000.00  Cost Per Unit 130,000.00	.00 <i>Total Amount</i> 130,000.00



'L Account Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted
and 001 - General Fund	Amount	Amount	Amount	Amount	buuget	budget	Submitted
EXPENSE							
Department 080 - Building Management							
Sub-Department 089 - Bldg Mgmt - Multi-Use Facility		4 600 00	20	00		00	
01.080.089.50150 Contractual/Consulting Services	.00	1,690.00	.00	.00	.00	.00	.00
11.080.089.52000 Disposal and Water Softener Srvs	.00	1,609.20	2,060.94	.00	.00	.00	.00
11.080.089.52010 Janitorial Services	.00	37,200.00	44,209.50	.00	.00	.00	.00
11.080.089.52020 Repairs and Maintenance- Roads	.00	3,705.00	11,093.03	.00	.00	.00	.00
1.080.089.52110 Repairs and Maint- Buildings	.00	20,777.48	77,255.49	(101.12)	.00	.00	.00
1.080.089.52120 Repairs and Maint- Grounds	.00	20,400.00	15,480.00	.00	.00	.00	.00
11.080.089.52160 Repairs and Maint- Equipment	.00	8,788.28	38,462.42	22,892.68	.00	.00	.00
1.080.089.60010 Operating Supplies	.00	737.13	530.29	.00	.00	.00	.00
1.080.089.60090 Utilities- Sewer	.00	381.20	807.69	.00	.00	.00	.00
1.080.089.60100 Utilities- Water	.00	624.16	1,335.38	.00	.00	.00	.00
1.080.089.60160 Cleaning Supplies	.00	4,197.06	2,130.42	.00	.00	.00	.00
1.080.089.60265 Public Health Commodities - Coronavirus	.00	.00	.00	.00	.00	.00	.00
Budget Transactions							
Level Transaction					Number of Units	Cost Per Unit	Total Amount
First Review Budget Covid-19 supplies First Review Budget Remove in anticipat	ion of reimbursement				1.0000 (1.0000)	4,000.00	4,000.00
							(4 nnn nn)
This review budget Remove in underput	ion of reimbursement				` ,	4,000.00 eview Budget Totals	(4,000.00) \$0.00
	.00	17,016.51	13,355.62	.00	` ,	· · · · · · · · · · · · · · · · · · ·	
.080.089.63000 Utilities- Natural Gas		17,016.51 39,027.29	13,355.62 49,306.51	.00	First Re	eview Budget Totals	\$0.00
L.080.089.63000 Utilities- Natural Gas L.080.089.63010 Utilities- Electric Sub-Department 089 - Bldg Mgmt - Multi-Use	.00 .00 \$0.00	•	•		First Re	eview Budget Totals .00	\$0.00
.080.089.63000 Utilities- Natural Gas .080.089.63010 Utilities- Electric	.00 .00 \$0.00	39,027.29	49,306.51	.00	First Re .00 .00	.00 .00	\$0.00 .00
.080.089.63000 Utilities- Natural Gas .080.089.63010 Utilities- Electric Sub-Department 089 - Bldg Mgmt - Multi-Use Facility Totals	.00 .00 \$0.00 \$4,672,802.30	39,027.29 \$156,153.31	49,306.51 \$256,027.29	.00 \$22,791.56	First Re .00 .00 .00	.00 .00 .00 \$0.00	\$0.00 .00 .00 \$0.00 \$247,411.00
1.080.089.63000 Utilities- Natural Gas 1.080.089.63010 Utilities- Electric  Sub-Department 089 - Bldg Mgmt - Multi-Use Facility Totals Department 080 - Building Management Totals	.00 .00 \$0.00 \$4,672,802.30 \$4,672,802.30	39,027.29 \$156,153.31 \$5,003,744.27	\$256,027.29 \$5,552,934.81	.00 \$22,791.56 \$5,154,418.14	First Re .00 .00 \$0.00 \$8,472,582.00	00 .00 \$0.00 \$8,719,993.00	\$0.00 .00 .00 \$0.00
1.080.089.63000 Utilities- Natural Gas 1.080.089.63010 Utilities- Electric  Sub-Department 089 - Bldg Mgmt - Multi-Use Facility Totals Department 080 - Building Management Totals EXPENSE TOTALS	.00 .00 \$0.00 \$4,672,802.30 \$4,672,802.30	39,027.29 \$156,153.31 \$5,003,744.27	\$256,027.29 \$5,552,934.81	.00 \$22,791.56 \$5,154,418.14	First Re .00 .00 \$0.00 \$8,472,582.00	00 .00 \$0.00 \$8,719,993.00	\$0.00 .00 .00 \$0.00 \$247,411.00
080.089.63000 Utilities- Natural Gas 080.089.63010 Utilities- Electric Sub-Department 089 - Bldg Mgmt - Multi-Use Facility Totals Department 080 - Building Management Totals EXPENSE TOTALS Fund 001 - General Fund Totals	.00 .00 \$0.00 \$4,672,802.30 \$4,672,802.30 \$44,983.01	\$156,153.31 \$5,003,744.27 \$5,003,744.27	\$256,027.29 \$5,552,934.81 \$5,552,934.81	\$22,791.56 \$5,154,418.14 \$5,154,418.14	\$0.00 \$0.00 \$8,472,582.00 \$8,472,582.00	\$0.00 \$0.00 \$8,719,993.00 \$8,719,993.00	\$0.00 .00 .00 \$0.00 \$247,411.00
.080.089.63000 Utilities- Natural Gas .080.089.63010 Utilities- Electric  Sub-Department 089 - Bldg Mgmt - Multi-Use Facility Totals Department 080 - Building Management Totals EXPENSE TOTALS  Fund 001 - General Fund Totals REVENUE TOTALS	.00 .00 \$0.00 \$4,672,802.30 \$44,672,802.30 \$44,672,802.30	\$156,153.31 \$5,003,744.27 \$5,003,744.27 \$39,334.83	\$256,027.29 \$5,552,934.81 \$5,552,934.81 \$39,922.92	.00 \$22,791.56 \$5,154,418.14 \$5,154,418.14 \$22,895.19	\$0.00 \$0.00 \$8,472,582.00 \$8,472,582.00 \$50,659.00	\$0.00 \$0.00 \$8,719,993.00 \$8,719,993.00 \$50,659.00	\$0.00 .00 .00 \$0.00 \$247,411.00 \$247,411.00
L.080.089.63000 Utilities- Natural Gas L.080.089.63010 Utilities- Electric  Sub-Department 089 - Bldg Mgmt - Multi-Use Facility Totals  Department 080 - Building Management Totals  EXPENSE TOTALS  Fund 001 - General Fund Totals  REVENUE TOTALS  EXPENSE TOTALS	.00 .00 \$0.00 \$4,672,802.30 \$4,672,802.30 \$44,983.01 \$44,672,802.30 (\$4,627,819.29)	\$156,153.31 \$5,003,744.27 \$5,003,744.27 \$5,003,744.27 \$39,334.83 \$5,003,744.27	\$256,027.29 \$5,552,934.81 \$5,552,934.81 \$39,922.92 \$5,552,934.81	.00 \$22,791.56 \$5,154,418.14 \$5,154,418.14 \$22,895.19 \$5,154,418.14	\$8,472,582.00 \$50,659.00 \$8,472,582.00	\$8,719,993.00 \$50,659.00 \$8,719,993.00	\$0.00 .00 .00 \$0.00 \$247,411.00 \$247,411.00 \$247,411.00
1.080.089.63000 Utilities- Natural Gas 1.080.089.63010 Utilities- Electric  Sub-Department 089 - Bldg Mgmt - Multi-Use Facility Totals Department 080 - Building Management Totals EXPENSE TOTALS  Fund 001 - General Fund Totals EXPENSE TOTALS EXPENSE TOTALS  Fund 001 - General Fund Totals  Net Grand Totals  REVENUE GRAND TOTALS	.00 .00 \$0.00 \$4,672,802.30 \$4,672,802.30 \$44,672,802.30 (\$4,627,819.29) \$44,983.01	\$156,153.31 \$5,003,744.27 \$5,003,744.27 \$5,003,744.27 \$39,334.83 \$5,003,744.27	\$256,027.29 \$5,552,934.81 \$5,552,934.81 \$39,922.92 \$5,552,934.81	.00 \$22,791.56 \$5,154,418.14 \$5,154,418.14 \$22,895.19 \$5,154,418.14	\$8,472,582.00 \$50,659.00 \$8,472,582.00	\$8,719,993.00 \$50,659.00 \$8,719,993.00	\$0.00 .00 .00 \$0.00 \$247,411.00 \$247,411.00 \$247,411.00
.080.089.63000 Utilities- Natural Gas .080.089.63010 Utilities- Electric  Sub-Department 089 - Bldg Mgmt - Multi-Use Facility Totals Department 080 - Building Management Totals EXPENSE TOTALS Fund 001 - General Fund Totals EXPENSE TOTALS EXPENSE TOTALS Fund 001 - General Fund Totals Net Grand Totals	.00 .00 \$0.00 \$4,672,802.30 \$4,672,802.30 \$44,672,802.30 (\$4,627,819.29) \$44,983.01	\$156,153.31 \$5,003,744.27 \$5,003,744.27 \$5,003,744.27 \$39,334.83 \$5,003,744.27 (\$4,964,409.44)	\$256,027.29 \$5,552,934.81 \$5,552,934.81 \$39,922.92 \$5,552,934.81 (\$5,513,011.89)	\$22,791.56 \$5,154,418.14 \$5,154,418.14 \$22,895.19 \$5,154,418.14 (\$5,131,522.95)	\$8,472,582.00 \$8,472,582.00 \$8,472,582.00 \$8,472,582.00 \$8,472,582.00 \$8,472,582.00 (\$8,421,923.00)	\$8,719,993.00 \$8,719,993.00 \$8,719,993.00 \$8,719,993.00 \$8,719,993.00 \$8,719,993.00 \$8,669,334.00)	\$0.00 .00 .00 \$0.00 \$247,411.00 \$247,411.00 \$247,411.00 (\$247,411.00)



Part   Gen   Floration   Flo	G/L Account	Account Description	1	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Department   080		General Fund									
Sub-Department   000 - Revenues   000 - Revenues   000 - Revenues   000 - Revenues   000		nt 080 - Building Manage	ment								
Maria Repair   Mar	·		incirc								
Budget Transactions	Other										
	001.080.000.38	Rental Income		44,983.01	39,334.83	39,922.92	22,895.19	50,659.00	50,659.00	50,659.00	.00
Second Review Budget   Arbitration   Second Review Budget   Sankruptz Court   Second Review Budget		Budget Transactions									
Second Review Budget   Second Review Budget   MCC   Farm Lease   1.0000   3,132.00   3,100.00											
Second Review Budget   Farm Lease   1.0000   3,13,2.00   3,132.00   12,000.		_							•		
Second Review Budget   INVC    S44,983.01   \$39,334.83   \$39,922.92   \$22,895.19   \$50,659.00		_	• •						•		
Second Review Budget   Sol,659.00   Sol,65		_									
Sub-Department   Other Totals   \$44,983.01   \$39,334.83   \$39,922.92   \$22,895.19   \$50,659.00   \$50,659.00   \$50,659.00   \$0.00		Second Review Budget	IWCC						·	· ·	
Sub-Department   000 - Revenues Totals   \$44,983.01   \$39,334.83   \$39,922.92   \$22,895.19   \$50,659.00   \$											
Department   080 - Building Management Totals   \$44,983.01   \$39,334.83   \$39,922.92   \$22,895.19   \$50,659.00   \$50,659.00   \$50,659.00   \$50,659.00   \$0.00			_								
EXPENSE   BUB   STATE   STAT		·									
EXPENSE   Department   080 - Building Management   Sub-Department   080 - Building Mgmt- Government Center   Personnel Services - Salaries 8 Wages   Regular Employees   Salaries and Wages   819,139.17   801,827.79   985,596.16   1,243,312.51   1,982,854.00   1,875,442.00   1,875,442.00   0.00	D	epartment <b>080 - Building</b>	_								
Department   080 - Building Management   080 - Building Mgmt- Government Center   Personnel Services - Salaries & Wages   Regular Employees   Salaries and Wages   819,139.17   801,827.79   985,596.16   1,243,312.51   1,982,854.00   1,875,442.00   1,875,442.00   .000			REVENUE TOTALS	\$44,903.01	\$39,334.63	\$39,922.92	\$22,095.19	\$50,059.00	\$50,059.00	\$50,059.00	\$0.00
Sub-Department		t 000 Building Manage									
Personnel Services- Salaries & Wages         Regular Employees         819,139.17         801,827.79         985,596.16         1,243,312.51         1,982,854.00         1,875,442.00         1,875,442.00         .00           Position Transactions         Level         Position Transactions         Total Amount           Level         Position Review Budget         906011001 - Executive Director IT/Bldg Mgmt         Earnings         Total Amount           Second Review Budget         908011001 - Director of Building Maintenance         Earnings         Earnings         Earnings         Earnings         103,001.00           Second Review Budget         908011004 - Director of Building Management         Earnings         Earnings         Earnings         Earnings         103,001.00           Second Review Budget         908011005 - Director of Building Maintenance         Earnings         Earnings         Earnings         Earnings         Earnings         Earnings         38,564.00           Second Review Budget         908017005 - Maintenance Tech II         Earnings         Earnings         Earnings         Earnings         Earnings	·										
Regular Employees         Salaries and Wages         819,139.17         801,827.79         985,596.16         1,243,312.51         1,982,854.00         1,875,442.00         1,875,442.00         .00           Position Transactions         Type         Code         Total Amount           Second Review Budget         906011001 - Executive Director IT/Bldg Mgmt         Earnings         97,780.00           Second Review Budget         908011002 - Project Manager         Earnings         984,975.00           Second Review Budget         908011002 - Project Manager         Earnings         Earnings         118,451.00           Second Review Budget         908011005 - Director of Building Maintenance         Earnings         118,451.00           Second Review Budget         908011005 - Director of Building Maintenance         Earnings         103,001.00           Second Review Budget         908011005 - Director of Building Maintenance         Earnings         103,001.00           Second Review Budget         908011005 - Director of Building Maintenance         Earnings         103,001.00           Second Review Budget         908017005 - Maintenance Tech II <td< td=""><td></td><td>3</td><td>giiit- dovernment cent</td><td>ei</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>		3	giiit- dovernment cent	ei							
Position Transactions											
LevelPositionTypeCodeTotal AmountSecond Review Budget906011001 - Executive Director IT/Bldg MgmtEarnings97,780.00Second Review Budget908011001 - Director of Building MaintenanceEarnings103,001.00Second Review Budget908011002 - Project ManagerEarnings84,975.00Second Review Budget908011004 - Director of Building ManagementEarnings118,451.00Second Review Budget908011005 - Director of Building MaintenanceEarnings103,001.00Second Review Budget908014003 - Information ReceptionistEarnings38,564.00Second Review Budget908017005 - Maintenance Tech IIEarnings55,000.00Second Review Budget908018002 - Maintenance Tech IIEarnings64,946.00Second Review Budget908018003 - Project ManagerEarnings80,000.00Second Review Budget908018003 - Project ManagerEarnings79,997.00Second Review Budget908018004 - Chief Building EngineerEarnings79,997.00Second Review Budget908018009 - Maintenance Tech IIIEarnings65,000.00Second Review Budget908018009 - Maintenance Tech IIIEarnings65,000.00	001.080.080.40	Salaries and Wages	5	819,139.17	801,827.79	985,596.16	1,243,312.51	1,982,854.00	1,875,442.00	1,875,442.00	.00
Second Review Budget 906011001 - Executive Director IT/Bldg Mgmt Earnings 97,780.00 Second Review Budget 908011001 - Director of Building Maintenance Earnings 103,001.00 Second Review Budget 908011002 - Project Manager Earnings 84,975.00 Second Review Budget 908011004 - Director of Building Management Earnings 118,451.00 Second Review Budget 908011005 - Director of Building Maintenance Earnings 103,001.00 Second Review Budget 908014003 - Information Receptionist Earnings 38,564.00 Second Review Budget 908017005 - Maintenance Tech II Earnings 55,000.00 Second Review Budget 908018002 - Maintenance Tech II Earnings 64,946.00 Second Review Budget 908018003 - Project Manager Earnings 80,000.00 Second Review Budget 908018004 - Chief Building Engineer Earnings 79,997.00 Second Review Budget 908018008 - Accounts Payable Analyst III Earnings 65,000.00 Second Review Budget 908018009 - Maintenance Tech III Earnings 65,000.00 Second Review Budget 908018009 - Maintenance Tech III Earnings 65,000.00		Position Transactions									
Second Review Budget906011001 - Executive Director IT/Bldg MgmtEarnings97,780.00Second Review Budget908011001 - Director of Building MaintenanceEarnings103,001.00Second Review Budget908011002 - Project ManagerEarnings84,975.00Second Review Budget908011004 - Director of Building ManagementEarnings118,451.00Second Review Budget908011005 - Director of Building MaintenanceEarnings103,001.00Second Review Budget908014003 - Information ReceptionistEarnings38,564.00Second Review Budget908017005 - Maintenance Tech IIEarnings55,000.00Second Review Budget908018002 - Maintenance Tech IIEarnings64,946.00Second Review Budget908018003 - Project ManagerEarnings80,000.00Second Review Budget908018004 - Chief Building EngineerEarnings79,997.00Second Review Budget908018008 - Accounts Payable Analyst IIIEarnings70,001.00Second Review Budget908018009 - Maintenance Tech IIIEarnings65,000.00Second Review Budget908018009 - Maintenance Tech IIIEarnings65,000.00		Level	Position		7	Гуре	Code			Total Amount	
Second Review Budget 908011002 - Project Manager Earnings 84,975.00 Second Review Budget 908011004 - Director of Building Management Earnings 118,451.00 Second Review Budget 908011005 - Director of Building Maintenance Earnings 103,001.00 Second Review Budget 908014003 - Information Receptionist Earnings 38,564.00 Second Review Budget 908017005 - Maintenance Tech II Earnings 55,000.00 Second Review Budget 908018002 - Maintenance Tech II Earnings 64,946.00 Second Review Budget 908018003 - Project Manager Earnings 80,000.00 Second Review Budget 908018004 - Chief Building Engineer Earnings 79,997.00 Second Review Budget 908018008 - Accounts Payable Analyst III Earnings 70,001.00 Second Review Budget 908018009 - Maintenance Tech III Earnings 65,000.00 Second Review Budget 908018009 - Maintenance Tech III Earnings 65,000.00 Second Review Budget 908018009 - Maintenance Tech III Earnings 65,000.00		Second Review Budget	906011001 - Executive I	Director IT/Bldg Mgmt						97,780.00	
Second Review Budget 908011004 - Director of Building Management Earnings 118,451.00 Second Review Budget 908011005 - Director of Building Maintenance Earnings 103,001.00 Second Review Budget 908014003 - Information Receptionist Earnings 38,564.00 Second Review Budget 908017005 - Maintenance Tech II Earnings 55,000.00 Second Review Budget 908018002 - Maintenance Tech II Earnings 64,946.00 Second Review Budget 908018003 - Project Manager Earnings 80,000.00 Second Review Budget 908018004 - Chief Building Engineer Earnings 79,997.00 Second Review Budget 908018008 - Accounts Payable Analyst III Earnings 70,001.00 Second Review Budget 908018009 - Maintenance Tech III Earnings 65,000.00 Second Review Budget 908018009 - Maintenance Tech III Earnings 65,000.00 Second Review Budget 908018010 - Maintenance Tech III Earnings 65,000.00		Second Review Budget	908011001 - Director of	Building Maintenance	E	arnings				103,001.00	
Second Review Budget 908011005 - Director of Building Maintenance Earnings 103,001.00 Second Review Budget 908014003 - Information Receptionist Earnings 38,564.00 Second Review Budget 908017005 - Maintenance Tech II Earnings 55,000.00 Second Review Budget 908018002 - Maintenance Tech II Earnings 64,946.00 Second Review Budget 908018003 - Project Manager Earnings 80,000.00 Second Review Budget 908018004 - Chief Building Engineer Earnings 79,997.00 Second Review Budget 908018008 - Accounts Payable Analyst III Earnings 70,001.00 Second Review Budget 908018009 - Maintenance Tech III Earnings 65,000.00 Second Review Budget 908018009 - Maintenance Tech III Earnings 65,000.00 Second Review Budget 908018010 - Maintenance Tech III Earnings 65,000.00		Second Review Budget	908011002 - Project Ma	nager	E	arnings				84,975.00	
Second Review Budget 908014003 - Information Receptionist Earnings 38,564.00 Second Review Budget 908017005 - Maintenance Tech II Earnings 55,000.00 Second Review Budget 908018002 - Maintenance Tech II Earnings 64,946.00 Second Review Budget 908018003 - Project Manager Earnings 80,000.00 Second Review Budget 908018004 - Chief Building Engineer Earnings 79,997.00 Second Review Budget 908018008 - Accounts Payable Analyst III Earnings 70,001.00 Second Review Budget 908018009 - Maintenance Tech III Earnings 65,000.00 Second Review Budget 908018010 - Maintenance Tech III Earnings 65,000.00		Second Review Budget	908011004 - Director of	Building Management	E	arnings				118,451.00	
Second Review Budget 908017005 - Maintenance Tech II Earnings 55,000.00 Second Review Budget 908018002 - Maintenance Tech II Earnings 64,946.00 Second Review Budget 908018003 - Project Manager Earnings 80,000.00 Second Review Budget 908018004 - Chief Building Engineer Earnings 79,997.00 Second Review Budget 908018008 - Accounts Payable Analyst III Earnings 70,001.00 Second Review Budget 908018009 - Maintenance Tech III Earnings 65,000.00 Second Review Budget 908018010 - Maintenance Tech III Earnings 65,000.00		Second Review Budget	908011005 - Director of	Building Maintenance	E	arnings				103,001.00	
Second Review Budget 908018002 - Maintenance Tech II Earnings 64,946.00 Second Review Budget 908018003 - Project Manager Earnings 80,000.00 Second Review Budget 908018004 - Chief Building Engineer Earnings 79,997.00 Second Review Budget 908018008 - Accounts Payable Analyst III Earnings 70,001.00 Second Review Budget 908018009 - Maintenance Tech III Earnings 65,000.00 Second Review Budget 908018010 - Maintenance Tech III Earnings 65,000.00		Second Review Budget	908014003 - Informatio	n Receptionist	E	arnings				38,564.00	
Second Review Budget 908018003 - Project Manager Earnings 80,000.00 Second Review Budget 908018004 - Chief Building Engineer Earnings 79,997.00 Second Review Budget 908018008 - Accounts Payable Analyst III Earnings 70,001.00 Second Review Budget 908018009 - Maintenance Tech III Earnings 65,000.00 Second Review Budget 908018010 - Maintenance Tech III Earnings 65,000.00		Second Review Budget	908017005 - Maintenan	ce Tech II	E	arnings				55,000.00	
Second Review Budget 908018004 - Chief Building Engineer Earnings 79,997.00 Second Review Budget 908018008 - Accounts Payable Analyst III Earnings 70,001.00 Second Review Budget 908018009 - Maintenance Tech III Earnings 65,000.00 Second Review Budget 908018010 - Maintenance Tech III Earnings 65,000.00		Second Review Budget	908018002 - Maintenan	ce Tech II	E	arnings				64,946.00	
Second Review Budget 908018008 - Accounts Payable Analyst III Earnings 70,001.00 Second Review Budget 908018009 - Maintenance Tech III Earnings 65,000.00 Second Review Budget 908018010 - Maintenance Tech III Earnings 65,000.00		_	•	-		-					
Second Review Budget 908018009 - Maintenance Tech III Earnings 65,000.00 Second Review Budget 908018010 - Maintenance Tech III Earnings 65,000.00		_				-					
Second Review Budget 908018010 - Maintenance Tech III Earnings 65,000.00		5				5				<i>'</i>	
		_				-				· · · · · · · · · · · · · · · · · · ·	
Second Review Budget 908018011 - Maintenance Lech III Earnings 65,000.00		_				-					
		Second Review Budget	908018011 - Maintenan	ce rech III	E	arnings				65,000.00	



Digitable   Digi	G/L Account	Account Description	n	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Department   1080 - Building Management   Sub-Department   1080 - Building Magnet - Government Center   Personnel Scriptines   Sub-Department   1080 - Building Magnet - Government Center   Personnel Scriptines	Fund <b>001 - G</b>	General Fund									
Sub-Department   600 - Building   Mgmt- Government Center   Personnal Services - Salariars   Sub-Script   Sub-Script - S	EXPENSE										
Parsonned Services - Salizarias & Vilagos   Second Review Budget	Departmen	nt 080 - Building Manage	ement								
Second Review Budget   980018013 - Minitenance Tech II			Igmt- Government Cente	r							
Second Review Budget   990818016 - Maliroom Supervisor   Earnings   \$ 4,001.00	Regular	Employees									
Second Review Budget   988181018 - Janntor I   Earnings     34,986.00		Second Review Budget	908018013 - Maintenance	e Tech II	E	Earnings				55,000.00	
Second Review Budget   9808118019 - Pintshop Mallroom Worker   Earnings   32,149.00		Second Review Budget	908018016 - Mailroom Su	pervisor	E	Earnings				45,001.00	
Second Review Budget   908018020 - Indirator   Earnings     34,986.00		Second Review Budget	908018018 - Janitor I		E	Earnings				34,986.00	
Second Review Budget   98001802   Amintemance Tech I   Earnings     50,001,00   60,020,00		Second Review Budget	908018019 - Printshop M	ailroom Worker	E	Earnings				32,149.00	
Second Review Budget   908018025 - Maintenance Tech III   Earnings		Second Review Budget	908018020 - Janitor I		E	Earnings				34,986.00	
Second Review Budget   908018026 - Custodial Building Supervisor   Earnings     45,001.00   9002.00   900018021 - Administrative Assistant   Earnings   55,001.00   90,002.		Second Review Budget	908018021 - Maintenance	e Tech I	E	Earnings				50,001.00	
Second Review Budget   908018031 - Chief Building Engineer   Earnings   500000   500000   500000   500000   500000   500000   500000   500000   500000   500000   500000   500000   500000   500000   5000000   5000000   5000000   5000000   5000000   50000000   5000000   50000000   50000000   500000000		Second Review Budget	908018025 - Maintenance	e Tech III	E	Earnings				60,320.00	
Second Review Budget   908018032 - Administrative Assistant   Earnings		Second Review Budget	908018026 - Custodial Bu	ilding Supervisor	E	Earnings				45,001.00	
Second Review Budget   Second Review Budge		Second Review Budget	908018031 - Chief Buildir	g Engineer	E	Earnings				90,002.00	
Second Review Budget   908018036 - Janitor   Earnings   34,986,00   Second Review Budget   908018037 - Janitor   Earnings   34,986,00   34,986,00   Second Review Budget   908018057 - Painter   Earnings   54,996,00   Second Review Budget   908018051 - Maintenance Tech III   Earnings   Second Review Budget   908018051 - Maintenance Tech III   Earnings   Second Review Budget   908018052 - Maintenance Tech III   Earnings   Second Review Budget   908018052 - Maintenance Tech III   Earnings   Second Review Budget   908018052 - Maintenance Tech III   Earnings   Second Review Budget   908018052 - Maintenance Tech III   Earnings   Second Review Budget   908018052 - Maintenance Tech III   Earnings   Second Review Budget   908018052 - Maintenance Tech III   Earnings   Second Review Budget   908018052 - Maintenance Tech III   Earnings   Second Review Budget   908018052 - Maintenance Tech III   Earnings   Second Review Budget   908018052 - Maintenance Tech III   Earnings   Second Review Budget   908018052 - Maintenance Tech III   Earnings   Second Review Budget   908018052 - Maintenance Tech III   Paintenance   Second Review Budget   Second Review Budget   Government Center . Overtime Salaries   1,288.97   2,343.55   4,269.47   30,885.71   45,632.00   45,632.00   51,658.00   6,026.00   10,000.00   10,00		Second Review Budget	908018032 - Administrati	ve Assistant	E	Earnings				55,001.00	
Second Review Budget   908018037 - Janitor   Earnings   54,996.00   Second Review Budget   908018050 - Painter   Earnings   54,996.00   54,996.00   54,996.00   54,996.00   54,996.00   54,996.00   54,996.00   54,996.00   54,996.00   54,996.00   54,996.00   54,996.00   54,996.00   54,996.00   54,896.00		Second Review Budget	908018033 - Mailroom Cl	erk	E	Earnings				31,991.00	
Second Review Budget Second Review Budget Second Review Budget Possiblo Painter Second Review Budget 1008051 - Maintenance Tech III Earnings         Earnings Second Review Budget Possiblo Possiblo Paintenance Tech III Earnings         54,996.00 65,000.00 60,000.00 60,000 00 00,00 00,00 00,00 00.00 0		Second Review Budget	908018036 - Janitor		E	Earnings				34,986.00	
Second Review Budget   908018051 - Maintenance Tech III   Earnings   Earnings   Second Review Budget   908018052 - Maintenance Tech III   Earnings   Second Review Budget Totals   66,000.00   60,020.00   60,020.00   60,020.00   60,020.00   60,020.00   60,000   6		Second Review Budget	908018037 - Janitor		E	Earnings				34,986.00	
Second Review Budget   908018052 - Maintenance Tech III   Earnings   260,320,000   3,875,442,000   3,1875		Second Review Budget	908018050 - Painter		E	Earnings				54,996.00	
Second Review Budget Totals   Second Review Budget Budget Budget Budget Totals   Second Review Budget B		Second Review Budget	908018051 - Maintenance	e Tech III	E	Earnings				65,000.00	
001.080.080.40009 Salaries and Wages Subsidy (6,713.84) (524.89) .00 .00 .00 .00 .00 .00 .00 .00 .00 .0		Second Review Budget	908018052 - Maintenance	e Tech III	E	Earnings			_	60,320.00	
Regular Employees Totals \$812,425.33 \$801,302.90 \$985,596.16 \$1,243,312.51 \$1,982,854.00 \$1,875,442.00 \$0.00  Overtime Salaries  001.080.080.40200 Overtime Salaries								Second Re	view Budget Totals	\$1,875,442.00	
Overtime Salaries         1,288.97         2,343.55         4,269.47         30,885.71         45,632.00         45,632.00         51,658.00         6,026.00           Budget Transactions	001.080.080.40	0009 Salaries and Wages	s Subsidy	(6,713.84)	(524.89)	.00	.00	.00	.00	.00	
001.080.080.4020		Reg	ular Employees Totals	\$812,425.33	\$801,302.90	\$985,596.16	\$1,243,312.51	\$1,982,854.00	\$1,875,442.00	\$1,875,442.00	\$0.00
Budget Transactions Level Transaction Second Review Budget Government Center .Overtime Salaries Second Review Budget Light Maintenance Second Review Budget Payroll Accrual  Position Transactions Level Position Second Review Budget Second Review Budget Position Second Review Budget Second Review Budget Position Second Review Budget Totals Second Review Budget Total Seco	Overtime	e Salaries									
LevelTransactionNumber of UnitsCost Per UnitTotal AmountSecond Review BudgetGovernment Center . Overtime Salaries1.000010,500.0010,500.00Second Review BudgetLight Maintenance1.000035,000.0035,000.00Second Review BudgetPayroll Accrual.002945,500.00132.00Position TransactionsLevelPositionTypeCodeTotal AmountSecond Review Budget906012033 - Desktop Support LeadEarnings3,013.00Second Review Budget906012047 - Desktop Support Analyst IIEarningsSecond Review Budget Totals\$6,026.00	001.080.080.40	O200 Overtime Salaries		1,288.97	2,343.55	4,269.47	30,885.71	45,632.00	45,632.00	51,658.00	6,026.00
Second Review Budget Light Maintenance 1.0000 10,500.00 10,500.00 35,000.00		Budget Transactions									
Second Review Budget Second Review Budget Payroll Accrual Second Review Budget Payroll Accrual Second Review Budget Payroll Accrual Second Review Budget Totals Second Review Budget Totals Second Review Budget Totals Second Review Budget Totals Second Review Budget Position Transactions  Level Position Type Code Total Amount Second Review Budget 906012033 - Desktop Support Lead Earnings 3,013.00 Second Review Budget 906012047 - Desktop Support Analyst II Earnings Second Review Budget Totals \$6,026.00		Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
Second Review Budget Payroll Accrual .0029 45,500.00 132.00 Second Review Budget Totals \$45,632.00  Position Transactions Level Position Position Transactions Second Review Budget 906012033 - Desktop Support Lead Earnings 3,013.00 Second Review Budget 906012047 - Desktop Support Analyst II Earnings Second Review Budget Totals \$6,026.00		Second Review Budget	Government Center .Over	time Salaries				1.0000	10,500.00	10,500.00	
Position Transactions Level Position Second Review Budget Second Review Budget 906012033 - Desktop Support Lead Second Review Budget 906012047 - Desktop Support Analyst II Earnings Second Review Budget Totals		Second Review Budget	Light Maintenance					1.0000	35,000.00	35,000.00	
Position Transactions  Level Position  Second Review Budget 906012033 - Desktop Support Lead Earnings 3,013.00  Second Review Budget 906012047 - Desktop Support Analyst II Earnings Second Review Budget 56,026.00		Second Review Budget	Payroll Accrual					.0029	45,500.00	132.00	
LevelPositionTypeCodeTotal AmountSecond Review Budget906012033 - Desktop Support LeadEarnings3,013.00Second Review Budget906012047 - Desktop Support Analyst IIEarnings3,013.00Second Review BudgetSecond Review Budget Totals\$6,026.00								Second Re	view Budget Totals	\$45,632.00	
Second Review Budget 906012033 - Desktop Support Lead Earnings 3,013.00 Second Review Budget 906012047 - Desktop Support Analyst II Earnings 3,013.00 Second Review Budget Totals		Position Transactions									
Second Review Budget 906012047 - Desktop Support Analyst II Earnings 3,013.00 Second Review Budget Totals \$6,026.00		Level	Position			Туре	Code			Total Amount	
Second Review Budget Totals \$6,026.00		Second Review Budget	906012033 - Desktop Sup	port Lead	E	Earnings				3,013.00	
		Second Review Budget	906012047 - Desktop Sup	port Analyst II	E	Earnings				3,013.00	
Overtime Salaries Totals \$1,288.97 \$2,343.55 \$4,269.47 \$30,885.71 \$45,632.00 \$45,632.00 \$51,658.00 \$6,026.00								Second Re	view Budget Totals	\$6,026.00	
4 1/2010 41/20100 41/20100 40/020100 40/020100 40/020100 40/020100 40/020100		Ol	vertime Salaries Totals	\$1,288.97	\$2,343.55	\$4,269.47	\$30,885.71	\$45,632.00	\$45,632.00	\$51,658.00	\$6,026.00



			2020 Actual	2021 Actual	2022 Actual	2023 Actual	2024 Submitted	2024 First Review	2024 Second	Change between
G/L Account	Account Description	on	Amount	Amount	Amount	Amount	Budget	Budget	Review Budget	2nd and 1st Rev
Fund 001 - Gene	eral Fund									
EXPENSE										
Department	080 - Building Manage	ement								
		Igmt- Government Center								
	vices- Salaries & Wages									
Other 001.080.080.40002	Non Union Wood T		00	.00	.00	00	40,000,00	00	.00	.00
001.080.080.40002	Non-Union Wage I	increase	.00	.00	.00	.00	48,666.00	.00	.00	.00
	dget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	Accrual on FY23 Non Unio	_				.0030	48,520.00	146.00	
	Second Review Budget	Finance: Remove FY23 N					1.0000	(48,666.00)	(48,666.00)	
5	Second Review Budget	FY23 Non Union Wage Inc	rease				1.0000	48,520.00	48,520.00	
								view Budget Totals	\$0.00	
001.080.080.40005	New Position Budg Contingency	get Moved to	.00	.00	.00	.00	(445,000.00)	.00	.00	.00
Bud	dget Transactions									
L	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
9	Second Review Budget	Finance Add back: 8.10.23	1				1.0000	445,000.00	445,000.00	
9	Second Review Budget	Janitor					1.0000	(35,000.00)	(35,000.00)	
9	Second Review Budget	Janitor					1.0000	(35,000.00)	(35,000.00)	
	Second Review Budget	Maintenance Supervisor					1.0000	(75,000.00)	(75,000.00)	
	Second Review Budget	Maintenance Technician					1.0000	(65,000.00)	(65,000.00)	
	Second Review Budget	Maintenance Technician					1.0000	(65,000.00)	(65,000.00)	
	Second Review Budget	Maintenance Technician					1.0000	(65,000.00)	(65,000.00)	
	Second Review Budget	Maintenance Technician					1.0000	(65,000.00)	(65,000.00)	
3	Second Review Budget	Project Manager					1.0000	(40,000.00)	(40,000.00)	
								view Budget Totals	\$0.00	
	Damana / Camina C	Other Totals	\$0.00	\$0.00	\$0.00	\$0.00	(\$396,334.00)	\$0.00	\$0.00	\$0.00
Parcannal Care	rices- Employee Benefits	alaries & Wages Totals	\$813,714.30	\$803,646.45	\$989,865.63	\$1,274,198.22	\$1,632,152.00	\$1,921,074.00	\$1,927,100.00	\$6,026.00
Group Insur	, ,									
001.080.080.45000		oution	147,818.64	116,464.01	144,063.38	251,955.60	173,753.00	173,753.00	.00	(173,753.00)
001.080.080.45009	Healthcare Subsid	У	(2,629.28)	(218.66)	.00	.00	.00	.00	.00	.00
001.080.080.45010	Dental Contributio	n	4,277.10	4,088.43	4,442.54	6,768.46	4,055.00	4,055.00	.00	(4,055.00)
001.080.080.45019	Dental Subsidy		(63.33)	(7.48)	.00	.00	.00	.00	.00	.00.
	,	Group Insurance Totals	\$149,403.13	\$120,326.30	\$148,505.92	\$258,724.06	\$177,808.00	\$177,808.00	\$0.00	(\$177,808.00)
		nployee Benefits Totals	\$149,403.13	\$120,326.30	\$148,505.92	\$258,724.06	\$177,808.00	\$177,808.00	\$0.00	(\$177,808.00)
										•



G/L Account Fund 001 - General CEXPENSE Department 080	Account Description		2020 Actual	2021 Actual	2022 Actual	2023 Actual	2024 Submitted	2024 First Review	2024 Second	Character background
Fund <b>001 - General</b> EXPENSE Department <b>080</b>	· · · · · · · · · · · · · · · · · · ·			A						Change between
EXPENSE Department 080		<u> </u>	Amount	Amount	Amount	Amount	Budget	Budget	Review Budget	2nd and 1st Re
Department <b>080</b>	ruliu									
·	- Building Manager	nent								
Sub-Department		ımt- Government Cente	r							
Contractual Service		jine dovernilone dente.								
Purchased Profes	ssional and Technical S	Services								
Professional										
001.080.080.50150	Contractual/Consulti	ng Services	.00	.00	.00	4,080.00	.00	.00	.00	.00
001.080.080.50235	Public Health Service	es - Coronavirus	.00	.00	.00	.00	.00	.00	.00	.00
Budget	Transactions									
Level	/	Transaction					Number of Units	Cost Per Unit	Total Amount	
Secor	nd Review Budget	Covid 19 service					1.0000	3,000.00	3,000.00	
Secor	nd Review Budget	Remove in anticipation of	reimbursement				(1.0000)	3,000.00	(3,000.00)	
							Second Re	view Budget Totals	\$0.00	
		Professional Totals	\$0.00	\$0.00	\$0.00	\$4,080.00	\$0.00	\$0.00	\$0.00	\$0.00
Purchased	Professional and Tech	nnical Services Totals	\$0.00	\$0.00	\$0.00	\$4,080.00	\$0.00	\$0.00	\$0.00	\$0.00
Purchased Proper										
Utility Services										
001.080.080.52260	Grease Trap- Septic	Services	.00	.00	.00	4,391.73	9,952.00	9,952.00	9,952.00	.00
Budget	Transactions									
Level	/	Transaction					Number of Units	Cost Per Unit	Total Amount	
Secor	nd Review Budget	Septic Services					1.0000	9,952.00	9,952.00	
							Second Re	view Budget Totals	\$9,952.00	
		Utility Services Totals	\$0.00	\$0.00	\$0.00	\$4,391.73	\$9,952.00	\$9,952.00	\$9,952.00	\$0.00
Cleaning Servio 001.080.080.52000	ices Disposal and Water	Softener Srys	5,202.15	5,542.40	9,230.33	47,747.79	68,286.00	68,300.00	68,300.00	.00.
	·	Softener Sivs	3/202113	3/3 121 10	3,230.33	.,,,,,,,,	00,200.00	00,500.00	00,500.00	
	Transactions									
Level		Transaction		e. 1			Number of Units	Cost Per Unit	Total Amount	
Secor	nd Review Budget	Waste Disposal Waste Mg	mt/& softener salt- i	Aidwest sait			1.0000	68,300.00	68,300.00	
								view Budget Totals	\$68,300.00	
001.080.080.52010	Janitorial Services		82,873.63	90,251.35	112,625.12	544,178.18	961,100.00	865,000.00	865,000.00	.00
Budget	Transactions									
Level	/	Transaction					Number of Units	Cost Per Unit	Total Amount	
Secor	nd Review Budget	Janitorial Cleaning Service	2				1.0000	865,000.00	865,000.00	
							Second Re	view Budget Totals	\$865,000.00	
	Clea	aning Services Totals	\$88,075.78	\$95,793.75	\$121,855.45	\$591,925.97	\$1,029,386.00	\$933,300.00	\$933,300.00	\$0.00



		2020 A-t1	2021 Astro-1	2022 Artural	2022 Astro-1	2024 Cubacitted	2024 First Davison	2024 Casand	Change behaves
G/L Account Accour	at Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund <b>001 - General Fund</b>									
EXPENSE									
Department 080 - Buildi	ng Management								
	<b>Building Mgmt- Government Cente</b>	er							
Contractual Services									
Purchased Property Servi									
Repair and Maintenand		10.515.10	44 502 20	27.764.04	224 570 75	400 000 00	100 100 00	100 100 00	20
001.080.080.52020 Repair	s and Maintenance- Roads	40,646.49	41,583.29	27,764.91	221,578.75	490,080.00	490,100.00	490,100.00	.00
Budget Transact	ions								
Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
Second Revie	w Budget Snow Plowing & Road Re	pairs				1.0000	490,100.00	490,100.00	
						Second Re	view Budget Totals	\$490,100.00	
001.080.080.52110 Repair	s and Maint- Buildings	98,016.35	117,518.70	173,528.86	824,196.81	637,516.00	1,210,658.00	1,210,658.00	.00
Budget Transact	ions								
Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
Second Revie		ical, Urben Elevator, A	Alarm Detection			1.0000	1,210,658.00	1,210,658.00	
		,					view Budget Totals	\$1,210,658.00	
001.080.080.52120 Repair	s and Maint- Grounds	19,289.28	45,927.84	65,781.75	149,025.18	136,708.00	136,750.00	136,750.00	.00
Budget Transact	ions								
Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
Second Revie	w Budget Landscaping, Mowing, Pla	ants				1.0000	136,750.00	136,750.00	
						Second Re	view Budget Totals	\$136,750.00	
001.080.080.52160 Repair	s and Maint- Equipment	6,728.56	8,408.67	23,687.72	381,232.60	281,866.00	480,000.00	480,000.00	.00
Budget Transact	ions								
Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
Second Revie		ige Water, Siemens Ft	r			1.0000	480,000.00	480,000.00	
3330.14 1.61.16	zaaget / moner : leenamea,/ zapa	.ge Trace., e.ee.is Ec					view Budget Totals	\$480,000.00	
001.080.080.52230 Repair	and Maint- Vehicles	18,473.64	26,593.51	23,328.41	42,747.23	29,744.00	55,000.00	55,000.00	.00
De dock Transco									
Budget Transact	ons Transaction					Number of Units	Cost Per Unit	Total Amount	
Second Revie		Automotive Discount	Tire Fullers Car			1.0000	55,000.00	55,000.00	
Second Nevic	Truck & car repair Notes	, atomotive, Discount	riic, ruiicis cui				view Budget Totals	\$55,000.00	
Panai	and Maintenance Services Totals	\$183,154.32	\$240,032.01	\$314,091.65	\$1,618,780.57	\$1,575,914.00	\$2,372,508.00	\$2,372,508.00	\$0.00
Kepai	and Maintenance Services Totals	\$103,134.3Z	<b>ΨΖΉυ,U3Ζ.U1</b>	του.τευ, <del>τ</del> ειεφ	\$1,010,700.37	91,3/3,914,00	φ <i>2,312,</i> 300.00	φ <i>∠,372,</i> 300.00	\$0.00



C/I Account	Assount Description	_	2020 Actual	2021 Actual	2022 Actual Amount	2023 Actual	2024 Submitted Budget	2024 First Review Budget	2024 Second	Change between
G/L Account Fund 001 - General F	Account Description	<u> </u>	Amount	Amount	Amount	Amount	Budget	Budget	Review Budget	2nd and 1st Rev
EXPENSE	ana									
Department 080 -	Building Manage	ement								
		gmt- Government Cente	r							
Contractual Services			-							
Purchased Propert	ty Services									
Rentals										
001.080.080.52190	Equipment Rental		.00	.00	.00	4,284.00	572.00	10,000.00	10,000.00	.00
Budget T	ransactions									
Level	Tansactions	Transaction					Number of Units	Cost Per Unit	Total Amount	
	d Review Budget	Rentalmax, Liftworks					1.0000	10,000.00	10,000.00	
		, , , , , , , , , , , , , , , , , , , ,					Second Re	view Budget Totals	\$10,000.00	
001.080.080.52210	Building Lease		53,45	.00	.00	.00	.00	.00	.00	.00
	3		.00	.00	650.16	13,030.90	27,456.00	27,500.00	27,500.00	.00
001.060.060.52220	Equipment Lease		.00	.00	050.10	13,030.90	27,450.00	27,500.00	27,500.00	.00
Budget T	ransactions									
Level		Transaction					Number of Units	Cost Per Unit	Total Amount	
Second	d Review Budget	Equipment Lease					1.0000	27,500.00	27,500.00	
							Second Re	view Budget Totals	\$27,500.00	
		Rentals Totals	\$53.45	\$0.00	\$650.16	\$17,314.90	\$28,028.00	\$37,500.00	\$37,500.00	\$0.00
	Purchased Pr	operty Services Totals	\$271,283.55	\$335,825.76	\$436,597.26	\$2,232,413.17	\$2,643,280.00	\$3,353,260.00	\$3,353,260.00	\$0.00
Other Purchased S										
Printing and Bin										
001.080.080.53060	General Printing		53,965.26	45,727.21	31,753.41	43,503.80	68,640.00	68,640.00	68,640.00	.00
Budget T	ransactions									
Level		Transaction					Number of Units	Cost Per Unit	Total Amount	
Second	d Review Budget	Forms, envelopes ets					1.0000	68,640.00	68,640.00	
							Second Re	view Budget Totals	\$68,640.00	
	Printi	ing and Binding Totals	\$53,965.26	\$45,727.21	\$31,753.41	\$43,503.80	\$68,640.00	\$68,640.00	\$68,640.00	\$0.00
Travel										
001.080.080.53110	Employee Training		.00	2,573.70	155.00	.00	5,720.00	12,000.00	12,000.00	.00
Budget T	ransactions									
Level		Transaction					Number of Units	Cost Per Unit	Total Amount	
Second	d Review Budget	Employee Training					1.0000	12,000.00	12,000.00	
							Second Re	view Budget Totals	\$12,000.00	



G/L Account	Account Description	on	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund <b>001 - Gener</b> a										
EXPENSE										
Department 08	30 - Building Manage	ement								
Sub-Departme	nt 080 - Building N	Igmt- Government Cente	er							
Contractual Serv	ices									
Other Purchase	ed Services									
Travel										
001.080.080.53120	Employee Mileage	Expense	.00	.00	.00	.00	457.00	457.00	457.00	.00
Budg	et Transactions									
Le	vel	Transaction					Number of Units	Cost Per Unit	Total Amount	
Sec	cond Review Budget	employee travel					1.0000	457.00	457.00	
							Second Re	eview Budget Totals	\$457.00	
		Travel Totals	\$0.00	\$2,573.70	\$155.00	\$0.00	\$6,177.00	\$12,457.00	\$12,457.00	\$0.00
	Other Pur	chased Services Totals	\$53,965.26	\$48,300.91	\$31,908.41	\$43,503.80	\$74,817.00	\$81,097.00	\$81,097.00	\$0.00
	Cont	tractual Services Totals	\$325,248.81	\$384,126.67	\$468,505.67	\$2,279,996.97	\$2,718,097.00	\$3,434,357.00	\$3,434,357.00	\$0.00
Commodities										
General Suppli										
001.080.080.60010	Operating Supplies	S	7,929.86	2,732.29	3,203.67	4,402.35	13,041.00	13,041.00	13,041.00	.00
Budg	et Transactions									
Le	vel	Transaction					Number of Units	Cost Per Unit	Total Amount	
Sec	cond Review Budget	Warehouse Direct, Tree I	House				1.0000	13,041.00	13,041.00	
							Second Re	eview Budget Totals	\$13,041.00	
001.080.080.60020	Computer Related	Supplies	.00	.00	.00	.00	572.00	572.00	572.00	.00
Budg	et Transactions									
Le	vel	Transaction					Number of Units	Cost Per Unit	Total Amount	
Sec	cond Review Budget	keyboards etc					1.0000	572.00	572.00	
							Second Re	eview Budget Totals	\$572.00	
001.080.080.60100	Utilities- Water		5,732.57	7,528.02	7,426.48	65,127.03	363,439.00	363,439.00	363,439.00	.00
Budg	et Transactions									
Le	vel	Transaction					Number of Units	Cost Per Unit	Total Amount	
Sec	cond Review Budget	City of Geneva rate incre	ase - usage				1.0000	363,439.00	363,439.00	
							Second Re	eview Budget Totals	\$363,439.00	



Account   Acco
EXPENSE   Department   080 - Building Management   Sub-Department   080 - Building Management   Commodities   Sub-Department   080 - Building Mgmt- Government Center   Commodities   Sub-Department   Commodities   Sub-Department   Commodities   Sub-Department   Commodities   Sub-Department   Commodities   Sub-Department   Commodities   Sub-Department   Sub-Department   Commodities   Sub-Department   Sub-Depar
Department   080 - Building Management   Sub-Department   080 - Building Mgmt- Government Center   Sub-Department   080 - Building Mgmt- Government Center   Commodities   Sub-Department   Commodities   Supplies   42,235.89   47,005.83   66,450.69   46,345.32   80,080.00   80,080.
Sub-Department   Commodities   Cost Per Unit   Cost
Commodities   General Supplies   42,235.89   47,005.83   66,450.69   46,345.32   80,080.00   80,080
01.080.080.60110 Printing Supplies 42,235.89 47,005.83 66,450.69 46,345.32 80,080.00
Budget Transactions       Level Second Review Budget       Transaction       Number of Units       Cost Per Unit       Total Amount         5econd Review Budget       County wide printing- paper envelopes forms       1,0000       80,080.00       80,891.00
Level Second Review Budget Potation         Transaction (County wide printing- paper envelopes forms)         Number of Units (Second Review Budget)         Cost Per Unit (Second Review Budget)         Total Amount (Second Review Budget)         \$80,080.00         \$80,891.00
Level Second Review Budget         Transaction County wide printing- paper envelopes forms         Number of Units Second Review Budget 10000 80,080.00 1.0000 80,080.00 80,080.00 80,080.00 \$80,080.00
Second Review Budget   County wide printing- paper envelopes forms   1.0000   80,080.00   \$80
Second Review Budget Totals   \$80,080.00
001.080.080.60160 Cleaning Supplies 14,434.39 8,951.03 11,567.18 65,195.62 86,891.00 86,891.00 86,891.00 .00    Budget Transactions   Number of Units   Cost Per Unit   Total Amount
Budget Transactions     Number of Units   Cost Per Unit   Total Amount
Level   Transaction   Number of Units   Cost Per Unit   Total Amount
Second Review Budget         Warehouse Direct- paper towel, toilet paper, soap etc         1.0000 Second Review Budget Totals         86,891.00 \$86,891.00           001.080.080.60210         Uniform Supplies         2,997.14         3,956.60         2,893.19         6,142.93         8,331.00
Second Review Budget Totals   \$86,891.00   \$86,891.00   \$80,000.000.000.000.000.000.000.000.000.0
001.080.080.60210 Uniform Supplies 2,997.14 3,956.60 2,893.19 6,142.93 8,331.00 8,331.00 8,331.00 0.00
Budget Transactions  Level Transaction Number of Units Cost Per Unit Total Amount  Second Review Budget Shirts, Pants, Uniform Supplies 1.0000 8,331.00 8,331.00
Level Transaction Number of Units Cost Per Unit Total Amount Second Review Budget Shirts, Pants, Uniform Supplies 1.0000 8,331.00 8,331.00
Level Transaction Number of Units Cost Per Unit Total Amount Second Review Budget Shirts, Pants, Uniform Supplies 1.0000 8,331.00 8,331.00
<u> </u>
Second Review Budget Totals \$8,331.00
001.080.080.60250 Medical Supplies and Drugs .00 .00 .00 .00 146.00 146.00 .00 .00
Budget Transactions
Level Transaction Number of Units Cost Per Unit Total Amount
Second Review Budget first aid kits 1.0000 146.00 146.00
Second Review Budget Totals \$146.00
001.080.080.60265 Public Health Commodities - Coronavirus .00 .00 .00 .00 .00 .00 .00 .00 .00 .0
Budget Transactions
Level Transaction Number of Units Cost Per Unit Total Amount
Second Review Budget Covid 19 supplies- hand sanitizer, stations ect 1.0000 3,000.00 3,000.00
Second Review Budget Remove in anticipation of reimbursement (1.0000) 3,000.00 (3,000.00)
Second Review Budget Totals \$0.00
General Supplies Totals \$73,329.85 \$70,173.77 \$91,541.21 \$187,213.25 \$552,500.00 \$552,500.00 \$552,500.00 \$0.00



			2020 Actual	2021 Actual	2022 Actual	2023 Actual	2024 Submitted	2024 First Review	2024 Second	Change between
	ınt Descriptio	n	Amount	Amount	Amount	Amount	Budget	Budget	Review Budget	2nd and 1st Rev
Fund 001 - General Fund										
EXPENSE										
Department 080 - Build										
Sub-Department <b>080</b> - Commodities	- Building M	Igmt- Government Center	r							
Energy										
Natural Gas										
	es- Natural Ga	as	26,386.50	17,992.51	30,837.30	185,094.03	505,238.00	505,238.00	505,238.00	.00
D. de et Terrer	ald a second									
Budget Transac Level	ctions	Transaction					Number of Units	Cost Per Unit	Total Amount	
Second Revie	ow Budget	Transaction  Constellation New Energy	increase in usage a	nd rata			1.0000	505,238.00	505,238.00	
Second Revie	ew budget	Constellation New Energy	increase in usage a	iu rate				view Budget Totals	\$505,238.00	
		Natural Gas Totals	\$26,386.50	\$17,992.51	\$30,837.30	\$185,094.03	\$505,238.00	\$505,238.00	\$505,238.00	\$0.00
Electricity		Natural Gas Totals	\$20,300.30	\$17,552.51	\$30,037.30	\$105,054.05	\$303,230.00	\$303,230.00	\$303,236.00	\$0.00
,	es- Electric		149,491.73	142,003.51	134,254.88	716,722.66	2,171,082.00	1,611,000.00	1,611,000.00	.00
			,	,	,	,	· ·			
Budget Transac	ctions	Transaction					Number of Units	Cost Por Unit	Total Amount	
Level	ou Budget	Transaction	rata 9 uanga				Number of Units 1.0000	Cost Per Unit 1,611,000.00	Total Amount	
Second Revie	ew buuget	City of Geneva increase in	rate & usage					view Budget Totals	1,611,000.00 \$1,611,000.00	
Gasoline		Electricity Totals	\$149,491.73	\$142,003.51	\$134,254.88	\$716,722.66	\$2,171,082.00	\$1,611,000.00	\$1,611,000.00	\$0.00
	Vehicles		13,392.45	17,465.13	25,562.79	10,936.08	22,880.00	22,880.00	22,880.00	.00
001.000.000.03040 Tuci	verneies		15,552.45	17,405.15	25,502.75	10,550.00	22,000.00	22,000.00	22,000.00	.00
Budget Transac	ctions									
Level		Transaction					Number of Units	Cost Per Unit	Total Amount	
Second Revie	ew Budget	Sheriff Gas Pump, Fleece					1.0000	22,880.00	22,880.00	
								view Budget Totals	\$22,880.00	
211		Gasoline Totals	\$13,392.45	\$17,465.13	\$25,562.79	\$10,936.08	\$22,880.00	\$22,880.00	\$22,880.00	\$0.00
Other			4 207 25	4 360 00	2 (20 22	74.640.26	272 170 00	216 000 00	216 000 00	00
001.080.080.60090 Utilitie	es- Sewer		4,287.25	4,260.80	3,629.32	74,649.36	372,178.00	216,000.00	216,000.00	.00
Budget Transac	ctions									
Level		Transaction					Number of Units	Cost Per Unit	Total Amount	
Second Revie	ew Budget	City of Geneva Geneva ra	ite increase overall ι	ısage			1.0000	216,000.00	216,000.00	
							Second Re	view Budget Totals	\$216,000.00	
		Other Totals	\$4,287.25	\$4,260.80	\$3,629.32	\$74,649.36	\$372,178.00	\$216,000.00	\$216,000.00	\$0.00
		Energy Totals	\$193,557.93	\$181,721.95	\$194,284.29	\$987,402.13	\$3,071,378.00	\$2,355,118.00	\$2,355,118.00	\$0.00
		Commodities Totals	\$266,887.78	\$251,895.72	\$285,825.50	\$1,174,615.38	\$3,623,878.00	\$2,907,618.00	\$2,907,618.00	\$0.00



C/I Account	Account Description	2020 Actual Amount	2021 Actual	2022 Actual	2023 Actual	2024 Submitted	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
G/L Account Fund 001 - Gene		Amount	Amount	Amount	Amount	Budget	<u> </u>	Review budget	Zhu ahu 1st Rev
EXPENSE	ciai i aiia								
	080 - Building Management								
	ment 080 - Building Mgmt- Government Center Total		\$1,559,995.14	\$1,892,702.72	\$4,987,534.63	\$8,151,935.00	\$8,440,857.00	\$8,269,075.00	(\$171,782.00)
	nent <b>081 - Building Mgmt- Judicial Cent</b> vices- Salaries & Wages	er							
Regular Emp	ployees								
001.080.081.40000	Salaries and Wages	89,378.92	84,004.87	103,178.75	2,489.46	.00	.00	.00	.00
	Regular Employees Totals	\$89,378.92	\$84,004.87	\$103,178.75	\$2,489.46	\$0.00	\$0.00	\$0.00	\$0.00
Overtime Sa									
001.080.081.40200	Overtime Salaries	1,378.83	695.71	3,860.64	.00	7,852.00	7,852.00	7,852.00	.00
Buo	dget Transactions								
L	Level Transaction					Number of Units	Cost Per Unit	Total Amount	
S	Second Review Budget Judicial Center.Ove	rtime Salaries				1.0000	7,829.00	7,829.00	
S	Second Review Budget Payroll Accrual					.0030	7,828.00	23.00	
						Second Re	eview Budget Totals	\$7,852.00	
	Overtime Salaries Totals	\$1,378.83	\$695.71	\$3,860.64	\$0.00	\$7,852.00	\$7,852.00	\$7,852.00	\$0.00
Other									
001.080.081.40002	Non-Union Wage Increase	.00	.00	.00	.00	4,637.00	.00	.00	.00
Buc	dget Transactions								
L	Level Transaction					Number of Units	Cost Per Unit	Total Amount	
S	Second Review Budget Accrual on FY23 No	n Union Wage Increase				.0030	4,623.00	14.00	
	3	Y23 NU Wage Inc/Accrual				1.0000	(4,637.00)	(4,637.00)	
S	Second Review Budget FY23 Non Union Wa	age Increase				1.0000	4,623.00	4,623.00	
						Second Re	eview Budget Totals	\$0.00	
	Other Totals	\$0.00	\$0.00	\$0.00	\$0.00	\$4,637.00	\$0.00	\$0.00	\$0.00
	Personnel Services- Salaries & Wages Totals	\$90,757.75	\$84,700.58	\$107,039.39	\$2,489.46	\$12,489.00	\$7,852.00	\$7,852.00	\$0.00
Personnel Serv	vices- Employee Benefits								
Group Insura									
001.080.081.45000	Healthcare Contribution	28,501.94	23,440.60	22,246.48	228.82	95,878.00	95,878.00	.00	(95,878.00)
001.080.081.45010	Dental Contribution	1,523.54	967.72	823.66	6.69	2,283.00	2,283.00	.00	(2,283.00)
	Group Insurance Totals	\$30,025.48	\$24,408.32	\$23,070.14	\$235.51	\$98,161.00	\$98,161.00	\$0.00	(\$98,161.00)
	Personnel Services- Employee Benefits Totals	\$30,025.48	\$24,408.32	\$23,070.14	\$235.51	\$98,161.00	\$98,161.00	\$0.00	(\$98,161.00)



G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between
Fund <b>001 - Genera</b>		Amount	Amount	Amount	Amount	Budget	Budget	Review Budget	2nd and 1st Re
EXPENSE									
	0 - Building Management								
	t 081 - Building Mgmt- Judicial Center								
Contractual Service									
Purchased Prof Professional	essional and Technical Services								
001.080.081.50235	Public Health Services - Coronavirus	.00	.00	.00	.00	.00	.00	.00	.0
		.00	.00		.00	.00			
	et Transactions					Al	Cook Down I livit	Total America	
Lev	rel Transaction ond Review Budget Covid-19 Service					Number of Units 1.0000	Cost Per Unit 3,000.00	Total Amount 3,000.00	
	ond Review Budget Remove in anticipation	of reimbursement				(1.0000)	3,000.00	(3,000.00)	
						` ,	view Budget Totals	\$0.00	
	Professional Totals	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0
Purchase	ed Professional and Technical Services Totals	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0
Purchased Prop	perty Services								
Cleaning Ser									
001.080.081.52000	Disposal and Water Softener Srvs	8,008.23	4,714.05	5,602.25	.00	.00	.00	.00	.0
001.080.081.52010	Janitorial Services	156,324.96	171,504.66	95,469.88	.00	.00	.00	.00	.0
	Cleaning Services Totals	\$164,333.19	\$176,218.71	\$101,072.13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0
•	Aaintenance Services	25 577 24	27 176 52	42,000,20	.00	00	00	.00	0
001.080.081.52020	Repairs and Maintenance- Roads	25,577.21	37,176.53	43,089.28		.00	.00		.0
001.080.081.52110	Repairs and Maint- Buildings	156,399.10	119,966.37	147,738.58	1,137.50	.00	.00	.00	.0
001.080.081.52120	Repairs and Maint- Grounds	11,952.81	18,875.68	45,464.59	.00	.00	.00	.00	.0
001.080.081.52160	Repairs and Maint- Equipment	83,112.70	121,648.54	92,066.58	.00	.00	.00	.00	.0
	Repair and Maintenance Services Totals	\$277,041.82	\$297,667.12	\$328,359.03	\$1,137.50	\$0.00	\$0.00	\$0.00	\$0.0
	Purchased Property Services Totals  Contractual Services Totals	\$441,375.01 \$441,375.01	\$473,885.83 \$473,885.83	\$429,431.16 \$429,431.16	\$1,137.50 \$1,137.50	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
Commodities	Contractual Services Totals	\$ <del>11</del> 1,3/3.01	\$ <del>4</del> 73,003.03	\$429,431.10	\$1,137.30	<b>\$0.00</b>	φυ.υυ	<b>\$0.00</b>	φυ.υ
General Supplie	25								
001.080.081.60010	Operating Supplies	.00	3,381.89	.00	.00	.00	.00	.00	.0
001.080.081.60100	Utilities- Water	19,118.65	18,704.58	25,591.51	.00	.00	.00	.00	.0
001.080.081.60160	Cleaning Supplies	9,128.86	7,130.91	11,414.61	.00	.00	.00	.00	.0
001.080.081.60265	Public Health Commodities - Coronavirus	.00	.00	.00	.00	.00	.00	.00	.0
_	et Transactions					Alumahan - Citis II	Cook Down Livit	Total Assessed	
Lev						Number of Units	Cost Per Unit	Total Amount	
Sec	ond Review Budget Covid 19 supplie					1.0000	3,000.00	3,000.00	



2024 Submitted

2024 First Review

2023 Actual

Budget Year 2024

Change between

2024 Second

G/L Account	Account Description	Amount	Amount	Amount	Amount	Budget	Budget	Review Budget	2nd and 1st Rev
Fund <b>001 - Genera</b>	al Fund								
EXPENSE									
Department 08	80 - Building Management								
Sub-Departmen	nt 081 - Building Mgmt- Judicial Center								
General Suppli	ies								
Sec	cond Review Budget Remove in anticipation	of reimbursement				(1.0000)	3,000.00	(3,000.00)	
						Second Rev	iew Budget Totals	\$0.00	
	General Supplies Totals	\$28,247.51	\$29,217.38	\$37,006.12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Energy		4-0/	4-0/	401/1001	43.33	7	7	40.00	7-1
Natural Gas									
001.080.081.63000	Utilities- Natural Gas	38,489.69	27,103.01	37,377.12	.00	.00	.00	.00	.00
	Natural Gas Totals	\$38,489.69	\$27,103.01	\$37,377.12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Electricity									
001.080.081.63010	Utilities- Electric	345,043.57	262,482.51	201,345.19	.00	.00	.00	.00	.00
	Electricity Totals	\$345,043.57	\$262,482.51	\$201,345.19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other									
001.080.081.60090	Utilities- Sewer	21,405.36	16,859.68	24,550.26	.00	.00	.00	.00	.00
	Other Totals	\$21,405.36	\$16,859.68	\$24,550.26	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Energy Totals	\$404,938.62	\$306,445.20	\$263,272.57	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Commodities Totals	\$433,186.13	\$335,662.58	\$300,278.69	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Sub-Dep	partment 081 - Building Mgmt- Judicial Center Totals	\$995,344.37	\$918,657.31	\$859,819.38	\$3,862.47	\$110,650.00	\$106,013.00	\$7,852.00	(\$98,161.00)
	nt <b>082 - Building Mgmt- Juv Justice Cntr</b> es- Salaries & Wages								
Regular Emplo	_								
001.080.082.40000	Salaries and Wages	37,950.66	4,306.42	.00	.00	33,748.00	.00	.00	.00
001.080.082.40009	Salaries and Wages Subsidy	(488.58)	.00	.00	.00	.00	.00	.00	.00
	Regular Employees Totals	\$37,462.08	\$4,306.42	\$0.00	\$0.00	\$33,748.00	\$0.00	\$0.00	\$0.00
Overtime Salai	ries								
001.080.082.40200	Overtime Salaries	205.94	.00	.00	.00	.00	.00	.00	.00
Budge	et Transactions								
Lei						Number of Units	Cost Per Unit	Total Amount	
Sec	cond Review Budget Juv Justice Cntr.Overtim	ne Salaries				1.0000	427.00	427.00	
Sec	cond Review Budget Payroll Accrual					.0029	426.00	1.00	

2022 Actual

2020 Actual

2021 Actual



2024 Submitted

2024 First Review

2023 Actual

Budget Year 2024

Change between

2024 Second

EXPENSE   Department   080 - Building Management   082 - Building Mgmt- Juv Justice Cntr   Personnel Services - Salaries & Wages   Overtime Salaries   S	G/L Account	Account Description	1	Amount	Amount	Amount	Amount	Budget	Budget	Review Budget	2nd and 1st Rev
Department   080 - Building Mgmaspers   1,000   282 - Building Mgmt- Juv Justice Cntr   2,000   2,0	Fund 001 - Gene	eral Fund								-	
Sub-Department   Salvices- Salaries & Wages   Salaries & Salaries & Wages   Salaries & Wages   Salaries & Salar	EXPENSE										
Personnel Services- Salaries & Wages	Department (	080 - Building Manage	ment								
Second Review Budget   Remove per FSD (no salaries and wages in FY23)   \$1,000   \$428.00  \$500   \$500			gmt- Juv Justice Cntr								
Second Review Budget Totals   \$0.00	Overtime Sal	alaries									
Overtime Salaries Totals   \$205.94   \$0.00	S	Second Review Budget	Remove per FSD (no sal	laries and wages in FY23	5)			1.0000	(428.00)	(428.00)	
Personnel Services- Salaries & Wages Totals   \$37,668.02   \$4,306.42   \$0.00   \$0.00   \$33,748.00   \$0.00								Second Rev	riew Budget Totals	\$0.00	
Personnel Services- Employee Benefits		Ov	rertime Salaries Totals	\$205.94	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Second Review Budget   Transactions   Second Review Budget   Transactions   Second Review Budget   Transactions   Second Review Budget   Transactions   Second Review Budget   Transaction   Second Review Budget   Transactions   Second Review Budget   Second Review Budget   Transactions   Second Review Budget   Second Review Budget   Second Review Budget   Second Review Budget   Transactions   Second Review Budget   Secon		Personnel Services- Sa	laries & Wages Totals	\$37,668.02	\$4,306.42	\$0.00	\$0.00	\$33,748.00	\$0.00	\$0.00	\$0.00
001.080.082.45000	Personnel Serv	vices- Employee Benefits									
Budget Transactions  Leve	Group Insura	rance									
Level         Transaction         Number of Units         Cost Per Unit         Total Amount           Second Review Budget         Remove per FSD as no salaries and wages in FY23         1.0000         (29,616.00)         (29,616.00)           Second Review Budget         Vacant - Maintenance         1.0000         29,616.00         29,616.00           001.080.082.45010         Dental Contribution         180.90         .00 <t< td=""><td>001.080.082.45000</td><td>) Healthcare Contribu</td><td>ution</td><td>6,366.92</td><td>.00</td><td>.00</td><td>.00</td><td>.00</td><td>.00</td><td>.00</td><td>.00</td></t<>	001.080.082.45000	) Healthcare Contribu	ution	6,366.92	.00	.00	.00	.00	.00	.00	.00
Level         Transaction         Number of Units         Cost Per Unit         Total Amount           Second Review Budget         Remove per FSD as no salaries and wages in FY23         1.0000         (29,616.00)         (29,616.00)           Second Review Budget         Vacant - Maintenance         1.0000         29,616.00         29,616.00           001.080.082.45010         Dental Contribution         180.90         .00 <t< td=""><td>Ruc</td><td>idget Transactions</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Ruc	idget Transactions									
Second Review Budget   Second Review Budget   Vacant - Maintenance   1.0000 (29,616.00)		_	Transaction					Number of Units	Cost Per Unit	Total Amount	
Second Review Budget   Vacant - Maintenance   1.0000   29,616.00   29,616.00   Second Review Budget Totals   \$0.00				salaries and wages in FY	23						
Second Review Budget Totals   \$0.00   \$01.080.082.45010   Dental Contribution   180.90   .00		-	•	salaries and wages in i						` ' '	
001.080.082.45010         Dental Contribution         180.90         .00		Joseph Meridin Budget	racant namediane						·		
Level Transaction Number of Units Cost Per Unit Total Amount	001.080.082.45010	Dental Contribution		180.90	.00	.00	.00			.00	.00
Level Transaction Number of Units Cost Per Unit Total Amount	Buc	idget Transactions									
Second Review Budget Remove per FSD as no salaries and wages in FY23 1.0000 (699.00) (699.00)		-	Transaction					Number of Units	Cost Per Unit	Total Amount	
	S	Second Review Budget	Remove per FSD as no s	salaries and wages in FY	23			1.0000	(699.00)	(699.00)	
Second Review Budget vacant Maintenance 1.0000 699.00 699.00	S	Second Review Budget	vacant Maintenance	_				1.0000	699.00	699.00	
Second Review Budget Totals \$0.00								Second Rev	riew Budget Totals	\$0.00	
Group Insurance Totals \$6,547.82 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00		G	roup Insurance Totals	\$6,547.82	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
			·	· · ·	\$0.00	\$0.00	\$0.00		\$0.00	\$0.00	\$0.00
Contractual Services	Contractual Sea	ervices .									
Purchased Professional and Technical Services	Purchased Pa	Professional and Technical	Services								
Professional	Profession	nal									
001.080.082.50235 Public Health Services - Coronavirus .00 .00 .00 .00 .00 .00 .00 .00 .00 .0		5 Public Health Service	ces - Coronavirus	.00	.00	.00	.00	.00	.00	.00	.00
Budget Transactions	001.080.082.50235										
Level Transaction Number of Units Cost Per Unit Total Amount											
Second Review Budget covid-19 services 1.0000 1,000.00 1,000.00	Bud	dget Transactions	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Bud L	dget Transactions									

2022 Actual

2020 Actual

2021 Actual



Budget Year 2024

2023 Actual 2020 Actual 2021 Actual 2022 Actual 2024 Submitted 2024 First Review 2024 Second Change between G/L Account **Account Description Amount** <u>Amount</u> Budget Budget **Review Budget** 2nd and 1st Rev Amount Amount

Fund 001 - General Fund

**EXPENSE** 

Department 080 - Building Management

Sub-Department 082 - Building Mgmt- Juv Justice Cntr

Contractual Services

Purchased Professional and Technical Services

Professional

Sec	ond Review Budget Remove in anticipation of	f reimbursement				(1.0000)	1,000.00 ew Budget Totals	(1,000.00) \$0.00	
	Professional Totals	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	ed Professional and Technical Services Totals	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Purchased Prop	,								
Utility Service									
001.080.082.52260	Grease Trap- Septic Services	2,340.00	1,980.00	2,780.00	.00	.00	.00	.00	.00
	Utility Services Totals	\$2,340.00	\$1,980.00	\$2,780.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Cleaning Ser	vices								
001.080.082.52000	Disposal and Water Softener Srvs	4,333.15	3,553.15	3,649.62	.00	.00	.00	.00	.00
001.080.082.52010	Janitorial Services	53,747.59	54,856.59	95,723.78	.00	.00	.00	.00	.00
	Cleaning Services Totals	\$58,080.74	\$58,409.74	\$99,373.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Repair and M	Naintenance Services								
001.080.082.52020	Repairs and Maintenance- Roads	6,375.00	12,870.00	9,190.00	.00	.00	.00	.00	.00
001.080.082.52110	Repairs and Maint- Buildings	35,429.05	43,783.70	94,235.36	.00	.00	.00	.00	.00
001.080.082.52120	Repairs and Maint- Grounds	5,831.59	8,999.97	16,534.26	.00	.00	.00	.00	.00
001.080.082.52160	Repairs and Maint- Equipment	12,865.97	24,551.92	37,863.35	.00	.00	.00	.00	.00
	Repair and Maintenance Services Totals	\$60,501.61	\$90,205.59	\$157,822.97	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Purchased Property Services Totals	\$120,922.35	\$150,595.33	\$259,976.37	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Contractual Services Totals	\$120,922.35	\$150,595.33	\$259,976.37	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Commodities									
General Supplie	es								
001.080.082.60100	Utilities- Water	.00	816.15	155.95	.00	.00	.00	.00	.00
001.080.082.60160	Cleaning Supplies	7,892.50	6,348.52	7,367.63	.00	.00	.00	.00	.00
001.080.082.60265	Public Health Commodities - Coronavirus	.00	.00	.00	.00	.00	.00	.00	.00
Budge	et Transactions								
<i>Lev</i> Sec	rel Transaction ond Review Budget Covid-19 Supplies					Number of Units 1.0000	Cost Per Unit 3,000.00	Total Amount 3,000.00	



Budget Year 2024

G/L Account	Account Description	on	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund 001 - Gener	al Fund									
EXPENSE										
Department 08	80 - Building Manag	ement								
Sub-Departme Commodities	ent 082 - Building I	Mgmt- Juv Justice Cntr								
General Suppl	lies									
Se	econd Review Budget	Remove in anticipation of	of reimbursement				(1.0000)	3,000.00	(3,000.00)	
							Second Re	view Budget Totals	\$0.00	
		General Supplies Totals	\$7,892.50	\$7,164.67	\$7,523.58	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Energy										
Natural Gas	5									
001.080.082.63000	Utilities- Natural G	Gas	29,400.64	18,380.47	28,471.45	.00	.00	.00	.00	.00
		Natural Gas Totals	\$29,400.64	\$18,380.47	\$28,471.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Electricity										
001.080.082.63010	Utilities- Electric		79,320.76	148,391.12	142,481.94	.00	.00	.00	.00	.00
		Electricity Totals	\$79,320.76	\$148,391.12	\$142,481.94	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other										
001.080.082.60090	Utilities- Sewer		.00	1,227.23	9.46	.00	.00	.00	.00	.00
		Other Totals	\$0.00	\$1,227.23	\$9.46	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
		Energy Totals	\$108,721.40	\$167,998.82	\$170,962.85	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
		Commodities Totals	\$116,613.90	\$175,163.49	\$178,486.43	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Sub-Depart	ment <b>082 - Buildin</b>	g Mgmt- Juv Justice Cntr Totals	\$281,752.09	\$330,065.24	\$438,462.80	\$0.00	\$33,748.00	\$0.00	\$0.00	\$0.00
Sub-Departme Contractual Serv		Mgmt- North Campus								
Purchased Pro	ofessional and Technica	al Services								
Professional	/									
001.080.083.50235	Public Health Serv	vices - Coronavirus	.00	.00	.00	.00	.00	.00	.00	.00
Budg	get Transactions									
	evel	Transaction					Number of Units	Cost Per Unit	Total Amount	
	econd Review Budget	Covid-19 Services					1.0000	1,000.00	1,000.00	
Se	econd Review Budget	Remove in anticipation of	of reimbursement				(1.0000)	1,000.00	(1,000.00)	
								view Budget Totals	\$0.00	
		Professional Totals	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Purchas	sed Professional and Te	echnical Services Totals	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00



PPYYYY									
C/L Account	Account Description	2020 Actual	2021 Actual	2022 Actual Amount	2023 Actual Amount	2024 Submitted	2024 First Review	2024 Second Review Budget	Change between 2nd and 1st Rev
G/L Account Fund 001 - Gener	•	Amount	Amount	Amount	AIIIOUIIL	Budget	Budget	Review budget	Ziiu aiiu 1st Rev
EXPENSE									
	80 - Building Management								
Sub-Departme	ent <b>083 - Building Mgmt- North Campus</b> vices								
Purchased Pro	operty Services								
Cleaning Se	ervices								
001.080.083.52000	Disposal and Water Softener Srvs	1,372.50	3,482.24	1,741.59	.00	.00	.00	.00	.00
001.080.083.52010	Janitorial Services	65,468.64	66,567.66	90,079.17	.00	.00	.00	.00	.00
	Cleaning Services Totals	\$66,841.14	\$70,049.90	\$91,820.76	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
,	Maintenance Services								
001.080.083.52020	Repairs and Maintenance- Roads	.00	5,367.53	9,122.78	.00	.00	.00	.00	.00
001.080.083.52110	Repairs and Maint- Buildings	21,831.35	22,624.29	28,913.36	.00	.00	.00	.00	.00
001.080.083.52120	Repairs and Maint- Grounds	3,195.00	7,024.98	8,473.55	.00	.00	.00	.00	.00
001.080.083.52160	Repairs and Maint- Equipment	11,481.06	22,721.91	10,983.81	.00	.00	.00	.00	.00
	Repair and Maintenance Services Totals	\$36,507.41	\$57,738.71	\$57,493.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Rentals									
001.080.083.52220	Equipment Lease	.00	17,324.80	17,174.64	.00	.00	.00	.00	.00
	Rentals Totals	\$0.00	\$17,324.80	\$17,174.64	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Purchased Property Services Totals	\$103,348.55	\$145,113.41	\$166,488.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Contractual Services Totals	\$103,348.55	\$145,113.41	\$166,488.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Commodities General Supp	diag								
001.080.083.60010	Operating Supplies	140.76	.00	.00	.00	.00	.00	.00	.00
001.080.083.60100	Utilities- Water	1,056.00	1,149.63	1,181.64	.00	.00	.00.	.00	.00
		•	·	•					
001.080.083.60160	Cleaning Supplies	6,176.38	8,856.71	10,397.51	.00	.00	.00	.00	.00
001.080.083.60265	Public Health Commodities - Coronavirus	.00	.00	.00	.00	.00	.00	.00	.00
Budg	get Transactions								
	evel Transaction					Number of Units	Cost Per Unit	Total Amount	
	econd Review Budget Covid-19 supplies					1.0000	3,000.00	3,000.00	
Se	econd Review Budget Remove in anticipation of	of reimbursement				(1.0000)	3,000.00	(3,000.00)	
							eview Budget Totals		
_	General Supplies Totals	\$7,373.14	\$10,006.34	\$11,579.15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Energy Natural Gas	s.								
001.080.083.63000	Utilities- Natural Gas	9,504.24	6,217.08	11,939.66	.00	.00	.00	.00	.00
331.000.003.03000	Natural Gas Totals —	\$9,504.24	\$6,217.08	\$11,939.66	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	ivaturai GdS TOtalS	\$9,5U4.2 <del>4</del>	\$0,217.08	\$11,333.00	\$U.UU	\$U.UU	φυ.υυ	\$0.00	\$0.00



	Associat Description	2020 Actual	2021 Actual	2022 Actual	2023 Actual	2024 Submitted	2024 First Review	2024 Second	Change between
G/L Account Fund 001 - Genera	Account Description	Amount	Amount	Amount	Amount	Budget	Budget	Review Budget	2nd and 1st Rev
EXPENSE	ai ruiia								
	80 - Building Management								
Sub-Departme									
Commodities									
Energy									
Electricity									
001.080.083.63010	Utilities- Electric	104,559.77	103,036.91	115,968.26	.00	.00	.00	.00	.00
	Electricity Totals	\$104,559.77	\$103,036.91	\$115,968.26	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Gasoline									
001.080.083.63040	Fuel- Vehicles	.00	64.84	.00	.00	.00	.00	.00	.00
	Gasoline Totals	\$0.00	\$64.84	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other									
001.080.083.60090	Utilities- Sewer	1,356.40	1,050.60	1,288.30	.00	.00	.00	.00	.00
	Other Totals	\$1,356.40	\$1,050.60	\$1,288.30	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Energy Totals	\$115,420.41	\$110,369.43	\$129,196.22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Commodities Totals	\$122,793.55	\$120,375.77	\$140,775.37	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Sub-D	epartment <b>083 - Building Mgmt- North Campus</b> Totals	\$226,142.10	\$265,489.18	\$307,264.27	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Sub-Departme Contractual Servi	nt <b>084 - Building Mgmt- Aurora Health</b>								
Purchased Pro	perty Services								
Cleaning Sei	n icoc								
	VICES								
001.080.084.52000	Disposal and Water Softener Srvs	1,204.40	1,049.52	2,005.21	.00	.00	.00	.00	.00
001.080.084.52000 001.080.084.52010		1,204.40 24,951.39	1,049.52 27,491.17	2,005.21 29,667.52	.00 .00	.00	.00 .00	.00 .00	.00.
	Disposal and Water Softener Srvs	,	,	•					
001.080.084.52010	Disposal and Water Softener Srvs Janitorial Services	24,951.39	27,491.17	29,667.52	.00	.00	.00	.00	.00
001.080.084.52010	Disposal and Water Softener Srvs  Janitorial Services  Cleaning Services Totals	24,951.39	27,491.17	29,667.52	.00	.00	.00	.00	.00
001.080.084.52010  Repair and I	Disposal and Water Softener Srvs  Janitorial Services  Cleaning Services Totals  Maintenance Services	24,951.39 \$26,155.79	27,491.17 \$28,540.69	29,667.52 \$31,672.73	.00 \$0.00	.00 \$0.00	.00 \$0.00	.00 \$0.00	.00 \$0.00
001.080.084.52010  Repair and / 001.080.084.52020	Disposal and Water Softener Srvs Janitorial Services  Cleaning Services Totals  Maintenance Services  Repairs and Maintenance- Roads	24,951.39 \$26,155.79 .00	27,491.17 \$28,540.69 2,602.24	29,667.52 \$31,672.73 9,727.83	.00 \$0.00	.00 \$0.00	.00 \$0.00	.00 \$0.00	.00 \$0.00
001.080.084.52010  Repair and I  001.080.084.52020  001.080.084.52110	Disposal and Water Softener Srvs Janitorial Services  Cleaning Services Totals  Maintenance Services  Repairs and Maintenance- Roads  Repairs and Maint- Buildings	24,951.39 \$26,155.79 .00 8,558.68	27,491.17 \$28,540.69 2,602.24 25,658.46	29,667.52 \$31,672.73 9,727.83 19,808.85	.00 \$0.00 .00	.00 \$0.00 .00	.00 \$0.00 .00 .00	.00 \$0.00 .00	.00 \$0.00 .00
001.080.084.52010  Repair and I  001.080.084.52020  001.080.084.52110  001.080.084.52120	Disposal and Water Softener Srvs Janitorial Services  Cleaning Services Totals  Maintenance Services  Repairs and Maintenance- Roads  Repairs and Maint- Buildings  Repairs and Maint- Grounds  Repairs and Maint- Equipment	24,951.39 \$26,155.79 .00 8,558.68 3,470.00 1,145.33	27,491.17 \$28,540.69 2,602.24 25,658.46 15,239.98 2,776.22	29,667.52 \$31,672.73 9,727.83 19,808.85 12,739.98 .00	.00 \$0.00 .00 .00 .00	.00 \$0.00 .00 .00 .00	.00 \$0.00 .00 .00 .00	.00 \$0.00 .00 .00 .00	.00 \$0.00 .00 .00
001.080.084.52010  Repair and I  001.080.084.52020  001.080.084.52110  001.080.084.52120	Disposal and Water Softener Srvs Janitorial Services  Cleaning Services Totals  Maintenance Services Repairs and Maintenance- Roads Repairs and Maint- Buildings Repairs and Maint- Grounds Repairs and Maint- Equipment  Repair and Maintenance Services Totals	24,951.39 \$26,155.79 .00 8,558.68 3,470.00 1,145.33 \$13,174.01	27,491.17 \$28,540.69 2,602.24 25,658.46 15,239.98	29,667.52 \$31,672.73 9,727.83 19,808.85 12,739.98	.00 \$0.00 .00 .00	.00 \$0.00 .00 .00	.00 \$0.00 .00 .00	.00 \$0.00 .00 .00	.00 \$0.00 .00 .00 .00
001.080.084.52010  Repair and I  001.080.084.52020  001.080.084.52110  001.080.084.52120	Disposal and Water Softener Srvs Janitorial Services  Cleaning Services Totals  Maintenance Services  Repairs and Maintenance- Roads  Repairs and Maint- Buildings  Repairs and Maint- Grounds  Repairs and Maint- Equipment	24,951.39 \$26,155.79 .00 8,558.68 3,470.00 1,145.33	27,491.17 \$28,540.69 2,602.24 25,658.46 15,239.98 2,776.22 \$46,276.90	29,667.52 \$31,672.73 9,727.83 19,808.85 12,739.98 .00 \$42,276.66	.00 \$0.00 .00 .00 .00 .00	.00 \$0.00 .00 .00 .00 .00	.00 \$0.00 .00 .00 .00 .00	.00 \$0.00 .00 .00 .00 .00 \$0.00	.00 \$0.00 .00 .00
001.080.084.52010  Repair and I  001.080.084.52020  001.080.084.52110  001.080.084.52120	Disposal and Water Softener Srvs  Janitorial Services  Cleaning Services Totals  Maintenance Services  Repairs and Maintenance- Roads  Repairs and Maint- Buildings  Repairs and Maint- Grounds  Repairs and Maint- Equipment  Repair and Maintenance Services Totals  Purchased Property Services Totals	24,951.39 \$26,155.79 .00 8,558.68 3,470.00 1,145.33 \$13,174.01 \$39,329.80	27,491.17 \$28,540.69 2,602.24 25,658.46 15,239.98 2,776.22 \$46,276.90 \$74,817.59	29,667.52 \$31,672.73 9,727.83 19,808.85 12,739.98 .00 \$42,276.66 \$73,949.39	.00 \$0.00 .00 .00 .00 .00 \$0.00 \$0.00	.00 \$0.00 .00 .00 .00 .00 \$0.00	.00 \$0.00 .00 .00 .00 .00 \$0.00 \$0.00	.00 \$0.00 .00 .00 .00 .00 \$0.00	.00 \$0.00 .00 .00 .00 .00 \$0.00
001.080.084.52010  Repair and / 001.080.084.52020 001.080.084.52110 001.080.084.52120 001.080.084.52160	Disposal and Water Softener Srvs Janitorial Services  Cleaning Services Totals  Maintenance Services  Repairs and Maintenance- Roads  Repairs and Maint- Buildings  Repairs and Maint- Grounds  Repairs and Maint- Equipment  Repair and Maintenance Services Totals  Purchased Property Services Totals  Contractual Services Totals	24,951.39 \$26,155.79 .00 8,558.68 3,470.00 1,145.33 \$13,174.01 \$39,329.80	27,491.17 \$28,540.69 2,602.24 25,658.46 15,239.98 2,776.22 \$46,276.90 \$74,817.59	29,667.52 \$31,672.73 9,727.83 19,808.85 12,739.98 .00 \$42,276.66 \$73,949.39 \$73,949.39	.00 \$0.00 .00 .00 .00 .00 \$0.00 \$0.00	.00 \$0.00 .00 .00 .00 .00 \$0.00	.00 \$0.00 .00 .00 .00 .00 \$0.00 \$0.00	.00 \$0.00 .00 .00 .00 .00 \$0.00	.00 \$0.00 .00 .00 .00 .00 \$0.00
001.080.084.52010  Repair and I  001.080.084.52020  001.080.084.52110  001.080.084.52120  001.080.084.52160  Commodities	Disposal and Water Softener Srvs Janitorial Services  Cleaning Services Totals  Maintenance Services  Repairs and Maintenance- Roads  Repairs and Maint- Buildings  Repairs and Maint- Grounds  Repairs and Maint- Equipment  Repair and Maintenance Services Totals  Purchased Property Services Totals  Contractual Services Totals	24,951.39 \$26,155.79 .00 8,558.68 3,470.00 1,145.33 \$13,174.01 \$39,329.80	27,491.17 \$28,540.69 2,602.24 25,658.46 15,239.98 2,776.22 \$46,276.90 \$74,817.59	29,667.52 \$31,672.73 9,727.83 19,808.85 12,739.98 .00 \$42,276.66 \$73,949.39	.00 \$0.00 .00 .00 .00 .00 \$0.00 \$0.00	.00 \$0.00 .00 .00 .00 .00 \$0.00	.00 \$0.00 .00 .00 .00 .00 \$0.00 \$0.00	.00 \$0.00 .00 .00 .00 .00 \$0.00	.00 \$0.00 .00 .00 .00 .00 \$0.00



G/L Account Fund 001 - General F EXPENSE Department 080 - Sub-Department	Account Description Fund	2020 Actual Amount	2021 Actual Amount	2022 Actual	2023 Actual	2024 Submitted	2024 First Review	2024 Second	Change between
Fund <b>001 - General F</b> EXPENSE  Department <b>080 -</b>	·	Amount	Amount			D da ak	D dank	Davidson Burdanak	
EXPENSE  Department 080 -	runa		7 1110 4110	Amount	Amount	Budget	Budget	Review Budget	2nd and 1st Rev
Department 080 -									
	Duilding Management								
Sub-Debartifient	084 - Building Mgmt- Aurora Health								
Commodities	004 - Building Mgmt- Aurora Health								
General Supplies									
	General Supplies Totals	\$2,845.28	\$2,596.96	\$3,557.94	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Energy									
Natural Gas									
001.080.084.63000	Utilities- Natural Gas	8,341.90	5,773.64	15,099.76	.00	.00	.00	.00	.00
	Natural Gas Totals	\$8,341.90	\$5,773.64	\$15,099.76	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Electricity									
001.080.084.63010	Utilities- Electric	24,567.60	40,122.24	18,264.69	.00	.00	.00	.00	.00
	Electricity Totals	\$24,567.60	\$40,122.24	\$18,264.69	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other									
001.080.084.60090	Utilities- Sewer	2,423.66	2,254.42	3,227.55	.00	.00	.00	.00	.00
	Other Totals	\$2,423.66	\$2,254.42	\$3,227.55	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Energy Totals	\$35,333.16	\$48,150.30	\$36,592.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Commodities Totals	\$38,178.44	\$50,747.26	\$40,149.94	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Sub-Department	<b>084 - Building Mgmt- Aurora Health</b> Totals	\$77,508.24	\$125,564.85	\$114,099.33	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Sub-Department Personnel Services-	<b>085 - Building Mgmt- Old Courthouse</b> Salaries & Wages								
Regular Employee	es								
001.080.085.40000	Salaries and Wages	16,373.61	25,554.10	41,138.30	.00	.00	.00	.00	.00
001.080.085.40009	Salaries and Wages Subsidy	(539.12)	(524.89)	.00	.00	.00	.00	.00	.00
	Regular Employees Totals	\$15,834.49	\$25,029.21	\$41,138.30	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Overtime Salaries	5								
001.080.085.40200	Overtime Salaries	.00	.00	.00	.00	5,015.00	5,015.00	5,015.00	.00
Budget 7	Transactions								
Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
Secon	nd Review Budget 3RD ST COURTHOUSE O	VERTIME				1.0000	5,000.00	5,000.00	
Secon	nd Review Budget Payroll accrual					.0030	5,000.00	15.00	
						Second Re	view Budget Totals	\$5,015.00	
	Overtime Salaries Totals	\$0.00	\$0.00	\$0.00	\$0.00	\$5,015.00	\$5,015.00	\$5,015.00	\$0.00



777										
G/L Account	Account Descriptio	n	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Re
Fund <b>001 - Genera</b>			Amount	Amount	Amount	Amount	Dauget	Dauget	Review Budget	Zna ana 13t Ke
EXPENSE										
Department 08	0 - Building Manage	ement								
Sub-Departmer	nt 085 - Building M	Igmt- Old Courthouse								
	es- Salaries & Wages									
Other										_
001.080.085.40002	Non-Union Wage I	ncrease	.00	.00	.00	.00	1,166.00	.00	.00	.0
Budge	et Transactions									
Lev	rel	Transaction					Number of Units	Cost Per Unit	Total Amount	
	ond Review Budget	Accrual on FY23 Non Uni	•				.0030	1,163.00	3.00	
	ond Review Budget	Finance: Remove FY23 N	_				1.0000	(1,166.00)	(1,166.00)	
Sec	ond Review Budget	FY23 Non Union Wage In	icrease				1.0000	1,163.00	1,163.00	
								eview Budget Totals	\$0.00	
		Other Totals	\$0.00	\$0.00	\$0.00	\$0.00	\$1,166.00	\$0.00	\$0.00	\$0.0
		alaries & Wages Totals	\$15,834.49	\$25,029.21	\$41,138.30	\$0.00	\$6,181.00	\$5,015.00	\$5,015.00	\$0.0
Personnel Service Group Insurand	es- Employee Benefits									
001.080.085.45000	.e Healthcare Contrib	ution	.00	3,254.08	10,671.66	.00	11,053.00	11,053.00	.00	(11,053.00
001.080.085.45009	Healthcare Subsidy		.00	(218.66)	.00	.00	.00	.00	.00	0.
	•			` '						
001.080.085.45010	Dental Contribution	1	69.39	209.39	333.12	.00	333.00	333.00	.00	(333.00
001.080.085.45019	Dental Subsidy		(2.45)	(7.48)	.00	.00	.00	.00	.00	.0
_		Froup Insurance Totals	\$66.94	\$3,237.33	\$11,004.78	\$0.00	\$11,386.00	\$11,386.00	\$0.00	(\$11,386.00
		ployee Benefits Totals	\$66.94	\$3,237.33	\$11,004.78	\$0.00	\$11,386.00	\$11,386.00	\$0.00	(\$11,386.00
Contractual Service	ces fessional and Technica	I Convices								
Professional	essional and recilincal	Services								
001.080.085.50235	Public Health Servi	ces - Coronavirus	.00	.00	.00	.00	.00	.00	.00	.0
		000 0010110111100								
	et Transactions	<b>-</b>						0 1 5 11 "	T	
Lev		Transaction					Number of Units 1.0000	Cost Per Unit	Total Amount	
	ond Review Budget	Covid-19 Service	f					1,000.00	1,000.00	
Sec	ond Review Budget	Remove in anticipation of	reimbursement				(1.0000)	1,000.00 eview Budget Totals	(1,000.00)	
			10.00	10.00	10.00	10.00				
Deventor	ad Duefeesianal acid Ta	Professional Totals	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0
Purchase Purchased Prop		chnical Services Totals	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0
Cleaning Ser	*									
001.080.085.52000	Disposal and Wate	r Softener Srvs	1,355.90	1,846.05	3,686.90	.00	.00	.00	.00	.0
001.080.085.52010	Janitorial Services		85,978.26	68,534.63	93,902.37	.00	.00	.00	.00	.0
001.000.003.32010	Janikonan Services		05,570.20	00,557.05	33,302.37	.00	.00	.00	.00	.0



G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund <b>001 - Genera</b>		Amount	Amount	Amount	Amount	buuget	buuget	Review budget	Ziiu aliu 1st Ke
EXPENSE									
	80 - Building Management								
Sub-Departme Contractual Servi	nt 085 - Building Mgmt- Old Courthouse								
Purchased Pro	perty Services								
Cleaning Sei	rvices								
	Cleaning Services Totals	\$87,334.16	\$70,380.68	\$97,589.27	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Repair and I	Maintenance Services								
001.080.085.52020	Repairs and Maintenance- Roads	1,141.80	5,350.68	5,730.00	.00	.00	.00	.00	.00
001.080.085.52110	Repairs and Maint- Buildings	37,180.38	22,872.26	48,422.97	.00	.00	.00	.00	.00
001.080.085.52120	Repairs and Maint- Grounds	6,768.49	5,091.42	5,541.42	.00	.00	.00	.00	.00
001.080.085.52160	Repairs and Maint- Equipment	5,418.96	5,827.73	26,245.99	.00	.00	.00	.00	.00
	Repair and Maintenance Services Totals	\$50,509.63	\$39,142.09	\$85,940.38	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Purchased Property Services Totals	\$137,843.79	\$109,522.77	\$183,529.65	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Contractual Services Totals	\$137,843.79	\$109,522.77	\$183,529.65	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Commodities General Suppli	ies								
001.080.085.60100	Utilities- Water	4,415.52	7,143.88	3,798.48	.00	.00	.00	.00	.00
001.080.085.60160	Cleaning Supplies	3,821.33	2,956.28	3,251.05	.00	.00	.00	.00	.00
001.080.085.60265	Public Health Commodities - Coronavirus	.00	.00	.00	.00	.00	.00	.00	.00
Budge	et Transactions								
Lei	vel Transaction					Number of Units	Cost Per Unit	Total Amount	
Sec	cond Review Budget Covid supplies					1.0000	3,000.00	3,000.00	
Sec	cond Review Budget Remove in anticipation of	of reimbursement				(1.0000)	3,000.00	(3,000.00)	
						Second Re	eview Budget Totals	\$0.00	
	General Supplies Totals	\$8,236.85	\$10,100.16	\$7,049.53	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Energy									
Natural Gas									
001.080.085.63000	Utilities- Natural Gas	18,919.81	17,768.89	26,935.22	.00	.00	.00	.00	.00.
	Natural Gas Totals	\$18,919.81	\$17,768.89	\$26,935.22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Electricity		62.454.20	74.062.42	74 022 00		00	20	00	0.0
001.080.085.63010	Utilities- Electric	63,451.28	74,862.13	74,822.09	.00	.00	.00	.00	.00.
Cut-	Electricity Totals	\$63,451.28	\$74,862.13	\$74,822.09	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other									
001.080.085.60090	Utilities- Sewer	4,087.39	4,502.03	3,070.30	.00	.00	.00	.00	.00



G/L Account	Account Descriptio	n	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
-	neral Fund		Amount	Amount	Amount	Amount	Baaget	Duaget	Review Budget	Zha ana 13t Kev
EXPENSE										
Department	080 - Building Manage	ement								
Sub-Depart Commodities	tment 085 - Building M	Igmt- Old Courthouse								
Energy Other										
		Other Totals	\$4,087.39	\$4,502.03	\$3,070.30	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
		Energy Totals	\$86,458.48	\$97,133.05	\$104,827.61	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
		Commodities Totals	\$94,695.33	\$107,233.21	\$111,877.14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Sub-Department <b>085 -</b>		\$248,440.55	\$245,022.52	\$347,549.87	\$0.00	\$17,567.00	\$16,401.00	\$5,015.00	(\$11,386.00)
	tment <b>086 - Building M</b> ervices- Salaries & Wages	Igmt- Sheriff Facility								
Regular En	mployees									
001.080.086.4000	OO Salaries and Wage	S	220,041.56	241,083.22	107,891.01	1,001.11	.00	.00	.00	.00
001.080.086.4000	9 Salaries and Wage	s Subsidy	(5,823.03)	.00	.00	.00	.00	.00	.00	.00
		ular Employees Totals	\$214,218.53	\$241,083.22	\$107,891.01	\$1,001.11	\$0.00	\$0.00	\$0.00	\$0.00
Overtime S										
001.080.086.4020	00 Overtime Salaries		15,821.17	20,549.00	13,739.77	.00	8,024.00	8,024.00	8,024.00	.00
В	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	Jail .Overtime Salaries					1.0000	8,000.00	8,000.00	
	Second Review Budget	Payroll Accrual					.0030	8,000.00	24.00	
							Second Re	view Budget Totals	\$8,024.00	
	Oı	vertime Salaries Totals	\$15,821.17	\$20,549.00	\$13,739.77	\$0.00	\$8,024.00	\$8,024.00	\$8,024.00	\$0.00
Other										
001.080.086.4000	Non-Union Wage I	ncrease	.00	.00	.00	.00	1,960.00	.00	.00	.00
В	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	Accrual on FY23 Non Uni	ion Wage Increase				.0030	1,954.00	6.00	
	Second Review Budget	Finance: Remove FY23	NU Wage Inc/Accrual				1.0000	(1,960.00)	(1,960.00)	
	Second Review Budget	FY23 Non Union Wage In	ncrease				1.0000	1,954.00	1,954.00	
							Second Re	view Budget Totals	\$0.00	
		Other Totals	\$0.00	\$0.00	\$0.00	\$0.00	\$1,960.00	\$0.00	\$0.00	\$0.00



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G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund <b>001 - Genera</b>	<u> </u>	Amount	Amount	Amount	Amount	buuget	Dudget	Review budget	Ziiu diiu 1st Kev
EXPENSE									
	0 - Building Management								
Sub-Departmer	nt 086 - Building Mgmt- Sheriff Facility								
	Personnel Services- Salaries & Wages Totals	\$230,039.70	\$261,632.22	\$121,630.78	\$1,001.11	\$9,984.00	\$8,024.00	\$8,024.00	\$0.00
	es- Employee Benefits								
Group Insurance 001.080.086.45000		60 227 20	64 414 24	20 760 17	222.20	10 022 00	10.022.00	.00	(10.022.00)
	Healthcare Contribution	69,237.29	64,414.24	28,760.17	232.20	18,032.00	18,032.00		(18,032.00)
001.080.086.45009	Healthcare Subsidy	(1,773.13)	.00	.00	.00	.00	.00	.00	.00
001.080.086.45010	Dental Contribution	2,634.15	1,984.41	1,060.41	9.68	666.00	666.00	.00	(666.00)
001.080.086.45019	Dental Subsidy	(67.37)	.00	.00	.00	.00	.00	.00	.00
	Group Insurance Totals	\$70,030.94	\$66,398.65	\$29,820.58	\$241.88	\$18,698.00	\$18,698.00	\$0.00	(\$18,698.00)
	Personnel Services- Employee Benefits Totals	\$70,030.94	\$66,398.65	\$29,820.58	\$241.88	\$18,698.00	\$18,698.00	\$0.00	(\$18,698.00)
Contractual Servi									
Purchased Prop Utility Service									
001.080.086.52260	Grease Trap- Septic Services	6,305.00	6,305.00	5,820.00	.00	.00	.00	.00	.00
001.000.000.32200	Utility Services Totals	\$6,305.00	\$6,305.00	\$5,820.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Cleaning Ser	,	ψ0,303.00	ψ0,303.00	ψ5,020.00	φ0.00	φ0.00	φ0.00	φ0.00	φ0.00
001.080.086.52000	Disposal and Water Softener Srvs	7,048.05	10,323.15	21,483.18	.00	.00	.00	.00	.00
001.080.086.52010	Janitorial Services	57,863.20	45,619.61	58,712.98	.00	.00	.00	.00	.00
	Cleaning Services Totals	\$64,911.25	\$55,942.76	\$80,196.16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Repair and M	Maintenance Services	ψο 1/511125	400/5 1217 0	ψοσ/15σ.15	40.00	40.00	40.00	ψ0.00	40.00
001.080.086.52020	Repairs and Maintenance- Roads	11,500.00	18,967.68	14,500.00	.00	.00	.00	.00	.00
001.080.086.52110	Repairs and Maint- Buildings	141,698.72	88,638.22	212,244.83	.00	.00	.00	.00	.00
001.080.086.52120	Repairs and Maint- Grounds	13,590.40	13,087.12	13,355.69	.00	.00	.00	.00	.00
001.080.086.52160	Repairs and Maint- Equipment	72,060.14	156,434.80	232,100.00	1,844.04	.00	.00	.00	.00
	Repair and Maintenance Services Totals	\$238,849.26	\$277,127.82	\$472,200.52	\$1,844.04	\$0.00	\$0.00	\$0.00	\$0.00
Rentals	.,	,,	, ,	, , , , , , , , , , , , , , , , , , , ,	. , ,	, , , ,	1		, , ,
001.080.086.52220	Equipment Lease	187.04	.00	433.44	.00	.00	.00	.00	.00
	Rentals Totals	\$187.04	\$0.00	\$433.44	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Purchased Property Services Totals	\$310,252.55	\$339,375.58	\$558,650.12	\$1,844.04	\$0.00	\$0.00	\$0.00	\$0.00
	Contractual Services Totals	\$310,252.55	\$339,375.58	\$558,650.12	\$1,844.04	\$0.00	\$0.00	\$0.00	\$0.00
Commodities									
General Supplie		207.10	175.00	100.00	00	00	00	.00	00
001.080.086.60010	Operating Supplies	397.10	175.02	100.00	.00	.00	.00		.00
001.080.086.60100	Utilities- Water	77,310.85	84,283.44	82,013.96	.00	.00	.00	.00	.00
001.080.086.60160	Cleaning Supplies	19,493.12	18,448.25	18,196.40	.00	.00	.00	.00	.00



G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund <b>001 - Genera</b>		Amount	Amount	Amount	Amount	Dudget	Duaget	Review Budget	Zilu dilu 13t NCV
EXPENSE									
Department 08	0 - Building Management								
Sub-Departmer	nt 086 - Building Mgmt- Sheriff Facility								
Commodities									
General Supplie									
001.080.086.60210	Uniform Supplies	457.86	183.20	.00	4,496.61	.00	.00	.00	.00
001.080.086.60265	Public Health Commodities - Coronavirus	.00	.00	.00	.00	.00	.00	.00	.00
Budge	et Transactions								
Lev	rel Transaction					Number of Units	Cost Per Unit	Total Amount	
Sec	ond Review Budget Covid-19 Supplies hand	d sanitizer station etc				1.0000	3,000.00	3,000.00	
Sec	ond Review Budget Remove in anticipation	of reimbursement				(1.0000)	3,000.00	(3,000.00)	
						Second Re	view Budget Totals	\$0.00	
	General Supplies Totals	\$97,658.93	\$103,089.91	\$100,310.36	\$4,496.61	\$0.00	\$0.00	\$0.00	\$0.00
Energy									
Natural Gas									
001.080.086.63000	Utilities- Natural Gas	36,855.39	32,451.10	41,223.03	.00	.00	.00	.00	.00
	Natural Gas Totals	\$36,855.39	\$32,451.10	\$41,223.03	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Electricity									
001.080.086.63010	Utilities- Electric	310,220.39	361,426.53	262,359.10	.00	.00	.00	.00	.00
	Electricity Totals	\$310,220.39	\$361,426.53	\$262,359.10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other									
001.080.086.60090	Utilities- Sewer	103,303.03	108,422.73	93,015.18	.00	.00	.00	.00	.00.
	Other Totals	\$103,303.03	\$108,422.73	\$93,015.18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Energy Totals	\$450,378.81	\$502,300.36	\$396,597.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Commodities Totals	\$548,037.74	\$605,390.27	\$496,907.67	\$4,496.61	\$0.00	\$0.00	\$0.00	\$0.00
	partment 086 - Building Mgmt- Sheriff Facility Totals	\$1,158,360.93	\$1,272,796.72	\$1,207,009.15	\$7,583.64	\$28,682.00	\$26,722.00	\$8,024.00	(\$18,698.00)
Sub-Departmer Contractual Servi	nt 088 - Bldg Mgmt- ROE Office & Suppliences	es							
Purchased Prop									
,	Maintenance Services								
001.080.088.52110	Repairs and Maint- Buildings	.00	.00	.00	13,685.68	.00	.00	.00	.00
	Repair and Maintenance Services Totals	\$0.00	\$0.00	\$0.00	\$13,685.68	\$0.00	\$0.00	\$0.00	\$0.00



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G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund <b>001 - Genera</b>		Amount	Amount	Amount	Amount	buuget	buuget	Review Budget	Ziiu diiu 1st Kev
EXPENSE									
	0 - Building Management								
·	nt 088 - Bldg Mgmt- ROE Office & Supplie	s							
Contractual Servi	ces								
Purchased Prop	perty Services								
Rentals									
001.080.088.52210	Building Lease	130,000.00	130,000.00	129,769.21	118,960.16	130,000.00	130,000.00	130,000.00	.00
Budge	et Transactions								
Lev						Number of Units	Cost Per Unit	Total Amount	
Sec	ond Review Budget ROE RENTAL PAYMENTS	S				1.0000	130,000.00	130,000.00	
						Second Re	eview Budget Totals	\$130,000.00	
	Rentals Totals	\$130,000.00	\$130,000.00	\$129,769.21	\$118,960.16	\$130,000.00	\$130,000.00	\$130,000.00	\$0.00
	Purchased Property Services Totals	\$130,000.00	\$130,000.00	\$129,769.21	\$132,645.84	\$130,000.00	\$130,000.00	\$130,000.00	\$0.00
	Contractual Services Totals	\$130,000.00	\$130,000.00	\$129,769.21	\$132,645.84	\$130,000.00	\$130,000.00	\$130,000.00	\$0.00
Commodities									
Energy									
Electricity									
001.080.088.63010	Utilities- Electric	.00	.00	230.79	.00	.00	.00	.00	.00
	Electricity Totals	\$0.00	\$0.00	\$230.79	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Energy Totals	\$0.00	\$0.00	\$230.79	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Commodities Totals	\$0.00	\$0.00	\$230.79	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Sub-Depar	tment 088 - Bldg Mgmt- ROE Office & Supplies Totals	\$130,000.00	\$130,000.00	\$130,000.00	\$132,645.84	\$130,000.00	\$130,000.00	\$130,000.00	\$0.00
Sub-Departmer Contractual Service	nt 089 - Bldg Mgmt - Multi-Use Facility ces								
Purchased Prof	fessional and Technical Services								
Professional									
001.080.089.50150	Contractual/Consulting Services	.00	1,690.00	.00	.00	.00	.00	.00	.00
	Professional Totals	\$0.00	\$1,690.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	ed Professional and Technical Services Totals	\$0.00	\$1,690.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Purchased Prop Cleaning Ser	•								
001.080.089.52000	Disposal and Water Softener Srvs	.00	1,609.20	2,060.94	.00	.00	.00	.00	.00
001.080.089.52010	Janitorial Services	.00	37,200.00	44,209.50	.00	.00	.00	.00	.00
	Cleaning Services Totals	\$0.00	\$38,809.20	\$46,270.44	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Repair and M	Maintenance Services	40.00	7,005.20	Ţ <b>/=</b> / <b>U</b>	40.00	43.30	40.00	40.30	45.00
001.080.089.52020	Repairs and Maintenance- Roads	.00	3,705.00	11,093.03	.00	.00	.00	.00	.00
001.080.089.52110	Repairs and Maint- Buildings	.00	20,777.48	77,255.49	(101.12)	.00	.00	.00	.00
	Repairs and Plaint Dullulings	.00	۷۰,///.۳۵	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(101.12)	.00	.00	.00	



C/I Assemb	Assessed Base 199	-	2020 Actual	2021 Actual	2022 Actual	2023 Actual	2024 Submitted	2024 First Review	2024 Second	Change between
G/L Account Fund 001 - Genera	Account Description	on	Amount	Amount	Amount	Amount	Budget	Budget	Review Budget	2nd and 1st Re
EXPENSE	n runa									
	80 - Building Manag	ement								
•		t - Multi-Use Facility								
Contractual Servi		ic riaiti osci adiney								
Purchased Prop	perty Services									
Repair and M	Maintenance Services									
001.080.089.52120	Repairs and Maint	- Grounds	.00	20,400.00	15,480.00	.00	.00	.00	.00	.0
001.080.089.52160	Repairs and Maint	- Equipment	.00	8,788.28	38,462.42	22,892.68	.00	.00	.00	.0
	Repair and Maint	enance Services Totals	\$0.00	\$53,670.76	\$142,290.94	\$22,791.56	\$0.00	\$0.00	\$0.00	\$0.0
	Purchased P.	roperty Services Totals	\$0.00	\$92,479.96	\$188,561.38	\$22,791.56	\$0.00	\$0.00	\$0.00	\$0.0
	Cont	tractual Services Totals	\$0.00	\$94,169.96	\$188,561.38	\$22,791.56	\$0.00	\$0.00	\$0.00	\$0.0
Commodities										
General Supplie										
001.080.089.60010	Operating Supplies	5	.00	737.13	530.29	.00	.00	.00	.00	.0
001.080.089.60100	Utilities- Water		.00	624.16	1,335.38	.00	.00	.00	.00	.0
001.080.089.60160	Cleaning Supplies		.00	4,197.06	2,130.42	.00	.00	.00	.00	.0
001.080.089.60265	Public Health Com	modities - Coronavirus	.00	.00	.00	.00	.00	.00	.00	.0
Rudge	et Transactions									
Lev		Transaction					Number of Units	Cost Per Unit	Total Amount	
Sec	cond Review Budget	Covid-19 supplies					1.0000	4,000.00	4,000.00	
Sec	cond Review Budget	Remove in anticipation of	of reimbursement				(1.0000)	4,000.00	(4,000.00)	
							Second Re	view Budget Totals	\$0.00	
	(	General Supplies Totals	\$0.00	\$5,558.35	\$3,996.09	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0
Energy			•			·	·	·	·	•
Natural Gas										
001.080.089.63000	Utilities- Natural G	as	.00	17,016.51	13,355.62	.00	.00	.00	.00	.0
		Natural Gas Totals	\$0.00	\$17,016.51	\$13,355.62	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0
Electricity										
001.080.089.63010	Utilities- Electric		.00	39,027.29	49,306.51	.00	.00	.00	.00	.0
		Electricity Totals	\$0.00	\$39,027.29	\$49,306.51	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0
Other										
001.080.089.60090	Utilities- Sewer		.00	381.20	807.69	.00	.00	.00	.00	.0
		Other Totals	\$0.00	\$381.20	\$807.69	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0
		Energy Totals	\$0.00	\$56,425.00	\$63,469.82	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0
			±0.00	\$61,983.35	\$67,465.91	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0
		Commodities Totals	\$0.00	\$01,905.55					<u> </u>	
Sub-De	epartment 089 - Blo	Ig Mgmt - Multi-Use Facility Totals	\$0.00	\$156,153.31	\$256,027.29	\$22,791.56	\$0.00	\$0.00	\$0.00	\$0.0



G/L Account	Δ	ccount D	Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
	- General Fu		resemption	ranodite	Autodite	Antoune	Amount	Daaget	Daaget	Review Budget	Zila alla 15t Kev
EXPENSE											
	Department	080 -	Building Management Totals	\$4,672,802.30	\$5,003,744.27	\$5,552,934.81	\$5,154,418.14	\$8,472,582.00	\$8,719,993.00	\$8,419,966.00	(\$300,027.00)
			EXPENSE TOTALS	\$4,672,802.30	\$5,003,744.27	\$5,552,934.81	\$5,154,418.14	\$8,472,582.00	\$8,719,993.00	\$8,419,966.00	(\$300,027.00)
		Fund	001 - General Fund Totals								
			REVENUE TOTALS	\$44,983.01	\$39,334.83	\$39,922.92	\$22,895.19	\$50,659.00	\$50,659.00	\$50,659.00	\$0.00
			EXPENSE TOTALS	\$4,672,802.30	\$5,003,744.27	\$5,552,934.81	\$5,154,418.14	\$8,472,582.00	\$8,719,993.00	\$8,419,966.00	(\$300,027.00)
		Fund	001 - General Fund Totals	(\$4,627,819.29)	(\$4,964,409.44)	(\$5,513,011.89)	(\$5,131,522.95)	(\$8,421,923.00)	(\$8,669,334.00)	(\$8,369,307.00)	\$300,027.00
			Net Grand Totals								
			REVENUE GRAND TOTALS	\$44,983.01	\$39,334.83	\$39,922.92	\$22,895.19	\$50,659.00	\$50,659.00	\$50,659.00	\$0.00
			EXPENSE GRAND TOTALS	\$4,672,802.30	\$5,003,744.27	\$5,552,934.81	\$5,154,418.14	\$8,472,582.00	\$8,719,993.00	\$8,419,966.00	(\$300,027.00)
			Net Grand Totals	(\$4,627,819.29)	(\$4,964,409.44)	(\$5,513,011.89)	(\$5,131,522.95)	(\$8,421,923.00)	(\$8,669,334.00)	(\$8,369,307.00)	\$300,027.00



Budget Year 2024

		2022 Actual	2023 Actual	2024 Submitted	2024 First Review	Change btw First	2024 Second	Change btw Second and First	
G/L Account	Account Description	Amount	Amount	Budget	Budget	and Submitted	Review Budget	Rev	
Fund <b>001 - Genera</b> REVENUE	ll Fund								
	0 - Information Technologies								
·	nt 000 - Revenues								
Charges for Servi	ices								
001.060.000.34020	Computer Services Fees	262,467.30	142,716.56	75,248.00	75,248.00	.00	75,248.00	.00	
	Charges for Services Totals	\$262,467.30	\$142,716.56	\$75,248.00	\$75,248.00	\$0.00	\$75,248.00	\$0.00	
Other	Missallan and Other	00 200 22	104 545 43	264 264 00	264 261 00	00	124 002 00	(120, 260, 00)	
001.060.000.38900	Miscellaneous Other	98,380.32	104,545.42	264,361.00	264,361.00	.00	134,093.00	(130,268.00)	
Transfers In	Other Totals	\$98,380.32	\$104,545.42	\$264,361.00	\$264,361.00	\$0.00	\$134,093.00	(\$130,268.00)	
001.060.000.39001	Transfer from Fund 001	.00	17,478.00	17,478.00	17,478.00	.00	17,478.00	.00	
001.060.000.39010	Transfer from Fund 010	3,575.00	4,078.00	4,078.00	4,078.00	.00	3,981.00	(97.00)	
001.060.000.39101	Transfer from Fund 101	31,282.00	33,616.00	33,616.00	33,616.00	.00	34,585.00	969.00	
001.060.000.39120	Transfer from Fund 120	2,689.00	1,309.36	2,622.00	2,622.00	.00	2,228.00	(394.00)	
001.060.000.39127	Transfer from Fund 127	25,000.00	35,196.00	35,196.00	35,196.00	.00	38,370.00	3,174.00	
001.060.000.39150	Transfer from Fund 150	.00	4,370.00	4,370.00	4,370.00	.00	2,971.00	(1,399.00)	
001.060.000.39160	Transfer from Fund 160	1,955.00	1,515.00	1,515.00	1,515.00	.00	594.00	(921.00)	
001.060.000.39197	Transfer from Fund 197	.00	2,913.00	2,913.00	2,913.00	.00	2,913.00	.00	
001.060.000.39200	Transfer from Fund 200	25,137.00	.00	23,304.00	23,304.00	.00	23,770.00	466.00	
001.060.000.39201	Transfer from Fund 201	36,309.00	.00	37,869.00	37,869.00	.00	11,885.00	(25,984.00)	
001.060.000.39202	Transfer from Fund 202	11,172.00	.00	11,652.00	11,652.00	.00	5,942.00	(5,710.00)	
001.060.000.39203	Transfer from Fund 203	13,965.00	.00	14,565.00	14,565.00	.00	8,914.00	(5,651.00)	
001.060.000.39204	Transfer from Fund 204	8,379.00	.00	8,739.00	8,739.00	.00	5,942.00	(2,797.00)	
001.060.000.39250	Transfer from Fund 250	5,585.00	5,826.00	5,826.00	5,826.00	.00	2,971.00	(2,855.00)	
001.060.000.39269	Transfer from Fund 269	108,445.00	110,973.00	110,973.00	110,973.00	.00	115,166.00	4,193.00	
001.060.000.39290	Transfer from Fund 290	30,719.00	.00	37,869.00	37,869.00	.00	38,626.00	757.00	
001.060.000.39300	Transfer from Fund 300	172,588.00	184,111.00	184,111.00	184,111.00	.00	183,293.00	(818.00)	
001.060.000.39302	Transfer from Fund 302	92,169.00	104,868.00	104,868.00	104,868.00	.00	109,934.00	5,066.00	
001.060.000.39350	Transfer from Fund 350	175,936.00	180,606.00	180,606.00	180,606.00	.00	191,345.00	10,739.00	
001.060.000.39351	Transfer from Fund 351	13,963.00	17,478.00	17,478.00	17,478.00	.00	18,124.00	646.00	
001.060.000.39355	Transfer from Fund 355	.00	5,826.00	5,826.00	5,826.00	.00	5,942.00	116.00	
001.060.000.39380	Transfer from Fund 380	.00	12,368.00	12,368.00	12,368.00	.00	.00	(12,368.00)	
001.060.000.39400	Transfer from Fund 400	.00	4,370.00	4,370.00	4,370.00	.00	2,228.00	(2,142.00)	
001.060.000.39401	Transfer from Fund 401	6,721.00	3,341.71	2,330.00	2,330.00	.00	7,279.00	4,949.00	

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		2022 Actual	2023 Actual	2024 Submitted	2024 First Review	Change btw First	2024 Second	Change btw Second and First	
G/L Account	Account Description	Amount	Amount	Budget	Budget	and Submitted	Review Budget	Rev	
Fund <b>001 - Genera</b> REVENUE	I Fund								
	0 - Information Technologies								
•	t 000 - Revenues								
001.060.000.39402	Transfer from Fund 402	2,390.00	1,954.26	2,622.00	2,622.00	.00	2,823.00	201.00	
001.060.000.39404	Transfer from Fund 404	2,688.00	2,306.02	2,622.00	2,622.00	.00	4,902.00	2,280.00	
001.060.000.39406	Transfer from Fund 406	.00	.00	146.00	146.00	.00	.00	(146.00)	
001.060.000.39409	Transfer from Fund 409	1,344.00	1,074.87	1,311.00	1,311.00	.00	1,634.00	323.00	
001.060.000.39410	Transfer from Fund 410	3,137.00	1,035.77	3,059.00	3,059.00	.00	4,011.00	952.00	
001.060.000.39412	Transfer from Fund 412	.00	1,016.21	.00	.00	.00	2,971.00	2,971.00	
001.060.000.39413	Transfer from Fund 413	.00	175.88	.00	.00	.00	1,188.00	1,188.00	
001.060.000.39414	Transfer from Fund 414	.00	703.51	.00	.00	.00	5,051.00	5,051.00	
001.060.000.39415	Transfer from Fund 415	8,962.00	2,716.41	8,739.00	8,739.00	.00	.00	(8,739.00)	
001.060.000.39420	Transfer from Fund 420	279.00	262.00	262.00	262.00	.00	267.00	5.00	
001.060.000.39430	Transfer from Fund 430	1,396.00	3,641.00	3,641.00	3,641.00	.00	2,228.00	(1,413.00)	
001.060.000.39520	Transfer from Fund 520	3,351.00	23,496.00	23,496.00	23,496.00	.00	23,090.00	(406.00)	
001.060.000.39650	Transfer from Fund 650	1,788.00	1,864.00	1,864.00	1,864.00	.00	1,010.00	(854.00)	
	Transfers In Totals	\$790,924.00	\$770,489.00	\$912,304.00	\$912,304.00	\$0.00	\$883,656.00	(\$28,648.00)	
	Sub-Department <b>000 - Revenues</b> Totals	\$1,151,771.62	\$1,017,750.98	\$1,251,913.00	\$1,251,913.00	\$0.00	\$1,092,997.00	(\$158,916.00)	
Department	060 - Information Technologies Totals	\$1,151,771.62	\$1,017,750.98	\$1,251,913.00	\$1,251,913.00	\$0.00	\$1,092,997.00	(\$158,916.00)	
	REVENUE TOTALS	\$1,151,771.62	\$1,017,750.98	\$1,251,913.00	\$1,251,913.00	\$0.00	\$1,092,997.00	(\$158,916.00)	
EXPENSE									
•	0 - Information Technologies t 060 - Information Technologies								
	s- Salaries & Wages								
Regular Employ	vees								
001.060.060.40000	Salaries and Wages	2,945,311.38	2,140,084.80	2,853,336.00	3,018,137.00	164,801.00	3,018,137.00	.00	
001.060.060.40009	Salaries and Wages Subsidy	(83,000.76)	.00	.00	.00	.00	.00	.00	
	Regular Employees Totals	\$2,862,310.62	\$2,140,084.80	\$2,853,336.00	\$3,018,137.00	\$164,801.00	\$3,018,137.00	\$0.00	
Overtime Saları		27 265 74	20 272 24	F0 1F0 00	FO 1FC 00	00	E0 1E0 00	00	
001.060.060.40200	Overtime Salaries	37,265.71	29,272.21	50,150.00	50,150.00	.00	50,150.00	.00	
Other	Overtime Salaries Totals	\$37,265.71	\$29,272.21	\$50,150.00	\$50,150.00	\$0.00	\$50,150.00	\$0.00	
001.060.060.40002	Non-Union Wage Increase	.00	.00	98,422.00	.00	(98,422.00)	.00	.00	
	5					· · · · · · · · · · · · · · · · · · ·			



G/L Account	Account Description	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	Change btw First and Submitted	2024 Second Review Budget	Change btw Second and First Rev	
Fund <b>001 - Genera</b>									
EXPENSE									
Department 06	0 - Information Technologies								
	nt <b>060 - Information Technologies</b> es- Salaries & Wages								
Other									
001.060.060.40005	New Position Budget Moved to Contingency	.00	.00	(225,000.00)	.00	225,000.00	.00	.00	
	Other Totals	\$0.00	\$0.00	(\$126,578.00)	\$0.00	\$126,578.00	\$0.00	\$0.00	
	Personnel Services- Salaries & Wages Totals	\$2,899,576.33	\$2,169,357.01	\$2,776,908.00	\$3,068,287.00	\$291,379.00	\$3,068,287.00	\$0.00	
Personnel Service Group Insurand	es- Employee Benefits ce								
001.060.060.45000	Healthcare Contribution	509,801.07	428,085.30	652,081.00	652,081.00	.00	.00	(652,081.00)	
001.060.060.45009	Healthcare Subsidy	(12,586.96)	.00	.00	.00	.00	.00	.00	
001.060.060.45010	Dental Contribution	14,089.23	10,419.67	16,036.00	16,036.00	.00	.00	(16,036.00)	
001.060.060.45019	Dental Subsidy	(324.00)	.00	.00	.00	.00	.00	.00	
	Group Insurance Totals	\$510,979.34	\$438,504.97	\$668,117.00	\$668,117.00	\$0.00	\$0.00	(\$668,117.00)	
F	Personnel Services- Employee Benefits Totals	\$510,979.34	\$438,504.97	\$668,117.00	\$668,117.00	\$0.00	\$0.00	(\$668,117.00)	
Contractual Servi	ces								
Purchased Prof Professional	fessional and Technical Services								
001.060.060.50150	Contractual/Consulting Services	191,551.83	141,518.40	441,284.00	441,284.00	.00	441,284.00	.00	
001.060.060.50235	Public Health Services - Coronavirus	40,590.00	.00	.00	.00	.00	.00	.00	
	Professional Totals	\$232,141.83	\$141,518.40	\$441,284.00	\$441,284.00	\$0.00	\$441,284.00	\$0.00	
Technical									
001.060.060.50340	Software Licensing Cost	.00	75.58	.00	.00	.00	.00	.00	
	Technical Totals	\$0.00	\$75.58	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	ed Professional and Technical Services Totals	\$232,141.83	\$141,593.98	\$441,284.00	\$441,284.00	\$0.00	\$441,284.00	\$0.00	
Purchased Prop									
001.060.060.52130	Maintenance Services  Repairs and Maint- Computers	58,170.17	2,436.53	245,601.00	245,601.00	.00	245,601.00	.00	
001.060.060.52140	Repairs and Maint- Conjucts  Repairs and Maint- Copiers	.00	.00	7,500.00	7,500.00	.00	7,500.00	.00	
001.060.060.52150	Repairs and Maint- Comm Equip	119,590.79	28,549.81	110,004.00	110,004.00	.00	110,004.00	.00	
001.060.060.52230	Repairs and Maint- Vehicles	1,552.96	56.73	4,000.00	4,000.00	.00	4,000.00	.00	
001.000.000.32230	·	•	\$31,043.07	\$367,105.00	\$367,105.00		\$367,105.00		
	Repair and Maintenance Services Totals  Purchased Property Services Totals	\$179,313.92 \$179,313.92	\$31,043.07 \$31,043.07	\$367,105.00	\$367,105.00 \$367,105.00	\$0.00 \$0.00	\$367,105.00	\$0.00 \$0.00	
	ruicilaseu riopeity services roldis	φ1/3,313.32	φυ1,040.07	φυυ/,100.00	φου,,τυο.00	φυ.υυ	φου/,105.00	φυ.υυ	



G/L Account	Account Description	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	Change btw First and Submitted	2024 Second Review Budget	Change btw Second and First Rev	
Fund <b>001 - Genera</b>	·	Amount	Amount	buuget	Buuget	and Submitted	Review budget	Rev	
EXPENSE	114114								
	0 - Information Technologies								
Sub-Departmer Contractual Service	nt 060 - Information Technologies								
Other Purchase	ed Services								
Advertising									
001.060.060.53040	General Advertising	.00	4,662.00	1,500.00	1,500.00	.00	1,500.00	.00	
Travel	Advertising Totals	\$0.00	\$4,662.00	\$1,500.00	\$1,500.00	\$0.00	\$1,500.00	\$0.00	
001.060.060.53100	Conferences and Meetings	19,154.59	12,249.64	57,200.00	59,400.00	2,200.00	59,400.00	.00	
001.060.060.53110	Employee Training	9,588.89	1,525.19	41,000.00	41,000.00	.00	41,000.00	.00	
001.060.060.53120	Employee Mileage Expense	1,485.10	290.67	3,000.00	3,000.00	.00	3,000.00	.00	
	Travel Totals	\$30,228.58	\$14,065.50	\$101,200.00	\$103,400.00	\$2,200.00	\$103,400.00	\$0.00	
Other									
001.060.060.53130	General Association Dues	285.00	.00	4,000.00	.00	(4,000.00)	.00	.00	
	Other Totals	\$285.00	\$0.00	\$4,000.00	\$0.00	(\$4,000.00)	\$0.00	\$0.00	
	Other Purchased Services Totals	\$30,513.58	\$18,727.50	\$106,700.00	\$104,900.00	(\$1,800.00)	\$104,900.00	\$0.00	
Common divisor	Contractual Services Totals	\$441,969.33	\$191,364.55	\$915,089.00	\$913,289.00	(\$1,800.00)	\$913,289.00	\$0.00	
Commodities General Supplie	20								
001.060.060.60000	Office Supplies	25,281.53	7,430.54	20,000.00	27,300.00	7,300.00	27,300.00	.00	
001.060.060.60020	Computer Related Supplies	36,771.20	23,311.11	55,450.00	55,450.00	.00	55,450.00	.00	
001.060.060.60050	Books and Subscriptions	329.74	332.60	2,000.00	.00	(2,000.00)	.00	.00	
001.060.060.60110	Printing Supplies	22,497.30	14,859.03	36,000.00	36,000.00	.00	36,000.00	.00	
		•	•	•	•		•		
001.060.060.60265	Public Health Commodities - Coronavirus	2,534.67	4,960.20	.00	.00	.00	.00	.00	
Energy Gasoline	General Supplies Totals	\$87,414.44	\$50,893.48	\$113,450.00	\$118,750.00	\$5,300.00	\$118,750.00	\$0.00	
001.060.060.63040	Fuel- Vehicles	2,692.28	1,708.34	5,000.00	4,000.00	(1,000.00)	4,000.00	.00	
	Gasoline Totals	\$2,692.28	\$1,708.34	\$5,000.00	\$4,000.00	(\$1,000.00)	\$4,000.00	\$0.00	
	Energy Totals	\$2,692.28	\$1,708.34	\$5,000.00	\$4,000.00	(\$1,000.00)	\$4,000.00	\$0.00	
Other	27					, ,		·	
001.060.060.60570	Office Furniture - Non-Capital	1,806.23	.00	2,500.00	.00	(2,500.00)	.00	.00	
	Other Totals	\$1,806.23	\$0.00	\$2,500.00	\$0.00	(\$2,500.00)	\$0.00	\$0.00	
	Commodities Totals	\$91,912.95	\$52,601.82	\$120,950.00	\$122,750.00	\$1,800.00	\$122,750.00	\$0.00	
Sub-Depart	ment <b>060 - Information Technologies</b> Totals	\$3,944,437.95	\$2,851,828.35	\$4,481,064.00	\$4,772,443.00	\$291,379.00	\$4,104,326.00	(\$668,117.00)	



Budget Year 2024

Change btw

G/L Account	Account Description	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	Change btw First and Submitted	2024 Second Review Budget	Second and First Rev	
Fund <b>001 - Genera</b>	l Fund								
EXPENSE	_								
Department	060 - Information Technologies Totals	\$3,944,437.95	\$2,851,828.35	\$4,481,064.00	\$4,772,443.00	\$291,379.00	\$4,104,326.00	(\$668,117.00)	
	EXPENSE TOTALS	\$3,944,437.95	\$2,851,828.35	\$4,481,064.00	\$4,772,443.00	\$291,379.00	\$4,104,326.00	(\$668,117.00)	
	Fund <b>001 - General Fund</b> Totals								
	REVENUE TOTALS	\$1,151,771.62	\$1,017,750.98	\$1,251,913.00	\$1,251,913.00	\$0.00	\$1,092,997.00	(\$158,916.00)	
	EXPENSE TOTALS	\$3,944,437.95	\$2,851,828.35	\$4,481,064.00	\$4,772,443.00	\$291,379.00	\$4,104,326.00	(\$668,117.00)	
	Fund <b>001 - General Fund</b> Totals	(\$2,792,666.33)	(\$1,834,077.37)	(\$3,229,151.00)	(\$3,520,530.00)	(\$291,379.00)	(\$3,011,329.00)	\$509,201.00	
	Net Grand Totals								
	REVENUE GRAND TOTALS	\$1,151,771.62	\$1,017,750.98	\$1,251,913.00	\$1,251,913.00	\$0.00	\$1,092,997.00	(\$158,916.00)	
	EXPENSE GRAND TOTALS	\$3,944,437.95	\$2,851,828.35	\$4,481,064.00	\$4,772,443.00	\$291,379.00	\$4,104,326.00	(\$668,117.00)	
	Net Grand Totals	(\$2,792,666.33)	(\$1,834,077.37)	(\$3,229,151.00)	(\$3,520,530.00)	(\$291,379.00)	(\$3,011,329.00)	\$509,201.00	



#### **FY24 First Level Budget Detail - IT General Fund**

A PARAMA									
C/I A			2020 Actual	2021 Actual	2022 Actual	2023 Actual	2024 Submitted	2024 First Review	FY24 FRL less FY24
G/L Account	Account Description		Amount	Amount	Amount	Amount	Budget	Budget	Submitted
Fund 001 - Gener	ai rund								
REVENUE									
	60 - Information Tech	nologies							
	ent 000 - Revenues		125 024 52	202 706 02	262 467 20	142 716 56	75 240 00	75 240 00	00
001.060.000.34020	Computer Services I	rees	125,934.53	203,706.82	262,467.30	142,716.56	75,248.00	75,248.00	.00
Budg	et Transactions								
Le	evel	Transaction					Number of Units	Cost Per Unit	Total Amount
Fir	st Review Budget	CASA - Phones					1.0000	6,288.00	6,288.00
Fir	st Review Budget	Child Advocacy Center Pho	ones				1.0000	6,204.00	6,204.00
Fir	st Review Budget	City of Geneva Finance Se	rver Lease				1.0000	13,140.00	13,140.00
	st Review Budget	Cityof Geneva Internet					1.0000	6,960.00	6,960.00
	st Review Budget	Geneva Township Phones	& Internet				1.0000	4,392.00	4,392.00
	st Review Budget	Geneva Township- ISI Agr					1.0000	1,200.00	1,200.00
	st Review Budget	Kaneland SD Lease					1.0000	2,912.00	2,912.00
	st Review Budget	NIU - ECC					1.0000	1,800.00	1,800.00
	st Review Budget	NIU - ICN Consortium- Cer	ntral CUSD 301 Prairie	Knolls			1.0000	1,560.60	1,561.00
	st Review Budget	NIU - ICN Consortium- Kai					1.0000	1,360.80	1,361.00
	st Review Budget	NIU - Judson University In		ore Elementary Series.			1.0000	3,600.00	3,600.00
	st Review Budget	NIU - McHenry BGP Service					1.0000	225.00	225.00
	st Review Budget	NIU - McHenry County ETS					1.0000	297.00	297.00
	st Review Budget	NIU - McHenry County NIU					1.0000	1,980.00	1,980.00
	st Review Budget	NIU - St. Charles School D					1.0000	3,600.00	3,600.00
	st Review Budget	NIU - Woodstock City	isti icc				1.0000	495.00	495.00
	st Review Budget	NIU - Woodstock Public Lil	hran				1.0000	396.00	396.00
	st Review Budget	NIU- Elgin City	bialy				1.0000	450.00	450.00
	-	NIU- Geneva Public Library	,,				1.0000	675.00	675.00
	st Review Budget st Review Budget	Onlight Aurora - Fiber Leas	•				1.0000	4,356.00	4,356.00
	_	-					1.0000		2,160.00
	st Review Budget	Property Insight Blacknigh	ı				1.0000	2,160.00	•
	st Review Budget	Tri-Comm Phones						3,480.00	3,480.00
FIF	st Review Budget	ZAYO					1.0000	7,716.00	7,716.00
							FIRST RE	view Budget Totals	\$75,248.00
001.060.000.38900	Miscellaneous Other		124,770.26	143,335.28	98,380.32	104,545.42	264,361.00	264,361.00	.00
Budg	et Transactions								
Le	evel	Transaction					Number of Units	Cost Per Unit	Total Amount
Fir	st Review Budget	* Forest Preserve - New W	Vorld Maintenance				1.0000	11,504.00	11,504.00
Fir	st Review Budget	*Forest Preserve - ITD Te	ch Support				76.0000	2,793.00	212,268.00
Fir	st Review Budget	*Forest Preserve - MS EA					85.0000	177.00	15,045.00
Fir	st Review Budget	*Forest Preserve - MTS De	esk Phones				1.0000	12,276.00	12,276.00



#### FY24 First Level Budget Detail - IT General Fund

Budget Year 2024

2020 Actual 2021 Actual 2022 Actual 2023 Actual 2023 Actual 2024 Submitted 2024 First Review FY24 FRL less FY24

G/L Account Description Amount Amount Amount Amount Budget Budget Submitted

Fund 001 - General Fund

**REVENUE** 

Department 060 - Information Technologies

Sub-Department 000 - Revenues

1.0000 13,268.00 13,268.00 First Review Budget \*Forest Preserve - PC Replacement First Review Budget Totals \$264,361.00 767,608.00 .00 .00 .00 .00 .00 001.060.000.39000 Transfer From Other Funds 767,608.00

Budget Transactions				
Level	Transaction	Number of Units	Cost Per Unit	Total Amount
First Review Budget	FSD Change - 7/21/2022 - remove - CO from FY22	1.0000	(790,924.00)	(790,924.00)
First Review Budget	Fund 127 - ITD Support	1.0000	25,000.00	25,000.00
First Review Budget	ITD Tech Support TX - Animal Control RES20-428 11 FTE	1.0000	30,719.00	30,719.00
First Review Budget	ITD Tech Support TX - CDBG (OCR)) RES20-428	1.0000	6,721.00	6,721.00
First Review Budget	ITD Tech Support TX - CIC Admin RES20-428	1.0000	13,965.00	13,965.00
First Review Budget	ITD Tech Support TX - CIC Child Support Fund RES20-428	1.0000	11,172.00	11,172.00
First Review Budget	ITD Tech Support TX - CIC Court Automation RES20-428	1.0000	25,137.00	25,137.00
First Review Budget	ITD Tech Support TX - CIC Court Doc Storage RES20-428	1.0000	36,309.00	36,309.00
First Review Budget	ITD Tech Support TX - CIC E-Citation RES20-428	1.0000	8,379.00	8,379.00
First Review Budget	ITD Tech Support TX - CONT OF CARE (OCR) RES20-428	1.0000	1,344.00	1,344.00
First Review Budget	ITD Tech Support TX - Elgin CDBG (OCR) RES20-428	1.0000	3,137.00	3,137.00
First Review Budget	ITD Tech Support TX - Enterprise Surcharge RES20-428	1.0000	1,788.00	1,788.00
First Review Budget	ITD Tech Support TX - Farmland Preservation RES20-428	1.0000	1,396.00	1,396.00
First Review Budget	ITD Tech Support TX - GIS RES20-428	1.0000	31,282.00	31,282.00
First Review Budget	ITD Tech Support TX - Grand Victoria Casino RES 20-428	1.0000	2,689.00	2,689.00
First Review Budget	ITD Tech Support TX - Health DEPT RES20-428	1.0000	22,321.00	22,321.00
First Review Budget	ITD Tech Support TX - Health DEPT RES20-428	1.0000	53,067.00	53,067.00
First Review Budget	ITD Tech Support TX - Health DEPT RES20-428	1.0000	53,067.00	53,067.00
First Review Budget	ITD Tech Support TX - Health DEPT RES20-428	1.0000	47,481.00	47,481.00
First Review Budget	ITD Tech Support TX - HMIS (OCR) RES20-428	1.0000	2,688.00	2,688.00
First Review Budget	ITD Tech Support TX - HOME (OCR) RES20-428	1.0000	2,390.00	2,390.00
First Review Budget	ITD Tech Support TX - INS LIAB HR RES20-428	1.0000	3,575.00	3,575.00
First Review Budget	ITD Tech Support TX - KaneComm RES20-428	1.0000	58,645.00	58,645.00
First Review Budget	ITD Tech Support TX - KCHD Kane Kares RES20-428	1.0000	13,963.00	13,963.00
First Review Budget	ITD Tech Support TX - KDOT CO HWY RES20-428	1.0000	97,755.00	97,755.00
First Review Budget	ITD Tech Support TX - Law Library RES20-428	1.0000	5,585.00	5,585.00
First Review Budget	ITD Tech Support TX - Mill Creek SSA RES20-428	1.0000	3,351.00	3,351.00
First Review Budget	ITD Tech Support TX - Stormwater Management (ENV) RES20-428	1.0000	279.00	279.00
First Review Budget	ITD Tech Support TX - Vital Records Automation RES20-428	1.0000	1,955.00	1,955.00



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C# A			20 Actual	2021 Actual	2022 Actual	2023 Actual	2024 Submitted	2024 First Review	FY24 FRL less FY24
G/L Account Fund <b>001 - Gen</b>	Account Descriptio	1	Amount	Amount	Amount	Amount	Budget	Budget	Submitte
	ierai rung								
REVENUE	OCO Information Too	handaniaa							
	060 - Information Tec	nnologies							
	ment 000 - Revenues First Review Budget	ITD Tech Support TX- Emergence	ry Solutions Gr	ant (OCP) PFS20-428			1.0000	8,962.00	8,962.00
	First Review Budget	ITD Tech Support TX- KDOT MF	•	ant (OCK) KL320-420			1.0000	92,169.00	92,169.00
	First Review Budget	KaneComm Fiber Network Supp					1.0000	49,800.00	49,800.00
	First Review Budget	KDOT - Personnel Lebo	ort				1.0000	74,833.00	74,833.00
	First Review Budget	TX from 200 - Circuit Clerk					1.0000	299,000.00	299,000.00
	_		wod until annu	aved by CIC			1.0000	(299,000.00)	(299,000.00)
	First Review Budget	TX from 200 - Circuit Clerk remo	очей ини аррг	oved by CIC				· · · · · · · · · · · · · · · ·	
								view Budget Totals	\$0.00
01.060.000.39001	1 Transfer from Fund	1 001	.00	.00	.00	17,478.00	17,478.00	17,478.00	.0
Ri	ıdget Transactions								
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount
	First Review Budget	IT Tech Support CLEPD 2@\$2,9	13.00				1.0000	5,826.00	5,826.00
	First Review Budget	IT Tech Support COSSAP 4@\$2,					1.0000	11,652.00	11,652.00
	This review budget	11 real support cossal heat,	.515.00					view Budget Totals	\$17,478.00
					<u> </u>				
01.060.000.39010	Transfer from Fund	1 010	.00	.00	3,575.00	4,078.00	4,078.00	4,078.00	.0
Bu	idget Transactions								
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount
1	First Review Budget	Insurance Liability 1.4@2913					1.0000	4,078.00	4,078.00
							First Re	view Budget Totals	\$4,078.00
01.060.000.39101	1 Transfer from Fund	1 101	.00	.00	31,282.00	33,616.00	33,616.00	33,616.00	.0
Bu	ıdget Transactions								
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount
	First Review Budget	GIS IT Tech Support 11@2913					1.0000	33,616.00	33,616.00
								view Budget Totals	\$33,616.00
 001.060.000.39120	Transfer from Fund	i 120	.00	.00	2,689.00	1,309.36	2,622.00	2,622.00	.0
5	1.47				•	•	,	,	
	udget Transactions  Level	Transaction					Number of Units	Cost Per Unit	Total Amount
		Transaction					Number of Units		Total Amount
	First Review Budget	Grand Victoria Casino Tech Supp	oort .9 @ 2913				1.0000	2,622.00	2,622.00
							First Re	view Budget Totals	\$2,622.00
001.060.000.39127	7 Transfer from Fund	l 127	.00	.00	25,000.00	35,196.00	35,196.00	35,196.00	.0
,01.000.000.001.									
	idget Transactions								
Bu	idget Transactions <i>Level</i>	Transaction					Number of Units	Cost Per Unit	Total Amount



G/L Account Account Descrip		O Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted
Fund <b>001 - General Fund</b>								
REVENUE								
Department 060 - Information 1	echnologies							
Sub-Department 000 - Revenu	es							
First Review Budget	Transfer from 127					1.0000	25,000.00	25,000.00
						First Re	view Budget Totals	\$35,196.00
001.060.000.39150 Transfer from F	und 150	.00	.00	.00	4,370.00	4,370.00	4,370.00	.00
Budget Transactions								
Level	Transaction					Number of Units	Cost Per Unit	Total Amount
First Review Budget	IT Tech Support 1.5@\$2,913.00					1.0000	4,370.00	4,370.00
						First Re	view Budget Totals	\$4,370.00
001.060.000.39160 Transfer from F	und 160	.00	.00	1,955.00	1,515.00	1,515.00	1,515.00	.00
Budget Transactions								
Level	Transaction					Number of Units	Cost Per Unit	Total Amount
First Review Budget	Vital Records Automation .52@29	013				1,0000	1,515.00	1,515.00
							view Budget Totals	\$1,515.00
001.060.000.39197 Transfer from F	und 197	.00	.00	.00	2,913.00	2,913.00	2,913.00	.00
Budget Transactions								
Level	Transaction					Number of Units	Cost Per Unit	Total Amount
First Review Budget	IT Tech Support 1 @ \$2,913.00					1.0000	2,913.00	2,913.00
. wat notice august	11 100.1 Support 1 @ \$2,515100						view Budget Totals	\$2,913.00
001.060.000.39200 Transfer from F	und 200	.00	.00	25,137.00	.00	23,304.00	23,304.00	.00
Budget Transactions								
Level	Transaction					Number of Units	Cost Per Unit	Total Amount
First Review Budget	Court Automation 8@2913					1.0000	23,304.00	23,304.00
Thouse New Budget	Court / Ideomidation 5 (@2515						view Budget Totals	\$23,304.00
001 060 000 20201	und 201	00	00	26 200 00	00			
001.060.000.39201 Transfer from F	alia 501	.00	.00	36,309.00	.00	37,869.00	37,869.00	.00
Budget Transactions								
Level	Transaction					Number of Units	Cost Per Unit	Total Amount
	0 10 10 100	2				1.0000	37,869.00	37,869.00
First Review Budget	Court Document Storage 13@291	13				1.0000	37,009.00	37,009.00



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G/L Account	Account Descript	2020 A	ctual nount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted
Fund <b>001 - Gene</b> r		IOII AII	lourit	Amount	AIIIOUIIL	Amount	budget	budget	Submitted
REVENUE	ai ruiiu								
	60 - Information T	schnologies							
·	60 - Information Te	-							
Sub-Departme 001.060.000.39202	ent 000 - Revenue Transfer from Fu		.00	.00	11,172.00	.00	11,652.00	11,652.00	.00
01.000.000.39202	Transier from ru	111u 202	.00	.00	11,172.00	.00	11,032.00	11,052.00	.00
Budg	et Transactions								
Le	evel	Transaction					Number of Units	Cost Per Unit	Total Amount
Fir	st Review Budget	Child Support Fund 4@2913					1.0000	11,652.00	11,652.00
							First Re	view Budget Totals	\$11,652.00
001.060.000.39203	Transfer from Fu	and 203	.00	.00	13,965.00	.00	14,565.00	14,565.00	.00
Budo	get Transactions								
_	evel	Transaction					Number of Units	Cost Per Unit	Total Amount
	st Review Budget	Circuit Clerk Administration 5@2913					1.0000	14,565.00	14,565.00
1 "	st Review budget	Circuit Clerk Administration 5@2915						view Budget Totals	\$14,565.00
01.060.000.39204	Transfer from Fu	nd 204	.00	.00	8,379.00	.00	8,739.00	8,739.00	.00
Budg	et Transactions								
Le	evel	Transaction					Number of Units	Cost Per Unit	Total Amount
Fir	st Review Budget	Circuit Clerk Electronic Citation 3@29	913				1.0000	8,739.00	8,739.00
							First Re	view Budget Totals	\$8,739.00
)1.060.000.39250	Transfer from Fu	nd 250	.00	.00	5,585.00	5,826.00	5,826.00	5,826.00	.0
Budo	get Transactions								
	evel	Transaction					Number of Units	Cost Per Unit	Total Amount
	st Review Budget	Law Library 2@2913					1.0000	5,826.00	5,826.00
ГІІ	st Review Budget	Law Library 2@2913						view Budget Totals	\$5,826.00
001.060.000.39269	Transfer from Fu	and 269	.00	.00	108,445.00	110,973.00	110,973.00	110,973.00	.00
Budg	jet Transactions								
Le	evel	Transaction					Number of Units	Cost Per Unit	Total Amount
Fir	st Review Budget	Kane Comm 21@2913 - IT Support					1.0000	61,173.00	61,173.00
	st Review Budget	TX from 269 - KaneComm Fiber Net	work Suppoi	rt			1.0000	49,800.00	49,800.00
							First Re	view Budget Totals	\$110,973.00
 001.060.000.39290	Transfer from Fu	nd 290	.00	.00	30,719.00	.00	37,869.00	37,869.00	.0
D al a	ot Transactions								
	jet Transactions	Transaction					Number of the	Cook Don Hait	Total America
	evel	Transaction					Number of Units	Cost Per Unit	Total Amount
Fir	st Review Budget	Animal Control 13@2913					1.0000	37,869.00	37,869.00
							First Re	view Budget Totals	\$37,869.00



G/L Account Account De	scription	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted
Fund 001 - General Fund	·							
REVENUE								
Department 060 - Informati	on Technologies							
Sub-Department 000 - Rev	-							
001.060.000.39300 Transfer fro		.00	.00	172,588.00	184,111.00	184,111.00	184,111.00	.00
Budget Transactions								
Level	Transaction					Number of Units	Cost Per Unit	Total Amount
First Review Budge		13				1.0000	107,781.00	107,781.00
First Review Budge			cation			1.0000	76,330.00	76,330.00
i iist Keview budgi	t Hansiei Homi Lunu 300	- Ruit Lebo Salary Allo	cation				view Budget Totals	\$184,111.00
	Ford 202			02.160.00	104.000.00			
001.060.000.39302 Transfer fro	m Fund 302	.00	.00	92,169.00	104,868.00	104,868.00	104,868.00	.00
<b>Budget Transactions</b>								
Level	Transaction					Number of Units	Cost Per Unit	Total Amount
First Review Budge	t Motor Fuel Tax 36@291	3				1.0000	104,868.00	104,868.00
						First Re	view Budget Totals	\$104,868.00
01.060.000.39350 Transfer fro	m Fund 350	.00	.00	175,936.00	180,606.00	180,606.00	180,606.00	.00
<b>Budget Transactions</b>								
Level	Transaction					Number of Units	Cost Per Unit	Total Amount
First Review Budge	t County Health 62@2913					1.0000	180,606.00	180,606.00
						First Re	view Budget Totals	\$180,606.00
01.060.000.39351 Transfer fro	m Fund 351	.00	.00	13,963.00	17,478.00	17,478.00	17,478.00	.00
<b>Budget Transactions</b>								
Level	Transaction					Number of Units	Cost Per Unit	Total Amount
First Review Budge	t Kane Kares 6@2913					1.0000	17,478.00	17,478.00
						First Re	view Budget Totals	\$17,478.00
001.060.000.39355 Transfer fro	m Fund 355	.00	.00	.00	5,826.00	5,826.00	5,826.00	.00
<b>Budget Transactions</b>								
Level	Transaction					Number of Units	Cost Per Unit	Total Amount
First Review Budge	t IT Tech Support 2 @ \$2	,913.00				1.0000	5,826.00	5,826.00
5		•				First Re	view Budget Totals	\$5,826.00
		.00	.00	.00	12,368.00	12,368.00	12,368.00	.00.
001.060.000.39380 Transfer fro	m Fund 380							
	m Fund 380							
Budget Transactions						Number of Units	Cost Per Unit	Total Amount
	Transaction	ommission				Number of Units 1.0000	Cost Per Unit 12,368.00	Total Amount 12,368.00



C/I A ===:::::::::::::::::::::::::::::::::	Assemb Descript		020 Actual	2021 Actual	2022 Actual	2023 Actual	2024 Submitted	2024 First Review	FY24 FRL less FY24
G/L Account Fund <b>001 - Ge</b>	Account Descripti	<u>on</u>	Amount	Amount	Amount	Amount	Budget	Budget	Submitte
REVENUE	nierai runu								
	060 - Information Te	chnologies							
	rtment 000 - Revenue	_							
001.060.000.3940			.00	.00	.00	4,370.00	4,370.00	4,370.00	.00
r	Dudget Trenes tiens								
В	Budget Transactions <i>Level</i>	Transaction					Number of Units	Cost Per Unit	Total Amount
	First Review Budget	IT Tech Support 1.5 @ \$2,913.	00				1.0000	4,370.00	4,370.00
	riist keview buuget	11 Tech Support 1.5 @ \$2,915.	.00					view Budget Totals	\$4,370.00
001.060.000.3940	101 Transfer from Fu	nd 401	.00	.00	6,721.00	3,341.71	2,330.00	2,330.00	.00
В	Budget Transactions								
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount
	First Review Budget	CDBG .8@2913					1.0000	2,330.00	2,330.00
							First Re	view Budget Totals	\$2,330.00
001.060.000.3940	102 Transfer from Fu	nd 402	.00	.00	2,390.00	1,954.26	2,622.00	2,622.00	.00
E	Budget Transactions								
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount
	First Review Budget	HOME .9@2913					1.0000	2,622.00	2,622.00
							First Re	view Budget Totals	\$2,622.00
01.060.000.3940	104 Transfer from Fu	nd 404	.00	.00	2,688.00	2,306.02	2,622.00	2,622.00	.0
В	Budget Transactions								
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount
	First Review Budget	Homeless Management .9@29	13				1.0000	2,622.00	2,622.00
							First Re	view Budget Totals	\$2,622.00
 001.060.000.3940	106 Transfer from Fu	nd 406	.00	.00	.00	.00	146.00	146.00	.0
E	Budget Transactions								
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount
	First Review Budget	IT Tech Support .05@ \$2,913.	00				1.0000	146.00	146.00
	_						First Re	eview Budget Totals	\$146.00
		ad 400	.00	.00	1,344.00	1,074.87	1,311.00	1,311.00	.0
 001.060.000.3940	109 Transfer from Fu	iu 409							
		10 409							
001.060.000.3940	109 Transfer from Fur Budget Transactions Level						Number of Units	Cost Per Unit	Total Amount
	Budget Transactions	Transaction  Continuum of Care Planning .4	5@2913				Number of Units 1.0000	Cost Per Unit 1,311.00	<i>Total Amount</i> 1,311.00



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C/I Assessment	Assessment Description		0 Actual	2021 Actual	2022 Actual	2023 Actual	2024 Submitted	2024 First Review	FY24 FRL less FY24
G/L Account Fund <b>001 - Ger</b>	Account Descripti	ion	Amount	Amount	Amount	Amount	Budget	Budget	Submitted
	nerai runu								
REVENUE	060 Information To	schnologies							
	060 - Information Te	_							
001.060.000.3941	tment <b>000 - Revenue</b> LO Transfer from Fu		.00	.00	3,137.00	1,035.77	3,059.00	3,059.00	.00
		110	.00	.00	3/13/100	1,055.77	3,033.00	3,033.00	.00
В	udget Transactions								
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount
	First Review Budget	Elgin CDBG 1.05@2913					1.0000	3,059.00	3,059.00
							First Re	view Budget Totals	\$3,059.00
001.060.000.3941	12 Transfer from Fu	nd 412	.00	.00	.00	1,016.21	.00	.00	.00
001.060.000.3941	13 Transfer from Fu	nd 413	.00	.00	.00	175.88	.00	.00	.00
001.060.000.3941	14 Transfer from Fu	nd 414	.00	.00	.00	703.51	.00	.00	.00
001.060.000.3941	15 Transfer from Fu	nd 415	.00	.00	8,962.00	2,716.41	8,739.00	8,739.00	.00
Bi	udget Transactions								
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount
	First Review Budget	Homeless Prevention Program 3	a2913				1.0000	8,739.00	8,739.00
	occ Baagee		G-10-10					view Budget Totals	\$8,739.00
001.060.000.3942	20 Transfer from Fu	nd 420	.00	.00	279.00	262.00	262.00	262.00	.0
001.000.000.3342	to mansier montriu	11u 420	.00	.00	279.00	202.00	202.00	202.00	.01
В	udget Transactions								
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount
	First Review Budget	Stormwater Management .09@2	913				1.0000	262.00	262.00
_							First Re	view Budget Totals	\$262.00
001.060.000.3943	Transfer from Fu	nd 430	.00	.00	1,396.00	3,641.00	3,641.00	3,641.00	.0
Ri	udget Transactions								
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount
	First Review Budget	Farmland Preservation 1.25@29	13				1,0000	3,641.00	3,641.00
	This review badget	ramilana rreservation 1.23@25						view Budget Totals	\$3,641.00
		- 1 F20	00		2.251.00	22,406,00			
001.060.000.3952	20 Transfer from Fu	NO 520	.00	.00	3,351.00	23,496.00	23,496.00	23,496.00	.0
В	udget Transactions								
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount
	First Review Budget	BLD/ITD Admin Support Services	5				1.0000	20,000.00	20,000.00
	First Review Budget	Mill Creek Special Service Area 1	.2@2913				1.0000	3,496.00	3,496.00
							First Re	view Budget Totals	\$23,496.00



******									
C"			2020 Actual	2021 Actual	2022 Actual	2023 Actual	2024 Submitted	2024 First Review	FY24 FRL less FY24
G/L Account Fund 001 - Ge	Account Descripti	ion	Amount	Amount	Amount	Amount	Budget	Budget	Submitted
	eneral runu								
REVENUE	060 Information To	schmologica							
	060 - Information Te rtment 000 - Revenue	_							
5ub-Depar 396.000.396			.00	.00	1,788.00	1,864.00	1,864.00	1,864.00	.00
		na 030	100	.00	1,700.00	1,00 1100	1,001100	1,001.00	100
В	Budget Transactions								
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount
	First Review Budget	Enterprise Surcharge .6	4@2913				1.0000	1,864.00	1,864.00
							First Re	eview Budget Totals	\$1,864.00
	Sub-Department (	000 - Revenues Totals	\$1,018,312.79	\$1,114,650.10	\$1,151,771.62	\$1,017,750.98	\$1,251,913.00	\$1,251,913.00	\$0.00
Departn	ment 060 - Informatio	n Technologies Totals	\$1,018,312.79	\$1,114,650.10	\$1,151,771.62	\$1,017,750.98	\$1,251,913.00	\$1,251,913.00	\$0.00
		REVENUE TOTALS	\$1,018,312.79	\$1,114,650.10	\$1,151,771.62	\$1,017,750.98	\$1,251,913.00	\$1,251,913.00	\$0.00
EXPENSE									
Department	060 - Information Te	chnologies							
	rtment 060 - Informat	_							
01.060.060.4000	00 Salaries and Wag	es	2,777,867.76	2,799,147.05	2,945,311.38	2,140,084.80	2,853,336.00	3,018,137.00	164,801.00
F	Position Transactions								
	Level	Position			Туре	Code			Total Amount
	First Review Budget	906011001 - Executive	Director IT/Bldg Mgmt		Earnings				97,780.00
	First Review Budget	906011020 - Communic	ations Analyst		Earnings				66,950.00
	First Review Budget	906012001 - Administra	tion Director		Earnings				87,551.00
	First Review Budget	906012002 - Application	ns Director		Earnings				130,067.00
	First Review Budget	906012003 - Chief Info	Security Officer		Earnings				120,019.00
	First Review Budget	906012004 - Network S	ervices Director		Earnings				126,894.00
	First Review Budget	906012009 - Computer	Services Manager		Earnings				90,878.00
	First Review Budget	906012014 - Web Deve	•		Earnings				70,041.00
	First Review Budget	906012018 - Database			Earnings				91,598.00
	First Review Budget	906012019 - Computer			Earnings				128,237.00
	First Review Budget	906012020 - Network A			Earnings				86,150.00
	First Review Budget	906012024 - Desktop S			Earnings				40,000.00
	First Review Budget	906012027 - Systems A			Earnings				82,701.00
	First Review Budget	906012028 - Sharepoint			Earnings				100,001.00
	First Review Budget	906012029 - Network A			Earnings				58,853.00
	First Review Budget	906012033 - Desktop S	• •		Earnings				64,800.00
	First Review Budget	906012038 - Desktop S			Earnings				64,800.00
	First Review Budget	906012040 - Desktop S			Earnings				59,634.00
	First Review Budget	906012041 - Technical	Coordinator		Earnings Earnings				80,387.00
	First Review Budget	906012043 - ERP Lead	unnort Analyst T		Earnings				66,950.00
	First Review Budget	906012046 - Desktop S	upport Analyst I		Earnings				45,001.00



G/L Account	Account Description	n	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted	
	General Fund		Amount	Amount	Amount	Amount	Duaget	Dudget	Submitted	
EXPENSE	Jeneral Fana									
	nt 060 - Information Tec	hnologies								
	partment 060 - Information									
Эар Бер	First Review Budget	906012047 - Desktop Su	pport Analyst II		Earnings				55,000.00	
	First Review Budget	906012048 - Web Develo	•		Earnings				96,001.00	
	First Review Budget	906012049 - Web Develo	•		Earnings				55,000.00	
	First Review Budget	906012050 - Web Develo	per Project Coordinato		Earnings				71,665.00	
	First Review Budget	906012051 - Web Develo			Earnings				80,001.00	
	First Review Budget	906012072 - Desktop Su	•		Earnings				40,000.00	
	First Review Budget	906012073 - Spatial Solu			Earnings				69,478.00	
	First Review Budget	906012074 - System Adm			Earnings				62,683.00	
	First Review Budget	906012075 - System Adm			Earnings				70,909.00	
	First Review Budget	906012079 - Laserfiche L			Earnings				60,000.00	
	First Review Budget	906012080 - Web Develo			Earnings				65,000.00	
	First Review Budget	906013037 - Project Cool	•		Earnings				82,643.00	
	First Review Budget	906013041 - Chief Inforn			Earnings				147,903.00	
	First Review Budget	906016029 - Copy Center	r Analyst		Earnings				47,501.00	
	First Review Budget	906016030 - Desktop Su	•		Earnings				55,001.00	
	First Review Budget	906016049 - Accounts Pa			Earnings				53,560.00	
	First Review Budget	906016050 - Business An			Earnings				51,501.00	
	First Review Budget	906016055 - Receptionist	•		Earnings				39,999.00	
	First Review Budget	906019801 - Data Analys			Earnings				55,000.00	
	J	•			J		First Re	view Budget Totals	\$3,018,137.00	
001.060.060.40	0002 Non-Union Wage I	ncrease	.00	.00	.00	.00	98,422.00	.00	(98,422.00)	
	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	First Review Budget	Accrual on FY23 Non Unio	on Wage Increases				.0030	98,128.00	294.00	
	First Review Budget	Finance: Remove FY23 N	-				1.0000	(98,422.00)	(98,422.00)	
	First Review Budget	FY23 Non Union Wage in	- '				1.0000	98,128.00	98,128.00	
	This review badget	1 123 Non Onion Wage in	cicuses					view Budget Totals	\$0.00	
001 060 060 40	Now Position Post	at Mayad to	.00	.00	.00	.00				
001.060.060.40	New Position Budg Contingency	et Moved to	.00	.00	.00	.00	(225,000.00)	.00	225,000.00	
	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	First Review Budget	Desktop Support Analyst					1.0000	(55,000.00)	(55,000.00)	
	First Review Budget	Finance Add back 8.10.23	3				1.0000	225,000.00	225,000.00	
	First Review Budget	Network Administrator					1.0000	(65,000.00)	(65,000.00)	
	First Review Budget	Receptionist					1.0000	(40,000.00)	(40,000.00)	



01.060.060.40200 Overtime Salaries 43,503.68 30,546.34 37,265.71 29,272.21 50,150.00 50,150.00 .00    Budget Transactions   Number of Units   Cost Per Unit   Total Amount										
EXPENSE   Sub-Partment   060 - Information Technologies   September	C/L Account	Account Description	n							
Department	·		11	Amount	AHOUH	Amount	Amount	buuget	budget	Submitted
Department   060 - Information Technologies   Sub-Pepartment   060 - Information Technologies   First Review Budget   Web Developer   Sub-Pepartment   060 - Information Technologies   Sub-Pepartment   060 - Information   060 - Information Technologies		101101								
Sub-Department   Office   Information Technologies   Incomo   In		060 - Information Tec	hnologies							
First Review Budget   Web Developer   1,0000 (65,000,00) (65,000,00)   First Review Budget 100,000,000,000,000,000,000,000,000,000	•		_							
10.060.060.40009   Salaries and Wages Subsidy   (181,934.77)   (131,546.93)   (83,000.76)   .00   .0								1.0000	(65,000.00)	(65,000.00)
Budget Transactions								First Re	eview Budget Totals	\$0.00
Budget Transactions	001.060.060.40009	Salaries and Wage	s Subsidy	(181,934.77)	(131,546.93)	(83,000.76)	.00	.00	.00	.00.
Budget Transactions   Level   Transaction   Transaction   1.0000   29,720.00	001.060.060.40200			43,503.68			29,272,21	50,150.00	50,150.00	.00
Level   Transaction   Number of Units   Cost Per Unit   Total Amount				10,723232				,	,	
First Review Budget		_	Torrestion					Al	Cook Down Library	T- t-1 A t
First Review Budget Payroll Accrual 156,0000 130,000 20,280,000 150,0										
First Review Budget		•							•	•
Price   Pric		•	• •							
Budget Transactions	Fi	rst Review Budget	Payroll Accrual						<i>'</i>	
Budget Transactions   Level   Transaction   Number of Units   Cost Per Unit   Total Amount								First Re	eview Budget Totals	\$50,150.00
Level         Transaction         Number of Units         Cost Per Unit         Total Amount           First Review Budget         0.1 New - Web Developer 1         1.0000         36,224.00         36,224.00           First Review Budget         0.2 VACANT - Web Developer I         1.0000         36,224.00         36,224.00           First Review Budget         0.4 New Position Desktop Support Analyst II         1.0000         36,224.00         36,224.00           First Review Budget         0.5 New Position Network Administrator         1.0000         36,224.00         36,224.00           First Review Budget         0.5 VACANT - Business Analyst         1.0000         36,224.00         36,224.00           First Review Budget         0.5 VACANT - Telco Specialist         1.0000         36,224.00         36,224.00           First Review Budget         0.5 New Receptionist         1.0000         36,224.00         36,224.00           First Review Budget         ARDELEAN, CHRISTOPHER L - 20080141         1.0000         23,501.00         23,501.00           First Review Budget         BRUSKY, LINDSEY - 20030184         1.0000         19,088.00         19,088.00           First Review Budget         Budget Moved to Contingency - Desktop Support Analyst         1.0000         (34,074.00)         (34,074.00)           First Rev	001.060.060.45000	Healthcare Contrib	ution	447,385.37	477,542.38	509,801.07	428,085.30	652,081.00	652,081.00	.00
First Review Budget         01 New - Web Developer 1         1.0000         36,224.00         36,224.00           First Review Budget         02 VACANT - Web Developer 1         1.0000         36,224.00         36,224.00           First Review Budget         04 New Position Desktop Support Analyst II         1.0000         36,224.00         36,224.00           First Review Budget         05 New Position Network Administrator         1.0000         36,224.00         36,224.00           First Review Budget         06 VACANT - Business Analyst         1.0000         36,224.00         36,224.00           First Review Budget         07 VACANT - Telco Specialist         1.0000         36,224.00         36,224.00           First Review Budget         08 NEW Receptionist         1.0000         36,224.00         36,224.00           First Review Budget         ARDELEAN, CHRISTOPHER L - 20080141         1.0000         23,501.00         23,501.00           First Review Budget         BAEZ, LYNN - 20190108         1.0000         14,473.00         14,473.00           First Review Budget         BRUSKY, LINDSEY - 20030184         1.0000         14,074.00         34,074.00           First Review Budget         Budget Moved to Contingency - Network Admin         1.0000         (34,074.00)         34,074.00           First Review Budget<	Budo	get Transactions								
First Review Budget         02 VACANT - Web Developer I         1.0000         36,224.00         36,224.00           First Review Budget         04 New Position Desktop Support Analyst II         1.0000         36,224.00         36,224.00           First Review Budget         05 New Position Network Administrator         1.0000         36,224.00         36,224.00           First Review Budget         06 VACANT - Business Analyst         1.0000         36,224.00         36,224.00           First Review Budget         07 VACANT - Telco Specialist         1.0000         36,224.00         36,224.00           First Review Budget         08 NEW Receptionist         1.0000         36,224.00         36,224.00           First Review Budget         ARDELEAN, CHRISTOPHER L - 20080141         1.0000         23,501.00         23,501.00           First Review Budget         BAEZ, LYNN - 20190108         1.0000         14,473.00         14,473.00           First Review Budget         BRUSKY, LINDSEY - 20030184         1.0000         19,088.00         19,088.00           First Review Budget         Budget Moved to Contingency - Desktop Support Analyst         1.0000         (34,074.00)         (34,074.00)           First Review Budget         Budget Moved to Contingency - Network Admin         1.0000         (34,074.00)         (34,074.00) <t< td=""><td>Le</td><td>evel</td><td>Transaction</td><td></td><td></td><td></td><td></td><td>Number of Units</td><td>Cost Per Unit</td><td>Total Amount</td></t<>	Le	evel	Transaction					Number of Units	Cost Per Unit	Total Amount
First Review Budget         04 New Position Desktop Support Analyst II         1.0000         36,224.00         36,224.00           First Review Budget         05 New Position Network Administrator         1.0000         36,224.00         36,224.00           First Review Budget         06 VACANT - Business Analyst         1.0000         36,224.00         36,224.00           First Review Budget         07 VACANT - Telco Specialist         1.0000         36,224.00         36,224.00           First Review Budget         08 NEW Receptionist         1.0000         36,224.00         36,224.00           First Review Budget         ARDELEAN, CHRISTOPHER L - 20080141         1.0000         23,501.00         23,501.00           First Review Budget         BRUSKY, LINDSEY - 20030184         1.0000         14,473.00         14,473.00           First Review Budget         Budget Moved to Contingency - Desktop Support Analyst         1.0000         (34,074.00)         (34,074.00)           First Review Budget         Budget Moved to Contingency - Network Admin         1.0000         (34,074.00)         (34,074.00)           First Review Budget         Budget Moved to Contingency - Network Admin         1.0000         (34,074.00)         (34,074.00)           First Review Budget         Budget Moved to Contingency - Network Admin         1.0000         (34,074.00)	Fir	rst Review Budget	01 New - Web Develo	oper 1				1.0000	36,224.00	36,224.00
First Review Budget         05 New Position Network Administrator         1.0000         36,224.00         36,224.00           First Review Budget         06 VACANT - Business Analyst         1.0000         36,224.00         36,224.00           First Review Budget         07 VACANT - Telco Specialist         1.0000         36,224.00         36,224.00           First Review Budget         08 NEW Receptionist         1.0000         36,224.00         36,224.00           First Review Budget         ARDELEAN, CHRISTOPHER L - 20080141         1.0000         23,501.00         23,501.00           First Review Budget         BRUSKY, LINDSEY - 20190108         1.0000         14,473.00         14,473.00           First Review Budget         BRUSKY, LINDSEY - 20030184         1.0000         19,088.00         19,088.00           First Review Budget         Budget Moved to Contingency - Desktop Support Analyst         1.0000         (34,074.00)         (34,074.00)           First Review Budget         Budget moved to Contingency - Network Admin         1.0000         (34,074.00)         (34,074.00)           First Review Budget         Budget Moved to Contingency - Network Admin         1.0000         (34,074.00)         (34,074.00)           First Review Budget         Budget Moved to Contingency - Web Developer         1.0000         (34,074.00)         (34	Fir	rst Review Budget	02 VACANT - Web D	eveloper I				1.0000	36,224.00	36,224.00
First Review Budget         05 New Position Network Administrator         1.0000         36,224.00         36,224.00           First Review Budget         06 VACANT - Business Analyst         1.0000         36,224.00         36,224.00           First Review Budget         07 VACANT - Telco Specialist         1.0000         36,224.00         36,224.00           First Review Budget         08 NEW Receptionist         1.0000         36,224.00         36,224.00           First Review Budget         ARDELEAN, CHRISTOPHER L - 20080141         1.0000         23,501.00         23,501.00           First Review Budget         BRUSKY, LINDSEY - 20190108         1.0000         14,473.00         14,473.00           First Review Budget         BRUSKY, LINDSEY - 20030184         1.0000         19,088.00         19,088.00           First Review Budget         Budget Moved to Contingency - Desktop Support Analyst         1.0000         (34,074.00)         (34,074.00)           First Review Budget         Budget moved to Contingency - Network Admin         1.0000         (34,074.00)         (34,074.00)           First Review Budget         Budget Moved to Contingency - Network Admin         1.0000         (34,074.00)         (34,074.00)           First Review Budget         Budget Moved to Contingency - Web Developer         1.0000         (34,074.00)         (34	Fir	irst Review Budget	04 New Position Desk	top Support Analyst II				1.0000	36,224.00	36,224.00
First Review Budget         06 VACANT - Business Analyst         1.0000         36,224.00         36,224.00           First Review Budget         07 VACANT - Telco Specialist         1.0000         36,224.00         36,224.00           First Review Budget         08 NEW Receptionist         1.0000         36,224.00         36,224.00           First Review Budget         ARDELEAN, CHRISTOPHER L - 20080141         1.0000         23,501.00         23,501.00           First Review Budget         BAEZ, LYNN - 20190108         1.0000         14,473.00         14,73.00           First Review Budget         BRUSKY, LINDSEY - 20030184         1.0000         19,088.00         19,088.00           First Review Budget         Budget Moved to Contingency - Desktop Support Analyst         1.0000         (34,074.00)         (34,074.00)           First Review Budget         Budget moved to Contingency - Network Admin         1.0000         (34,074.00)         (34,074.00)           First Review Budget         Budget Moved to Contingency - Network Admin         1.0000         (34,074.00)         (34,074.00)           First Review Budget         Budget Moved to Contingency - Network Admin         1.0000         (34,074.00)         (34,074.00)           First Review Budget         Budget Moved to Contingency - Web Developer         1.0000         (34,074.00) <td< td=""><td>Fir</td><td>rst Review Budget</td><td>05 New Position Netv</td><td>vork Administrator</td><td></td><td></td><td></td><td>1.0000</td><td></td><td></td></td<>	Fir	rst Review Budget	05 New Position Netv	vork Administrator				1.0000		
First Review Budget         07 VACANT - Telco Specialist         1.0000         36,224.00         36,224.00           First Review Budget         08 NEW Receptionist         1.0000         36,224.00         36,224.00           First Review Budget         ARDELEAN, CHRISTOPHER L - 20080141         1.0000         23,501.00         23,501.00           First Review Budget         BAEZ, LYNN - 20190108         1.0000         14,473.00         14,473.00           First Review Budget         BRUSKY, LINDSEY - 20030184         1.0000         19,088.00         19,088.00           First Review Budget         Budget Moved to Contingency - Desktop Support Analyst         1.0000         (34,074.00)         (34,074.00)           First Review Budget         Budget moved to Contingency - Network Admin         1.0000         (34,074.00)         (34,074.00)           First Review Budget         Budget Moved to Contingency - Receptionist         1.0000         (34,074.00)         (34,074.00)           First Review Budget         Budget Moved to Contingency - Web Developer         1.0000         (34,074.00)         (34,074.00)           First Review Budget         Budget Moved to Contingency - Web Developer         1.0000         (34,074.00)         (34,074.00)           First Review Budget         CLARK, KELLY - 20200014         1.0000         23,501.00         23		•	06 VACANT - Busines	s Analyst				1.0000	•	
First Review Budget         08 NEW Receptionist         1.0000         36,224.00         36,224.00           First Review Budget         ARDELEAN, CHRISTOPHER L - 20080141         1.0000         23,501.00         23,501.00           First Review Budget         BAEZ, LYNN - 20190108         1.0000         14,473.00         14,473.00           First Review Budget         BRUSKY, LINDSEY - 20030184         1.0000         19,088.00         19,088.00           First Review Budget         Budget Moved to Contingency - Desktop Support Analyst         1.0000         (34,074.00)         (34,074.00)           First Review Budget         Budget moved to Contingency - Network Admin         1.0000         (34,074.00)         (34,074.00)           First Review Budget         Budget Moved to Contingency - Receptionist         1.0000         (34,074.00)         (34,074.00)           First Review Budget         Budget Moved to Contingency - Web Developer         1.0000         (34,074.00)         (34,074.00)           First Review Budget         BUSCHBACHER, BRENDA - 20220012         1.0000         (34,074.00)         (34,074.00)           First Review Budget         CLARK, KELLY - 20200014         1.0000         23,501.00         23,501.00           First Review Budget         CUNNINGHAM, THOMAS A - 20060183         1.0000         6,868.00         6,868.00	Fi	irst Review Budget		•				1.0000	•	·
First Review Budget         ARDELEAN, CHRISTOPHER L - 20080141         1.0000         23,501.00         23,501.00           First Review Budget         BAEZ, LYNN - 20190108         1.0000         14,473.00         14,473.00           First Review Budget         BRUSKY, LINDSEY - 20030184         1.0000         19,088.00         19,088.00           First Review Budget         Budget Moved to Contingency - Desktop Support Analyst         1.0000         (34,074.00)         (34,074.00)           First Review Budget         Budget moved to Contingency - Network Admin         1.0000         (34,074.00)         (34,074.00)           First Review Budget         Budget Moved to Contingency - Receptionist         1.0000         (34,074.00)         (34,074.00)           First Review Budget         Budget Moved to Contingency - Web Developer         1.0000         (34,074.00)         (34,074.00)           First Review Budget         BUSCHBACHER, BRENDA - 20220012         1.0000         13,490.00         13,490.00           First Review Budget         CLARK, KELLY - 20200014         1.0000         23,501.00         23,501.00           First Review Budget         CUNNINGHAM, THOMAS A - 20060183         1.0000         6,868.00         6,868.00           First Review Budget         FAHNESTOCK, ROGER A - 20020093         32,410.00         32,410.00 <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>,</td> <td>•</td>		-							,	•
First Review Budget         BAEZ, LYNN - 20190108         1.0000         14,473.00         14,473.00           First Review Budget         BRUSKY, LINDSEY - 20030184         1.0000         19,088.00         19,088.00           First Review Budget         Budget Moved to Contingency - Desktop Support Analyst         1.0000         (34,074.00)         (34,074.00)           First Review Budget         Budget moved to Contingency - Network Admin         1.0000         (34,074.00)         (34,074.00)           First Review Budget         Budget Moved to Contingency - Receptionist         1.0000         (34,074.00)         (34,074.00)           First Review Budget         Budget Moved to Contingency - Web Developer         1.0000         (34,074.00)         (34,074.00)           First Review Budget         BUSCHBACHER, BRENDA - 20220012         1.0000         (34,074.00)         13,490.00           First Review Budget         CLARK, KELLY - 20200014         1.0000         23,501.00         23,501.00           First Review Budget         CUNNINGHAM, THOMAS A - 20060183         1.0000         6,868.00         6,868.00           First Review Budget         ERICKSON, GARY R - 19830011         1.0000         23,501.00         23,501.00           First Review Budget         FAHNESTOCK, ROGER A - 20020093         32,410.00         32,410.00		•	•						,	•
First Review Budget         BRUSKY, LINDSEY - 20030184         1.0000         19,088.00         19,088.00           First Review Budget         Budget Moved to Contingency - Desktop Support Analyst         1.0000         (34,074.00)         (34,074.00)           First Review Budget         Budget moved to Contingency - Network Admin         1.0000         (34,074.00)         (34,074.00)           First Review Budget         Budget Moved to Contingency - Receptionist         1.0000         (34,074.00)         (34,074.00)           First Review Budget         Budget Moved to Contingency - Web Developer         1.0000         (34,074.00)         (34,074.00)           First Review Budget         BUSCHBACHER, BRENDA - 20220012         1.0000         13,490.00         13,490.00           First Review Budget         CLARK, KELLY - 20200014         1.0000         23,501.00         23,501.00           First Review Budget         CUNNINGHAM, THOMAS A - 20060183         1.0000         6,868.00         6,868.00           First Review Budget         ERICKSON, GARY R - 19830011         1.0000         23,501.00         23,501.00           First Review Budget         FAHNESTOCK, ROGER A - 20020093         8947         36,224.00         32,410.00		•	•						•	
First Review Budget         Budget Moved to Contingency - Desktop Support Analyst         1.0000         (34,074.00)         (34,074.00)           First Review Budget         Budget moved to Contingency - Network Admin         1.0000         (34,074.00)         (34,074.00)           First Review Budget         Budget Moved to Contingency - Receptionist         1.0000         (34,074.00)         (34,074.00)           First Review Budget         Budget Moved to Contingency - Web Developer         1.0000         (34,074.00)         (34,074.00)           First Review Budget         BUSCHBACHER, BRENDA - 20220012         1.0000         13,490.00         13,490.00           First Review Budget         CLARK, KELLY - 20200014         1.0000         23,501.00         23,501.00           First Review Budget         CUNNINGHAM, THOMAS A - 20060183         1.0000         6,868.00         6,868.00           First Review Budget         ERICKSON, GARY R - 19830011         1.0000         23,501.00         23,501.00           First Review Budget         FAHNESTOCK, ROGER A - 20020093         8947         36,224.00         32,410.00		5	•						•	•
First Review Budget         Budget moved to Contingency - Network Admin         1.0000         (34,074.00)         (34,074.00)           First Review Budget         Budget Moved to Contingency - Receptionist         1.0000         (34,074.00)         (34,074.00)           First Review Budget         Budget Moved to Contingency - Web Developer         1.0000         (34,074.00)         (34,074.00)           First Review Budget         BUSCHBACHER, BRENDA - 20220012         1.0000         13,490.00         13,490.00           First Review Budget         CLARK, KELLY - 20200014         1.0000         23,501.00         23,501.00           First Review Budget         CUNNINGHAM, THOMAS A - 20060183         1.0000         6,868.00         6,868.00           First Review Budget         ERICKSON, GARY R - 19830011         1.0000         23,501.00         23,501.00           First Review Budget         FAHNESTOCK, ROGER A - 20020093         8947         36,224.00         32,410.00		-	•		ort Analyst				•	•
First Review Budget         Budget Moved to Contingency - Receptionist         1.0000         (34,074.00)         (34,074.00)           First Review Budget         Budget Moved to Contingency - Web Developer         1.0000         (34,074.00)         (34,074.00)           First Review Budget         BUSCHBACHER, BRENDA - 20220012         1.0000         13,490.00         13,490.00           First Review Budget         CLARK, KELLY - 20200014         1.0000         23,501.00         23,501.00           First Review Budget         CUNNINGHAM, THOMAS A - 20060183         1.0000         6,868.00         6,868.00           First Review Budget         ERICKSON, GARY R - 19830011         1.0000         23,501.00         23,501.00           First Review Budget         FAHNESTOCK, ROGER A - 20020093         8947         36,224.00         32,410.00		5	-		•					
First Review Budget         Budget Moved to Contingency - Web Developer         1.0000         (34,074.00)         (34,074.00)           First Review Budget         BUSCHBACHER, BRENDA - 20220012         1.0000         13,490.00         13,490.00           First Review Budget         CLARK, KELLY - 20200014         1.0000         23,501.00         23,501.00           First Review Budget         CUNNINGHAM, THOMAS A - 20060183         1.0000         6,868.00         6,868.00           First Review Budget         ERICKSON, GARY R - 19830011         1.0000         23,501.00         23,501.00           First Review Budget         FAHNESTOCK, ROGER A - 20020093         8947         36,224.00         32,410.00		_	•	• ,						
First Review Budget         BUSCHBACHER, BRENDA - 20220012         1.0000         13,490.00         13,490.00           First Review Budget         CLARK, KELLY - 20200014         1.0000         23,501.00         23,501.00           First Review Budget         CUNNINGHAM, THOMAS A - 20060183         1.0000         6,868.00         6,868.00           First Review Budget         ERICKSON, GARY R - 19830011         1.0000         23,501.00         23,501.00           First Review Budget         FAHNESTOCK, ROGER A - 20020093         8947         36,224.00         32,410.00		•	-	• , .	ır					
First Review Budget         CLARK, KELLY - 20200014         1.0000         23,501.00         23,501.00           First Review Budget         CUNNINGHAM, THOMAS A - 20060183         1.0000         6,868.00         6,868.00           First Review Budget         ERICKSON, GARY R - 19830011         1.0000         23,501.00         23,501.00           First Review Budget         FAHNESTOCK, ROGER A - 20020093         8947         36,224.00         32,410.00		•	-	• ,	.1					
First Review Budget         CUNNINGHAM, THOMAS A - 20060183         1.0000         6,868.00         6,868.00           First Review Budget         ERICKSON, GARY R - 19830011         1.0000         23,501.00         23,501.00           First Review Budget         FAHNESTOCK, ROGER A - 20020093         .8947         36,224.00         32,410.00		-	•						•	•
First Review Budget         ERICKSON, GARY R - 19830011         1.0000         23,501.00         23,501.00           First Review Budget         FAHNESTOCK, ROGER A - 20020093         .8947         36,224.00         32,410.00		•	·							•
First Review Budget FAHNESTOCK, ROGER A - 20020093 .8947 36,224.00 32,410.00		_	•							•
		•	•						•	•
First Keview Budget Final Rate Adjustment per 8-10-22 HSC 1.0000 (26,447.00) (26,447.00)		•	,						•	•
	Fi	rst Review Budget	Final Rate Adjustmen	t per 8-10-22 HSC				1.0000	(26,447.00)	(26,447.00)



			2020 Actual	2021 Actual	2022 Actual	2023 Actual	2024 Submitted	2024 First Review	FY24 FRL less FY24
G/L Account	Account Description		Amount	Amount	Amount	Amount	Budget	Budget	Submitted
Fund <b>001 - Ge</b>	neral Fund								
EXPENSE									
	060 - Information Tech	_							
Sub-Depar	tment 060 - Information		_						
	First Review Budget	FOX, BENJAMIN J - 2012007					1.0000	23,501.00	23,501.00
	First Review Budget	GWILLIM, ERIC C - 2005014					1.0000	6,868.00	6,868.00
	First Review Budget	HAMPEL, BROOKE L - Admini		Manager- 20150039			1.0000	6,868.00	6,868.00
	First Review Budget	HEMESATH, CHRISTOPHER -					1.0000	20,700.00	20,700.00
	First Review Budget	KLOESE, JONATHAN D - 1999					1.0000	20,700.00	20,700.00
	First Review Budget	LASKY, CHARLES A - 201200	60				1.0000	20,700.00	20,700.00
	First Review Budget	LE, HEIN - Web Developer I					1.0000	6,868.00	6,868.00
	First Review Budget	LEBO, KURT D Spatial Solu	tions Officer				.5500	20,700.00	11,385.00
	First Review Budget	MALIS, COREY - 20150020					1.0000	6,868.00	6,868.00
	First Review Budget	MEYER, MATT - 19990031					1.0000	20,700.00	20,700.00
	First Review Budget	MEYER, NOAH - Process Man	ager 20210082				1.0000	11,884.00	11,884.00
	First Review Budget	MONTERO, ALMA D - 201301	.69				1.0000	20,700.00	20,700.00
	First Review Budget	NEUENKIRCHEN JR, DAVIS E	- 19970086				1.0000	36,224.00	36,224.00
	First Review Budget	NOVACK, SCOTT J - 2013006	58				1.0000	7,359.00	7,359.00
	First Review Budget	PETERS, BLAIR - 20150003					1.0000	36,224.00	36,224.00
	First Review Budget	REED, JILL A - 20010127					1.0000	14,473.00	14,473.00
	First Review Budget	SENTER, SCOTT E - 2010004	6				1.0000	14,473.00	14,473.00
	First Review Budget	SHACKLETON, STEVEN R - 2	0120074				1.0000	11,884.00	11,884.00
	First Review Budget	SHIVE, ROBERT M - 1999004	17				1.0000	36,224.00	36,224.00
	First Review Budget	TEDDER, ADAM L - 2011003	7				1.0000	20,700.00	20,700.00
	First Review Budget	TIERNEY, MICHAEL - 201500	07				1.0000	6,868.00	6,868.00
	First Review Budget	TRAN, VU - Web Developer I					1.0000	6,868.00	6,868.00
	First Review Budget	WOLF, NATHAN - 20210147					1.0000	11,884.00	11,884.00
	First Review Budget	ZAKOSEK, JOHN P - 2002000	)5				1.0000	23,501.00	23,501.00
							First Re	view Budget Totals	\$652,081.00
 001.060.060.450	09 Healthcare Subsidy		(29,958.71)	(20,483.10)	(12,586.96)	.00	.00	.00	.00
001.060.060.450	10 Dental Contribution		13,105.06	13,592.81	14,089.23	10,419.67	16,036.00	16,036.00	.00
Е	Budget Transactions								
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount
	First Review Budget	01 NEW - Web Developer 1					1.0000	666.00	666.00
	First Review Budget	02 VACANT - Web Developer	I				1.0000	666.00	666.00
	First Review Budget	04 New Position Desktop Sup	port Analyst II				1.0000	666.00	666.00
	First Review Budget	05 New Position Network Adr	ministrator				1.0000	666.00	666.00
	First Review Budget	06 VACANT - Business Analys	st				1.0000	666.00	666.00
	First Review Budget	07 VACANT - Telco Specialist					1.0000	666.00	666.00
	First Review Budget	08 NEW Receptionist					1.0000	666.00	666.00
	9	•							



#### FY24 First Level Budget Detail - IT General Fund

Budget Year 2024

2020 Actual 2021 Actual 2022 Actual 2023 Actual 2024 Submitted 2024 First Review FY24 FRL less FY24

G/L Account Account Description Amount Amount Amount Budget Budget Submitted

Fund 001 - General Fund

**EXPENSE** 

Department 060 - Information Technologies

Sub-Department 060 - Information Technologies

artment 060 - Informat	tion Technologies			_
First Review Budget	ARDELEAN, CHRISTROPHER L - 20080141	1.0000	666.00	666.00
First Review Budget	BAEZ, LYNN - 20190108	1.0000	666.00	666.00
First Review Budget	Budget Moved to Contingency - Desktop Support Analyst	1.0000	(666.00)	(666.00)
First Review Budget	Budget Moved to Contingency - Network Administrator	1.0000	(666.00)	(666.00)
First Review Budget	Budget Moved to Contingency - Receptionist	1.0000	(666.00)	(666.00)
First Review Budget	Budget Moved to Contingency - Web Developer	1.0000	(666.00)	(666.00)
First Review Budget	BUSCHBACHER, BRENDA - 20220012	1.0000	256.00	256.00
First Review Budget	CLARK, KELLY - 20200014	1.0000	666.00	666.00
First Review Budget	CUNNINGHAM, THOMAS A - 20060183	1.0000	110.00	110.00
First Review Budget	ERICKSON, GARY R - 19830011	1.0000	256.00	256.00
First Review Budget	FAHNESTOCK, ROGER A - 20020093	.8947	666.00	596.00
First Review Budget	FOX, BENJAMIN J - Desktop Support Analyst I - 20120076	1.0000	666.00	666.00
First Review Budget	GWILLIM, ERIC C - 20050147	1.0000	256.00	256.00
First Review Budget	HAMPEL, BROOKE L - 20150039	1.0000	256.00	256.00
First Review Budget	HEMESATH, CHRISTOPHER - 20140111	1.0000	666.00	666.00
First Review Budget	KLOESE, JONATHAN D - 19990266	1.0000	666.00	666.00
First Review Budget	LASKY, CHARLES A - 20120060	1.0000	666.00	666.00
First Review Budget	LE, HIEN - Web Developer I	1.0000	256.00	256.00
First Review Budget	LEBO, KURT D.	.5500	666.00	366.00
First Review Budget	MALIS, COREY - 20150020	1.0000	256.00	256.00
First Review Budget	MEYER, MATT - 19990031	1.0000	666.00	666.00
First Review Budget	MEYER, NOAH - Process Manager 20210082	1.0000	256.00	256.00
First Review Budget	MONTERO, ALMA D - 20130169	1.0000	666.00	666.00
First Review Budget	NEUENKIRCHEN JR, DAVIS E - 19970086	1.0000	666.00	666.00
First Review Budget	NOVACK, SCOTT J - 20130068	1.0000	256.00	256.00
First Review Budget	PETERS, BLAIR - 20150003	1.0000	666.00	666.00
First Review Budget	REED, JILL A - 20010127	1.0000	666.00	666.00
First Review Budget	SENTER, SCOTT E - 20100046	1.0000	285.00	285.00
First Review Budget	SHACKLETON, STEVEN R - 20120074	1.0000	256.00	256.00
First Review Budget	SHIVE, ROBERT M - 19990047	1.0000	666.00	666.00
First Review Budget	TEDDER, ADAM L - 20110037	1.0000	285.00	285.00
First Review Budget	TIERNEY, MICHAEL - 20150007	1.0000	256.00	256.00
First Review Budget	TRAN,VU - Web Developer I	1.0000	256.00	256.00
First Review Budget	WOLF, NATHAN - 20210147	1.0000	256.00	256.00
First Review Budget	ZAKOSEK, JOHN P - 20020005	1.0000	666.00	666.00
		First Re	view Budget Totals	\$16,036.00



ess FY24 ubmitted	FY24 FRL less	2024 First Review Budget	2024 Submitted Budget	2023 Actual Amount	2022 Actual Amount	2021 Actual Amount	2020 Actual Amount	Account Description	'L Account
ubillitted	Subi	Dauget	Duaget	Amount	Amount	Amount	Amount	<del>'</del>	ind <b>001 - Genera</b>
									EXPENSE
								- Information Technologies	
								060 - Information Technologies	Sub-Departmen
.00		.00	.00	.00	(324.00)	(600.72)	(989.98)	Dental Subsidy	1.060.060.45019
.00		441,284.00	441,284.00	141,518.40	191,551.83	169,638.99	142,704.93	Contractual/Consulting Services	1.060.060.50150
								Transactions	Budge
mount	Total Amo	Cost Per Unit	Number of Units					Transaction	Lev
(00.00)	(40,000	(40,000.00)	1.0000			or new recep	emporary STaffing by \$40k f	Review Budget 9/21 - FSD reduce To	First
,000.00	20,00	20,000.00	1.0000					Review Budget Alarm Detection	First
,000.00	90,00	90,000.00	1.0000				ieneral	Review Budget Consulting Services (	First
,800.00	1,80	1,800.00	1.0000					Review Budget Data Center Cleaning	First
,584.00	105,58	105,584.00	1.0000				tion	Review Budget Data Center Co-Loca	First
,000.00	5,00	5,000.00	1.0000				ve Maintenance Services	Review Budget Generator Preventati	First
,000.00	•	5,000.00	1.0000				ne and Materials	Review Budget Generator Repairs Ti	First
,000.00	•	15,000.00	1.0000					Review Budget Iron Mountain	First
,000.00	•	20,000.00	1.0000				ces	Review Budget Online Meeting Servi	First
,000.00	•	25,000.00	1.0000				pgrade Support	Review Budget Phone & Exchange U	
,000.00	•	10,000.00	1.0000					Review Budget Summer Contractors	
,000.00	•	95,000.00	1.0000					Review Budget Temporary Staffing	
,900.00	•	10,900.00	1.0000					Review Budget Therm-Flo HVAC Dat	
,000.00		75.00	1,040.0000			experience	C# .Net Core 6, SQL Server	Review Budget Web developer with	First
	\$441,28	view Budget Totals							
.00		.00	.00	.00	40,590.00	.00	.00	Public Health Services - Coronavirus	1.060.060.50235
.00		.00	.00	75.58	.00	230.38	1,883.00	Software Licensing Cost	1.060.060.50340
.00		245,601.00	245,601.00	2,436.53	58,170.17	60,474.89	34,042.78	Repairs and Maint- Computers	1.060.060.52130
								Transactions	Budge
	Total Amo	Cost Per Unit	Number of Units						Lev
,000.00	•	23,000.00	1.0000					Review Budget Backup Maintenance	First
1.00		1.00	1.0000					Review Budget Barracuda Mail Archi	
,000.00	•	4,000.00	1.0000				enance VLM 3000 Exchange	•	
,000.00	•	4,000.00	2.0000				enance VLM5000 Tyler	<u>-</u>	
,000.00	•	35,000.00	1.0000				anties	Review Budget Physical Server Warr	
,000.00	•	150,000.00	1.0000				. (20.0.00)	Review Budget Tintri Maintenance	
,000.00		20,000.00	1.0000				nent (JC & GC)	Review Budget UPS Battery Replace	
,600.00		5,600.00	1.0000					Review Budget UPS Maintenance	First
,601.00	\$245,60	view Budget Totals	First Re						



			2020 Actual	2021 Actual	2022 Actual	2023 Actual	2024 Submitted		FY24 FRL less FY24
G/L Account	Account Description	)	Amount	Amount	Amount	Amount	Budget	Budget	Submitted
Fund 001 - General F	Fund								
EXPENSE	T C								
•	- Information Tecl	_							
Sub-Department 001.060.060.52140	060 - Information Repairs and Maint-	2	.00	.00	.00	.00	7,500.00	7,500.00	.00.
001.000.000.52140	Repairs and Maint-	Copiers	.00	.00	.00	.00	7,500.00	7,500.00	.00
Budget 7	Transactions								
Level	1	Transaction					Number of Units	Cost Per Unit	Total Amount
First F	Review Budget	Copier & Scanner Maintenar	nce - ITD				1.0000	7,500.00	7,500.00
							First Re	view Budget Totals	\$7,500.00
001.060.060.52150	Repairs and Maint-	Comm Equip	51,205.17	36,764.90	119,590.79	28,549.81	110,004.00	110,004.00	.00
Rudget 7	Transactions								
Level		Transaction					Number of Units	Cost Per Unit	Total Amount
	Review Budget	Maintenance Spares - Switc	hes Routers WAP				1.0000	50,000.00	50,000.00
	Review Budget	Misc Comm Equipment					1.0000	30,000.00	30,000.00
	Review Budget	Mist Wired Assurance					52.0000	577.00	30,004.00
1 1136 1	neview budget	Thise Wired 7 boundines						view Budget Totals	\$110,004.00
			2 721 11	2 420 04	1 552 06	56.72			
001.060.060.52230	Repairs and Maint-	Venicles	2,731.11	2,430.04	1,552.96	56.73	4,000.00	4,000.00	.00
	Transactions								
Level		Transaction					Number of Units	Cost Per Unit	Total Amount
First R	Review Budget	Vehicle Maintenance					1.0000	4,000.00	4,000.00
							First Re	view Budget Totals	\$4,000.00
001.060.060.52240	Repairs and Maint-	Office Equip	.00	683.10	.00	.00	.00	.00	.00
01.060.060.53040	General Advertising		.00	66.50	.00	4,662.00	1,500.00	1,500.00	.00
Budget <sup>-</sup>	Transactions								
Level		Transaction					Number of Units	Cost Per Unit	Total Amount
First F	Review Budget	Newspaper RFP Public Notic	es				1.0000	1,500.00	1,500.00
							First Re	view Budget Totals	\$1,500.00
001.060.060.53100	Conferences and M	eetings	7,644.71	29,270.01	19,154.59	12,249.64	57,200.00	59,400.00	2,200.0
		eetings	7,644.71	29,270.01	19,154.59	12,249.64	57,200.00	59,400.00	2,200.0
	Transactions	eetings Transaction	7,644.71	29,270.01	19,154.59	12,249.64	57,200.00  Number of Units	59,400.00  Cost Per Unit	·
Budget 7	Transactions	Transaction	7,644.71	29,270.01	19,154.59	12,249.64	Number of Units	Cost Per Unit	Total Amount
Budget 7	Transactions	-	7,644.71	29,270.01	19,154.59	12,249.64	Number of Units 1.0000	Cost Per Unit 59,400.00	<i>Total Amount</i> 59,400.00
Budget 7  Level First R	Transactions Review Budget	Transaction	,	·		·	Number of Units 1.0000 First Re	Cost Per Unit 59,400.00 view Budget Totals	Total Amount 59,400.00 \$59,400.00
Budget 7	Transactions	Transaction	7,644.71 52,629.12	29,270.01	9,588.89	1,525.19	Number of Units 1.0000	Cost Per Unit 59,400.00	Total Amount 59,400.00 \$59,400.00
Budget 7 <i>Level</i> First R 001.060.060.53110	Transactions Review Budget	Transaction	,	·		·	Number of Units 1.0000 First Re	Cost Per Unit 59,400.00 view Budget Totals	Total Amount 59,400.00 \$59,400.00
Budget 7 <i>Level</i> First R 001.060.060.53110	Transactions  Review Budget  Employee Training  Transactions	Transaction	,	·		·	Number of Units 1.0000 First Re	Cost Per Unit 59,400.00 view Budget Totals	Total Amount 59,400.00 \$59,400.00
Budget 7  Level First R  001.060.060.53110  Budget 7  Level	Transactions  Review Budget  Employee Training  Transactions	Transaction Conference & Meetings	,	·		·	Number of Units 1.0000 First Re 41,000.00	Cost Per Unit 59,400.00 view Budget Totals 41,000.00	59,400.00 \$59,400.00 .00



G/L Account	Account Description	an.	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted
Fund 001 - General	<u></u>	)II	Amount	Amount	Amount	Amount	Duuget	Dudget	Submittet
EXPENSE									
	- Information Tec	chnologies							
	060 - Informati	-							
	Review Budget	Cybersecurity Awareness T	raining & Phishing				1.0000	8,000.00	8,000.00
First	Review Budget	IT PMI Certification					2.0000	2,000.00	4,000.00
First	Review Budget	Pluralsight					1.0000	3,500.00	3,500.00
First	Review Budget	Security Training					1.0000	12,000.00	12,000.00
First	Review Budget	Server Tier Microsoft					2.0000	3,000.00	6,000.00
First	Review Budget	Server Tier VMWare					1.0000	3,000.00	3,000.00
First	Review Budget	SkillSets Online					1.0000	3,000.00	3,000.00
							First Re	eview Budget Totals	\$41,000.00
01.060.060.53120	Employee Mileage	Expense	933.95	862.31	1,485.10	290.67	3,000.00	3,000.00	.00
Budget	Transactions								
Leve	/	Transaction					Number of Units	Cost Per Unit	Total Amount
First	Review Budget	Employee Mileage Expense					1.0000	3,000.00	3,000.00
							First Re	eview Budget Totals	\$3,000.00
01.060.060.53130	General Associatio	n Dues	120.00	.00	285.00	.00	4,000.00	.00	(4,000.00)
01.060.060.60000	Office Supplies		12,983.77	19,231.71	25,281.53	7,430.54	20,000.00	27,300.00	7,300.00
Budget	Transactions								
Leve	/	Transaction					Number of Units	Cost Per Unit	Total Amount
First	Review Budget	Furniture					1.0000	5,000.00	5,000.00
	Review Budget	Office Supplies					1.0000	20,000.00	20,000.00
First	Review Budget	Uniform					1.0000	2,300.00	2,300.00
							First Re	eview Budget Totals	\$27,300.00
001.060.060.60020	Computer Related	Supplies	29,654.97	38,851.13	36,771.20	23,311.11	55,450.00	55,450.00	.00.
Budget	Transactions								
Leve	p/	Transaction					Number of Units	Cost Per Unit	Total Amount
First	Review Budget	General Computer Related	Supplies				1.0000	55,450.00	55,450.00
							First Re	eview Budget Totals	\$55,450.00
001.060.060.60050	Books and Subscri		1,510.43	1,387.25	329.74	332.60	2,000.00	.00	(2,000.00
001.060.060.60060	Computer Software	e- Non Capital	1,212.26	.00	.00	.00	.00	.00	.0



G/L Account	Account Description	on	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted
Fund <b>001 - General</b>			741104110	741104110	7 arrodite	741104110	Daagot	Daagot	oubcou
	0 - Information Tent 1060 - Information 1060 - Printing Supplies		36,360.18	17,498.27	22,497.30	14,859.03	36,000.00	36,000.00	.00
Leve	et Transactions vel t Review Budget	Transaction Printing Supplies					Number of Units 1.0000 First Re	Cost Per Unit 36,000.00 view Budget Totals	Total Amount 36,000.00 \$36,000.00
001.060.060.60265	Public Health Com	nmodities - Coronavirus	.00	93.50	2,534.67	4,960.20	.00	.00	.00
001.060.060.60570	Office Furniture -	Non-Capital	3,449.90	2,599.93	1,806.23	.00	2,500.00	.00	(2,500.00)
001.060.060.63040	Fuel- Vehicles		1,083.79	1,805.01	2,692.28	1,708.34	5,000.00	4,000.00	(1,000.00)
Leve First	el t Review Budget	Transaction Fuel Vehicles					Number of Units 1.0000 First Re	Cost Per Unit 4,000.00 view Budget Totals	7otal Amount 4,000.00 \$4,000.00
First			.00	152.28	.00	.00	1.0000	4,000.00	4,000.00
First 001.060.060.64000	t Review Budget Telephone		.00	152.28 \$3,564,272.03	.00	.00 \$2,851,828.35	1.0000 First Re	4,000.00 view Budget Totals	4,000.00 \$4,000.00
First 001.060.060.64000 Sub-Departn	Telephone ment 060 - Inform	Fuel Vehicles  mation Technologies  Totals _ n Technologies Totals	\$3,449,128.48 \$3,449,128.48	\$3,564,272.03 \$3,564,272.03	\$3,944,437.95 \$3,944,437.95	\$2,851,828.35 \$2,851,828.35	1.0000 First Re .00 \$4,481,064.00 \$4,481,064.00	4,000.00 view Budget Totals .00 \$4,772,443.00 \$4,772,443.00	4,000.00 \$4,000.00 .00 \$291,379.00
First 001.060.060.64000 Sub-Departn	Telephone ment 060 - Information	Fuel Vehicles  mation Technologies  Totals	\$3,449,128.48	\$3,564,272.03	\$3,944,437.95	\$2,851,828.35	1.0000 First Re .00 \$4,481,064.00	4,000.00 view Budget Totals .00 \$4,772,443.00	4,000.00 \$4,000.00 .00 \$291,379.00
First 001.060.060.64000 Sub-Departn	Telephone ment 060 - Information	Fuel Vehicles  mation Technologies	\$3,449,128.48 \$3,449,128.48 \$3,449,128.48 \$1,018,312.79	\$3,564,272.03 \$3,564,272.03 \$3,564,272.03 \$1,114,650.10	\$3,944,437.95 \$3,944,437.95 \$3,944,437.95 \$1,151,771.62	\$2,851,828.35 \$2,851,828.35 \$2,851,828.35 \$1,017,750.98	1.0000 First Re  .00 \$4,481,064.00 \$4,481,064.00 \$4,481,064.00 \$1,251,913.00	\$4,772,443.00 \$4,772,443.00 \$4,772,443.00 \$4,772,443.00 \$1,251,913.00	4,000.00 \$4,000.00 .00 \$291,379.00 \$291,379.00 \$291,379.00
First 001.060.060.64000 Sub-Departn	Telephone ment 060 - Information	Fuel Vehicles  mation Technologies     Totals n Technologies Totals EXPENSE TOTALS - General Fund Totals	\$3,449,128.48 \$3,449,128.48 \$3,449,128.48	\$3,564,272.03 \$3,564,272.03 \$3,564,272.03	\$3,944,437.95 \$3,944,437.95 \$3,944,437.95	\$2,851,828.35 \$2,851,828.35 \$2,851,828.35	1.0000 First Re .00 \$4,481,064.00 \$4,481,064.00 \$4,481,064.00	4,000.00 view Budget Totals .00 \$4,772,443.00 \$4,772,443.00 \$4,772,443.00	4,000.00 \$4,000.00 .00 \$291,379.00 \$291,379.00 \$291,379.00
First 001.060.060.64000 Sub-Departn	Telephone ment 060 - Inform 060 - Information	mation Technologies Totals Technologies Totals EXPENSE TOTALS General Fund Totals EXPENSE TOTALS EXPENSE TOTALS EXPENSE TOTALS EXPENSE TOTALS	\$3,449,128.48 \$3,449,128.48 \$3,449,128.48 \$1,018,312.79	\$3,564,272.03 \$3,564,272.03 \$3,564,272.03 \$1,114,650.10	\$3,944,437.95 \$3,944,437.95 \$3,944,437.95 \$1,151,771.62	\$2,851,828.35 \$2,851,828.35 \$2,851,828.35 \$1,017,750.98	1.0000 First Re  .00 \$4,481,064.00 \$4,481,064.00 \$4,481,064.00 \$1,251,913.00	\$4,772,443.00 \$4,772,443.00 \$4,772,443.00 \$4,772,443.00 \$1,251,913.00	4,000.00 \$4,000.00 .00 \$291,379.00 \$291,379.00 \$291,379.00
First 001.060.060.64000 Sub-Departn	Telephone ment 060 - Inform 060 - Information Fund 001	mation Technologies Totals n Technologies Totals EXPENSE TOTALS General Fund Totals REVENUE TOTALS EXPENSE TOTALS	\$3,449,128.48 \$3,449,128.48 \$3,449,128.48 \$1,018,312.79 \$3,449,128.48	\$3,564,272.03 \$3,564,272.03 \$3,564,272.03 \$1,114,650.10 \$3,564,272.03	\$3,944,437.95 \$3,944,437.95 \$3,944,437.95 \$1,151,771.62 \$3,944,437.95	\$2,851,828.35 \$2,851,828.35 \$2,851,828.35 \$1,017,750.98 \$2,851,828.35	1.0000 First Re .00 \$4,481,064.00 \$4,481,064.00 \$4,481,064.00 \$1,251,913.00 \$4,481,064.00	\$4,000.00 view Budget Totals .00 \$4,772,443.00 \$4,772,443.00 \$4,772,443.00 \$1,251,913.00 \$4,772,443.00	4,000.00 \$4,000.00 .00 \$291,379.00 \$291,379.00 \$291,379.00 \$0.00 \$291,379.00
First 001.060.060.64000 Sub-Departn	Telephone ment 060 - Information Fund 001 Fund 001 RE	mation Technologies Totals Technologies Totals EXPENSE TOTALS General Fund Totals EXPENSE TOTALS EXPENSE TOTALS EXPENSE TOTALS OF TOTALS EXPENSE TOTALS TOTALS Net Grand Totals	\$3,449,128.48 \$3,449,128.48 \$3,449,128.48 \$1,018,312.79 \$3,449,128.48 (\$2,430,815.69)	\$3,564,272.03 \$3,564,272.03 \$3,564,272.03 \$1,114,650.10 \$3,564,272.03 (\$2,449,621.93)	\$3,944,437.95 \$3,944,437.95 \$3,944,437.95 \$1,151,771.62 \$3,944,437.95 (\$2,792,666.33)	\$2,851,828.35 \$2,851,828.35 \$2,851,828.35 \$1,017,750.98 \$2,851,828.35 (\$1,834,077.37)	1.0000 First Re .00 \$4,481,064.00 \$4,481,064.00 \$4,481,064.00 \$1,251,913.00 \$4,481,064.00 (\$3,229,151.00)	\$4,000.00 view Budget Totals .00 \$4,772,443.00 \$4,772,443.00 \$4,772,443.00 \$1,251,913.00 \$4,772,443.00 (\$3,520,530.00)	4,000.00 \$4,000.00 .00 \$291,379.00 \$291,379.00 \$291,379.00 \$0.00 \$291,379.00 (\$291,379.00)



G/L Account	Account Description	1	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund <b>001 - Gene</b>	eral Fund									
•	060 - Information Teclent 000 - Revenues rvices  Computer Services	-	125,934.53	203,706.82	262,467.30	142,716.56	75,248.00	75,248.00	75,248.00	.00
	lget Transactions		-,	,		,	-,			
Si Si Si Si Si Si	evel econd Review Budget	Transaction  CASA - Phones  Child Advocacy Center I  City of Geneva Finance  Cityof Geneva Internet  Geneva Township Phon  Geneva Township- ISI A  Kaneland SD Lease	Server Lease es & Internet				1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	Cost Per Unit 6,288.00 6,204.00 13,140.00 6,960.00 4,392.00 1,200.00 2,912.00	Total Amount 6,288.00 6,204.00 13,140.00 6,960.00 4,392.00 1,200.00 2,912.00	
Se Se Se	econd Review Budget	NIU - ECC NIU - ICN Consortium- NIU - ICN Consortium- NIU - Judson University NIU - McHenry BGP Ser NIU - McHenry County	Kaneland CUSD 302-Mci Internet vice		la		1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	1,800.00 1,560.60 1,360.80 3,600.00 225.00 297.00	1,800.00 1,561.00 1,361.00 3,600.00 225.00 297.00	
Se Se Se	econd Review Budget	NIU - McHenry County NIU - St. Charles Schoo NIU - Woodstock City NIU - Woodstock Public NIU- Elgin City NIU- Geneva Public Libi	l District Library				1.0000 1.0000 1.0000 1.0000 1.0000	1,980.00 3,600.00 495.00 396.00 450.00 675.00	1,980.00 3,600.00 495.00 396.00 450.00 675.00	
Si Si Si	econd Review Budget econd Review Budget econd Review Budget econd Review Budget	Onlight Aurora - Fiber L Property Insight Blackni Tri-Comm Phones ZAYO	ease				1.0000 1.0000 1.0000 1.0000	4,356.00 2,160.00 3,480.00 7,716.00 view Budget Totals	4,356.00 2,160.00 3,480.00 7,716.00 \$75,248.00	
	Charc	nes for Services Totals	\$125,934.53	\$203,706.82	\$262,467.30	\$142,716.56	\$75,248.00	\$75,248.00	\$75,248.00	\$0.00
Other	277479		, -,,	,,	, , , , , , , , , , , , , , , , , , , ,	, ,, =====	, -,- :::30	, 5/= :5:5	, 2,2 :2:20	7-100
001.060.000.38900	Miscellaneous Othe	r	124,770.26	143,335.28	98,380.32	104,545.42	264,361.00	264,361.00	134,093.00	(130,268.00)
£6 Se	lget Transactions evel econd Review Budget econd Review Budget	* Forest Preserve - New *Forest Preserve - ITD					Number of Units 1.0000 1.0000	Cost Per Unit 11,504.00 82,000.00	Total Amount 11,504.00 82,000.00	



G/L Account	Account Descriptio	n	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund <b>001 - G</b>										
REVENUE										
Departmen	nt 060 - Information Tec	hnologies								
Sub-Dep	partment 000 - Revenues									
Other										
	Second Review Budget	*Forest Preserve - MS EA					85.0000	177.00	15,045.00	
	Second Review Budget	*Forest Preserve - MTS I					1.0000	12,276.00	12,276.00	
	Second Review Budget	*Forest Preserve - PC Re	eplacement				1.0000	13,268.00	13,268.00	
							Second Re	eview Budget Totals	\$134,093.00	
Transfers I	In	Other Totals	\$124,770.26	\$143,335.28	\$98,380.32	\$104,545.42	\$264,361.00	\$264,361.00	\$134,093.00	(\$130,268.00)
001.060.000.39		er Funds	767,608.00	767,608.00	.00	.00	.00	.00	.00	.00
	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	FSD Change - 7/21/2022	2 - remove - CO from F	Y22			1.0000	(790,924.00)	(790,924.00)	
	Second Review Budget	Fund 127 - ITD Support					1.0000	25,000.00	25,000.00	
	Second Review Budget	ITD Tech Support TX - A	nimal Control RES20-4	128 11 FTE			1.0000	30,719.00	30,719.00	
	Second Review Budget	ITD Tech Support TX - C	DBG (OCR)) RES20-42	28			1.0000	6,721.00	6,721.00	
	Second Review Budget	ITD Tech Support TX - C	CIC Admin RES20-428				1.0000	13,965.00	13,965.00	
	Second Review Budget	ITD Tech Support TX - C	IC Child Support Fund	RES20-428			1.0000	11,172.00	11,172.00	
	Second Review Budget	ITD Tech Support TX - C	IC Court Automation I	RES20-428			1.0000	25,137.00	25,137.00	
	Second Review Budget	ITD Tech Support TX - C	IC Court Doc Storage	RES20-428			1.0000	36,309.00	36,309.00	
	Second Review Budget	ITD Tech Support TX - C					1.0000	8,379.00	8,379.00	
	Second Review Budget	ITD Tech Support TX - C	` ,				1.0000	1,344.00	1,344.00	
	Second Review Budget	ITD Tech Support TX - E	• ,				1.0000	3,137.00	3,137.00	
	Second Review Budget	ITD Tech Support TX - E					1.0000	1,788.00	1,788.00	
	Second Review Budget	ITD Tech Support TX - F		RES20-428			1.0000	1,396.00	1,396.00	
	Second Review Budget	ITD Tech Support TX - G					1.0000	31,282.00	31,282.00	
	Second Review Budget	ITD Tech Support TX - G					1.0000	2,689.00	2,689.00	
	Second Review Budget	ITD Tech Support TX - H					1.0000	22,321.00	22,321.00	
	Second Review Budget	ITD Tech Support TX - H					1.0000	53,067.00	53,067.00	
	Second Review Budget	ITD Tech Support TX - H					1.0000	53,067.00	53,067.00	
	Second Review Budget	ITD Tech Support TX - H					1.0000	47,481.00	47,481.00	
	Second Review Budget	ITD Tech Support TX - H	` '				1.0000	2,688.00	2,688.00	
	Second Review Budget	ITD Tech Support TX - H	` ,				1.0000	2,390.00	2,390.00	
	Second Review Budget	ITD Tech Support TX - II		8			1.0000	3,575.00	3,575.00	
	Second Review Budget	ITD Tech Support TX - K		00.420			1.0000	58,645.00	58,645.00	
	Second Review Budget	ITD Tech Support TX - K					1.0000	13,963.00	13,963.00	
	Second Review Budget Second Review Budget	ITD Tech Support TX - K ITD Tech Support TX - L					1.0000 1.0000	97,755.00 5,585.00	97,755.00 5,585.00	
	Second Review Budget	TID TECH Support TX - L	aw Libiaiy RE320-420				1.0000	3,303.00	3,303.00	



G/L Account	Account Description		Actual mount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund <b>001 - G</b>	General Fund									
REVENUE										
	nt 060 - Information Tec	hnologies								
Sub-Dep <i>Transfers I</i>	oartment <b>000 - Revenues</b> <i>In</i>									
	Second Review Budget	ITD Tech Support TX - Mill Creek S	SA RES20-4	28			1.0000	3,351.00	3,351.00	
	Second Review Budget	ITD Tech Support TX - Stormwater	-	` '			1.0000	279.00	279.00	
	Second Review Budget	ITD Tech Support TX - Vital Record					1.0000	1,955.00	1,955.00	
	Second Review Budget	ITD Tech Support TX- Emergency		ant (OCR) RES20-428			1.0000	8,962.00	8,962.00	
	Second Review Budget	ITD Tech Support TX- KDOT MFT F					1.0000	92,169.00	92,169.00	
	Second Review Budget	KaneComm Fiber Network Support					1.0000	49,800.00	49,800.00	
	Second Review Budget	KDOT - Personnel Lebo					1.0000	74,833.00	74,833.00	
	Second Review Budget	TX from 200 - Circuit Clerk					1.0000	299,000.00	299,000.00	
	Second Review Budget	TX from 200 - Circuit Clerk remove	d until appr	oved by CIC			1.0000	(299,000.00)	(299,000.00)	
							Second Re	view Budget Totals	\$0.00	
001.060.000.39	7001 Transfer from Fund	1 001	.00	.00	.00	17,478.00	17,478.00	17,478.00	17,478.00	.00
	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	IT Tech Support CLEPD 2@\$2,913.					1.0000	5,826.00	5,826.00	
	Second Review Budget	IT Tech Support COSSAP 4@\$2,91	3.00				1.0000	11,652.00	11,652.00	
							Second Re	view Budget Totals	\$17,478.00	
001.060.000.39	9010 Transfer from Fund	1 010	.00	.00	3,575.00	4,078.00	4,078.00	4,078.00	3,981.00	(97.00)
	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	Insurance Liability 1.34@2971.20					1.0000	3,981.00	3,981.00	
							Second Re	view Budget Totals	\$3,981.00	
001.060.000.39	9101 Transfer from Fund	i 101	.00	.00	31,282.00	33,616.00	33,616.00	33,616.00	34,585.00	969.00
	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	GIS IT Tech Support 11.64@2971.	20				1.0000	34,585.00	34,585.00	
							Second Re	view Budget Totals	\$34,585.00	
001.060.000.39	9120 Transfer from Fund	1 120	.00	.00	2,689.00	1,309.36	2,622.00	2,622.00	2,228.00	(394.00)
	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	Grand Victoria Casino Tech Suppor	t .75 @ 297	1.20			1.0000	2,228.00	2,228.00	
							Second Re	view Budget Totals	\$2,228.00	
	<u> </u>									



G/L Account Account Description	2020 A	ctual nount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund <b>001 - General Fund</b>			7 4110 4110	7 1110 4110	741104110	Dudget	Dadyot	Nonen Budget	2110 0110 200 1101
REVENUE									
Department 060 - Information Tec	chnologies								
Sub-Department 000 - Revenues									
Transfers In									
001.060.000.39127 Transfer from Fun	d 127	.00	.00	25,000.00	35,196.00	35,196.00	35,196.00	38,370.00	3,174.00
Budget Transactions									
Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
Second Review Budget	Judicial Technology Sales Tax 4.5@3	2971 20				1.0000	13,370.00	13,370.00	
Second Review Budget	Transfer from 127	L37 1.L0				1.0000	25,000.00	25,000.00	
Second Neview Budget							view Budget Totals	\$38,370.00	
001.060.000.39150 Transfer from Fun	d 150	.00	.00	.00	4,370.00	4,370.00	4,370.00	2,971.00	(1,399.00)
Transier from Fun	u 130	.00	.00	.00	4,570.00	4,570.00	4,570.00	2,371.00	(1,555.00)
Budget Transactions									
Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
Second Review Budget	IT Tech Support 1@\$2,971.20					1.0000	2,971.00	2,971.00	
						Second Re	view Budget Totals	\$2,971.00	
001.060.000.39160 Transfer from Fun	d 160	.00	.00	1,955.00	1,515.00	1,515.00	1,515.00	594.00	(921.00)
Budget Transactions									
Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
Second Review Budget	Vital Records Automation .2@2971.	20				1.0000	594.00	594.00	
						Second Re	view Budget Totals	\$594.00	
001.060.000.39197 Transfer from Fun	d 197	.00	.00	.00	2,913.00	2,913.00	2,913.00	2,913.00	.00
Budget Transactions									
Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
Second Review Budget	IT Tech Support 1 @ \$2,913.00					1.0000	2,913.00	2,913.00	
						Second Re	view Budget Totals	\$2,913.00	
001.060.000.39200 Transfer from Fun	d 200	.00	.00	25,137.00	.00	23,304.00	23,304.00	23,770.00	466.00
Budget Transactions									
Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
Second Review Budget	Court Automation 8@2971.20					1.0000	23,770.00	23,770.00	
						Second Re	view Budget Totals	\$23,770.00	



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G/L Account	Account Description		O Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund <b>001 - Genera</b> l		) ii	Amount	Amount	Amount	Amount	Dudget	buuget	Review budget	Ziiu diiu 15t Kev
REVENUE	1 (411)4									
	0 - Information Ted	chnologies								
	t 000 - Revenues	_								
Transfers In										
001.060.000.39201	Transfer from Fun	d 201	.00	.00	36,309.00	.00	37,869.00	37,869.00	11,885.00	(25,984.00)
Budge	t Transactions									
Leve	e/	Transaction					Number of Units	Cost Per Unit	Total Amount	
Seco	ond Review Budget	Court Document Storage 4@2971	20				1.0000	11,885.00	11,885.00	
							Second Re	view Budget Totals	\$11,885.00	
001.060.000.39202	Transfer from Fun	d 202	.00	.00	11,172.00	.00	11,652.00	11,652.00	5,942.00	(5,710.00)
Budge	t Transactions									
Leve	e/	Transaction					Number of Units	Cost Per Unit	Total Amount	
Seco	ond Review Budget	Child Support Fund 2@2971.20					1.0000	5,942.00	5,942.00	
							Second Re	view Budget Totals	\$5,942.00	
001.060.000.39203	Transfer from Fun	d 203	.00	.00	13,965.00	.00	14,565.00	14,565.00	8,914.00	(5,651.00)
Budge	t Transactions									
Leve		Transaction					Number of Units	Cost Per Unit	Total Amount	
Seco	ond Review Budget	Circuit Clerk Administration 3@29	71.20				1.0000	8,914.00	8,914.00	
							Second Re	view Budget Totals	\$8,914.00	
001.060.000.39204	Transfer from Fun	d 204	.00	.00	8,379.00	.00	8,739.00	8,739.00	5,942.00	(2,797.00)
Budge	t Transactions									
Leve		Transaction					Number of Units	Cost Per Unit	Total Amount	
Seco	ond Review Budget	Circuit Clerk Electronic Citation 20	@2971.20				1.0000	5,942.00	5,942.00	
							Second Re	view Budget Totals	\$5,942.00	
001.060.000.39250	Transfer from Fun	d 250	.00	.00	5,585.00	5,826.00	5,826.00	5,826.00	2,971.00	(2,855.00)
Budge	t Transactions									
Leve		Transaction					Number of Units	Cost Per Unit	Total Amount	
Seco	ond Review Budget	Law Library 1@2971.20					1.0000	2,971.00	2,971.00	
	J	, -					Second Re	view Budget Totals	\$2,971.00	
001.060.000.39269	Transfer from Fun	d 269	.00	.00	108,445.00	110,973.00	110,973.00	110,973.00	115,166.00	4,193.00
Budge	t Transactions									
Leve		Transaction					Number of Units	Cost Per Unit	Total Amount	
	ond Review Budget	Kane Comm 22@2971.20 - IT Su	pport				1.0000	65,366.00	65,366.00	
		2 : 2 : 3						,	,	



G/L Account Account Descript		2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund <b>001 - General Fund</b>	1011	Autodite	ranoane	Antodic	7 anounc	Duaget	Duaget	Review Budget	Ziid diid 15t itc
REVENUE									
Department 060 - Information To	echnologies								
Sub-Department 000 - Revenue	es								
Transfers In								_	
Second Review Budget	TX from 269 - KaneComm Fib	er Network Supp	ort			1.0000	49,800.00	49,800.00	
						Second Re	view Budget Totals	\$115,166.00	
001.060.000.39290 Transfer from Fu	nd 290	.00	.00	30,719.00	.00	37,869.00	37,869.00	38,626.00	757.00
Budget Transactions									
Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
Second Review Budget	Animal Control 13@2971.20					1.0000	38,626.00	38,626.00	
						Second Re	view Budget Totals	\$38,626.00	
001.060.000.39300 Transfer from Fu	nd 300	.00	.00	172,588.00	184,111.00	184,111.00	184,111.00	183,293.00	(818.00)
Budget Transactions									
Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
Second Review Budget	County Highway 36@2971.20					1.0000	106,963.00	106,963.00	
Second Review Budget	Transfer from Fund 300 - Kurl		cation			1.0000	76,330.00	76,330.00	
							view Budget Totals	\$183,293.00	
001.060.000.39302 Transfer from Fu	nd 302	.00	.00	92,169.00	104,868.00	104,868.00	104,868.00	109,934.00	5,066.00
Budget Transactions									
Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
Second Review Budget	Motor Fuel Tax 37@2971.20					1.0000	109,934.00	109,934.00	
Second Neview Budget	110tol 1 del 1 d. 37 @237 1120						view Budget Totals	\$109,934.00	
001.060.000.39350 Transfer from Fu	nd 350	.00	.00	175,936.00	180,606.00	180,606.00	180,606.00	191,345.00	10,739.00
Dudant Transactions									
Budget Transactions	Tues and atticate					Alimahan af Unita	Cook Don Unit	Tatal Amazumt	
Level	Transaction					Number of Units 1.0000	Cost Per Unit 191,345.00	Total Amount	
Second Review Budget	County Health 64.4@2971.20						view Budget Totals	191,345.00	
						Second Re		\$191,345.00	
001.060.000.39351 Transfer from Fu	nd 351	.00	.00	13,963.00	17,478.00	17,478.00	17,478.00	18,124.00	646.00
Budget Transactions									
Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
Second Review Budget	Kane Kares 6.1@2971.20					1.0000	18,124.00	18,124.00	
						Second Re	view Budget Totals	\$18,124.00	



C/I Assessed	2020 /		2021 Actual	2022 Actual	2023 Actual	2024 Submitted	2024 First Review	2024 Second	Change between
G/L Account Account Descriptio Fund 001 - General Fund	nAl	mount	Amount	Amount	Amount	Budget	Budget	Review Budget	2nd and 1st Rev
REVENUE	huslagias								
Department 060 - Information Tec	-								
Sub-Department <b>000 - Revenues</b> <i>Transfers In</i>									
001.060.000.39355 Transfer from Fund	d 355	.00	.00	.00	5,826.00	5,826.00	5,826.00	5,942.00	116.00
			.00	.00	3,020.00	5,020.00	5,020.00	3,5 .2.00	110.00
Budget Transactions									
Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
Second Review Budget	IT Tech Support 2 @ \$2,971.20					1.0000	5,942.00	5,942.00	
						Second Re	view Budget Totals	\$5,942.00	
001.060.000.39380 Transfer from Fund	d 380	.00	.00	.00	12,368.00	12,368.00	12,368.00	.00	(12,368.00)
001.060.000.39400 Transfer from Fund	d 400	.00	.00	.00	4,370.00	4,370.00	4,370.00	2,228.00	(2,142.00)
Dudget Transactions									
Budget Transactions <i>Level</i>	Transaction					Number of Units	Cost Per Unit	Total Amount	
Second Review Budget	IT Tech Support 0.75 @ \$2,971.20					1.0000	2,228.00	2,228.00	
Second Review Budget	11 Tech Support 0.73 @ \$2,971.20						view Budget Totals	\$2,228.00	
001.060.000.39401 Transfer from Fund	d 401	.00	.00	6,721.00	3,341.71	2,330.00	2,330.00	7,279.00	4,949.00
Budget Transactions									
Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
Second Review Budget	CDBG 2.45@2971.20					1.0000	7,279.00	7,279.00	
						Second Re	view Budget Totals	\$7,279.00	
001.060.000.39402 Transfer from Fund	d 402	.00	.00	2,390.00	1,954.26	2,622.00	2,622.00	2,823.00	201.00
				,	,	,	•	,	
Budget Transactions									
Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
Second Review Budget	HOME .95@2913					1.0000	2,823.00	2,823.00	
						Second Re	view Budget Totals	\$2,823.00	
001.060.000.39404 Transfer from Fund	d 404	.00	.00	2,688.00	2,306.02	2,622.00	2,622.00	4,902.00	2,280.00
Budget Transactions									
Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
Second Review Budget	Homeless Management 1.65@2971	.20				1,0000	4,902.00	4,902.00	
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2							view Budget Totals	\$4,902.00	
001 060 000 20406 Transfer from 5	4 406	.00	.00	00	.00				(146.00)
001.060.000.39406 Transfer from Fund	u <del>1</del> 00	.00	.00	.00	.00	146.00	146.00	.00	(146.00)



G/L Account	Account Description	n	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund <b>001 - Genera</b>										
REVENUE										
Department 060	0 - Information Tec	hnologies								
Sub-Departmen	t 000 - Revenues									
Transfers In										
001.060.000.39409	Transfer from Fund	d 409	.00	.00	1,344.00	1,074.87	1,311.00	1,311.00	1,634.00	323.00
Budae	t Transactions									
Leve		Transaction					Number of Units	Cost Per Unit	Total Amount	
Seco	ond Review Budget	Continuum of Care Plannin	a 0.55@2971.20				1.0000	1,634.00	1,634.00	
			J					view Budget Totals	\$1,634.00	
001.060.000.39410	Transfer from Fund	i 410	.00	.00	3,137.00	1,035.77	3,059.00	3,059.00	4,011.00	952.00
Rudge	et Transactions									
Leve		Transaction					Number of Units	Cost Per Unit	Total Amount	
	ond Review Budget	Elgin CDBG 1.35@2971.20					1.0000	4,011.00	4,011.00	
Sec	ond Neview Baaget	Ligiti CDDG 1.35@257 1.20						view Budget Totals	\$4,011.00	
	T	1.412				1.016.21				2.074.00
001.060.000.39412	Transfer from Fund	1 412	.00	.00	.00	1,016.21	.00	.00	2,971.00	2,971.00
Budge	t Transactions									
Leve	rel	Transaction					Number of Units	Cost Per Unit	Total Amount	
Seco	ond Review Budget	Emergency Rental Assistar	ice 1 @ 2971.20				1.0000	2,971.00	2,971.00	
							Second Re	view Budget Totals	\$2,971.00	
001.060.000.39413	Transfer from Fund	d 413	.00	.00	.00	175.88	.00	.00	1,188.00	1,188.00
Budge	t Transactions									
Leve	rel	Transaction					Number of Units	Cost Per Unit	Total Amount	
Seco	ond Review Budget	CDBG-CV 0.4 @ 2971.20					1.0000	1,188.00	1,188.00	
							Second Re	view Budget Totals	\$1,188.00	
001.060.000.39414	Transfer from Fund	1 414	.00	.00	.00	703.51	.00	.00	5,051.00	5,051.00
Budge	t Transactions									
Lev	rel	Transaction					Number of Units	Cost Per Unit	Total Amount	
Seco	ond Review Budget	Home-ARP 1.7 @ 2971.20					1.0000	5,051.00	5,051.00	
							Second Re	view Budget Totals	\$5,051.00	
001.060.000.39415	Transfer from Fund	1 415	.00	.00	8,962.00	2,716.41	8,739.00	8,739.00	.00	(8,739.00)



G/L Account	Account Descriptio	n	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund <b>001 - 0</b>	<del></del>									
REVENUE										
Departmer	nt 060 - Information Tec	hnologies								
Sub-Den	partment 000 - Revenues	-								
Transfers	In									
001.060.000.39	9420 Transfer from Fund	1 420	.00	.00	279.00	262.00	262.00	262.00	267.00	5.00
	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	Stormwater Managemen	nt .09@2971.20				1.0000	267.00	267.00	
							Second Re	view Budget Totals	\$267.00	
001.060.000.39	9430 Transfer from Fund	1 430	.00	.00	1,396.00	3,641.00	3,641.00	3,641.00	2,228.00	(1,413.00)
	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	Farmland Preservation (	0.75@2971.20				1.0000	2,228.00	2,228.00	
							Second Re	view Budget Totals	\$2,228.00	
001.060.000.39	9520 Transfer from Fund	1 520	.00	.00	3,351.00	23,496.00	23,496.00	23,496.00	23,090.00	(406.00)
	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	BLD/ITD Admin Support	t Services				1.0000	20,000.00	20,000.00	
	Second Review Budget	Mill Creek Special Service	ce Area 1.04@2971.20				1.0000	3,090.00	3,090.00	
							Second Re	view Budget Totals	\$23,090.00	
001.060.000.39	9650 Transfer from Fund	1 650	.00	.00	1,788.00	1,864.00	1,864.00	1,864.00	1,010.00	(854.00)
	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	Enterprise Surcharge .3	4@2971.20				1.0000	1,010.00	1,010.00	
							Second Re	view Budget Totals	\$1,010.00	
		Transfers In Totals	\$767,608.00	\$767,608.00	\$790,924.00	\$770,489.00	\$912,304.00	\$912,304.00	\$883,656.00	(\$28,648.00)
	Sub-Department 00	00 - Revenues Totals	\$1,018,312.79	\$1,114,650.10	\$1,151,771.62	\$1,017,750.98	\$1,251,913.00	\$1,251,913.00	\$1,092,997.00	(\$158,916.00)
Depar	rtment 060 - Information	Technologies Totals	\$1,018,312.79	\$1,114,650.10	\$1,151,771.62	\$1,017,750.98	\$1,251,913.00	\$1,251,913.00	\$1,092,997.00	(\$158,916.00)
		REVENUE TOTALS	\$1,018,312.79	\$1,114,650.10	\$1,151,771.62	\$1,017,750.98	\$1,251,913.00	\$1,251,913.00	\$1,092,997.00	(\$158,916.00)



G/L Account Account Descriptio	2020 A n Ar	ctual 202 nount	21 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund 001 - General Fund									
EXPENSE									
Department 060 - Information Tec	hnologies								
Sub-Department 060 - Information	on Technologies								
Personnel Services- Salaries & Wages									
Regular Employees									
001.060.060.40000 Salaries and Wage	s 2,777,8	57.76 2,79	99,147.05	2,945,311.38	2,140,084.80	2,853,336.00	3,018,137.00	3,018,137.00	.00
Position Transactions									
Level	Position		T	ype	Code			Total Amount	
Second Review Budget	906011001 - Executive Director IT/E	ldg Mgmt	E	arnings				97,780.00	
Second Review Budget	906011020 - Communications Analy	st	Ea	arnings				66,950.00	
Second Review Budget	906012001 - Administration Director		Ea	arnings				87,551.00	
Second Review Budget	906012002 - Applications Director		Ea	arnings				130,067.00	
Second Review Budget	906012003 - Chief Info Security Offi	cer	Ea	arnings				120,019.00	
Second Review Budget	906012004 - Network Services Direc	tor	Ea	arnings				126,894.00	
Second Review Budget	906012009 - Computer Services Mai	nager	Ea	arnings				90,878.00	
Second Review Budget	906012014 - Web Developer II		Ea	arnings				70,041.00	
Second Review Budget	906012018 - Database Administrato	r II	Ea	arnings				91,598.00	
Second Review Budget	906012019 - Computer Services Dire	ector	Ea	arnings				128,237.00	
Second Review Budget	906012020 - Network Administrator	III	Ea	arnings				86,150.00	
Second Review Budget	906012024 - Desktop Support Analy	st I	Ea	arnings				40,000.00	
Second Review Budget	906012027 - Systems Administrator	Lead	Ea	arnings				82,701.00	
Second Review Budget	906012028 - Sharepoint Administrat	or Lead	Ea	arnings				100,001.00	
Second Review Budget	906012029 - Network Administrator	I	Ea	arnings				58,853.00	
Second Review Budget	906012033 - Desktop Support Lead		Ea	arnings				64,800.00	
Second Review Budget	906012038 - Desktop Support Analy	st Lead	Ea	arnings				64,800.00	
Second Review Budget	906012040 - Desktop Support Analy	st II		arnings				59,634.00	
Second Review Budget	906012041 - Technical Coordinator		Ea	arnings				80,387.00	
Second Review Budget	906012043 - ERP Lead		Ea	arnings				66,950.00	
Second Review Budget	906012046 - Desktop Support Analy			arnings				45,001.00	
Second Review Budget	906012047 - Desktop Support Analy	st II		arnings				55,000.00	
Second Review Budget	906012048 - Web Developer Lead			arnings				96,001.00	
Second Review Budget	906012049 - Web Developer I			arnings				55,000.00	
Second Review Budget	906012050 - Web Developer Project	Coordinato		arnings				71,665.00	
Second Review Budget	906012051 - Web Developer II			arnings				80,001.00	
Second Review Budget	906012072 - Desktop Support Analy			arnings				40,000.00	
Second Review Budget	906012073 - Spatial Solutions Office			arnings				69,478.00	
Second Review Budget	906012074 - System Administrator I			arnings				62,683.00	
Second Review Budget	906012075 - System Administrator I	11		arnings				70,909.00	
Second Review Budget	906012079 - Laserfiche Lead		E	arnings				60,000.00	



2024 Second	2024 First Review	2024 Submitted	2023 Actual	2022 Actual	2021 Actual	2020 Actual	1	Account Description	G/L Account
Review Budget	Duaget	Duaget	Amount	Amount	Amount	Amount			Fund <b>001 - Gen</b>
									EXPENSE
							nnologies	060 - Information Tec	Department
							n Technologies	tment 060 - Information	Sub-Departi
								rvices- Salaries & Wages	
								nployees	Regular Em
				-		•		Second Review Budget	
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				3		•		5	
				•			•	•	
	. <u>.</u> <del></del>			arnings	E	yst I	906019801 - Data Analy	Second Review Budget	,
\$3,018,137.00	view Budget Totals	Second Rev							
.00	.00	.00	.00	(83,000.76)	(131,546.93)	(181,934.77)	· <u> </u>	_	001.060.060.40009
\$3,018,137.00	\$3,018,137.00	\$2,853,336.00	\$2,140,084.80	\$2,862,310.62	\$2,667,600.12	\$2,595,932.99	ular Employees Totals	5	0 " 0
F0 1F0 00	F0.1F0.00	E0 1E0 00	20 272 24	27.265.71	20 546 24	42 502 60			Overtime Sa
50,150.00	50,150.00	50,150.00	29,272.21	37,265.71	30,546.34	43,503.68		Overtime Salaries	001.060.060.40200
								udget Transactions	Bu
Total Amount	Cost Per Unit	Number of Units					Transaction	Level	
29,720.00	29,720.00	1.0000					1080Election Support	Second Review Budget	,
20,280.00	130.00	156.0000					After Hours Support	Second Review Budget	,
150.00	50,000.00	.0030					Payroll Accrual	Second Review Budget	,
\$50,150.00	view Budget Totals	Second Rev							
\$50,150.00	\$50,150.00	\$50,150.00	\$29,272.21	\$37,265.71	\$30,546.34	\$43,503.68	vertime Salaries Totals	Oi	
									Other
.00	.00	98,422.00	.00	.00	.00	.00	ncrease	Non-Union Wage I	001.060.060.40002
								udget Transactions	Bu
Total Amount	Cost Per Unit	Number of Units					Transaction	Level	
						. 14/ -	A 5/22 No. 11	Casand Davison Budash	
294.00	98,128.00	.0030				nion Wage Increases	Accrual on FY23 Non Ui	Second Review Budget	
	•	.0030 1.0000				•		Second Review Budget Second Review Budget	
294.00 (98,422.00) 98,128.00	98,128.00 (98,422.00) 98,128.00					NU Wage Inc/Accrual	Finance: Remove FY23 FY23 Non Union Wage	_	:
	65,000.00 82,643.00 147,903.00 47,501.00 53,560.00 51,501.00 39,999.00 55,000.00 \$3,018,137.00  .00  *3,018,137.00  7otal Amount 29,720.00 20,280.00 150.00 \$50,150.00  \$50,150.00  .00	Budget   Review Budget	Budget   Budget   Review Budget	Amount Budget Budget Review Budget    65,000.00     82,643.00     147,903.00     47,501.00     53,560.00     51,501.00     39,999.00     55,000.00     \$3,018,137.00     \$3,018,137.00     \$2,140,084.80   \$2,853,336.00     \$3,018,137.00     \$29,272.21   \$50,150.00     \$50,150.00     \$50,150.00     \$29,720.00     \$29,720.00     \$29,720.00     \$29,720.00     \$29,720.00     \$29,720.00     \$29,720.00     \$29,720.00     \$29,720.00     \$29,720.00     \$29,720.00     \$29,720.00     \$29,720.00     \$29,720.00     \$29,720.00     \$29,720.00     \$29,720.00     \$29,720.00     \$29,720.00     \$20,280.0	Amount Amount Budget Budget Review Budget  armings	Earnings   65,000.00     Earnings   82,643.00     Earnings   147,903.00     Earnings   47,501.00     Earnings   55,001.00     Earnings   53,560.00     Earnings   51,501.00     Earnings   51,501.00     Earnings   55,000.00     Earnings   51,501.00     Earnings   55,000.00     Earnings   51,501.00     Earnings   55,000.00     Earnings   51,501.00     Earnings   55,000.00     Earnings   50,000.00     Earnings   50,000.	Amount   Amount   Amount   Amount   Budget   Budget   Review Budget	Amount   Amount   Amount   Amount   Amount   Amount   Budget   Budget   Review Budget	Amount   Amount



· · · · · · · · · · · · · · · · · · ·			2020 Actual	2021 Actual	2022 Actual	2023 Actual	2024 Submitted	2024 First Review	2024 Second	Change between
G/L Account	Account Description	on	Amount	Amount	Amount	Amount	Budget	Budget	Review Budget	2nd and 1st Rev
Fund <b>001 - Gene</b>	ral Fund									
EXPENSE										
•	060 - Information Tec	-								
· ·	ent 060 - Informati	on Technologies								
	ices- Salaries & Wages									
Other 001.060.060.40005	New Position Budo	act Mayad to	.00	.00	.00	.00	(225,000.00)	.00	.00	.00
001.060.060.40005	Contingency	get Moved to	.00	.00	.00	.00	(225,000.00)	.00	.00	.00
Bud	get Transactions									
Le	evel	Transaction					Number of Units	Cost Per Unit	Total Amount	
	econd Review Budget	Desktop Support Analyst					1.0000	(55,000.00)	(55,000.00)	
	econd Review Budget	Finance Add back 8.10.23					1.0000	225,000.00	225,000.00	
	econd Review Budget	Network Administrator					1.0000	(65,000.00)	(65,000.00)	
	econd Review Budget	Receptionist					1.0000	(40,000.00)	(40,000.00)	
Se	econd Review Budget	Web Developer					1.0000	(65,000.00)	(65,000.00)	
							Second Re	eview Budget Totals	\$0.00	
		Other Totals	\$0.00	\$0.00	\$0.00	\$0.00	(\$126,578.00)	\$0.00	\$0.00	\$0.00
	Personnel Services- Se	Salaries & Wages Totals	\$2,639,436.67	\$2,698,146.46	\$2,899,576.33	\$2,169,357.01	\$2,776,908.00	\$3,068,287.00	\$3,068,287.00	\$0.00
	ices- Employee Benefits									
Group Insura										
001.060.060.45000	Healthcare Contrib	oution	447,385.37	477,542.38	509,801.07	428,085.30	652,081.00	652,081.00	.00	(652,081.00
001.060.060.45009	Healthcare Subsid	у	(29,958.71)	(20,483.10)	(12,586.96)	.00	.00	.00	.00	.00
001.060.060.45010	Dental Contributio	n	13,105.06	13,592.81	14,089.23	10,419.67	16,036.00	16,036.00	.00	(16,036.00)
001.060.060.45019	Dental Subsidy		(989.98)	(600.72)	(324.00)	.00	.00	.00	.00	.00
		Group Insurance Totals	\$429,541.74	\$470,051.37	\$510,979.34	\$438,504.97	\$668,117.00	\$668,117.00	\$0.00	(\$668,117.00)
	Personnel Services- En	nployee Benefits Totals	\$429,541.74	\$470,051.37	\$510,979.34	\$438,504.97	\$668,117.00	\$668,117.00	\$0.00	(\$668,117.00)
Contractual Ser	vices									
Purchased Pr	rofessional and Technica	al Services								
Professiona	al									
001.060.060.50150	Contractual/Consu	ılting Services	142,704.93	169,638.99	191,551.83	141,518.40	441,284.00	441,284.00	441,284.00	.00
Rud	lget Transactions									
	evel	Transaction					Number of Units	Cost Per Unit	Total Amount	
	econd Review Budget	Alarm Detection					1.0000	20,000.00	20,000.00	
	econd Review Budget	Consulting Services Gener	al .				1.0000	168,000.00	168,000.00	
	econd Review Budget	Data Center Cleaning	<b></b> .				1.0000	1,800.00	1,800.00	
	econd Review Budget	Data Center Co-Location					1.0000	105,584.00	105,584.00	
	econd Review Budget	Generator Preventative M	aintenance Services				1.0000	5,000.00	5,000.00	
	econd Review Budget	Generator Repairs Time a					1.0000	5,000.00	5,000.00	
	econd Review Budget	Iron Mountain	ideorals				1.0000	15,000.00	15,000.00	
	coons review budget	2.0.71104114411					1.0000	13,000.00	13,000.00	



G/L Account	Account Description	n	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund <b>001 - G</b> e	eneral Fund	'								
EXPENSE										
Department	060 - Information Tec	hnologies								
Sub-Depa Contractual	artment <b>060 - Informatio</b> <i>Services</i>	on Technologies								
Purchased	d Professional and Technical	Services								
Profess	sional									
	Second Review Budget	Online Meeting Services					1.0000	20,000.00	20,000.00	
	Second Review Budget	Phone & Exchange Upgr	ade Support				1.0000	25,000.00	25,000.00	
	Second Review Budget	Summer Contractors					1.0000	10,000.00	10,000.00	
	Second Review Budget	Temporary Staffing					1.0000	55,000.00	55,000.00	
	Second Review Budget	Therm-Flo HVAC Data C	enters ITD & JUD				1.0000	10,900.00	10,900.00	
							Second Re	view Budget Totals	\$441,284.00	
001.060.060.502	235 Public Health Servi	ces - Coronavirus	.00	.00	40,590.00	.00	.00	.00	.00	.00
Taskai	ind.	Professional Totals	\$142,704.93	\$169,638.99	\$232,141.83	\$141,518.40	\$441,284.00	\$441,284.00	\$441,284.00	\$0.00
Technic 001.060.060.503		Cost	1,883.00	230.38	.00	75.58	.00	.00	.00	.00
		Technical Totals	\$1,883.00	\$230.38	\$0.00	\$75.58	\$0.00	\$0.00	\$0.00	\$0.00
Pur	rchased Professional and Tec		\$144,587.93	\$169,869.37	\$232,141.83	\$141,593.98	\$441,284.00	\$441,284.00	\$441,284.00	\$0.00
	d Property Services	sinnear berindes retails	Ψ11.1/00/100	4203/003.07	4202/112100	Ψ1.1/050.50	Ψ	ψ , 2 ο ο ο	ψ · · · · · /20 · · · · · · ·	Ψ0.00
	and Maintenance Services									
001.060.060.521		Computers	34,042.78	60,474.89	58,170.17	2,436.53	245,601.00	245,601.00	245,601.00	.00
	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	Backup Maintenance					1.0000	23,000.00	23,000.00	
	Second Review Budget	Barracuda Mail Archiver					1.0000	1.00	1.00	
	Second Review Budget	Data Storage Maintenan	ce				1.0000	150,000.00	150,000.00	
	Second Review Budget	Load Balancer Maintena		2			1.0000	4,000.00	4,000.00	
	Second Review Budget	Load Balancer Maintena	-				2.0000	4,000.00	8,000.00	
	Second Review Budget	Physical Server Warranti	•				1.0000	35,000.00	35,000.00	
	Second Review Budget	UPS Battery Maintenano					1.0000	20,000.00	20,000.00	
	Second Review Budget	UPS Maintenance	- ( )				1.0000	5,600.00	5,600.00	
								view Budget Totals	\$245,601.00	
001.060.060.521	L40 Repairs and Maint-	Copiers	.00	.00	.00	.00	7,500.00	7,500.00	7,500.00	.00
	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	Copier & Scanner Mainte	enance - ITD				1.0000	7,500.00	7,500.00	
		,						view Budget Totals	\$7,500.00	
-										



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G/L Account	Account Description	nn.	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund <b>001 - Gener</b>	<del></del>	) II	Amount	Amount	Amount	Amount	buuget	Duuget	Review budget	Ziiu aliu 15t Ke
EXPENSE										
	60 - Information Tec	chnologies								
	ent 060 - Informati									
Contractual Serv										
Purchased Pro	pperty Services									
Repair and	Maintenance Services									
001.060.060.52150	Repairs and Maint-	- Comm Equip	51,205.17	36,764.90	119,590.79	28,549.81	110,004.00	110,004.00	110,004.00	.00
Budg	get Transactions									
	evel	Transaction					Number of Units	Cost Per Unit	Total Amount	
Se	cond Review Budget	Maintenance for Wired Ne	twork				1.0000	50,000.00	50,000.00	
Se	cond Review Budget	Maintenance for Wireless I	Network				1.0000	30,004.00	30,004.00	
Se	cond Review Budget	Misc Comm Equipment					1.0000	30,000.00	30,000.00	
							Second Re	eview Budget Totals	\$110,004.00	
001.060.060.52230	Repairs and Maint	- Vehicles	2,731.11	2,430.04	1,552.96	56.73	4,000.00	4,000.00	4,000.00	.00
Budg	get Transactions									
Le	evel	Transaction					Number of Units	Cost Per Unit	Total Amount	
Se	cond Review Budget	Vehicle Maintenance					1.0000	4,000.00	4,000.00	
							Second Re	eview Budget Totals	\$4,000.00	
001.060.060.52240	Repairs and Maint-	- Office Equip	.00	683.10	.00	.00	.00	.00	.00	.00
	,	enance Services Totals	\$87,979.06	\$100,352.93	\$179,313.92	\$31,043.07	\$367,105.00	\$367,105.00	\$367,105.00	\$0.00
		roperty Services Totals	\$87,979.06	\$100,352.93	\$179,313.92	\$31,043.07	\$367,105.00	\$367,105.00	\$367,105.00	\$0.00
Other Purchas	sed Services									
Advertising	Company Advantisin	_	00	66.50	00	4.662.00	1 500 00	1 500 00	1 500 00	0.0
001.060.060.53040	General Advertisin	g	.00	66.50	.00	4,662.00	1,500.00	1,500.00	1,500.00	.00
Budg	get Transactions									
	evel	Transaction					Number of Units	Cost Per Unit	Total Amount	
Se	econd Review Budget	Newspaper RFP Public Not	rices				1.0000	1,500.00	1,500.00	
							Second Re	eview Budget Totals	\$1,500.00	
		Advertising Totals	\$0.00	\$66.50	\$0.00	\$4,662.00	\$1,500.00	\$1,500.00	\$1,500.00	\$0.00
<i>Travel</i> 001.060.060.53100	Conferences and N	Meetings	7,644.71	29,270.01	19,154.59	12,249.64	57,200.00	59,400.00	59,400.00	.00
D	act Transactions		•			-	•	•		
	get Transactions	Transaction					Number of Units	Cost Par Unit	Total Amount	
	evel	Transaction Conference & Meetings					Number of Units 1.0000	Cost Per Unit	Total Amount	
Ca		COMPLEME & MERTINGS					1.0000	59,400.00	59,400.00	
Se	econd Review Budget	comercine a ricedings					Canada Da	eview Budget Totals	\$59,400.00	



Sch Account   Amount   Amount   Amount   Amount   Amount   Amount   Budget   Budget   Review Budget   2nd and 1st Review   18	***************************************										
Price   100   - General Fund   100   - Information Technologies   100   - Information   100   - Information Technologies   100   - Information Technologies   100   - Information Technologies   100   - Information   1	G/L Account	Account Description	nn								Change between
Department   060 - Information Technologies   Sub-Department   060 - Information   0			<u></u>	Amount	Amount	Amount	Amount	Duaget	Duaget	Review Budget	Zilu dilu 15t KCV
Sub-Department   Oil   Oil   Information   Technologies   Contractual Services   Contract	EXPENSE										
Sub-Department   Oil   Oil   Information   Technologies   Contractual Services   Contract		50 - Information Te	chnologies								
Discrimination   Disc			_								
## Part	Contractual Servi	ices									
Description   Employee Training   S2,629.12   14,034.00   9,588.89   1,525.19   41,000.00   41,000.00   41,000.00   41,000.00   0.00	Other Purchase	ed Services									
Budget Transactions											
Level	001.060.060.53110	Employee Training		52,629.12	14,034.00	9,588.89	1,525.19	41,000.00	41,000.00	41,000.00	.00
Second Review Budget   Cybersecurity Awareness Training & Phishing   1.0000   1.500.0	Budge	et Transactions									
Second Review Budget   Cybersecurity Awareness Training & Phishing   1.0000   8,000.00   4,500.00	Lei	vel	Transaction					Number of Units	Cost Per Unit	Total Amount	
Second Review Budget	Sec	cond Review Budget	Books/Materials					1.0000	1,500.00		
Second Review Budget		•	Cybersecurity Awareness T	raining & Phishing					•		
Second Review Budget   Pluralsight   Second Review Budget   Security Training   1.0000   12,000.00	Sec	cond Review Budget	Developer Training					1.0000			
Second Review Budget   Security Training   Second Review Budget   Server Systems Training   Second Review Budget   Server Systems Training   Second Review Budget   Server Systems Training   Second Review Budget   SellSets Online   Second Review Budget   SellSets Online   Second Review Budget   SellSets Online   Second Review Budget   Secon	Sec	cond Review Budget	IT PMI Certification					2.0000	•	·	
Second Review Budget   Server Systems Trains   Second Review Budget   SkillSets Online		5	•						•		
Second Review Budget   SkillSets Online   1,0000   3,000.00   5		_	, -						•	·	
Second Review Budget Totals   Second Review Budget Transaction   Second Review Budget Totals   Second Review Budget Full Review Budge		_									
Dots	Sec	cond Review Budget	SkillSets Online						·		
Budget Transactions								Second Re	view Budget Totals	\$41,000.00	
Leve   Transaction   Second Review Budget   Employee Mileage Expense   Second Review Budget   Employee Mileage Expense   Second Review Budget   Employee Mileage Expense   Second Review Budget   Total   Second Review Budget   Total   Second Review Budget   Total   Second Review Budget   Total   Second Review Budget	001.060.060.53120	Employee Mileage	Expense	933.95	862.31	1,485.10	290.67	3,000.00	3,000.00	3,000.00	.00
Second Review Budget   Employee Mileage Expense   1.000   3,000.00   3,000	Budge	et Transactions									
Travel Totals   \$61,207.78   \$44,166.32   \$30,228.58   \$14,065.50   \$101,200.00   \$103,400.00   \$103,400.00   \$0.00	Lei	vel	Transaction					Number of Units	Cost Per Unit	Total Amount	
Travel Totals   \$61,207.78   \$44,166.32   \$30,228.58   \$14,065.50   \$101,200.00   \$103,400.00   \$103,400.00   \$0.00	Sec	cond Review Budget	Employee Mileage Expense	!				1.0000	3,000.00	3,000.00	
Other 001.060.060.53130         General Association Dues         120.00         .00         285.00         .00         4,000.00         <								Second Re	view Budget Totals	\$3,000.00	
001.060.060.53130 General Association Dues 120.00 0.00 285.00 0.00 4,000.00 0.00 0.00 0.00 0.00 0.	24		Travel Totals	\$61,207.78	\$44,166.32	\$30,228.58	\$14,065.50	\$101,200.00	\$103,400.00	\$103,400.00	\$0.00
Other Totals         \$120.00         \$0.00         \$285.00         \$0.00         \$4,000.00         \$0.00 </td <td></td> <td>General Association</td> <td>on Dues</td> <td>120.00</td> <td>00</td> <td>285.00</td> <td>00</td> <td>4 000 00</td> <td>00</td> <td>00</td> <td>.00</td>		General Association	on Dues	120.00	00	285.00	00	4 000 00	00	00	.00
Other Purchased Services Totals         \$61,327.78         \$44,232.82         \$30,513.58         \$18,727.50         \$106,700.00         \$104,900.00         \$104,900.00         \$0.00           Commodities         \$293,894.77         \$314,455.12         \$441,969.33         \$191,364.55         \$915,089.00         \$913,289.00         \$90.00           Commodities         General Supplies         \$293,894.77         \$19,231.71         25,281.53         7,430.54         20,000.00         27,300.00         27,300.00         .00           Budget Transactions         Level         Transaction         Number of Units         Cost Per Unit         Total Amount           Second Review Budget         Furniture         1.0000         5,000.00         5,000.00	001.000.000.00100	00.10.0.7.0000.00.0									
Contractual Services Totals \$293,894.77 \$314,455.12 \$441,969.33 \$191,364.55 \$915,089.00 \$913,289.00 \$913,289.00 \$0		Other Pu									· ·
Commodities   General Supplies   12,983.77   19,231.71   25,281.53   7,430.54   20,000.00   27,300.00   27,300.00   27,300.00   .00				<u>'</u>							\$0.00
001.060.060.60000 Office Supplies 12,983.77 19,231.71 25,281.53 7,430.54 20,000.00 27,300.00 27,300.00 .00    Budget Transactions	Commodities			4-00/00	, , , , , , , , , , , , , , , , , , ,	4 = /2	4===/==	4/	40-0/	41-0,-0110	75.55
Budget Transactions  Level Transaction Number of Units Cost Per Unit Total Amount  Second Review Budget Furniture 1.0000 5,000.00 5,000.00	General Suppli	ies									
Level Transaction Number of Units Cost Per Unit Total Amount Second Review Budget Furniture 1.0000 5,000.00 5,000.00	001.060.060.60000	Office Supplies		12,983.77	19,231.71	25,281.53	7,430.54	20,000.00	27,300.00	27,300.00	.00
Level Transaction Number of Units Cost Per Unit Total Amount Second Review Budget Furniture 1.0000 5,000.00 5,000.00	Budge	et Transactions									
			Transaction					Number of Units	Cost Per Unit	Total Amount	
		_							•	·	



	202		2024 A	2022 4 4 4	2022 4	202461	2024 51 + 5	2024.6	
G/L Account Account Description	202	0 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund 001 - General Fund									
EXPENSE									
Department 060 - Information Technol	ogies								
Sub-Department <b>060 - Information Te</b>	chnologies								
Commodities General Supplies									
**	iform					1.0000	2,300.00	2,300.00	
Second Neview Budget On	1101111						eview Budget Totals	\$27,300.00	
001.060.060.60020 Computer Related Supp	lies 2	9,654.97	38,851.13	36,771.20	23,311.11	55,450.00	55,450.00	55,450.00	.00
Budget Transactions									
Level Tra	ansaction					Number of Units	Cost Per Unit	Total Amount	
Second Review Budget Ge	neral Computer Related Suppli	ies				1.0000	55,450.00	55,450.00	
						Second Re	view Budget Totals	\$55,450.00	
001.060.060.60050 Books and Subscriptions	i	1,510.43	1,387.25	329.74	332.60	2,000.00	.00	.00	.00
001.060.060.60060 Computer Software- No	n Capital	1,212.26	.00	.00	.00	.00	.00	.00	.00
001.060.060.60110 Printing Supplies	3	6,360.18	17,498.27	22,497.30	14,859.03	36,000.00	36,000.00	36,000.00	.00
Budget Transactions									
Level Tra	ansaction					Number of Units	Cost Per Unit	Total Amount	
Second Review Budget Pri	nting Supplies					1.0000	36,000.00	36,000.00	
						Second Re	view Budget Totals	\$36,000.00	
001.060.060.60265 Public Health Commodit	ies - Coronavirus	.00	93.50	2,534.67	4,960.20	.00	.00	.00	.00
	al Supplies Totals \$8	1,721.61	\$77,061.86	\$87,414.44	\$50,893.48	\$113,450.00	\$118,750.00	\$118,750.00	\$0.00
Energy Gasoline									
001.060.060.63040 Fuel- Vehicles		1,083.79	1,805.01	2,692.28	1,708.34	5,000.00	4,000.00	4,000.00	.00
Budget Transactions									
	ansaction					Number of Units	Cost Per Unit	Total Amount	
Second Review Budget Fu	el Vehicles					1.0000	4,000.00	4,000.00	
						Second Re	view Budget Totals	\$4,000.00	
	Gasoline Totals \$	1,083.79	\$1,805.01	\$2,692.28	\$1,708.34	\$5,000.00	\$4,000.00	\$4,000.00	\$0.00
		1,083.79	\$1,805.01	\$2,692.28	\$1,708.34	\$5,000.00	\$4,000.00	\$4,000.00	\$0.00
	Litergy rotals \$		7-/						
Telephone and Cellphone	Lifergy rotals 4	,	4-/00000	. ,					
Telephone and Cellphone 001.060.060.64000 Telephone	Lifely rotals \$\psi\$	.00	152.28	.00	.00	.00	.00	.00	.00



G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund <b>001 - Genera</b>		Tunodite	Timodic	Timodic	7 in odne	Buaget	Dauget	Review Baaget	Zita dita 150 NOV
EXPENSE									
Department 06	0 - Information Technologies								
Sub-Departmer Commodities	nt 060 - Information Technologies								
Other	Office Foundhouse New Constant	2 440 00	2 500 02	1 006 22	00	2 500 00	00	00	00
001.060.060.60570	Office Furniture - Non-Capital	3,449.90	2,599.93	1,806.23	.00	2,500.00	.00	.00	.00
	Other Totals	\$3,449.90	\$2,599.93	\$1,806.23	\$0.00	\$2,500.00	\$0.00	\$0.00	\$0.00
	Commodities Totals	\$86,255.30	\$81,619.08	\$91,912.95	\$52,601.82	\$120,950.00	\$122,750.00	\$122,750.00	\$0.00
Sub-Depart		\$3,449,128.48	\$3,564,272.03	\$3,944,437.95	\$2,851,828.35	\$4,481,064.00	\$4,772,443.00	\$4,104,326.00	(\$668,117.00)
Department	Totals _ <b>060 - Information Technologies</b> Totals	\$3,449,128.48	\$3,564,272.03	\$3,944,437.95	\$2,851,828.35	\$4,481,064.00	\$4,772,443.00	\$4,104,326.00	(\$668,117.00)
Берагипенс	EXPENSE TOTALS	\$3,449,128.48	\$3,564,272.03	\$3,944,437.95	\$2,851,828.35	\$4,481,064.00	\$4,772,443.00	\$4,104,326.00	(\$668,117.00)
	Fund 001 - General Fund Totals								
	REVENUE TOTALS	\$1,018,312.79	\$1,114,650.10	\$1,151,771.62	\$1,017,750.98	\$1,251,913.00	\$1,251,913.00	\$1,092,997.00	(\$158,916.00)
	EXPENSE TOTALS	\$3,449,128.48	\$3,564,272.03	\$3,944,437.95	\$2,851,828.35	\$4,481,064.00	\$4,772,443.00	\$4,104,326.00	(\$668,117.00)
	Fund <b>001 - General Fund</b> Totals	(\$2,430,815.69)	(\$2,449,621.93)	(\$2,792,666.33)	(\$1,834,077.37)	(\$3,229,151.00)	(\$3,520,530.00)	(\$3,011,329.00)	\$509,201.00
	Net Grand Totals								
	REVENUE GRAND TOTALS	\$1,018,312.79	\$1,114,650.10	\$1,151,771.62	\$1,017,750.98	\$1,251,913.00	\$1,251,913.00	\$1,092,997.00	(\$158,916.00)
	EXPENSE GRAND TOTALS	\$3,449,128.48	\$3,564,272.03	\$3,944,437.95	\$2,851,828.35	\$4,481,064.00	\$4,772,443.00	\$4,104,326.00	(\$668,117.00)
	Net Grand Totals	(\$2,430,815.69)	(\$2,449,621.93)	(\$2,792,666.33)	(\$1,834,077.37)	(\$3,229,151.00)	(\$3,520,530.00)	(\$3,011,329.00)	\$509,201.00



## **FY24 Budget Summary for Committee IT Special Revenue Funds DRAFT**

		2022 Actual	2023 Actual	2024 Submitted	2024 First Review	Change btw First	2024 Second	Change btw Second and First	
G/L Account	Account Description	Amount	Amount	Budget	Budget	and Submitted	Review Budget	Rev	
Fund 354 - Mass V	accination Fund								
EXPENSE									
	0 - Information Technologies								
Sub-Departmen Contractual Service	t 669 - Mass Vaccination								
Purchased Profe	essional and Technical Services								
Technical									
354.060.669.50340	Software Licensing Cost	2,256.16	.00	1,770.00	.00	(1,770.00)	.00	.00	
	Technical Totals	\$2,256.16	\$0.00	\$1,770.00	\$0.00	(\$1,770.00)	\$0.00	\$0.00	
Purchase	d Professional and Technical Services Totals	\$2,256.16	\$0.00	\$1,770.00	\$0.00	(\$1,770.00)	\$0.00	\$0.00	
	Contractual Services Totals	\$2,256.16	\$0.00	\$1,770.00	\$0.00	(\$1,770.00)	\$0.00	\$0.00	
Commodities									
General Supplie	25								
354.060.669.60010	Operating Supplies	.00	.00	200.00	.00	(200.00)	.00	.00	
354.060.669.60110	Printing Supplies	2,560.00	.00	300.00	.00	(300.00)	.00	.00	
	General Supplies Totals	\$2,560.00	\$0.00	\$500.00	\$0.00	(\$500.00)	\$0.00	\$0.00	
Telephone and	Cellphone								
354.060.669.64010	Cellular Phone	.00	.00	80.00	.00	(80.00)	.00	.00	
354.060.669.64020	Internet	1,134.79	.00	160.00	.00	(160.00)	.00	.00	
	Telephone and Cellphone Totals	\$1,134.79	\$0.00	\$240.00	\$0.00	(\$240.00)	\$0.00	\$0.00	
	Commodities Totals	\$3,694.79	\$0.00	\$740.00	\$0.00	(\$740.00)	\$0.00	\$0.00	
Sub-Dep	partment 669 - Mass Vaccination Totals	\$5,950.95	\$0.00	\$2,510.00	\$0.00	(\$2,510.00)	\$0.00	\$0.00	
	060 - Information Technologies Totals	\$5,950.95	\$0.00	\$2,510.00	\$0.00	(\$2,510.00)	\$0.00	\$0.00	
	EXPENSE TOTALS	\$5,950.95	\$0.00	\$2,510.00	\$0.00	(\$2,510.00)	\$0.00	\$0.00	
Fu									
	EXPENSE TOTALS	\$5,950.95	\$0.00	\$2,510.00	\$0.00	(\$2,510.00)	\$0.00	\$0.00	
Fu	nd <b>354 - Mass Vaccination Fund</b> Totals	(\$5,950.95)	\$0.00	(\$2,510.00)	\$0.00	\$2,510.00	\$0.00	\$0.00	
Fund 385 - IL Cour	nties Information Mgmt								
REVENUE									
Department 06	0 - Information Technologies								
Sub-Departmen Charges for Servio	at 000 - Revenues								
385.060.000.35400	ICIM Association Fees	4,400.00	.00	4,000.00	1,000.00	(3,000.00)	1,000.00	.00	
	Charges for Services Totals	\$4,400.00	\$0.00	\$4,000.00	\$1,000.00	(\$3,000.00)	\$1,000.00	\$0.00	
Interest Revenue	-					, ,		•	
385.060.000.38000	Investment Income	(59.18)	3.71	.00	.00	.00	.00	.00	
	Interest Revenue Totals	(\$59.18)	\$3.71	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	



## **FY24 Budget Summary for Committee IT Special Revenue Funds DRAFT**

REVENUE  Department 060	Account Description ties Information Mgmt	Amount	Amount		D. Jak	and Colombian	Davieus Budeak	Second and First Rev	
REVENUE Department 060				Budget	Budget	and Submitted	Review Budget	Rev	
Department <b>060</b>	Information Task value is a								
	- Information Technologies								
	Sub-Department 000 - Revenues Totals	\$4,340.82	\$3.71	\$4,000.00	\$1,000.00	(\$3,000.00)	\$1,000.00	\$0.00	
	060 - Information Technologies Totals	\$4,340.82	\$3.71	\$4,000.00	\$1,000.00	(\$3,000.00)	\$1,000.00	\$0.00	
	REVENUE TOTALS	\$4,340.82	\$3.71	\$4,000.00	\$1,000.00	(\$3,000.00)	\$1,000.00	\$0.00	
EXPENSE									
Department 060	- Information Technologies								
Sub-Department Contractual Service	336 - IL Counties Information Mgmt								
Other Purchased	d Services								
Travel									
385.060.336.53100	Conferences and Meetings	2,801.35	650.88	4,000.00	1,000.00	(3,000.00)	1,000.00	.00	
	Travel Totals	\$2,801.35	\$650.88	\$4,000.00	\$1,000.00	(\$3,000.00)	\$1,000.00	\$0.00	
	Other Purchased Services Totals	\$2,801.35	\$650.88	\$4,000.00	\$1,000.00	(\$3,000.00)	\$1,000.00	\$0.00	
	Contractual Services Totals	\$2,801.35	\$650.88	\$4,000.00	\$1,000.00	(\$3,000.00)	\$1,000.00	\$0.00	
Sub-Depart	tment 336 - IL Counties Information Mgmt Totals	\$2,801.35	\$650.88	\$4,000.00	\$1,000.00	(\$3,000.00)	\$1,000.00	\$0.00	
Department	060 - Information Technologies Totals	\$2,801.35	\$650.88	\$4,000.00	\$1,000.00	(\$3,000.00)	\$1,000.00	\$0.00	
	EXPENSE TOTALS	\$2,801.35	\$650.88	\$4,000.00	\$1,000.00	(\$3,000.00)	\$1,000.00	\$0.00	
Fund <b>385</b>	- IL Counties Information Mgmt Totals								
	REVENUE TOTALS	\$4,340.82	\$3.71	\$4,000.00	\$1,000.00	(\$3,000.00)	\$1,000.00	\$0.00	
	EXPENSE TOTALS	\$2,801.35	\$650.88	\$4,000.00	\$1,000.00	(\$3,000.00)	\$1,000.00	\$0.00	
Fund 385 Fund 390 - Web Tec	- IL Counties Information Mgmt Totals chnical Services	\$1,539.47	(\$647.17)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
REVENUE									
Department <b>060</b>	- Information Technologies								
Sub-Department Interest Revenue	000 - Revenues								
390.060.000.38000	Investment Income	(3,181.82)	387.91	.00	.00	.00	.00	.00	
	Interest Revenue Totals	(\$3,181.82)	\$387.91	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Transfers In									
390.060.000.39120	Transfer from Fund 120	297,500.00	297,500.00	297,500.00	297,500.00	.00	297,500.00	.00	
390.060.000.39355	Transfer from Fund 355	.00	60,000.00	.00	.00	.00	.00	.00	
	Transfers In Totals	\$297,500.00	\$357,500.00	\$297,500.00	\$297,500.00	\$0.00	\$297,500.00	\$0.00	
	Sub-Department 000 - Revenues Totals	\$294,318.18	\$357,887.91	\$297,500.00	\$297,500.00	\$0.00	\$297,500.00	\$0.00	
	060 - Information Technologies Totals	\$294,318.18	\$357,887.91	\$297,500.00	\$297,500.00	\$0.00	\$297,500.00	\$0.00	
	REVENUE TOTALS	\$294,318.18	\$357,887.91	\$297,500.00	\$297,500.00	\$0.00	\$297,500.00	\$0.00	



## **FY24 Budget Summary for Committee IT Special Revenue Funds DRAFT**

		2022 Actual	2023 Actual	2024 Submitted	2024 First Review	Change btw First	2024 Second	Change btw Second and First	
G/L Account	Account Description	Amount	Amount	Budget	Budget	and Submitted	Review Budget	Rev	
Fund 390 - Web Te	echnical Services								
EXPENSE									
·	0 - Information Technologies								
Sub-Departmer Contractual Servio	at 337 - Web Technical Services								
Purchased Prof	essional and Technical Services								
Professional									
390.060.337.50150	Contractual/Consulting Services	181,095.59	75,439.86	150,000.00	120,000.00	(30,000.00)	120,000.00	.00	
Technical	Professional Totals	\$181,095.59	\$75,439.86	\$150,000.00	\$120,000.00	(\$30,000.00)	\$120,000.00	\$0.00	
390.060.337.50340	Software Licensing Cost	184,819.94	207,273.41	139,500.00	169,500.00	30,000.00	169,500.00	.00	
	Technical Totals	\$184,819.94	\$207,273.41	\$139,500.00	\$169,500.00	\$30,000.00	\$169,500.00	\$0.00	
Purchase	nd Professional and Technical Services Totals	\$365,915.53	\$282,713.27	\$289,500.00	\$289,500.00	\$0.00	\$289,500.00	\$0.00	
Purchased Prop	perty Services								
Repair and M	Naintenance Services								
390.060.337.52130	Repairs and Maint- Computers	.00	3,614.54	8,000.00	8,000.00	.00	8,000.00	.00	
	Repair and Maintenance Services Totals	\$0.00	\$3,614.54	\$8,000.00	\$8,000.00	\$0.00	\$8,000.00	\$0.00	
	Purchased Property Services Totals	\$0.00	\$3,614.54	\$8,000.00	\$8,000.00	\$0.00	\$8,000.00	\$0.00	
	Contractual Services Totals	\$365,915.53	\$286,327.81	\$297,500.00	\$297,500.00	\$0.00	\$297,500.00	\$0.00	
Sub-Departme	nt 337 - Web Technical Services Totals	\$365,915.53	\$286,327.81	\$297,500.00	\$297,500.00	\$0.00	\$297,500.00	\$0.00	_
Department	060 - Information Technologies Totals	\$365,915.53	\$286,327.81	\$297,500.00	\$297,500.00	\$0.00	\$297,500.00	\$0.00	
	EXPENSE TOTALS	\$365,915.53	\$286,327.81	\$297,500.00	\$297,500.00	\$0.00	\$297,500.00	\$0.00	
Fur	and 390 - Web Technical Services Totals								
	REVENUE TOTALS	\$294,318.18	\$357,887.91	\$297,500.00	\$297,500.00	\$0.00	\$297,500.00	\$0.00	
	EXPENSE TOTALS	\$365,915.53	\$286,327.81	\$297,500.00	\$297,500.00	\$0.00	\$297,500.00	\$0.00	
-		(\$71,597.35)	\$71,560.10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Fur		(\$71,557.55)	φ/1,500.10	φ0.00	φ0.00	φ0.00	φυ.00	φ0.00	
	Net Grand Totals								
	REVENUE GRAND TOTALS	\$298,659.00	\$357,891.62	\$301,500.00	\$298,500.00	(\$3,000.00)	\$298,500.00	\$0.00	
	EXPENSE GRAND TOTALS	\$374,667.83	\$286,978.69	\$304,010.00	\$298,500.00	(\$5,510.00)	\$298,500.00	\$0.00	
	Net Grand Totals	(\$76,008.83)	\$70,912.93	(\$2,510.00)	\$0.00	\$2,510.00	\$0.00	\$0.00	



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G/L Account	Account Descripti	ion	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted
Fund 354 - Mass Vacc	<u> </u>	1011	Amount	Amount	Amount	Amount	buuget	Budget	Submitted
EXPENSE									
Department 060 - 1	Information Te	echnologies							
Sub-Department		_							
354.060.669.50150	Contractual/Cons	sulting Services	.00	34,286.00	.00	.00	.00	.00	.00
Budget Tr	ransactions								
Level		Transaction					Number of Units	Cost Per Unit	Total Amount
First Re	eview Budget	Contractual					1.0000	20,000.00	20,000.00
First Re	eview Budget	FSD 8/5/2022 - remove					1.0000	(20,000.00)	(20,000.00)
							First Re	eview Budget Totals	\$0.00
54.060.669.50340	Software Licensir	ng Cost	.00	21,136.36	2,256.16	.00	1,770.00	.00	(1,770.00)
54.060.669.60010	Operating Supplie	es	.00	122,350.22	.00	.00	200.00	.00	(200.00)
54.060.669.60110	Printing Supplies		.00	7,267.28	2,560.00	.00	300.00	.00	(300.00)
54.060.669.64010	Cellular Phone		.00	1,155.87	.00	.00	80.00	.00	(80.00)
354.060.669.64020	Internet		.00	1,209.59	1,134.79	.00	160.00	.00	(160.00)
54.060.669.70000	Computers		.00	22,865.53	.00	.00	.00	.00	.00
Budget Tr	ransactions								
Level		Transaction					Number of Units	Cost Per Unit	Total Amount
First Re	eview Budget	Computers					1.0000	10,000.00	10,000.00
First Re	eview Budget	FSD 8/5/2022					1.0000	(10,000.00)	(10,000.00)
							First Re	eview Budget Totals	\$0.00
Sub-Depart	tment <b>669 - M</b>	ass Vaccination Totals	\$0.00	\$210,270.85	\$5,950.95	\$0.00	\$2,510.00	\$0.00	(\$2,510.00)
		on Technologies Totals	\$0.00	\$210,270.85	\$5,950.95	\$0.00	\$2,510.00	\$0.00	(\$2,510.00)
		EXPENSE TOTALS	\$0.00	\$210,270.85	\$5,950.95	\$0.00	\$2,510.00	\$0.00	(\$2,510.00)
Fund	354 - Mass Va	accination Fund Totals							
		EXPENSE TOTALS	\$0.00	\$210,270.85	\$5,950.95	\$0.00	\$2,510.00	\$0.00	(\$2,510.00)
Fund	354 - Mass Va	accination Fund Totals	\$0.00	(\$210,270.85)	(\$5,950.95)	\$0.00	(\$2,510.00)	\$0.00	\$2,510.00
und 385 - IL Countie	s Information	Mgmt							
REVENUE									
Department 060 -	Information Te	echnologies							
Sub-Department	000 - Revenue	S							
85.060.000.35400	ICIM Association	Fees	.00	.00	4,400.00	.00	4,000.00	1,000.00	(3,000.00)
Budget Tr	ransactions								
Level		Transaction					Number of Units	Cost Per Unit	Total Amount
First Re	eview Budget	Member Dues					1.0000	1,000.00	1,000.00
							First Re	eview Budget Totals	\$1,000.00



G/L Account	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted	
Fund 385 - IL Counties Information Mgmt								
REVENUE								
Department 060 - Information Technologies								
Sub-Department 000 - Revenues								
385.060.000.38000 Investment Income	1.17	(.02)	(59.18)	3.71	.00	.00	.00	
Sub-Department 000 - Revenues Totals	\$1.17	(\$0.02)	\$4,340.82	\$3.71	\$4,000.00	\$1,000.00	(\$3,000.00)	
Department <b>060 - Information Technologies</b> Totals	\$1.17	(\$0.02)	\$4,340.82	\$3.71	\$4,000.00	\$1,000.00	(\$3,000.00)	
REVENUE TOTALS	\$1.17	(\$0.02)	\$4,340.82	\$3.71	\$4,000.00	\$1,000.00	(\$3,000.00)	
EXPENSE  Department 060 - Information Technologies								
Sub-Department 336 - IL Counties Information Mgmt Conferences and Meetings	127.00	.00	2,801.35	650.88	4,000.00	1,000.00	(3,000.00)	
Budget Transactions								
Level Transaction					Number of Units	Cost Per Unit	Total Amount	
First Review Budget Conference Costs					1.0000	1,000.00	1,000.00	
					First Re	view Budget Totals	\$1,000.00	
Sub-Department 336 - IL Counties Information Mgmt Totals	\$127.00	\$0.00	\$2,801.35	\$650.88	\$4,000.00	\$1,000.00	(\$3,000.00)	
Department <b>060 - Information Technologies</b> Totals	\$127.00	\$0.00	\$2,801.35	\$650.88	\$4,000.00	\$1,000.00	(\$3,000.00)	
EXPENSE TOTALS	\$127.00	\$0.00	\$2,801.35	\$650.88	\$4,000.00	\$1,000.00	(\$3,000.00)	
Fund 385 - IL Counties Information Mgmt Totals								
REVENUE TOTALS	\$1.17	(\$0.02)	\$4,340.82	\$3.71	\$4,000.00	\$1,000.00	(\$3,000.00)	
EXPENSE TOTALS	\$127.00	\$0.00	\$2,801.35	\$650.88	\$4,000.00	\$1,000.00	(\$3,000.00)	
Fund 385 - IL Counties Information Mgmt Totals	(\$125.83)	(\$0.02)	\$1,539.47	(\$647.17)	\$0.00	\$0.00	\$0.00	
Fund 390 - Web Technical Services								
REVENUE								
Department 060 - Information Technologies								
Sub-Department <b>000 - Revenues</b>								
390.060.000.38000 Investment Income	7,255.38	1,065.73	(3,181.82)	387.91	.00	.00	.00	
390.060.000.39000 Transfer From Other Funds	297,500.00	384,583.00	.00	.00	.00	.00	.00	
Budget Transactions								
Level Transaction					Number of Units	Cost Per Unit	Total Amount	
First Review Budget Moved to 39120 8/25/23					1.0000	(297,500.00)	(297,500.00)	
First Review Budget Transfer from Riverboat	Fund 120				1.0000	297,500.00	297,500.00	
					First Re	view Budget Totals	\$0.00	



G/L Account	Account Descript	tion	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted	
	leb Technical Services									
REVENUE Department	t 060 - Information To	echnologies								
	artment 000 - Revenue									
390.060.000.391	120 Transfer from Fu	und 120	.00	.00	297,500.00	297,500.00	297,500.00	297,500.00	.00	
	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	First Review Budget	Revenue Reclass from 3	9000-Riverboat 8/25/2	2			1.0000	297,500.00	297,500.00	
							First Re	view Budget Totals	\$297,500.00	
390.060.000.393	355 Transfer from Fu	and 355	.00	.00	.00	60,000.00	.00	.00	.00	
	Sub-Department	000 - Revenues Totals	\$304,755.38	\$385,648.73	\$294,318.18	\$357,887.91	\$297,500.00	\$297,500.00	\$0.00	
Depart	ment 060 - Information		\$304,755.38	\$385,648.73	\$294,318.18	\$357,887.91	\$297,500.00	\$297,500.00	\$0.00	
		REVENUE TOTALS	\$304,755.38	\$385,648.73	\$294,318.18	\$357,887.91	\$297,500.00	\$297,500.00	\$0.00	
EXPENSE										
	t 060 - Information To									
	artment 337 - Web Tec		50.662.54	272.054.05	101 005 50	75 420 06	450 000 00	420.000.00	(20,000,00)	
390.060.337.501	150 Contractual/Con	sulting Services	50,662.51	273,951.05	181,095.59	75,439.86	150,000.00	120,000.00	(30,000.00)	
	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	First Review Budget	Constant Contact - eNev	wsletter				1.0000	3,000.00	3,000.00	
	First Review Budget	Court Notifications- Twil	io, Send Grid				1.0000	5,000.00	5,000.00	
	First Review Budget	Deposit Photos					1.0000	2,000.00	2,000.00	
	First Review Budget	Site Improve					1.0000	6,000.00	6,000.00	
	First Review Budget	Website Design/Develop	ment Contractors				1.0000	104,000.00	104,000.00	
							First Re	view Budget Totals	\$120,000.00	
390.060.337.503	340 Software Licensi	ng Cost	130,248.44	181,138.37	184,819.94	207,273.41	139,500.00	169,500.00	30,000.00	
	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	First Review Budget	Granicus - Agenda, Minu	utes, Streaming/Video S	Software			1.0000	36,000.00	36,000.00	
	First Review Budget	Laserfiche					1.0000	97,500.00	97,500.00	
	First Review Budget	SQL Sentry					1.0000	8,000.00	8,000.00	
	First Review Budget	Tyler ERP - Socrata					1.0000	28,000.00	28,000.00	
							First Re	view Budget Totals	\$169,500.00	



G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted	
	echnical Services	7 arround	741104110	7 arrodite	741104110	Baaget	Daagee	- Capititicou	
EXPENSE									
	0 - Information Technologies								
Sub-Departmer	nt 337 - Web Technical Services								
390.060.337.52130	Repairs and Maint- Computers	.00	844.46	.00	3,614.54	8,000.00	8,000.00	.00	
Rudge	et Transactions								
Lev						Number of Units	Cost Per Unit	Total Amount	
	t Review Budget Video/Photography Ha	ardware				1.0000	8,000.00	8,000.00	
							view Budget Totals	\$8,000.00	
390.060.337.60050	Books and Subscriptions	.00	30,000.00	.00	.00	.00	.00	.00	
Sub-Departme	nt 337 - Web Technical Services Totals	\$180,910.95	\$485,933.88	\$365,915.53	\$286,327.81	\$297,500.00	\$297,500.00	\$0.00	
Department	<b>060 - Information Technologies</b> Totals	\$180,910.95	\$485,933.88	\$365,915.53	\$286,327.81	\$297,500.00	\$297,500.00	\$0.00	
	EXPENSE TOTALS	\$180,910.95	\$485,933.88	\$365,915.53	\$286,327.81	\$297,500.00	\$297,500.00	\$0.00	_
Fur	nd <b>390 - Web Technical Services</b> Totals								
	REVENUE TOTALS	\$304,755.38	\$385,648.73	\$294,318.18	\$357,887.91	\$297,500.00	\$297,500.00	\$0.00	
	EXPENSE TOTALS	\$180,910.95	\$485,933.88	\$365,915.53	\$286,327.81	\$297,500.00	\$297,500.00	\$0.00	
Fur	nd 390 - Web Technical Services Totals	\$123,844.43	(\$100,285.15)	(\$71,597.35)	\$71,560.10	\$0.00	\$0.00	\$0.00	
	Net Grand Totals								
	REVENUE GRAND TOTALS	\$304,756.55	\$385,648.71	\$298,659.00	\$357,891.62	\$301,500.00	\$298,500.00	(\$3,000.00)	
	EXPENSE GRAND TOTALS	\$181,037.95	\$696,204.73	\$374,667.83	\$286,978.69	\$304,010.00	\$298,500.00	(\$5,510.00)	
	Net Grand Totals	\$123,718.60	(\$310,556.02)	(\$76,008.83)	\$70,912.93	(\$2,510.00)	\$0.00	\$2,510.00	



7777									
G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund 354 - Mass V		Amount	Amount	Amount	Amount	buuget	Dudget	Review budget	Ziid diid 15t KeV
EXPENSE									
	0 - Information Technologies								
•	nt 669 - Mass Vaccination								
Contractual Servi	ces								
	fessional and Technical Services								
Professional									
354.060.669.50150	Contractual/Consulting Services	.00	34,286.00	.00	.00	.00	.00	.00	.00
Budge	et Transactions								
Lev	rel Transaction					Number of Units	Cost Per Unit	Total Amount	
Sec	ond Review Budget Contractual					1.0000	20,000.00	20,000.00	
Sec	ond Review Budget FSD 8/5/2022 - remove					1.0000	(20,000.00)	(20,000.00)	
						Second Re	eview Budget Totals	\$0.00	
	Professional Totals	\$0.00	\$34,286.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Technical									
354.060.669.50340	Software Licensing Cost	.00	21,136.36	2,256.16	.00	1,770.00	.00	.00	.00
	Technical Totals	\$0.00	\$21,136.36	\$2,256.16	\$0.00	\$1,770.00	\$0.00	\$0.00	\$0.00
Purchase	ed Professional and Technical Services Totals	\$0.00	\$55,422.36	\$2,256.16	\$0.00	\$1,770.00	\$0.00	\$0.00	\$0.00
	Contractual Services Totals	\$0.00	\$55,422.36	\$2,256.16	\$0.00	\$1,770.00	\$0.00	\$0.00	\$0.00
Commodities									
General Supplie 354.060.669.60010	Operating Supplies	.00	122,350.22	.00	.00	200.00	.00	.00	.00
354.060.669.60110	Printing Supplies	.00	7,267.28	2,560.00	.00	300.00	.00	.00	.00
T / /	General Supplies Totals	\$0.00	\$129,617.50	\$2,560.00	\$0.00	\$500.00	\$0.00	\$0.00	\$0.00
Telephone and	•	00	1 155 07	00	00	00.00	00	00	00
354.060.669.64010	Cellular Phone	.00	1,155.87	.00	.00	80.00	.00	.00	.00
354.060.669.64020	Internet	.00	1,209.59	1,134.79	.00	160.00	.00	.00	.00
	Telephone and Cellphone Totals	\$0.00	\$2,365.46	\$1,134.79	\$0.00	\$240.00	\$0.00	\$0.00	\$0.00
C4-1	Commodities Totals	\$0.00	\$131,982.96	\$3,694.79	\$0.00	\$740.00	\$0.00	\$0.00	\$0.00
Capital Machinery and	Equipment								
Computer Eq	• •								
354.060.669.70000	Computers	.00	22,865.53	.00	.00	.00	.00	.00	.00
	·	.00	22,003.33	.00		.00	.00		100
	et Transactions						0.15.11.	T	
Lev						Number of Units	Cost Per Unit	Total Amount	
Sec	ond Review Budget Computers					1.0000	10,000.00	10,000.00	



## FY24 Second Level Budget Detail IT SR Funds DRAFT

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
	ass Vaccination Fund	Amount	Amount	Amount	Amount	Dauget	Dauget	Review Budget	Zila dila 15t Kev
EXPENSE									
	060 - Information Technologies								
•	artment 669 - Mass Vaccination								
Capital									
,	y and Equipment								
Compu	iter Equipment								
	Second Review Budget FSD 8/5/2022					1.0000	(10,000.00)	(10,000.00)	
						Second Re	eview Budget Totals	\$0.00	
	Computer Equipment Totals	\$0.00	\$22,865.53	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Machinery and Equipment Totals	\$0.00	\$22,865.53	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Capital Totals	\$0.00	\$22,865.53	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Sı	ub-Department 669 - Mass Vaccination Totals	\$0.00	\$210,270.85	\$5,950.95	\$0.00	\$2,510.00	\$0.00	\$0.00	\$0.00
Departi	ment 060 - Information Technologies Totals	\$0.00	\$210,270.85	\$5,950.95	\$0.00	\$2,510.00	\$0.00	\$0.00	\$0.00
	EXPENSE TOTALS	\$0.00	\$210,270.85	\$5,950.95	\$0.00	\$2,510.00	\$0.00	\$0.00	\$0.00
	Fund 354 - Mass Vaccination Fund Totals								
	EXPENSE TOTALS	\$0.00	\$210,270.85	\$5,950.95	\$0.00	\$2,510.00	\$0.00	\$0.00	\$0.00
	Fund <b>354 - Mass Vaccination Fund</b> Totals	\$0.00	(\$210,270.85)	(\$5,950.95)	\$0.00	(\$2,510.00)	\$0.00	\$0.00	\$0.00
Fund <b>385 - IL</b>	. Counties Information Mgmt								
REVENUE									
Department	060 - Information Technologies								
Sub-Depa	artment 000 - Revenues								
Charges for	Services								
385.060.000.354	100 ICIM Association Fees	.00	.00	4,400.00	.00	4,000.00	1,000.00	1,000.00	.00
	Budget Transactions								
	Level Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget Member Dues					1.0000	1,000.00	1,000.00	
						Second Re	eview Budget Totals	\$1,000.00	
_	Charges for Services Totals	\$0.00	\$0.00	\$4,400.00	\$0.00	\$4,000.00	\$1,000.00	\$1,000.00	\$0.00
Interest Rev	venue								
385.060.000.380	000 Investment Income	1.17	(.02)	(59.18)	3.71	.00	.00	.00	.00
	Interest Revenue Totals	\$1.17	(\$0.02)	(\$59.18)	\$3.71	\$0.00	\$0.00	\$0.00	\$0.00
	Sub-Department 000 - Revenues Totals	\$1.17	(\$0.02)	\$4,340.82	\$3.71	\$4,000.00	\$1,000.00	\$1,000.00	\$0.00
Departi	ment 060 - Information Technologies Totals	\$1.17	(\$0.02)	\$4,340.82	\$3.71	\$4,000.00	\$1,000.00	\$1,000.00	\$0.00
_ 564141									



PPYYYY									
G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
	unties Information Mgmt								
	REVENUE TOTALS	\$1.17	(\$0.02)	\$4,340.82	\$3.71	\$4,000.00	\$1,000.00	\$1,000.00	\$0.00
EXPENSE									
	60 - Information Technologies								
•	ent 336 - IL Counties Information Mgmt								
Contractual Ser									
Other Purcha.	sed Services								
Travel									
385.060.336.53100	Conferences and Meetings	127.00	.00	2,801.35	650.88	4,000.00	1,000.00	1,000.00	.00
Budg	get Transactions								
Le	evel Transaction					Number of Units	Cost Per Unit	Total Amount	
Se	econd Review Budget Conference Costs					1.0000	1,000.00	1,000.00	
						Second Re	view Budget Totals	\$1,000.00	
	Travel Totals	\$127.00	\$0.00	\$2,801.35	\$650.88	\$4,000.00	\$1,000.00	\$1,000.00	\$0.00
	Other Purchased Services Totals	\$127.00	\$0.00	\$2,801.35	\$650.88	\$4,000.00	\$1,000.00	\$1,000.00	\$0.00
	Contractual Services Totals	\$127.00	\$0.00	\$2,801.35	\$650.88	\$4,000.00	\$1,000.00	\$1,000.00	\$0.00
Sub-De	partment 336 - IL Counties Information  Mgmt Totals	\$127.00	\$0.00	\$2,801.35	\$650.88	\$4,000.00	\$1,000.00	\$1,000.00	\$0.00
Departmen	t 060 - Information Technologies Totals	\$127.00	\$0.00	\$2,801.35	\$650.88	\$4,000.00	\$1,000.00	\$1,000.00	\$0.00
•	EXPENSE TOTALS	\$127.00	\$0.00	\$2,801.35	\$650.88	\$4,000.00	\$1,000.00	\$1,000.00	\$0.00
Fund 3	85 - IL Counties Information Mgmt Totals								
	REVENUE TOTALS	\$1.17	(\$0.02)	\$4,340.82	\$3.71	\$4,000.00	\$1,000.00	\$1,000.00	\$0.00
	EXPENSE TOTALS	\$127.00	\$0.00	\$2,801.35	\$650.88	\$4,000.00	\$1,000.00	\$1,000.00	\$0.00
Fund 3	85 - IL Counties Information Mgmt Totals	(\$125.83)	(\$0.02)	\$1,539.47	(\$647.17)	\$0.00	\$0.00	\$0.00	\$0.00
Fund <b>390 - Web</b>	Technical Services								
REVENUE									
Department 0	60 - Information Technologies								
	ent 000 - Revenues								
Interest Revenu 390.060.000.38000	Investment Income	7,255.38	1,065.73	(3,181.82)	387.91	.00	.00	.00	.00
	Interest Revenue Totals	\$7,255.38	\$1,065.73	(\$3,181.82)	\$387.91	\$0.00	\$0.00	\$0.00	\$0.00
Transfers In									
390.060.000.39000	Transfer From Other Funds	297,500.00	384,583.00	.00	.00	.00	.00	.00	.00
Bude	get Transactions								
	evel Transaction					Number of Units	Cost Per Unit	Total Amount	
	econd Review Budget Moved to 39120 8/25/22					1.0000	(297,500.00)	(297,500.00)	
Se	econd Review Budget	Fund 120				1.0000	297,500.00	297,500.00	
						Second Re	view Budget Totals	\$0.00	



## FY24 Second Level Budget Detail IT SR Funds DRAFT

	•										
G/L Account	,	Account Description	nn.	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
		nical Services	)II	AIIIOUIIL	AMOUNT	AHOUHL	AIIIOUIIL	<u> </u>	budget	Review budget	ZHU dHU 1St REV
REVENUE	veb recili	iicai Sei vices									
	+ 060 - 1	Information Too	hnologies								
		Information Tec	_								
Transfers II	īn	000 - Revenues									
390.060.000.39	120 7	Fransfer from Fun	d 120	.00	.00	297,500.00	297,500.00	297,500.00	297,500.00	297,500.00	.00
	Budget Tr	ansactions									
	Level		Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second	Review Budget	Revenue Reclass from 39	9000-Riverboat 8/25/22	2			1.0000	297,500.00	297,500.00	
								Second Re	eview Budget Totals	\$297,500.00	
390.060.000.393	355 7	Fransfer from Fun	d 355	.00	.00	.00	60,000.00	.00	.00	.00	.00
			Transfers In Totals	\$297,500.00	\$384,583.00	\$297,500.00	\$357,500.00	\$297,500.00	\$297,500.00	\$297,500.00	\$0.00
	Sub	o-Department <b>0</b>	00 - Revenues Totals	\$304,755.38	\$385,648.73	\$294,318.18	\$357,887.91	\$297,500.00	\$297,500.00	\$297,500.00	\$0.00
Depart			Technologies Totals	\$304,755.38	\$385,648.73	\$294,318.18	\$357,887.91	\$297,500.00	\$297,500.00	\$297,500.00	\$0.00
			REVENUE TOTALS	\$304,755.38	\$385,648.73	\$294,318.18	\$357,887.91	\$297,500.00	\$297,500.00	\$297,500.00	\$0.00
Purchase Profess 390.060.337.503	ed Professional	onal and Technica Contractual/Consu		50,662.51	273,951.05	181,095.59	75,439.86	150,000.00	120,000.00	120,000.00	.00
	_	ansactions	<b>-</b>						G 15 11 11	T / / /	
	Level	Davieus Budeet	Transaction	.alatta				Number of Units	Cost Per Unit	Total Amount	
		Review Budget Review Budget	Constant Contact - eNew Court Notifications- Twili					1.0000 1.0000	3,000.00 5,000.00	3,000.00 5,000.00	
		Review Budget	Deposit Photos	o, sena dna				1.0000	2,000.00	2,000.00	
		Review Budget	Site Improve					1.0000	6,000.00	6,000.00	
		Review Budget	Website Design/Develop	ment Contractors				1.0000	104,000.00	104,000.00	
	Second	Review Budget	Website Design/Develop	ment contractors					eview Budget Totals	\$120,000.00	
				150.000.51	1000 001 00	1101 007 70	L== 400 04				10.00
Techni	vical.		Professional Totals	\$50,662.51	\$273,951.05	\$181,095.59	\$75,439.86	\$150,000.00	\$120,000.00	\$120,000.00	\$0.00
390.060.337.503		Software Licensino	ı Cost	130,248.44	181,138.37	184,819.94	207,273.41	139,500.00	169,500.00	169,500.00	.00
			,	,-	,	,		,	,		
	_	ansactions	Tuesdestien					No make an af I haita	Cook Don Unit	Tatal Amazount	
	Level Second	Dovious Budget	Transaction Cranicus Agenda Minus	tos Strooming/Video S	offware			Number of Units	Cost Per Unit	Total Amount	
		Review Budget Review Budget	Granicus - Agenda, Minu Laserfiche	ies, streaming/video S	outware			1.0000 1.0000	36,000.00 97,500.00	36,000.00 97,500.00	
		Review Budget	SQL Sentry						•		
								1.0000	8,000.00	8,000.00	



Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
	eb Technical Services	Amount	Amount	Amount	Amount	Duaget	Dauget	Review Budget	Zila dila 15t Kev
EXPENSE									
	060 - Information Technologies								
•	rtment 337 - Web Technical Services								
Contractual .									
Purchased	d Professional and Technical Services								
Technic									
	Second Review Budget Tyler ERP - Socrata					1.0000	28,000.00	28,000.00	
						Second Re	view Budget Totals	\$169,500.00	
	Technical Totals	\$130,248.44	\$181,138.37	\$184,819.94	\$207,273.41	\$139,500.00	\$169,500.00	\$169,500.00	\$0.00
Puro	chased Professional and Technical Services Totals	\$180,910.95	\$455,089.42	\$365,915.53	\$282,713.27	\$289,500.00	\$289,500.00	\$289,500.00	\$0.00
Purchased	d Property Services								
Repair a	and Maintenance Services								
390.060.337.521	30 Repairs and Maint- Computers	.00	844.46	.00	3,614.54	8,000.00	8,000.00	8,000.00	.00
E	Budget Transactions								
	Level Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget Video/Photography Hard	lware				1.0000	8,000.00	8,000.00	
						Second Re	view Budget Totals	\$8,000.00	
	Repair and Maintenance Services Totals	\$0.00	 \$844.46	\$0.00	\$3,614.54		3		\$0.00
	Repair and Maintenance Services Totals  Purchased Property Services Totals	\$0.00 \$0.00	\$844.46 \$844.46	\$0.00 \$0.00	\$3,614.54 \$3,614.54	\$8,000.00 \$8,000.00	\$8,000.00 \$8,000.00	\$8,000.00 \$8,000.00 \$8,000.00	\$0.00 \$0.00
	<u> </u>	·	<u>'</u>			\$8,000.00	\$8,000.00	\$8,000.00	
Commodities	Purchased Property Services Totals Contractual Services Totals	\$0.00	\$844.46	\$0.00	\$3,614.54	\$8,000.00 \$8,000.00	\$8,000.00 \$8,000.00	\$8,000.00 \$8,000.00	\$0.00
Commodities General Sc	Purchased Property Services Totals  Contractual Services Totals	\$0.00	\$844.46	\$0.00	\$3,614.54	\$8,000.00 \$8,000.00	\$8,000.00 \$8,000.00	\$8,000.00 \$8,000.00	\$0.00
	Purchased Property Services Totals  Contractual Services Totals  s  upplies	\$0.00	\$844.46	\$0.00	\$3,614.54	\$8,000.00 \$8,000.00	\$8,000.00 \$8,000.00	\$8,000.00 \$8,000.00	\$0.00
General St	Purchased Property Services Totals  Contractual Services Totals  s  upplies	\$0.00 \$180,910.95	\$844.46 \$455,933.88	\$0.00 \$365,915.53	\$3,614.54 \$286,327.81	\$8,000.00 \$8,000.00 \$297,500.00	\$8,000.00 \$8,000.00 \$297,500.00	\$8,000.00 \$8,000.00 \$297,500.00	\$0.00 \$0.00
General St	Purchased Property Services Totals  Contractual Services Totals s upplies 50 Books and Subscriptions	\$0.00 \$180,910.95	\$844.46 \$455,933.88 30,000.00	\$0.00 \$365,915.53	\$3,614.54 \$286,327.81	\$8,000.00 \$8,000.00 \$297,500.00	\$8,000.00 \$8,000.00 \$297,500.00	\$8,000.00 \$8,000.00 \$297,500.00	\$0.00 \$0.00
General St. 390.060.337.6009	Purchased Property Services Totals  Contractual Services Totals  s  upplies  50 Books and Subscriptions  General Supplies Totals	\$0.00 \$180,910.95 .00 \$0.00	\$844.46 \$455,933.88 30,000.00 \$30,000.00	\$0.00 \$365,915.53 .00 \$0.00	\$3,614.54 \$286,327.81 .00 \$0.00	\$8,000.00 \$8,000.00 \$297,500.00 .00 \$0.00	\$8,000.00 \$8,000.00 \$297,500.00 .00 \$0.00	\$8,000.00 \$8,000.00 \$297,500.00 .00 \$0.00	\$0.00 \$0.00 .00 \$0.00 \$0.00 \$0.00
General St. 390.060.337.6009	Purchased Property Services Totals  Contractual Services Totals s upplies 50 Books and Subscriptions  General Supplies Totals Commodities Totals	\$0.00 \$180,910.95 .00 \$0.00 \$0.00	\$844.46 \$455,933.88 30,000.00 \$30,000.00 \$30,000.00	\$0.00 \$365,915.53 .00 \$0.00 \$0.00	\$3,614.54 \$286,327.81 .00 \$0.00 \$0.00	\$8,000.00 \$8,000.00 \$297,500.00 .00 \$0.00	\$8,000.00 \$8,000.00 \$297,500.00 .00 \$0.00 \$0.00	\$8,000.00 \$8,000.00 \$297,500.00 .00 \$0.00	\$0.00 \$0.00 .00 \$0.00 \$0.00
General St. 390.060.337.6009	Purchased Property Services Totals Contractual Services Totals supplies 50 Books and Subscriptions General Supplies Totals Commodities Totals artment 337 - Web Technical Services Totals	\$0.00 \$180,910.95 .00 \$0.00 \$0.00 \$180,910.95	\$844.46 \$455,933.88 30,000.00 \$30,000.00 \$30,000.00 \$485,933.88	\$0.00 \$365,915.53 .00 \$0.00 \$0.00 \$365,915.53	\$3,614.54 \$286,327.81 .00 \$0.00 \$0.00 \$286,327.81	\$8,000.00 \$8,000.00 \$297,500.00 .00 \$0.00 \$0.00 \$297,500.00	\$8,000.00 \$8,000.00 \$297,500.00 .00 \$0.00 \$0.00 \$297,500.00	\$8,000.00 \$8,000.00 \$297,500.00 .00 \$0.00 \$0.00 \$297,500.00	\$0.00 \$0.00 .00 \$0.00 \$0.00 \$0.00
General St. 390.060.337.6009	Purchased Property Services Totals Contractual Services Totals supplies 50 Books and Subscriptions General Supplies Totals Commodities Totals artment 337 - Web Technical Services Totals ment 060 - Information Technologies Totals	\$0.00 \$180,910.95 .00 \$0.00 \$180,910.95 \$180,910.95	\$844.46 \$455,933.88 30,000.00 \$30,000.00 \$30,000.00 \$485,933.88 \$485,933.88	\$0.00 \$365,915.53 .00 \$0.00 \$0.00 \$365,915.53 \$365,915.53	\$3,614.54 \$286,327.81 .00 \$0.00 \$0.00 \$286,327.81 \$286,327.81	\$8,000.00 \$8,000.00 \$297,500.00 .00 \$0.00 \$0.00 \$297,500.00 \$297,500.00	\$8,000.00 \$8,000.00 \$297,500.00 .00 \$0.00 \$0.00 \$297,500.00 \$297,500.00	\$8,000.00 \$8,000.00 \$297,500.00 .00 \$0.00 \$0.00 \$297,500.00 \$297,500.00	\$0.00 \$0.00 .00 \$0.00 \$0.00 \$0.00 \$0.00
General St. 390.060.337.6009	Purchased Property Services Totals Contractual Services Totals Supplies 50 Books and Subscriptions General Supplies Totals Commodities Totals artment 337 - Web Technical Services Totals EXPENSE TOTALS Fund 390 - Web Technical Services Totals	\$0.00 \$180,910.95 .00 \$0.00 \$0.00 \$180,910.95 \$180,910.95	\$844.46 \$455,933.88 30,000.00 \$30,000.00 \$30,000.00 \$485,933.88 \$485,933.88 \$485,933.88	\$0.00 \$365,915.53 .00 \$0.00 \$0.00 \$365,915.53 \$365,915.53	\$3,614.54 \$286,327.81 .00 \$0.00 \$0.00 \$286,327.81 \$286,327.81 \$286,327.81	\$8,000.00 \$8,000.00 \$297,500.00 .00 \$0.00 \$0.00 \$297,500.00 \$297,500.00	\$8,000.00 \$8,000.00 \$297,500.00 .00 \$0.00 \$0.00 \$297,500.00 \$297,500.00	\$8,000.00 \$8,000.00 \$297,500.00 \$0.00 \$0.00 \$297,500.00 \$297,500.00 \$297,500.00	\$0.00 \$0.00 .00 \$0.00 \$0.00 \$0.00 \$0.00
General St. 390.060.337.6009	Purchased Property Services Totals Contractual Services Totals Supplies 50 Books and Subscriptions General Supplies Totals Commodities Totals artment 337 - Web Technical Services Totals EXPENSE TOTALS Fund 390 - Web Technical Services Totals REVENUE TOTALS	\$0.00 \$180,910.95 .00 \$0.00 \$180,910.95 \$180,910.95 \$180,910.95 \$304,755.38	\$844.46 \$455,933.88 30,000.00 \$30,000.00 \$30,000.00 \$485,933.88 \$485,933.88 \$485,933.88	\$0.00 \$365,915.53 .00 \$0.00 \$0.00 \$365,915.53 \$365,915.53 \$365,915.53	\$3,614.54 \$286,327.81 .00 \$0.00 \$0.00 \$286,327.81 \$286,327.81 \$286,327.81 \$357,887.91	\$8,000.00 \$8,000.00 \$297,500.00 .00 \$0.00 \$0.00 \$297,500.00 \$297,500.00 \$297,500.00	\$8,000.00 \$8,000.00 \$297,500.00 \$0.00 \$0.00 \$297,500.00 \$297,500.00 \$297,500.00	\$8,000.00 \$8,000.00 \$297,500.00 \$0.00 \$0.00 \$297,500.00 \$297,500.00 \$297,500.00	\$0.00 \$0.00 .00 \$0.00 \$0.00 \$0.00 \$0.00
General St. 390.060.337.6009	Purchased Property Services Totals Contractual Services Totals Supplies So Books and Subscriptions General Supplies Totals Commodities Totals Artment 337 - Web Technical Services Totals EXPENSE TOTALS Fund 390 - Web Technical Services Totals REVENUE TOTALS EXPENSE TOTALS	\$0.00 \$180,910.95 .00 \$0.00 \$0.00 \$180,910.95 \$180,910.95 \$304,755.38 \$180,910.95	\$844.46 \$455,933.88 30,000.00 \$30,000.00 \$30,000.00 \$485,933.88 \$485,933.88 \$485,933.88 \$485,933.88	\$0.00 \$365,915.53 .00 \$0.00 \$0.00 \$365,915.53 \$365,915.53 \$365,915.53 \$294,318.18 \$365,915.53	\$3,614.54 \$286,327.81 .00 \$0.00 \$0.00 \$286,327.81 \$286,327.81 \$286,327.81 \$357,887.91 \$286,327.81	\$8,000.00 \$8,000.00 \$297,500.00 .00 \$0.00 \$0.00 \$297,500.00 \$297,500.00	\$8,000.00 \$8,000.00 \$297,500.00 \$0.00 \$0.00 \$297,500.00 \$297,500.00 \$297,500.00	\$8,000.00 \$8,000.00 \$297,500.00 \$0.00 \$0.00 \$297,500.00 \$297,500.00 \$297,500.00	\$0.00 \$0.00 .00 \$0.00 \$0.00 \$0.00 \$0.00
General St. 390.060.337.6009	Purchased Property Services Totals Contractual Services Totals Supplies 50 Books and Subscriptions General Supplies Totals Commodities Totals artment 337 - Web Technical Services Totals EXPENSE TOTALS Fund 390 - Web Technical Services Totals REVENUE TOTALS	\$0.00 \$180,910.95 .00 \$0.00 \$180,910.95 \$180,910.95 \$180,910.95 \$304,755.38	\$844.46 \$455,933.88 30,000.00 \$30,000.00 \$30,000.00 \$485,933.88 \$485,933.88 \$485,933.88	\$0.00 \$365,915.53 .00 \$0.00 \$0.00 \$365,915.53 \$365,915.53 \$365,915.53	\$3,614.54 \$286,327.81 .00 \$0.00 \$0.00 \$286,327.81 \$286,327.81 \$286,327.81 \$357,887.91	\$8,000.00 \$8,000.00 \$297,500.00 .00 \$0.00 \$297,500.00 \$297,500.00 \$297,500.00 \$297,500.00	\$8,000.00 \$8,000.00 \$297,500.00 \$0.00 \$0.00 \$297,500.00 \$297,500.00 \$297,500.00	\$8,000.00 \$8,000.00 \$297,500.00 \$0.00 \$0.00 \$297,500.00 \$297,500.00 \$297,500.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00

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## FY24 Second Level Budget Detail IT SR Funds DRAFT

REVENUE GRAND TOTALS	\$304,756.55	\$385,648.71	\$298,659.00	\$357,891.62	\$301,500.00	\$298,500.00	\$298,500.00	\$0.00
EXPENSE GRAND TOTALS	\$181,037.95	\$696,204.73	\$374,667.83	\$286,978.69	\$304,010.00	\$298,500.00	\$298,500.00	\$0.00
Net Grand Totals	\$123,718.60	(\$310,556.02)	(\$76,008.83)	\$70,912.93	(\$2,510.00)	\$0.00	\$0.00	\$0.00



Account	Account Description	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	Change btw First and Submitted	2024 Second Review Budget	Change btw Second and First Rev	
	L01 - Geographic Information Systems	Amount	Amount	Duaget	Duaget	dia Sabinittea	Review Budget	Rev	
REVEN									
	partment 060 - Information Technologies								
Sı	ub-Department 000 - Revenues								
Cha	arges for Services								
34010	GIS Counter Sale Fees	970.00	90.00	500.00	500.00	.00	500.00	.00	
34180	GIS Fees	1,206,900.00	670,214.00	1,463,000.00	1,183,800.00	(279,200.00)	1,183,800.00	.00	
	Charges for Services Totals	\$1,207,870.00	\$670,304.00	\$1,463,500.00	\$1,184,300.00	(\$279,200.00)	\$1,184,300.00	\$0.00	
Inte	erest Revenue								
38000	Investment Income	(17,398.81)	1,905.75	15,000.00	15,700.00	700.00	15,700.00	.00	
	Interest Revenue Totals	(\$17,398.81)	\$1,905.75	\$15,000.00	\$15,700.00	\$700.00	\$15,700.00	\$0.00	
Oth	er								
39900	Fund Balance Utilization	.00	.00	442,660.00	616,455.00	173,795.00	577,642.00	(38,813.00)	
	Other Totals	\$0.00	\$0.00	\$442,660.00	\$616,455.00	\$173,795.00	\$577,642.00	(\$38,813.00)	
	Sub-Department 000 - Revenues Totals	\$1,190,471.19	\$672,209.75	\$1,921,160.00	\$1,816,455.00	(\$104,705.00)	\$1,777,642.00	(\$38,813.00)	
	Department <b>060 - Information Technologies</b> Totals	\$1,190,471.19	\$672,209.75	\$1,921,160.00	\$1,816,455.00	(\$104,705.00)	\$1,777,642.00	(\$38,813.00)	
	Department 000 - Information recimologies rotals								
	REVENUE TOTALS	\$1,190,471.19	\$672,209.75	\$1,921,160.00	\$1,816,455.00	(\$104,705.00)	\$1,777,642.00	(\$38,813.00)	
Dep Si <i>Pers</i>	REVENUE TOTALS  USE  vartment 060 - Information Technologies		\$672,209.75	\$1,921,160.00	\$1,816,455.00	(\$104,705.00)	\$1,777,642.00	(\$38,813.00)	
Dep Si <i>Pers</i>	REVENUE TOTALS  ASE  Partment 060 - Information Technologies  aub-Department 070 - Geographic Information System  sonnel Services- Salaries & Wages		\$672,209.75 524,945.27	\$1,921,160.00 716,858.00	\$1,816,455.00 716,858.00	(\$104,705.00) .00	\$1,777,642.00 732,609.00	(\$38,813.00) 15,751.00	
Dep Su Pers	REVENUE TOTALS  ASE Partment 060 - Information Technologies  Bub-Department 070 - Geographic Information System  Sonnel Services- Salaries & Wages  Regular Employees	s						,	
Dep Si Pers Ri 40000	REVENUE TOTALS  ASE  Distribution Technologies  Up-Department  Ord - Geographic Information System  Sonnel Services- Salaries & Wages  Regular Employees  Salaries and Wages  Regular Employees Totals  Overtime Salaries	748,568.56 \$748,568.56	524,945.27 \$524,945.27	716,858.00 \$716,858.00	716,858.00 \$716,858.00	.00	732,609.00 \$732,609.00	15,751.00 \$15,751.00	
Dep St Pers R 40000	REVENUE TOTALS  ASE  Deartment 060 - Information Technologies  Ub-Department 070 - Geographic Information System  Sonnel Services - Salaries & Wages  Regular Employees  Salaries and Wages  Regular Employees Totals	748,568.56 \$748,568.56 603.84	524,945.27	716,858.00	716,858.00 \$716,858.00 2,500.00	.00	732,609.00	15,751.00	
Dep Si Pers R 40000	REVENUE TOTALS  ASE  Partment 060 - Information Technologies  Partment 070 - Geographic Information System  Partme	748,568.56 \$748,568.56	524,945.27 \$524,945.27	716,858.00 \$716,858.00	716,858.00 \$716,858.00	.00	732,609.00 \$732,609.00	15,751.00 \$15,751.00	
Dep Si Pers Ri 40000	REVENUE TOTALS  ASE  Diartment 060 - Information Technologies  Sub-Department 070 - Geographic Information System  Sonnel Services- Salaries & Wages  Diegular Employees  Salaries and Wages  Regular Employees Totals  Overtime Salaries  Overtime Salaries  Overtime Salaries Totals	748,568.56 \$748,568.56 603.84 \$603.84	524,945.27 \$524,945.27 135.00 \$135.00	716,858.00 \$716,858.00 2,508.00 \$2,508.00	716,858.00 \$716,858.00 2,500.00 \$2,500.00	.00 \$0.00 (8.00) (\$8.00)	732,609.00 \$732,609.00 2,500.00 \$2,500.00	15,751.00 \$15,751.00 .00 \$0.00	
Dep Si Pers R 40000	REVENUE TOTALS  ASE  Partment 060 - Information Technologies  Partment 070 - Geographic Information System  Partme	748,568.56 \$748,568.56 603.84 \$603.84	524,945.27 \$524,945.27 135.00 \$135.00	716,858.00 \$716,858.00 2,508.00 \$2,508.00 23,318.00	716,858.00 \$716,858.00 2,500.00	.00 \$0.00 (8.00) (\$8.00) (23,318.00)	732,609.00 \$732,609.00 2,500.00 \$2,500.00	15,751.00 \$15,751.00 .00 \$0.00	
Dep Si Pers Ri 40000	REVENUE TOTALS  ASE  Distribution Technologies  Sonnel Services - Salaries & Wages  Segular Employees  Salaries and Wages  Regular Employees Totals  Overtime Salaries  Overtime Salaries  Overtime Salaries  Overtime Salaries  Other  Non-Union Wage Increase  Other Totals	\$ 748,568.56 \$748,568.56 603.84 \$603.84 .00 \$0.00	524,945.27 \$524,945.27 135.00 \$135.00 .00 \$0.00	716,858.00 \$716,858.00 2,508.00 \$2,508.00 23,318.00 \$23,318.00	716,858.00 \$716,858.00 2,500.00 \$2,500.00 .00 \$0.00	.00 \$0.00 (8.00) (\$8.00) (23,318.00) (\$23,318.00)	732,609.00 \$732,609.00 2,500.00 \$2,500.00 1.00 \$1.00	15,751.00 \$15,751.00 .00 \$0.00 1.00 \$1.00	
Dep Si Pers R. 40000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	REVENUE TOTALS  ASE  Distribution Technologies  Sub-Department 070 - Geographic Information System  Seconnel Services- Salaries & Wages  Regular Employees  Salaries and Wages  Regular Employees Totals  Overtime Salaries  Overtime Salaries  Overtime Salaries  Overtime Salaries  Other Totals  Personnel Services- Salaries & Wages Totals	748,568.56 \$748,568.56 603.84 \$603.84	524,945.27 \$524,945.27 135.00 \$135.00	716,858.00 \$716,858.00 2,508.00 \$2,508.00 23,318.00	716,858.00 \$716,858.00 2,500.00 \$2,500.00	.00 \$0.00 (8.00) (\$8.00) (23,318.00)	732,609.00 \$732,609.00 2,500.00 \$2,500.00	15,751.00 \$15,751.00 .00 \$0.00	
Dep Si Pers Ri 40000 O 40200 O 40002 Pers	REVENUE TOTALS  ASE  Distribution Technologies  Sub-Department 070 - Geographic Information System  Regular Employees Totals  Regular Employees Totals  Overtime Salaries  Overtime Salaries  Overtime Salaries Totals  Other Totals  Personnel Services- Salaries & Wages Totals  Sonnel Services- Employee Benefits	\$ 748,568.56 \$748,568.56 603.84 \$603.84 .00 \$0.00	524,945.27 \$524,945.27 135.00 \$135.00 .00 \$0.00	716,858.00 \$716,858.00 2,508.00 \$2,508.00 23,318.00 \$23,318.00	716,858.00 \$716,858.00 2,500.00 \$2,500.00 .00 \$0.00	.00 \$0.00 (8.00) (\$8.00) (23,318.00) (\$23,318.00)	732,609.00 \$732,609.00 2,500.00 \$2,500.00 1.00 \$1.00	15,751.00 \$15,751.00 .00 \$0.00 1.00 \$1.00	
Dep Si Pers Ri 40000 O 40200 O 40002 Pers G	REVENUE TOTALS  ASE  Distribution Technologies	\$748,568.56 \$748,568.56 603.84 \$603.84 .00 \$0.00 \$749,172.40	524,945.27 \$524,945.27 135.00 \$135.00 .00 \$0.00 \$525,080.27	716,858.00 \$716,858.00 2,508.00 \$2,508.00 23,318.00 \$23,318.00 \$742,684.00	716,858.00 \$716,858.00 2,500.00 \$2,500.00 .00 \$0.00 \$719,358.00	.00 \$0.00 (8.00) (\$8.00) (23,318.00) (\$23,318.00) (\$23,326.00)	732,609.00 \$732,609.00 2,500.00 \$2,500.00 1.00 \$1.00 \$735,110.00	15,751.00 \$15,751.00 .00 \$0.00 1.00 \$1.00 \$15,752.00	
Dep Si Pers R A 40000 O 40200 O 40002 Pers G 45000	REVENUE TOTALS  ASE  Partment 060 - Information Technologies  Salaries 1070 - Geographic Information System  Sonnel Services - Salaries & Wages  Regular Employees  Salaries and Wages  Regular Employees Totals  Overtime Salaries  otals  Other  Non-Union Wage Increase  Other Totals  Personnel Services - Salaries & Wages Totals  Sonnel Services - Employee Benefits  Group Insurance  Healthcare Contribution	\$748,568.56 \$748,568.56 603.84 \$603.84 .00 \$0.00 \$749,172.40	524,945.27 \$524,945.27 135.00 \$135.00 .00 \$0.00 \$525,080.27	716,858.00 \$716,858.00 2,508.00 \$2,508.00 23,318.00 \$23,318.00 \$742,684.00	716,858.00 \$716,858.00 2,500.00 \$2,500.00 .00 \$0.00 \$719,358.00	.00 \$0.00 (8.00) (\$8.00) (23,318.00) (\$23,318.00) (\$23,326.00)	732,609.00 \$732,609.00 2,500.00 \$2,500.00 1.00 \$1.00 \$735,110.00	15,751.00 \$15,751.00 .00 \$0.00 1.00 \$15,752.00 (32,135.00)	
Dep Si Pers Ri 40000 O 40200 O 40002 Pers G	Assertance  NSE  Partment 060 - Information Technologies  South-Department 070 - Geographic Information System  Sources - Salaries & Wages  Pegular Employees  Salaries and Wages  Regular Employees Totals  Overtime Salaries  Other  Non-Union Wage Increase  Other Totals  Personnel Services- Salaries & Wages Totals  Sonnel Services- Employee Benefits  Group Insurance  Healthcare Contribution  Dental Contribution	\$ 748,568.56 \$748,568.56 603.84 \$603.84 .00 \$0.00 \$749,172.40 138,203.56 4,392.61	524,945.27 \$524,945.27 135.00 \$135.00 .00 \$0.00 \$525,080.27 101,738.96 3,041.95	716,858.00 \$716,858.00 2,508.00 \$2,508.00 23,318.00 \$742,684.00 155,661.00 4,643.00	716,858.00 \$716,858.00 2,500.00 \$2,500.00 .00 \$0.00 \$719,358.00 155,661.00 4,643.00	.00 \$0.00 (8.00) (\$8.00) (\$8.00) (\$23,318.00) (\$23,318.00) (\$23,326.00)	732,609.00 \$732,609.00 2,500.00 \$2,500.00 1.00 \$1.00 \$735,110.00 123,526.00 3,813.00	15,751.00 \$15,751.00 .00 \$0.00 1.00 \$15,752.00 (32,135.00) (830.00)	
Dep Si Pers R A 40000	Assertance Totals  Revenue Totals  Assertance Totals  Assertance  Assertance Totals  Assertance Totals  Assertance Totals  Assertance  Assertance Totals	\$748,568.56 \$748,568.56 603.84 \$603.84 .00 \$0.00 \$749,172.40	524,945.27 \$524,945.27 135.00 \$135.00 .00 \$0.00 \$525,080.27	716,858.00 \$716,858.00 2,508.00 \$2,508.00 23,318.00 \$23,318.00 \$742,684.00	716,858.00 \$716,858.00 2,500.00 \$2,500.00 .00 \$0.00 \$719,358.00	.00 \$0.00 (8.00) (\$8.00) (23,318.00) (\$23,318.00) (\$23,326.00)	732,609.00 \$732,609.00 2,500.00 \$2,500.00 1.00 \$1.00 \$735,110.00	15,751.00 \$15,751.00 .00 \$0.00 1.00 \$15,752.00 (32,135.00)	
Dep Si Pers R A 40000	Assertance  NSE  Partment 060 - Information Technologies  South-Department 070 - Geographic Information System  Sources - Salaries & Wages  Pegular Employees  Salaries and Wages  Regular Employees Totals  Overtime Salaries  Other  Non-Union Wage Increase  Other Totals  Personnel Services- Salaries & Wages Totals  Sonnel Services- Employee Benefits  Group Insurance  Healthcare Contribution  Dental Contribution	\$ 748,568.56 \$748,568.56 603.84 \$603.84 .00 \$0.00 \$749,172.40 138,203.56 4,392.61	524,945.27 \$524,945.27 135.00 \$135.00 .00 \$0.00 \$525,080.27 101,738.96 3,041.95	716,858.00 \$716,858.00 2,508.00 \$2,508.00 23,318.00 \$742,684.00 155,661.00 4,643.00	716,858.00 \$716,858.00 2,500.00 \$2,500.00 .00 \$0.00 \$719,358.00 155,661.00 4,643.00	.00 \$0.00 (8.00) (\$8.00) (\$8.00) (\$23,318.00) (\$23,318.00) (\$23,326.00)	732,609.00 \$732,609.00 2,500.00 \$2,500.00 1.00 \$1.00 \$735,110.00 123,526.00 3,813.00	15,751.00 \$15,751.00 .00 \$0.00 1.00 \$15,752.00 (32,135.00) (830.00)	



		2022 Actual	2023 Actual	2024 Submitted	2024 First Review	Change btw First	2024 Second	Change btw Second and First	
Account	Account Description	Amount	Amount	Budget	Budget	and Submitted	Review Budget	Rev	
	01 - Geographic Information Systems								
EXPENS									
	rtment 060 - Information Technologies								
	b-Department <b>070 - Geographic Information Systems</b> Spannel Services- Employee Benefits								
	cial Security Contributions								
	Social Security Contributions Totals	\$55,775.75	\$38,936.02	\$61,258.00	\$55,031.00	(\$6,227.00)	\$56,236.00	\$1,205.00	
Re	tirement Contributions	φυσ,//υ./υ	\$30,330.02	φ01,230.00	\$55,051.00	(\$0,227.00)	φ30,230.00	\$1,205.00	
45200	IMRF Contribution	49,063.12	26,631.16	41,239.00	32,947.00	(8,292.00)	33,668.00	721.00	
	Retirement Contributions Totals	\$49,063.12	\$26,631.16	\$41,239.00	\$32,947.00	(\$8,292.00)	\$33,668.00	\$721.00	
	Personnel Services- Employee Benefits Totals	\$247,435.04	\$170,348.09	\$262,801.00	\$248,282.00	(\$14,519.00)	\$217,243.00	(\$31,039.00)	
Conti	ractual Services								
Pu	rchased Professional and Technical Services								
	Professional								
50150	Contractual/Consulting Services	144,969.33	160,609.34	312,097.00	311,797.00	(300.00)	311,797.00	.00	
	Professional Totals	\$144,969.33	\$160,609.34	\$312,097.00	\$311,797.00	(\$300.00)	\$311,797.00	\$0.00	
	Purchased Professional and Technical Services Totals	\$144,969.33	\$160,609.34	\$312,097.00	\$311,797.00	(\$300.00)	\$311,797.00	\$0.00	_
	rchased Property Services								
	Repair and Maintenance Services								
52130	Repairs and Maint- Computers	264,815.71	279,018.04	301,766.00	297,546.00	(4,220.00)	297,546.00	.00	
	Repair and Maintenance Services Totals	\$264,815.71	\$279,018.04	\$301,766.00	\$297,546.00	(\$4,220.00)	\$297,546.00	\$0.00	
	Purchased Property Services Totals	\$264,815.71	\$279,018.04	\$301,766.00	\$297,546.00	(\$4,220.00)	\$297,546.00	\$0.00	
	her Purchased Services								
	Insurance, Other Than Employee Benefits	17.025.00	22 200 00	22 200 00	22 200 00	00	22.705.00	(524.00)	
53000	Liability Insurance	17,935.00	23,309.00	23,309.00	23,309.00	.00	22,785.00	(524.00)	
53010	Workers Compensation	21,645.00	17,722.00	17,721.00	17,721.00	.00	15,678.00	(2,043.00)	
53020	Unemployment Claims	542.00	320.00	319.00	319.00	.00	367.00	48.00	
	Insurance, Other Than Employee Benefits Totals	\$40,122.00	\$41,351.00	\$41,349.00	\$41,349.00	\$0.00	\$38,830.00	(\$2,519.00)	
	Travel								
53100	Conferences and Meetings	897.00	480.05	7,000.00	7,000.00	.00	7,000.00	.00	
53110	Employee Training	5,905.00	2,835.00	20,000.00	20,000.00	.00	20,000.00	.00	
53120	Employee Mileage Expense	.00	.00	300.00	300.00	.00	300.00	.00	
	Travel Totals	\$6,802.00	\$3,315.05	\$27,300.00	\$27,300.00	\$0.00	\$27,300.00	\$0.00	
	Other								
53130	General Association Dues	2,660.00	2,670.00	3,000.00	3,000.00	.00	3,000.00	.00	



Account	Account Description	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	Change btw First and Submitted	2024 Second Review Budget	Change btw Second and First Rev	
Account Fund 10	11 - Geographic Information Systems	AHOUHL	Amount	buuget	budget	and Submitted	Review Budget	Rev	
EXPENS									
	rtment 060 - Information Technologies								
	o-Department <b>070 - Geographic Information Systems</b> sactual Services								
Oth	her Purchased Services								
(	Other								
	Other Totals	\$2,660.00	\$2,670.00	\$3,000.00	\$3,000.00	\$0.00	\$3,000.00	\$0.00	
	Other Purchased Services Totals	\$49,584.00	\$47,336.05	\$71,649.00	\$71,649.00	\$0.00	\$69,130.00	(\$2,519.00)	
	Contractual Services Totals	\$459,369.04	\$486,963.43	\$685,512.00	\$680,992.00	(\$4,520.00)	\$678,473.00	(\$2,519.00)	_
	modities								
	neral Supplies	4 267 07	545.50	7 000 00	2 600 00	(4.400.00)	2 600 00	00	
60000	Office Supplies	1,367.87	515.58	7,000.00	2,600.00	(4,400.00)	2,600.00	.00	
60020	Computer Related Supplies	6,454.30	1,927.02	11,000.00	6,031.00	(4,969.00)	6,031.00	.00	
60050	Books and Subscriptions	1,041.92	2,334.00	4,000.00	4,000.00	.00	4,000.00	.00	
60060	Computer Software- Non Capital	2,771.07	.00	5,000.00	3,500.00	(1,500.00)	3,500.00	.00	
60070	Computer Hardware- Non Capital	3,004.84	85.48	6,000.00	4,100.00	(1,900.00)	4,100.00	.00	
	General Supplies Totals	\$14,640.00	\$4,862.08	\$33,000.00	\$20,231.00	(\$12,769.00)	\$20,231.00	\$0.00	
Tei	lephone and Cellphone								
64000	Telephone	4,593.48	1,926.57	4,700.00	6,000.00	1,300.00	6,000.00	.00	
64010	Cellular Phone	721.64	930.22	1,500.00	2,000.00	500.00	2,000.00	.00	
	Telephone and Cellphone Totals	\$5,315.12	\$2,856.79	\$6,200.00	\$8,000.00	\$1,800.00	\$8,000.00	\$0.00	
	Commodities Totals	\$19,955.12	\$7,718.87	\$39,200.00	\$28,231.00	(\$10,969.00)	\$28,231.00	\$0.00	
Capita									
	chinery and Equipment Computer Equipment								
70000	Computers	15,304.00	.00	70,272.00	64,000.00	(6,272.00)	64,000.00	.00	
70020	Computer Software- Capital	5,192.00	.00	17,000.00	12,000.00	(5,000.00)	12,000.00	.00	
70050	Printers	1,049.00	12,899.00	12,000.00	8,000.00	(4,000.00)	8,000.00	.00	
	Computer Equipment Totals	\$21,545.00	\$12,899.00	\$99,272.00	\$84,000.00	(\$15,272.00)	\$84,000.00	\$0.00	
	Machinery and Equipment Totals	\$21,545.00	\$12,899.00	\$99,272.00	\$84,000.00	(\$15,272.00)	\$84,000.00	\$0.00	
	Capital Totals	\$21,545.00	\$12,899.00	\$99,272.00	\$84,000.00	(\$15,272.00)	\$84,000.00	\$0.00	_
Trans	ifers Out								
99001	Transfer to Fund 001	31,282.00	33,616.00	33,616.00	34,585.00	969.00	34,585.00	.00	



Change btw First

Budget Year 2024

Change btw

Second and First

2024 Second

Account Description	Amount	Amount	Budget	Budget	and Submitted	Review Budget	Rev	
Fund 101 - Geographic Information Systems								
EXPENSE								
Department 060 - Information Technologies								
Sub-Department <b>070 - Geographic Information Systems</b> <i>Transfers Out</i>								
Transfers Out Totals	\$31,282.00	\$33,616.00	\$33,616.00	\$34,585.00	\$969.00	\$34,585.00	\$0.00	
Sub-Department <b>070 - Geographic Information Systems</b> Totals	\$1,528,758.60	\$1,236,625.66	\$1,863,085.00	\$1,795,448.00	(\$67,637.00)	\$1,777,642.00	(\$17,806.00)	
Department <b>060 - Information Technologies</b> Totals	\$1,528,758.60	\$1,236,625.66	\$1,863,085.00	\$1,795,448.00	(\$67,637.00)	\$1,777,642.00	(\$17,806.00)	
EXPENSE TOTALS	\$1,528,758.60	\$1,236,625.66	\$1,863,085.00	\$1,795,448.00	(\$67,637.00)	\$1,777,642.00	(\$17,806.00)	
Fund 101 - Geographic Information Systems Totals								
REVENUE TOTALS	\$1,190,471.19	\$672,209.75	\$1,921,160.00	\$1,816,455.00	(\$104,705.00)	\$1,777,642.00	(\$38,813.00)	
EXPENSE TOTALS	\$1,528,758.60	\$1,236,625.66	\$1,863,085.00	\$1,795,448.00	(\$67,637.00)	\$1,777,642.00	(\$17,806.00)	
Fund 101 - Geographic Information Systems Totals	(\$338,287.41)	(\$564,415.91)	\$58,075.00	\$21,007.00	(\$37,068.00)	\$0.00	(\$21,007.00)	
Net Grand Totals								
REVENUE GRAND TOTALS	\$1,190,471.19	\$672,209.75	\$1,921,160.00	\$1,816,455.00	(\$104,705.00)	\$1,777,642.00	(\$38,813.00)	
EXPENSE GRAND TOTALS	\$1,528,758.60	\$1,236,625.66	\$1,863,085.00	\$1,795,448.00	(\$67,637.00)	\$1,777,642.00	(\$17,806.00)	
Net Grand Totals	(\$338,287.41)	(\$564,415.91)	\$58,075.00	\$21,007.00	(\$37,068.00)	\$0.00	(\$21,007.00)	

2024 Submitted

2024 First Review

2022 Actual

2023 Actual



			2020 Actual	2021 Actual	2022 Actual	2023 Actual	2024 Submitted	2024 First Review	FY24 FRL less FY24
G/L Account	Account Descrip		Amount	Amount	Amount	Amount	Budget	Budget	Submitted
_	aphic Information	Systems							
REVENUE									
	60 - Information 1	_							
Sub-Departme			00	00	070.00	00.00	F00.00	F00.00	0/
101.060.000.34010	GIS Counter Sa	ie Fees	.00	.00	970.00	90.00	500.00	500.00	.00
Budg	et Transactions								
Lei	vel	Transaction					Number of Units	Cost Per Unit	Total Amount
Fir:	st Review Budget	GIS COUNTER SALES					1.0000	500.00	500.00
							First Re	view Budget Totals	\$500.00
101.060.000.34180	GIS Fees		1,500,677.00	1,849,147.00	1,206,900.00	670,214.00	1,463,000.00	1,183,800.00	(279,200.00
Com	ments								
	vel	Comment							
	st Review Budget	Recording of Documents	in Pacardars office is	down					
1113	3t Review Budget	Recording of Documents	in recorders office is	down					
Budg	et Transactions								
Lei	vel	Transaction					Number of Units	Cost Per Unit	Total Amount
Fire	st Review Budget	GIS FEE - ILLINOIS STA	TUTE 55ILCS5/3-5018	3			47,352.0000	25.00	1,183,800.00
							First Re	view Budget Totals	\$1,183,800.00
101.060.000.37900	Miscellaneous R	Reimbursement	.00	467.00	.00	.00	.00	.00	.00
101.060.000.38000	Investment Inc		21,648.47	(345.23)	(17,398.81)	1,905.75	15,000.00	15,700.00	700.00
101.000.000.50000	THIVE SUFFICING THE			(373.23)	(17,330.01)	1,505.75	13,000.00	13,700.00	700.00
		ome	,						
Budge	et Transactions	ome	·						
Budge Lev		Transaction	·				Number of Units	Cost Per Unit	Total Amount
Lei			·				Number of Units 1.0000	Cost Per Unit 15,700.00	
Lei	ivel	Transaction	·				1.0000		Total Amount 15,700.00 \$15,700.00
Lei	ivel	Transaction INVESTMENT INCOME -	·	.00	.00	.00	1.0000	15,700.00	15,700.00
Lei Firs 101.060.000.39900	vel st Review Budget Fund Balance U	Transaction INVESTMENT INCOME -	.40%	.00	.00	.00	1.0000 First Re	15,700.00 view Budget Totals	15,700.00 \$15,700.00
Lei Firs 101.060.000.39900 Comm	vel st Review Budget Fund Balance U	Transaction INVESTMENT INCOME - tilization	.40%	.00	.00	.00	1.0000 First Re	15,700.00 view Budget Totals	15,700.00 \$15,700.00
Lei Firs 101.060.000.39900 Comm Lei	st Review Budget  Fund Balance U ments vel	Transaction INVESTMENT INCOME - tilization  Comment	.40%				1.0000 First Re	15,700.00 view Budget Totals	15,700.00 \$15,700.00
Lei Firs 101.060.000.39900 Comm Lei	vel st Review Budget Fund Balance U	Transaction INVESTMENT INCOME - Itilization  Comment Documents recorded are	.40% .00 e down, therefore nee				1.0000 First Re	15,700.00 view Budget Totals	15,700.00 \$15,700.00
Lei Firs 101.060.000.39900 Comm Lei	st Review Budget  Fund Balance U ments vel	Transaction INVESTMENT INCOME - tilization  Comment	.40% .00 e down, therefore nee				1.0000 First Re	15,700.00 view Budget Totals	15,700.00 \$15,700.00
Let Firs 101.060.000.39900 Comm Let Firs	st Review Budget  Fund Balance U ments vel	Transaction INVESTMENT INCOME - Itilization  Comment Documents recorded are	.40% .00 e down, therefore nee				1.0000 First Re	15,700.00 view Budget Totals	15,700.00 \$15,700.00
Let Firs 101.060.000.39900 Comm Let Firs	rvel st Review Budget  Fund Balance U ments rvel st Review Budget	Transaction INVESTMENT INCOME - Itilization  Comment Documents recorded are	.40% .00 e down, therefore nee				1.0000 First Re	15,700.00 view Budget Totals	15,700.00 \$15,700.00
Let Firs 101.060.000.39900 Comm Let Firs Budge Let	rvel st Review Budget  Fund Balance U ments rvel st Review Budget	Transaction INVESTMENT INCOME - Itilization  Comment Documents recorded are We have also adjusted e	.40% .00 e down, therefore nee				1.0000 First Re 442,660.00	15,700.00 view Budget Totals 616,455.00	15,700.00 \$15,700.00 173,795.00
Let Firs 101.060.000.39900 Comm Let Firs Budge Let	rvel st Review Budget  Fund Balance U ments rvel st Review Budget  Jet Transactions rvel	Transaction INVESTMENT INCOME - Itilization  Comment Documents recorded are We have also adjusted e	.40% .00 e down, therefore nee				1.0000 First Re 442,660.00 Number of Units 1.0000	15,700.00 view Budget Totals 616,455.00 Cost Per Unit	15,700.00 \$15,700.00 173,795.00 <i>Total Amount</i> 616,455.00
Let Firs 101.060.000.39900 Comm Let Firs Budge Let	Fund Balance U ments vel st Review Budget  Transactions vel st Review Budget	Transaction INVESTMENT INCOME -  tilization  Comment Documents recorded are We have also adjusted e  Transaction Funds to Balance GIS	.40% .00 e down, therefore nee	ded to add more to th	is line item to balance	FY2024 Budget.	1.0000 First Re 442,660.00 Number of Units 1.0000 First Re	15,700.00 view Budget Totals 616,455.00  Cost Per Unit 616,455.00 view Budget Totals	15,700.00 \$15,700.00 173,795.00 <i>Total Amount</i> 616,455.00 \$616,455.00
Let Firs  101.060.000.39900  Comm Let Firs  Budge Let Firs	Fund Balance U ments vel st Review Budget  st Review Budget  st Review Budget  st Review Budget  Sub-Department	Transaction INVESTMENT INCOME - Itilization  Comment Documents recorded are We have also adjusted e	.40% .00 e down, therefore nee				1.0000 First Re 442,660.00 Number of Units 1.0000	15,700.00 view Budget Totals 616,455.00 Cost Per Unit 616,455.00	15,700.00 \$15,700.00 173,795.00 <i>Total Amount</i> 616,455.00



G/L Account	Account Description	1	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted
Fund <b>101 - Ge</b>	eographic Information Sy	rstems							
EXPENSE									
Department	060 - Information Tech	hnologies							
Sub-Depar	rtment 070 - Geographi	c Information Systems							
101.060.070.4000	00 Salaries and Wages	5	735,727.80	749,325.30	748,568.56	524,945.27	716,858.00	716,858.00	.00
C	Comments								
	Level	Comment							
	Second Review Budget	Position 969013011 (25%	a) added at level 2						
_			,						
P	Position Transactions								
	Level	Position			71-	Code			Total Amount
	First Review Budget	906011005 - Director Chi	_		Earnings				122,992.00
	First Review Budget	906011017 - Office Mana	~		arnings				98,393.00
	First Review Budget	906012073 - Spatial Solu			Earnings				56,846.00
	First Review Budget	906013021 - GIS Manage		E	arnings				81,467.00
	First Review Budget	906013022 - CAD Special		E	arnings				42,367.00
	First Review Budget	906013035 - CAD Manag	er	E	Earnings				69,363.00
	First Review Budget	906013038 - CAD Analyst		E	arnings				62,235.00
	First Review Budget	906013039 - GIS Analyst		E	Earnings				51,547.00
	First Review Budget	906013040 - CAD Special	ist II	E	Earnings				48,287.00
	First Review Budget	906016042 - GIS Speciali	st II	E	arnings				37,699.00
	First Review Budget	917016019 - CAD Special	ist	E	arnings				45,662.00
							First Re	view Budget Totals	\$716,858.00
01.060.070.4000	02 Non-Union Wage I	ncrease	.00	.00	.00	.00	23,318.00	.00	(23,318.00)
В	Budget Transactions								
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount
	First Review Budget	Accrual on FY23 Non Unio	on Wage Increase				.0030	23,248.00	70.00
	First Review Budget	Finance: Remove FY23 N	IU Wage Inc/Accrual				1.0000	(23,318.00)	(23,318.00)
	First Review Budget	FY23 Non Union Wage In	crease				1.0000	23,248.00	23,248.00
							First Re	view Budget Totals	\$0.00
		s Subsidy	(13,367.69)	(26.01)	.00	.00	.00	.00	.00
— 101.060.070.4000	09 Salaries and Wages					125.00	2,508.00	2,500.00	(8.00)
— 101.060.070.4000 101.060.070.4020	_	,	634.66	373.91	603.84	135.00	2,506.00	2,300.00	(0.00)
101.060.070.4020	00 Overtime Salaries		634.66	373.91	603.84	135.00	2,506.00	2,300.00	(6.55)
101.060.070.4020	00 Overtime Salaries Budget Transactions	·	634.66	373.91	603.84	135.00	·	·	
101.060.070.4020	00 Overtime Salaries	Transaction Overtime to complete GIS		373.91	603.84	135.00	Number of Units 1.0000	Cost Per Unit 2,500.00	Total Amount 2,500.00



G/L Account	Account Description		2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted
Fund <b>101 - G</b>	eographic Information S	ystems					-		
EXPENSE									
Department	t 060 - Information Tec	chnologies							
Sub-Depa	artment 070 - Geograph	ic Information Systems							
101.060.070.450		-	128,499.38	133,962.29	138,203.56	101,738.96	155,661.00	155,661.00	.00
	Dead and Toron and the se								
	Budget Transactions	Toronalism					At C	Cook Boulde's	T-1-1 A
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount
	First Review Budget	AHMED, MAZHER					1.0000	11,884.00	11,884.00
	First Review Budget	CHIDESTER, LORRAINE					1.0000	11,884.00	11,884.00
	First Review Budget	DIECKMANN, DONALD					1.0000	14,473.00	14,473.00
	First Review Budget	Final Rate Adjustment per 8-	10-22 HSC				1.0000	(5,452.00)	(5,452.00)
	First Review Budget	FINSTROM, LENNY - 76.58%					.7658	20,700.00	15,852.00
	First Review Budget	KRUEGER, NICHOLAS					1.0000	7,359.00	7,359.00
	First Review Budget	LEBO, KURT - 45%					.4500	20,700.00	9,315.00
	First Review Budget	MESCHER, TIM - 83.3%					.8330	23,501.00	19,576.00
	First Review Budget	MULLINS, MICHAEL					1.0000	11,884.00	11,884.00
	First Review Budget	NICOSKI, THOMAS					1.0000	23,501.00	23,501.00
	First Review Budget	PETOSKEY, PAMELA					1.0000	11,884.00	11,884.00
	First Review Budget	PINTACURA, SALVATORE					1.0000	23,501.00	23,501.00
		,						eview Budget Totals	\$155,661.00
- 01.060.070.450	009 Healthcare Subsid	у	(1,588.99)	(2.20)	.00	.00	.00	.00	.00
01.060.070.450	010 Dental Contributio	n	4,250.10	4,646.16	4,392.61	3,041.95	4,643.00	4,643.00	.00
	Budget Transactions								
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount
	First Review Budget	AHMED, MAZHER					1.0000	256.00	256.00
	First Review Budget	CHIDESTER, LORRAINE					1.0000	256.00	256.00
	First Review Budget	DIECKMANN, DONALD					1.0000	666.00	666.00
	_	•					.7658	666.00	
	First Review Budget	FINSTROM, LENNY - 76.58%							510.00
	First Review Budget	KRUEGER, NICHOLAS					1.0000	256.00	256.00
		LEBO, KURT - 45%					.4500	666.00	300.00
	First Review Budget	•							
	First Review Budget	MESCHER, TIM - 83.3%					.8330	666.00	555.00
	First Review Budget First Review Budget	MESCHER, TIM - 83.3% MULLINS, MICHAEL					1.0000	256.00	256.00
	First Review Budget First Review Budget First Review Budget	MESCHER, TIM - 83.3% MULLINS, MICHAEL NICOSKI, THOMAS					1.0000 1.0000	256.00 666.00	256.00 666.00
	First Review Budget First Review Budget	MESCHER, TIM - 83.3% MULLINS, MICHAEL NICOSKI, THOMAS PETOSKEY, PAMELA					1.0000	256.00	256.00 666.00 256.00
	First Review Budget First Review Budget First Review Budget	MESCHER, TIM - 83.3% MULLINS, MICHAEL NICOSKI, THOMAS					1.0000 1.0000	256.00 666.00	256.00 666.00 256.00 666.00
	First Review Budget First Review Budget First Review Budget First Review Budget	MESCHER, TIM - 83.3% MULLINS, MICHAEL NICOSKI, THOMAS PETOSKEY, PAMELA					1.0000 1.0000 1.0000 1.0000	256.00 666.00 256.00	256.00 666.00 256.00



G/L Account	Account Descriptio	n	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted
Fund 101 - Geograp	phic Information Sy	ystems						-	
EXPENSE									
Department 060	0 - Information Tec	hnologies							
Sub-Department	t 070 - Geographi	ic Information Syste	ems						
101.060.070.45100	FICA/SS Contributi		54,177.25	55,832.66	55,775.75	38,936.02	61,258.00	55,031.00	(6,227.00)
Pudaoi	t Transactions								
Leve	t Transactions	Transaction					Number of Units	Cost Per Unit	Total Amount
		FICA/SS - 7.65% of	Total Calarias				.0765		55,030.89
FIISL	Review Budget	FICA/55 - 7.05% UI	Total Salaries					719,358.00	\$55,030.89
								eview Budget Totals	
101.060.070.45109	FICA/SS Subsidy		(920.98)	(1.89)	.00	.00	.00	.00	.00
101.060.070.45200	IMRF Contribution		56,738.80	64,033.29	49,063.12	26,631.16	41,239.00	32,947.00	(8,292.00)
Budget	t Transactions								
Leve		Transaction					Number of Units	Cost Per Unit	Total Amount
First	Review Budget	IMRF - 5.15% of To	otal Salaries (Full-Time)				.0458	719,358.00	32,946.60
			, ,				First Re	eview Budget Totals	\$32,946.60
101.060.070.45209	IMRF Subsidy		(1,074.85)	(2.29)	.00	.00	.00	.00	.00.
101.060.070.50150	Contractual/Consu	Itina Services	186,470.53	234,850.50	144,969.33	160,609.34	312,097.00	311,797.00	(300.00)
	·	iang services	200, 17 0100	25 ./555.55	11.1/505155	100,005.5	312,037.00	311,771.00	(555.55)
_	t Transactions								
Leve		Transaction					Number of Units	Cost Per Unit	Total Amount
First	t Review Budget	1. DIGITAL ORTHOS	S NEIL 3" (GIS FUND) (21-0	19)			1.0000	120,000.00	120,000.00
First	Review Budget		EagleView/Pictometry 3" (19	•			1.0000	128,706.00	128,706.00
First	Review Budget	3. ADS ONLINE DOO	OR CONTROL SOFTWARE (	QUARTERLY)			4.0000	275.00	1,100.00
First	Review Budget	4. SIDWELL PARCEL	L FABRIC				1.0000	34,241.00	34,241.00
First	Review Budget	5. COLOR AERIAL F	RAMES				1.0000	2,600.00	2,600.00
First	Review Budget	6. NEARMAP					1.0000	25,000.00	25,000.00
First	Review Budget	7. BIDS/ADS - CHIC	CAGE TRIBUNE				1.0000	150.00	150.00
							First Re	eview Budget Totals	\$311,797.00
101.060.070.52130	Repairs and Maint-	Computers	238,475.25	250,007.30	264,815.71	279,018.04	301,766.00	297,546.00	(4,220.00)
Comme	ents								
Leve	e/	Comment							
First	Review Budget	Moved numbers aro	ound within this line item to	accommodate for sof	tware increases.				
. 1130									
Budget	t Transactions								
Leve	el	Transaction					Number of Units	Cost Per Unit	Total Amount
First	Review Budget	ESRI ARCGIS ONLIN	NE PREMIUM FEATURE DAT	A STORE M-1			1.0000	5,000.00	5,000.00
		ECDI CIC COFTILIA		AADOLI)			1 0000	255,000,00	255 000 00
First	t Review Budget	ESRI GIS SOFTWAR	RE MAINTENANCE (19-37) (I	MARCH)			1.0000	255,000.00	255,000.00



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G/L Account	Account Description	n	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitte
·	raphic Information Sy		Amount	Amount	Amount	Amount	buuget	budget	Submitte
EXPENSE	grapine imormación by	Stellis							
	060 - Information Tecl	hnologies							
		c Information Systems							
	First Review Budget	FDC PLOTTER MAINTENANCE	CF (1ANUARY)				1.0000	1,100.00	1,100.00
	First Review Budget	LASERFICHE MAINTENANCE	,				1.0000	1,246.00	1,246.00
	First Review Budget	OPENTEXT DESKTOP VIEWE	` ,	^)			1.0000	700.00	700.00
	First Review Budget	SIDWELL PARCEL BUILDER	`	•			1.0000	6,000.00	6,000.00
	First Review Budget	SIDWELL PARCEL BUILDER		` '			1.0000	16,000.00	16,000.00
	First Review Budget	SIDWELL PARCEL FABRIC M	•	•			1.0000	5,000.00	5,000.00
	J		•	,			First Re	eview Budget Totals	\$297,546.00
 101.060.070.53000	Liability Insurance		15,373.00	14,248.00	17,935.00	23,309.00	23,309.00	23,309.00	.0
Bur	dant Transactions								
	dget Transactions Level	Transaction					Number of Units	Cost Per Unit	Total Amount
	First Review Budget	LIABILITY INSURANCE - 2.9	220% OF TOTAL SAL	ADTEC			.0292	774,930.00	22,628.00
	First Review Budget	Liability Insurance on FY23 I					.0292	23,318.00	681.00
· ·	iist Neview Budget	Liability Insurance on 1 123	Non Onion Wage In	crease				eview Budget Totals	\$23,309.00
101.060.070.53010	Workers Compensa	ition	18,756.00	22,346.00	21,645.00	17,722.00	17,721.00	17,721.00	.0
Buc	dget Transactions								
L	Level	Transaction					Number of Units	Cost Per Unit	Total Amount
F	First Review Budget	WC on FY23 Non Union Wag	ge Increase				.0222	23,318.00	518.00
F	First Review Budget	WORKERS COMP - 2.22% O	OF TOTAL SALARIES	;			.0222	774,930.00	17,203.00
							First Re	eview Budget Totals	\$17,721.00
 101.060.070.53020	Unemployment Clai	ims	443.00	450.00	542.00	320.00	319.00	319.00	.0
Buc	dget Transactions								
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount
F	First Review Budget	UNEMPLOYMENT CLAIMS -	.04% OF TOTAL SA	LARIES			.0004	774,930.00	310.00
F	First Review Budget	Unemployment Claims on F	Y23 Non Union Wag	je Increase			.0004	23,318.00	9.00
							First Re	eview Budget Totals	\$319.00
 101.060.070.53100	Conferences and M	leetings	2,309.50	1,332.00	897.00	480.05	7,000.00	7,000.00	.0
Buc	dget Transactions								
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount
	First Review Budget	ESRI USER CONFERENCE					1.0000	3,500.00	3,500.00
F	Juaget							•	•
	First Review Budget	ILGISA CONFERENCE					1.0000	2,500.00	2,500.00
F	First Review Budget First Review Budget	ILGISA CONFERENCE ILGISA/IPA MEETINGS					1.0000 1.0000	2,500.00 1,000.00	2,500.00 1,000.00



'L Account	Account Description	n	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted
ind 101 - Geogra	aphic Information Sy	/stems							
EXPENSE									
Department 06	60 - Information Tec	hnologies							
Sub-Departme		c Information Systems							
1.060.070.53110	Employee Training		1,793.22	6,002.60	5,905.00	2,835.00	20,000.00	20,000.00	.00
Budg	et Transactions								
Lei		Transaction					Number of Units	Cost Per Unit	Total Amount
	st Review Budget	EMPLOYEE TRAINING					1,0000	20,000.00	20,000.00
							First Re	view Budget Totals	\$20,000.00
 01.060.070.53120	Employee Mileage	Expense	.00	.00	.00	.00	300.00	300.00	.00
Puda	ot Transactions								
Lei	et Transactions	Transaction					Number of Units	Cost Per Unit	Total Amount
	st Review Budget	EMPLOYEE MILEAGE EXP	PENSE				1.0000	300.00	300.00
1 113	st Neview Budget	ENI LOTEL MILLAGE EXI	LIVOL					view Budget Totals	\$300.00
	Canaval Association	- D	2.405.00	2.115.00	2,660,00	2.670.00			
1.060.070.53130	General Association	1 Dues	2,495.00	2,115.00	2,660.00	2,670.00	3,000.00	3,000.00	.00
Budge	et Transactions								
Lei	vel	Transaction					Number of Units	Cost Per Unit	Total Amount
Firs	st Review Budget	BUFFER FOR UNEXPECTE	ED INCREASE				1.0000	675.00	675.00
Firs	st Review Budget	CIAO - CERTIFIED ILLINO	OIS ASSESSING OFFIC	ER			6.0000	20.00	120.00
Firs	st Review Budget	GISP - GIS PROFESSION	AL RENEWALS				2.0000	285.00	570.00
Firs	st Review Budget	IAAO - ILLINOIS CHAPTE	R DUES				2.0000	30.00	60.00
Firs	st Review Budget	IAAO - INTERNATIONAL	ASSOCIATION OF ASS	SESSING OFFICERS			2.0000	200.00	400.00
Firs	st Review Budget	IAAO - INTERNATIONAL	ASSOCIATION OF ASS	SESSING OFFICERS CN	4S		1.0000	380.00	380.00
Firs	st Review Budget	ILGISA - ILLINOIS GEOG	RAPHICAL INFORMAT	ION SYSTEMS ASSOC	IATION		6.0000	70.00	420.00
Firs	st Review Budget	URISA - URBAN REGIONA	AL INFORMATION SYS	TEM ASSOCIATION			1.0000	175.00	175.00
Firs	st Review Budget	URISA - URBAN REGIONA	AL INFORMATION SYS	TEM ASSOCIATION			2.0000	100.00	200.00
							First Re	view Budget Totals	\$3,000.00
1.060.070.60000	Office Supplies		2,423.66	2,558.68	1,367.87	515.58	7,000.00	2,600.00	(4,400.00)
Budg	et Transactions								
Lei		Transaction					Number of Units	Cost Per Unit	Total Amount
Firs	st Review Budget	AMAZON OFFICE SUPPLI	ES				1.0000	1,150.00	1,150.00
	-	CENTURY CRRINES					1.0000	300.00	300.00
Firs	st Review Budget	CENTURY SPRINGS							
	st Review Budget st Review Budget	WAREHOUSE DIRECT OF	FICE SUPPLIES				1.0000	1,150.00	1,150.00



G/L Account	Account Description	nn	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted
	aphic Information S		Amount	Amount	Amount	Amount	Daaget	Dudget	Submittee
EXPENSE		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
	50 - Information Te	hnologies							
		ic Information Systems							
101.060.070.60020	Computer Related		3,047.56	3,805.70	6,454.30	1,927.02	11,000.00	6,031.00	(4,969.00)
D 1		•							
	et Transactions	Torrestina					Alouada ao a Cilia ita	Cook Boulde't	Tatal Assault
Lei		Transaction					Number of Units	Cost Per Unit	Total Amount
	st Review Budget	COMPUTER RELATED SUF					1.0000	531.00	531.00
	st Review Budget	HARD DRIVES FOR AERIA					4.0000	100.00	400.00
	st Review Budget	KANEGIS SUPPLIES -DVD	's, ENVELOPES, LABEL	S AND MAILERS			3.0000	200.00	600.00
	st Review Budget	PLOTTERS - PAPER					6.0000	150.00	900.00
	st Review Budget	PLOTTERS - TONER					12.0000	200.00	2,400.00
Firs	st Review Budget	PRINTERS - TONER					12.0000	100.00	1,200.00
							First Re	view Budget Totals	\$6,031.00
101.060.070.60050	Books and Subscr	ptions	.00	1,178.43	1,041.92	2,334.00	4,000.00	4,000.00	.00
Budg	et Transactions								
Lei	vel	Transaction					Number of Units	Cost Per Unit	Total Amount
Firs	st Review Budget	BOOKS AND SUBSCRIPTION	ONS				1.0000	1,500.00	1,500.00
Firs	st Review Budget	VISUAL STUDIO ULTIMAT	TE W/MSDN ONLINE				1.0000	2,500.00	2,500.00
	-		•				First Re	view Budget Totals	\$4,000.00
101.060.070.60060	Computer Softwar	e- Non Capital	3,418.94	2,712.10	2,771.07	.00	5,000.00	3,500.00	(1,500.00)
Ruda	et Transactions								
Le <sub>1</sub>		Transaction					Number of Units	Cost Per Unit	Total Amount
	st Review Budget	ADOBE ACROBAT YEARLY	/ SUBSCRIPTIONS				10.0000	150.00	1,500.00
	st Review Budget	MISC DESKTOP SOFTWAR		ro			1.0000	2,000.00	2,000.00
1 113	or neview badger	THE BLOKE OF SOLITON	te of ordibed express					view Budget Totals	\$3,500.00
101.060.070.60070	Computer Hardwa	re- Non Capital	297.64	298.00	3,004.84	85.48	6,000.00	4,100.00	(1,900.00)
		·			·		·	·	
	et Transactions	Tuonostion					No mala au af I laita	Cook Dou I Init	Total American
Lei		Transaction	LIADDWADE				Number of Units	Cost Per Unit	Total Amount
	st Review Budget	COMPUTER NON CAPITAL	_ MAKDWAKE				1.0000	2,100.00	2,100.00
	st Review Budget	MONITOR UPGRADES					2.0000	295.00	590.00
	st Review Budget	PRINTERS	IDCDADEC				1.0000	750.00	750.00
Firs	st Review Budget	UPS - BATTERY BACKUP (	JPGKADES				2.0000	330.00	660.00
							First Re	view Budget Totals	\$4,100.00



		2020 Actual	2021 Actual	2022 Actual	2023 Actual	2024 Submitted	2024 First Review	FY24 FRL less FY24
G/L Account Description		Amount	Amount	Amount	Amount	Budget	Budget	Submitted
Fund 101 - Geographic Information S	ystems							
EXPENSE								
Department 060 - Information Tec	chnologies							
Sub-Department 070 - Geograph	ic Information Systems							
101.060.070.64000 Telephone		3,168.26	3,395.48	4,593.48	1,926.57	4,700.00	6,000.00	1,300.00
Budget Transactions								
Budget Transactions	Turneration					Manuala and Cities to	Cook Bouldeit	T- t- / A t
Level	Transaction					Number of Units	Cost Per Unit	Total Amount
First Review Budget	1 FAX LINE PLUS USAGE - 0		IID			12.0000	50.00	600.00
First Review Budget	11 CISCO PHONES - CHARC					1.0000	3,882.00	3,882.00
First Review Budget	11 CISCO PHONES - USAGE	E - CHARGEBACK FRO	DTI MC			1.0000	328.00	328.00
First Review Budget	ADDITIONAL COST ANTICP	PATED FROM ITD				1.0000	1,190.00	1,190.00
						First Re	view Budget Totals	\$6,000.00
101.060.070.64010 Cellular Phone		1,494.54	1,445.68	721.64	930.22	1,500.00	2,000.00	500.00
B 1 1 T								
Budget Transactions								
Level	Transaction					Number of Units	Cost Per Unit	Total Amount
First Review Budget	1 VERIZON WIRELESS - CH					12.0000	37.00	444.00
First Review Budget	2 VERIZON WIRELESS - CH	iargeback from it	D - PHONES			1.0000	1,556.00	1,556.00
						First Re	view Budget Totals	\$2,000.00
101.060.070.70000 Computers		65,729.00	2,137.00	15,304.00	.00	70,272.00	64,000.00	(6,272.00)
Budget Transactions								
Level	Transaction					Number of Units	Cost Per Unit	Total Amount
First Review Budget	UPGRADE CURRENT GIS SY	CTEMS DESETODS	EIRED AND DOLITEDS			1.0000	64,000.00	64,000.00
Tilst Neview Budget	OFGRADE CORRENT GIS ST	istens, desktors,	TIBER AND ROUTERS				view Budget Totals	\$64,000.00
								, ,
101 060 070 70020 Computer C-ferrer							12 000 00	
101.060.070.70020 Computer Softwar	e- Capital	.00	6,490.00	5,192.00	.00	17,000.00	12,000.00	(5,000.00)
	e- Capital	.00	6,490.00	5,192.00	.00	17,000.00	12,000.00	(5,000.00)
Budget Transactions		.00	6,490.00	5,192.00	.00	,	,	
Budget Transactions <i>Level</i>	Transaction		·	5,192.00	.00	Number of Units	Cost Per Unit	Total Amount
Budget Transactions			·	5,192.00	.00	Number of Units 1.0000	Cost Per Unit 12,000.00	Total Amount 12,000.00
Budget Transactions <i>Level</i>	Transaction		·	5,192.00	.00	Number of Units 1.0000	Cost Per Unit	Total Amount
Budget Transactions <i>Level</i>	Transaction		·	1,049.00	12,899.00	Number of Units 1.0000	Cost Per Unit 12,000.00	Total Amount 12,000.00 \$12,000.00
Budget Transactions  Level First Review Budget  101.060.070.70050 Printers	Transaction	C SOFTWARE UPGRA	ADES	,		Number of Units 1.0000 First Re	Cost Per Unit 12,000.00 view Budget Totals	Total Amount 12,000.00 \$12,000.00
Budget Transactions  Level First Review Budget  101.060.070.70050 Printers  Budget Transactions	Transaction ARCGIS/EXTENSIONS, MISO	C SOFTWARE UPGRA	ADES	,		Number of Units 1.0000 First Re 12,000.00	Cost Per Unit 12,000.00 view Budget Totals 8,000.00	Total Amount 12,000.00 \$12,000.00 (4,000.00)
Budget Transactions  Level First Review Budget  101.060.070.70050 Printers  Budget Transactions  Level	Transaction ARCGIS/EXTENSIONS, MISO	C SOFTWARE UPGRA	ADES	,		Number of Units 1.0000 First Re 12,000.00  Number of Units	Cost Per Unit 12,000.00 view Budget Totals 8,000.00  Cost Per Unit	Total Amount 12,000.00 \$12,000.00 (4,000.00)
Budget Transactions  Level First Review Budget  101.060.070.70050 Printers  Budget Transactions	Transaction ARCGIS/EXTENSIONS, MISO	C SOFTWARE UPGRA	ADES	,		Number of Units 1.0000 First Re 12,000.00  Number of Units 1.0000	Cost Per Unit 12,000.00 view Budget Totals 8,000.00	Total Amount 12,000.00 \$12,000.00 (4,000.00)



G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted	
	phic Information Systems								
EXPENSE									
Department 060	) - Information Technologies								
Sub-Departmen	070 - Geographic Information Systems								
101.060.070.99000	Transfer To Other Funds	42,304.00	42,304.00	.00	.00	.00	.00	.00	
Budge	t Transactions								
Leve	el Transaction					Number of Units	Cost Per Unit	Total Amount	
First	Review Budget FSD Reclass to 101.060	.070.99001				1.0000	(33,616.00)	(33,616.00)	
First	Review Budget ITD Transfer to 001.060	0.000.39000 11.54 * \$	2,913			1.0000	33,616.00	33,616.00	
						First Re	view Budget Totals	\$0.00	
101.060.070.99001	Transfer to Fund 001	.00	.00	31,282.00	33,616.00	33,616.00	34,585.00	969.00	
Budge	t Transactions								
Leve	el Transaction					Number of Units	Cost Per Unit	Total Amount	
First	Review Budget GIS IT TECH SUPPORT					1.0000	34,585.00	34,585.00	
						First Re	view Budget Totals	\$34,585.00	
Sub-Depa	rtment 070 - Geographic Information Systems Totals	\$1,550,964.74	\$1,605,817.60	\$1,528,758.60	\$1,236,625.66	\$1,863,085.00	\$1,795,448.00	(\$67,637.00)	
Department	060 - Information Technologies Totals	\$1,550,964.74	\$1,605,817.60	\$1,528,758.60	\$1,236,625.66	\$1,863,085.00	\$1,795,448.00	(\$67,637.00)	
	EXPENSE TOTALS	\$1,550,964.74	\$1,605,817.60	\$1,528,758.60	\$1,236,625.66	\$1,863,085.00	\$1,795,448.00	(\$67,637.00)	
Fund <b>101</b> -	Geographic Information Systems Totals								
	REVENUE TOTALS	\$1,522,325.47	\$1,849,268.77	\$1,190,471.19	\$672,209.75	\$1,921,160.00	\$1,816,455.00	(\$104,705.00)	
	EXPENSE TOTALS	\$1,550,964.74	\$1,605,817.60	\$1,528,758.60	\$1,236,625.66	\$1,863,085.00	\$1,795,448.00	(\$67,637.00)	
Fund <b>101</b> -	Geographic Information Systems Totals	(\$28,639.27)	\$243,451.17	(\$338,287.41)	(\$564,415.91)	\$58,075.00	\$21,007.00	(\$37,068.00)	
	Net Grand Totals								
	REVENUE GRAND TOTALS	\$1,522,325.47	\$1,849,268.77	\$1,190,471.19	\$672,209.75	\$1,921,160.00	\$1,816,455.00	(\$104,705.00)	
	EXPENSE GRAND TOTALS	\$1,550,964.74	\$1,605,817.60	\$1,528,758.60	\$1,236,625.66	\$1,863,085.00	\$1,795,448.00	(\$67,637.00)	
	Net Grand Totals	(\$28,639.27)	\$243,451.17	(\$338,287.41)	(\$564,415.91)	\$58,075.00	\$21,007.00	(\$37,068.00)	



#### FY24 SR Second Level Budget Detail - GIS Budget Year 2024

G/L Account Account De	scription	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund 101 - Geographic Informa		Amount	Amount	Amount	Amount	Duaget	Duaget	Review budget	Zilu dilu 13t KCV
REVENUE									
Department 060 - Information	on Technologies								
Sub-Department 000 - Rev	enues								
Charges for Services									
101.060.000.34010 GIS Counte	Sale Fees	.00	.00	970.00	90.00	500.00	500.00	500.00	.00
Budget Transactions									
Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
Second Review Bu	dget GIS COUNTER SALES					1.0000	500.00	500.00	
						Second Re	view Budget Totals	\$500.00	
101.060.000.34180 GIS Fees		1,500,677.00	1,849,147.00	1,206,900.00	670,214.00	1,463,000.00	1,183,800.00	1,183,800.00	.00
Comments									
Level	Comment								
First Review Budge	t Recording of Document	s in Recorders office is	down						
Budget Transactions									
Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
Second Review Bu		ATUTE 55ILCS5/3-5018	3			47,352.0000	25.00	1,183,800.00	
	·	,				Second Re	view Budget Totals	\$1,183,800.00	
	Charges for Services Totals	\$1,500,677.00	\$1,849,147.00	\$1,207,870.00	\$670,304.00	\$1,463,500.00	\$1,184,300.00	\$1,184,300.00	\$0.00
Reimbursements									
Other									
101.060.000.37900 Miscellaneo	us Reimbursement	.00	467.00	.00	.00	.00	.00	.00	.00
	Other Totals	\$0.00	\$467.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Reimbursements Totals	\$0.00	\$467.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Interest Revenue	_								
101.060.000.38000 Investment	Income	21,648.47	(345.23)	(17,398.81)	1,905.75	15,000.00	15,700.00	15,700.00	.00
<b>Budget Transactions</b>									
Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
Second Review Bu	dget INVESTMENT INCOME	40%				1.0000	15,700.00	15,700.00	
						Second Re	view Budget Totals	\$15,700.00	
	Interest Revenue Totals	\$21,648.47	(\$345.23)	(\$17,398.81)	\$1,905.75	\$15,000.00	\$15,700.00	\$15,700.00	\$0.00
			• •	* * *					



#### FY24 SR Second Level Budget Detail - GIS Budget Year 2024

G/L Account	Account Description	n	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change betwee 2nd and 1st R
	graphic Information Sy		ranounc	Amount	7 arriodite	ranounc	Buaget	Daaget	Review Budget	Zila alia 130
REVENUE		•								
	060 - Information Tec	hnologies								
	ment 000 - Revenues	_								
Other										
01.060.000.39900	Fund Balance Utiliz	ation	.00	.00	.00	.00	442,660.00	616,455.00	577,642.00	(38,813.
	mments									
	Level	Comment								
I	First Review Budget	Documents recorded are	down, therefore need	led to add more to t	his line item to balanc	e FY2024 Budget.				
		We have also adjusted e	xpenses.							
Bu	dget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
9	Second Review Budget	Additional Funds to Bala	nce GIS				1.0000	128,541.00	128,541.00	
9	Second Review Budget	Funds to Balance GIS					1.0000	449,101.00	449,101.00	
							Second Re	view Budget Totals	\$577,642.00	
		Other Totals	\$0.00	\$0.00	\$0.00	\$0.00	\$442,660.00	\$616,455.00	\$577,642.00	(\$38,813
	Sub-Department 00	00 - Revenues Totals	\$1,522,325.47	\$1,849,268.77	\$1,190,471.19	\$672,209.75	\$1,921,160.00	\$1,816,455.00	\$1,777,642.00	(\$38,813
Departme	ent 060 - Information	Technologies Totals	\$1,522,325.47	\$1,849,268.77	\$1,190,471.19	\$672,209.75	\$1,921,160.00	\$1,816,455.00	\$1,777,642.00	(\$38,813
		REVENUE TOTALS	\$1,522,325.47	\$1,849,268.77	\$1,190,471.19	\$672,209.75	\$1,921,160.00	\$1,816,455.00	\$1,777,642.00	(\$38,813.
EXPENSE										
Department	060 - Information Tec	hnologies								
		c Information Systems								
	vices- Salaries & Wages									
Regular Em	,		735,727.80	740 225 20						
01.060.070.40000	Salaries and Wages	S	/35 /2 / 80							
			755,727.00	749,325.30	748,568.56	524,945.27	716,858.00	716,858.00	732,609.00	15,75.
Co	mments		733,727.00	/49,325.30	/48,568.56	524,945.27	/16,858.00	716,858.00	732,609.00	15,75.
	mments <i>Level</i>	Comment	733,727.00	749,325.30	/48,568.56	524,945.27	/16,858.00	716,858.00	732,609.00	15,75:
			·	749,325.30	/48,568.56	524,945.27	716,858.00	716,858.00	732,609.00	15,75:
9	Level	Comment	·	749,325.30	/48,568.56	524,945.27	716,858.00	716,858.00	732,609.00	15,75
Pos	Level Second Review Budget	Comment	·		748,568.56  Type	524,945.27  Code	716,858.00	716,858.00	732,609.00  Total Amount	15,75
Pos	Level Second Review Budget sition Transactions	Comment Position 969013011 (259	%) added at level 2		,	·	716,858.00	716,858.00		15,75:
Pos	Level Second Review Budget sition Transactions Level	Comment Position 969013011 (259) Position	%) added at level 2		Туре	·	716,858.00	716,858.00	Total Amount	15,75
Pos	Level Second Review Budget sition Transactions Level Second Review Budget	Comment Position 969013011 (259) Position 906011005 - Director Ch	%) added at level 2 ief GIS Technologies		<i>Type</i> Earnings	·	716,858.00	716,858.00	Total Amount 122,992.00	15,75
Pos	Second Review Budget sition Transactions Level Second Review Budget Second Review Budget	Comment Position 969013011 (259) Position 906011005 - Director Ch 906011017 - Office Man.	6) added at level 2 ief GIS Technologies ager itions Officer		<i>Type</i> Earnings Earnings	·	716,858.00	716,858.00	Total Amount 122,992.00 98,393.00	15,751
Pos	Second Review Budget sition Transactions Level Second Review Budget Second Review Budget Second Review Budget	Comment Position 969013011 (259) Position 906011005 - Director Ch 906011017 - Office Man. 906012073 - Spatial Solu	ief GIS Technologies ager utions Officer		<i>Type</i> Earnings Earnings Earnings	·	716,858.00	716,858.00	Total Amount 122,992.00 98,393.00 56,846.00	15,751
Pos	Second Review Budget sition Transactions Level Second Review Budget	Comment Position 969013011 (259)  Position 906011005 - Director Ch 906011017 - Office Man. 906012073 - Spatial Solu 906013021 - GIS Manag	ief GIS Technologies ager utions Officer er list II		<i>Type</i> Earnings Earnings Earnings Earnings Earnings	·	716,858.00	716,858.00	Total Amount 122,992.00 98,393.00 56,846.00 81,467.00	15,751



#### FY24 SR Second Level Budget Detail - GIS Budget Year 2024

			2020 Actual	2021 Actual	2022 Actual	2023 Actual	2024 Submitted	2024 First Review	2024 Second	Change betwee
G/L Account	Account Description	on	Amount	Amount	Amount	Amount	Budget	Budget	Review Budget	2nd and 1st R
und <b>101 - G</b>	Geographic Information S	ystems								
EXPENSE										
Departmen	nt 060 - Information Tec	chnologies								
	oartment <b>070 - Geograph</b> Services- Salaries & Wages	ic Information Systems	3							
Regular	Employees									
	Second Review Budget	906013039 - GIS Analy			arnings				51,547.00	
	Second Review Budget	906013040 - CAD Speci			arnings				48,287.00	
	Second Review Budget	906016042 - GIS Specia			arnings				37,699.00	
	Second Review Budget	917016019 - CAD Speci			arnings				45,662.00	
	Second Review Budget	969013011 - GIS Mapp	ing Coordinator		arnings		Cocond Do	eview Budget Totals	15,751.00 \$732,609.00	
01.060.070.40	0009 Salaries and Wage	es Subsidy 	(13,367.69)	(26.01)	.00	.00	.00	.00	.00	
	_	gular Employees Totals	\$722,360.11	\$749,299.29	\$748,568.56	\$524,945.27	\$716,858.00	\$716,858.00	\$732,609.00	\$15,751
	e Salaries		624.66	272.01	602.04	125.00	2 500 00	2 500 00	2 500 00	
01.060.070.40	Overtime Salaries		634.66	373.91	603.84	135.00	2,508.00	2,500.00	2,500.00	
	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	Overtime to complete G	GIS/CAD Workflows				1.0000	2,500.00	2,500.00	
							Second Re	view Budget Totals	\$2,500.00	
	0	vertime Salaries Totals	\$634.66	\$373.91	\$603.84	\$135.00	\$2,508.00	\$2,500.00	\$2,500.00	\$0
Other										
01.060.070.40	Non-Union Wage 1	Increase	.00	.00	.00	.00	23,318.00	.00	1.00	1
	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	FY24 Non Union Wage	Increase				1.0000	1.00	1.00	
							Second Re	view Budget Totals	\$1.00	
		Other Totals	\$0.00	\$0.00	\$0.00	\$0.00	\$23,318.00	\$0.00	\$1.00	\$1
	Personnel Services- Se	alaries & Wages Totals	\$722,994.77	\$749,673.20	\$749,172.40	\$525,080.27	\$742,684.00	\$719,358.00	\$735,110.00	\$15,752
Personnel S	Services- Employee Benefits									
Group In	nsurance									
01.060.070.45	Healthcare Contrib	oution	128,499.38	133,962.29	138,203.56	101,738.96	155,661.00	155,661.00	123,526.00	(32,135
	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	FY24 Healthcare Expen	se				1.0000	117,884.00	117,884.00	
	Second Review Budget	FY24 Healthcare Expen	se for Vacant Position				.2500	22,564.22	5,641.06	
								view Budget Totals	\$123,525.06	



AAAAA.										
G/L Account	Account Description	n	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
	aphic Information Sy		7 1110 01110	741104110	7 uno di le	7 1110 01110	Daagee	Daagee	rterion baaget	2110 0110 200 1101
EXPENSE		,								
Department 06	0 - Information Tec	hnologies								
Sub-Departme	nt 070 - Geographi	c Information Systems								
Personnel Service	es- Employee Benefits									
Group Insurar	oce									
101.060.070.45009	Healthcare Subsidy	1	(1,588.99)	(2.20)	.00	.00	.00	.00	.00	.00
101.060.070.45010	Dental Contribution	1	4,250.10	4,646.16	4,392.61	3,041.95	4,643.00	4,643.00	3,813.00	(830.00)
_	et Transactions									
	vel	Transaction					Number of Units	Cost Per Unit	Total Amount	
	cond Review Budget	FY24 Dental Expense					1.0000	3,683.00	3,683.00	
Se	cond Review Budget	FY24 Dental Expense for	Vacant Position				.2500	519.93	129.98	
								eview Budget Totals	\$3,812.98	
101.060.070.45019	Dental Subsidy		(109.84)	(.09)	.00	.00	.00	.00	.00	.00
		Froup Insurance Totals	\$131,050.65	\$138,606.16	\$142,596.17	\$104,780.91	\$160,304.00	\$160,304.00	\$127,339.00	(\$32,965.00)
,	Contributions									
101.060.070.45100	FICA/SS Contribution	on	54,177.25	55,832.66	55,775.75	38,936.02	61,258.00	55,031.00	56,236.00	1,205.00
Budg	et Transactions									
	vel	Transaction					Number of Units	Cost Per Unit	Total Amount	
	cond Review Budget	F24 Vacant Position					.0765	15,751.00	1,204.95	
Se	cond Review Budget	FICA/SS - 7.65% of Tota	al Salaries				.0765	719,358.00	55,030.89	
							Second Re	eview Budget Totals	\$56,235.84	
101.060.070.45109	FICA/SS Subsidy		(920.98)	(1.89)	.00	.00	.00	.00	.00	.00
		ty Contributions Totals	\$53,256.27	\$55,830.77	\$55,775.75	\$38,936.02	\$61,258.00	\$55,031.00	\$56,236.00	\$1,205.00
Retirement Co										
101.060.070.45200	IMRF Contribution		56,738.80	64,033.29	49,063.12	26,631.16	41,239.00	32,947.00	33,668.00	721.00
3	et Transactions									
	vel	Transaction					Number of Units	Cost Per Unit	Total Amount	
	cond Review Budget	IMRF - 5.15% of Total S	•				.0458	719,358.00	32,946.60	
Se	cond Review Budget	IMRF - FY24 Vacant Posi	tion				.0458	15,750.00 eview Budget Totals	721.35 \$33,667.95	
101.060.070.45209	IMRF Subsidy		(1,074.85)	(2.29)	.00	.00	.00	.00	.00	.00
101.000.070.13203	,	nt Contributions Totals	\$55,663.95	\$64,031.00	\$49,063.12	\$26,631.16	\$41,239.00	\$32,947.00	\$33,668.00	\$721.00
	Retiremen Personnel Services- Em		\$239,970.87	\$258,467.93	\$247,435.04	\$170,348.09	\$262,801.00	\$248,282.00	\$217,243.00	(\$31,039.00)
•	EISOIIIEI SEIVICES EIII	proyee Derichies Toldis	\$2J3,37U.U/	φ230,707,33	φ <b>∠</b> τ/,τɔɔ.υ <del>1</del>	\$170,5T0.09	φ <b>2</b> 02,001.00	φ <b>∠</b> πο,∠ο∠.00	φ <b>∠17,∠</b> 73.00	(\$31,039.00)



G/L Account	Account Description	1	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
	ographic Information Sy		7 uno anc	741104110	7 uno di le	7 arround	Dadgot	Daagee	.terieri buayet	Elia dila 200 Nov
EXPENSE	, see process of p									
	060 - Information Tecl	nnologies								
	rtment 070 - Geographi	_								
Contractual S										
Purchased	Professional and Technical	Services								
Profession	ional									
101.060.070.5015	50 Contractual/Consult	ting Services	186,470.53	234,850.50	144,969.33	160,609.34	312,097.00	311,797.00	311,797.00	.00
R	Budget Transactions									
Ь	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	DIGITAL ORTHOS NEIL	3" (GIS FUND) (21-	09)			1.0000	120,000.00	120,000.00	
	Second Review Budget	2. Orthos/Obliques Eagle\					1.0000	128,706.00	128,706.00	
	Second Review Budget	3. ADS ONLINE DOOR CO		=			4.0000	275.00	1,100.00	
	Second Review Budget Second Review Budget	4. SIDWELL PARCEL FABR	· ·	QUARTERET			1.0000	34,241.00	34,241.00	
	Second Review Budget Second Review Budget	5. COLOR AERIAL FRAMES					1.0000	2,600.00	2,600.00	
	Second Review Budget Second Review Budget	6. NEARMAP	•				1.0000	25,000.00	25,000.00	
	Second Review Budget Second Review Budget	7. BIDS/ADS - CHICAGE T	RIBLINE				1.0000	150.00	150.00	
	Second Review Budget	7. DIDOJ1100 GITIGITOE I	NIDONE					view Budget Totals	\$311,797.00	
_		Professional Totals	\$186,470.53	\$234,850.50	\$144,969.33	\$160,609.34	\$312,097.00	\$311,797.00	\$311,797.00	\$0.00
Purc	chased Professional and Tec	chnical Services Totals	\$186,470.53	\$234,850.50	\$144,969.33	\$160,609.34	\$312,097.00	\$311,797.00	\$311,797.00	\$0.00
Purchased	Property Services		. ,	. ,		, ,	, ,	. ,	, ,	
Repair a	and Maintenance Services									
101.060.070.5213	Repairs and Maint-	Computers	238,475.25	250,007.30	264,815.71	279,018.04	301,766.00	297,546.00	297,546.00	.00
C	Comments									
	Level	Comment								
	First Review Budget	Moved numbers around w	rithin this line item to	accommodate for sof	tware increases.					
B	Budget Transactions									
Ь	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	ESRI ARCGIS ONLINE PRE	EMILIM EEATLIDE DA	TA STORE M-1			1.0000	5,000.00	5,000.00	
	-	ESRI GIS SOFTWARE MAI					1.0000	255,000.00	255,000.00	
			,	` '			1.0000	7,500.00	7,500.00	
	Second Review Budget		E MAINTENANCE (1)				1.0000	7,500.00	/,500.00	
	Second Review Budget	EXPERIAN QAS SOFTWAR	•	)L1)			1 0000	•	'	
	Second Review Budget Second Review Budget	EXPERIAN QAS SOFTWAR FDC PLOTTER MAINTENA	NCE (JANUARY)	) 			1.0000 1.0000	1,100.00	1,100.00	
	Second Review Budget Second Review Budget Second Review Budget	EXPERIAN QAS SOFTWAR FDC PLOTTER MAINTENA LASERFICHE MAINTENAN	NCE (JANUARY) CE(APRIL)	•			1.0000	1,100.00 1,246.00	1,100.00 1,246.00	
	Second Review Budget Second Review Budget Second Review Budget Second Review Budget	EXPERIAN QAS SOFTWAR FDC PLOTTER MAINTENA LASERFICHE MAINTENAN OPENTEXT DESKTOP VIEW	nce (January) Ce(april) Wer - Spicer - (Jul	Y)			1.0000 1.0000	1,100.00 1,246.00 700.00	1,100.00 1,246.00 700.00	
	Second Review Budget Second Review Budget Second Review Budget	EXPERIAN QAS SOFTWAR FDC PLOTTER MAINTENA LASERFICHE MAINTENAN	NCE (JANUARY) CE(APRIL) WER - SPICER - (JUL R FARMS MAINTENA	Y) NCE (MAY)			1.0000	1,100.00 1,246.00	1,100.00 1,246.00	



Department   0.00   Geographic Information Systems	G/L Account Account Desc	ription	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Department   060 - Information Tack-books   Subvent   Information Systems   Subvent   Inform	Fund 101 - Geographic Informati	on Systems								
Sub-Department   070 - Geographic Information Systems   1000	EXPENSE									
### Part	Department 060 - Information	Technologies								
Purchased Property Services   Regain and Maintenance Services   SECOND Review Budget   SEDWELL PARCEL FABRIC MAINTNANCE (SEPTEMBER)   1.0000   SECOND Review Budget   Totals   \$250,007.00   \$250,000.00   \$250,0		raphic Information Systems								
Repair and Maintenance Services   Second Review Budget   Totals   S1000.00   S297,546.00   S297,5										
Second Review Budget   SIDWELL PARCEL FABRIC MAINTNANCE (SEPTEMBER)   1,0000   5,000,00	' '	iona								
Repair and Maintenance Services Totals   \$238,475.25   \$250,007.30   \$264,815.71   \$279,018.04   \$301,766.00   \$237,546.00   \$237,546.00   \$0.00	'		MAINTNANCE (SEP	TEMBER)			1 0000	5 000 00	5 000 00	
Repair and Maintenance Services Totals   \$238,475.25   \$250,007.30   \$264,815.71   \$279,018.04   \$301,766.00   \$297,546.00   \$297,546.00   \$0.00     Purchased Property Services Totals   \$238,475.25   \$250,007.30   \$264,815.71   \$279,018.04   \$301,766.00   \$297,546.00   \$297,546.00   \$0.00     Other Purchased Services   Total Services   \$238,475.25   \$250,007.30   \$264,815.71   \$279,018.04   \$301,766.00   \$297,546.00   \$297,546.00   \$0.00     Other Purchased Services   Total Services   Total Services   \$288,475.25   \$250,007.30   \$264,815.71   \$279,018.04   \$301,766.00   \$297,546.00   \$297,546.00   \$0.00     Other Purchased Services   \$288,475.25   \$250,007.30   \$264,815.71   \$279,018.04   \$301,766.00   \$297,546.00   \$297,546.00   \$0.00     Purchased Services   Total Services	Second Review Budg	Jet SIDWELL FARCEL FABRIC	PIAINTIVANCE (SEI	TEMBER				· -	·	
Purchased Property Services Totals   \$238,475.25   \$250,007.30   \$264,815.71   \$279,018.04   \$301,766.00   \$297,546.00   \$297,546.00   \$0.00	Panair and	Animhannan Comisson Totala	¢220.47F.2F	¢250 007 20	¢264 015 71	¢270.010.04				¢0.00
### Control Purchased Services   Insurance, Other Than Employee Benefits   101.060.070.53000   Liability Insurance   15,373.00   14,248.00   17,935.00   23,309.00   23,309.00   23,309.00   22,785.00   (524.00)	•		<u> </u>	· '			. ,		' '	
10.060.070.5300		ed Property Services Potais	\$230,473.23	\$250,007.50	φ204,013.71	\$27 <i>5</i> ,010.04	φ301,700.00	\$257,540.00	φ257,540.00	φ0.00
10.060.070.53000   Liability Insurance   15,373.00   14,248.00   17,935.00   23,309.00   23,309.00   23,309.00   22,785.00   (524.00)		vee Benefits								
Leve	·		15,373.00	14,248.00	17,935.00	23,309.00	23,309.00	23,309.00	22,785.00	(524.00)
Leve	Budget Transactions									
Second Review Budget   Second Review Budget   Second Review Budget   LiaBility Insurance on FY24 Non Union Wage Increase   18,756.00   22,346.00   21,645.00   17,722.00   17,721.00   17,721.00   17,721.00   15,678.00   25,678.30   10,000,070.5300   Number of Units   Second Review Budget Totals   Second Review Budget   WC on FY24 Non Union Wage Increase   Second Review Budget   WC on FY24 Non Union Wage Increase   Second Review Budget   WC on FY24 Non Union Wage Increase   Second Review Budget   WC on FY24 Non Union Wage Increase   Second Review Budget   WC on FY24 Non Union Wage Increase   Second Review Budget   WC on FY24 Non Union Wage Increase   Second Review Budget   WC on FY24 Non Union Wage Increase   Second Review Budget   WC on FY24 Non Union Wage Increase   Second Review Budget   WC on FY24 Non Union Wage Increase   Second Review Budget   Total Amount   Second Review Budget   WC on FY24 Non Union Wage Increase   Second Review Budget   WC on FY24 Non Union Wage Increase   Second Review Budget   WC on FY24 Non Union Wage Increase   Second Review Budget   WC on FY24 Non Union Wage Increase   Second Review Budget   WC on FY24 Non Union Wage Increase   Second Review Budget   WC on FY24 Non Union Wage Increase   Second Review Budget   WC on FY24 Non Union Wage Increase   Second Review Budget   WC on FY24 Non Union Wage Increase   Second Review Budget   WC on FY24 Non Union Wage Increase   Second Review Budget   WC on FY24 Non Union Wage Increase   Second Review Budget   WC on FY24 Non Union Wage Increase   Second Review Budget   WC on FY24 Non Union Wage Increase   Second Review Budget   WC on FY24 Non Union Wage Increase   Second Review Budget   WC on FY24 Non Union Wage Increase   Second Review Budget   WC on FY24 Non Union Wage Increase   Second Review Budget   WC on FY24 Non Union Wage Increase   Second Review Budget   WC on FY24 Non Union Wage Increase   Second Review Budget   WC on FY24 Non Union Wage Increase   Second Review Budget   WC on FY24 Non Union Wage Increase   Second Review Budget   WC on		Transaction					Number of Units	Cost Par Unit	Total Amount	
Second Review Budget   Liability Insurance on FY24 Non Union Wage Increase   18,756.00   22,346.00   21,645.00   17,722.00   17,722.00   17,721.00   17,721.00   17,721.00   15,678.00   (2,043.00)										
Second Review Budget Transactions			24 Non Union Wage 1	increase				•		
Budget Transactions         Number of Units         Cost Per Unit         Total Amount           Second Review Budget Second Review Budget VORKERS COMP         WORKERS COMP         0.0214         1.00         0.02         15,677.83         5econd Review Budget Totals         \$15,677.85 <td></td> <td>,,</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		,,								
Budget Transactions         Number of Units         Cost Per Unit         Total Amount           Second Review Budget Second Review Budget VORKERS COMP         WORKERS COMP         0.0214         1.00         0.02         15,677.83         5econd Review Budget Totals         \$15,677.85 <td>101.060.070.53010 Workers Com</td> <td>pensation</td> <td>18,756.00</td> <td>22,346.00</td> <td>21,645.00</td> <td>17,722.00</td> <td>17,721.00</td> <td>17,721.00</td> <td>15,678.00</td> <td>(2,043.00)</td>	101.060.070.53010 Workers Com	pensation	18,756.00	22,346.00	21,645.00	17,722.00	17,721.00	17,721.00	15,678.00	(2,043.00)
Level   Transaction   Number of Units   Cost Per Unit   Total Amount		,	.,	,	,	,	,	,	.,	( ) /
Second Review Budget   WC on FY24 Non Union Wage Increase   Second Review Budget   WORKERS COMP   Second Review Budget   WORKERS COMP   Second Review Budget Totals   \$15,677.85		Transaction					Number of Units	Cost Por Unit	Total Amount	
Second Review Budget   WORKERS COMP   15,677.83   Second Review Budget Totals   \$15,677.85			Vago Increase							
Second Review Budget Totals   \$15,677.85			vage increase							
Budget Transactions  Level Transaction Number of Units Cost Per Unit Total Amount  Second Review Budget UNEMPLOYMENT CLAIMS .0005 732,609.00 366.30  Second Review Budget Totals \$366.30	Second Review Bady	TOTALE COTT						· -	· .	
Budget Transactions  Level Transaction Number of Units Cost Per Unit Total Amount  Second Review Budget UNEMPLOYMENT CLAIMS .0005 732,609.00 366.30  Second Review Budget Totals \$366.30	101 060 070 53020 Unemployme	nt Claims	443.00	450.00	542 00	320.00	319.00	319 00	367 00	48 00
LevelTransactionNumber of UnitsCost Per UnitTotal AmountSecond Review BudgetUNEMPLOYMENT CLAIMS.0005732,609.00366.30Second Review Budget TotalsSecond Review Budget Totals\$366.30		it cidiiiis	113.00	130100	3 12100	320.00	313.00	313.00	307.00	10.00
Second Review Budget UNEMPLOYMENT CLAIMS  .0005 732,609.00 Second Review Budget Totals \$366.30										
Second Review Budget Totals \$366.30										
	Second Review Budg	get UNEMPLOYMENT CLAIMS								
Insurance, Other Than Employee Benefits Totals \$34,572.00 \$37,044.00 \$40,122.00 \$41,351.00 \$41,349.00 \$41.349.00 \$38.830.00 (\$2.519.00)										
, , , , , , , , , , , , , , , , , , ,	Insurance, Other Tha	n Employee Benefits Totals	\$34,572.00	\$37,044.00	\$40,122.00	\$41,351.00	\$41,349.00	\$41,349.00	\$38,830.00	(\$2,519.00)



ALTHOUGH .										
G/L Account Accou	unt Description		2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund 101 - Geographic Inf			Amount	Amount	Amount	Amount	Duaget	Dauget	Review badget	Zila alia 13t KC
EXPENSE	ormacion by	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,								
Department 060 - Info	rmation Tech	nologies								
		Information Systems								
Contractual Services										
Other Purchased Service	25									
Travel										
101.060.070.53100 Confe	erences and Me	eetings	2,309.50	1,332.00	897.00	480.05	7,000.00	7,000.00	7,000.00	.00
Budget Transa	ctions									
Level		Transaction					Number of Units	Cost Per Unit	Total Amount	
Second Revi	ew Budget	ESRI USER CONFERENCE					1.0000	3,500.00	3,500.00	
Second Revi	ew Budget	ILGISA CONFERENCE					1.0000	2,500.00	2,500.00	
Second Revi	ew Budget	ILGISA/IPA MEETINGS					1.0000	1,000.00	1,000.00	
							Second Re	eview Budget Totals	\$7,000.00	
101.060.070.53110 Empk	oyee Training		1,793.22	6,002.60	5,905.00	2,835.00	20,000.00	20,000.00	20,000.00	.00.
Budget Transa	ctions									
Level		Transaction					Number of Units	Cost Per Unit	Total Amount	
Second Revi	ew Budget	EMPLOYEE TRAINING					1.0000	20,000.00	20,000.00	
							Second Re	eview Budget Totals	\$20,000.00	
101.060.070.53120 Empk	oyee Mileage E	xpense	.00	.00	.00	.00	300.00	300.00	300.00	.00
Budget Transa	ctions									
Level		Transaction					Number of Units	Cost Per Unit	Total Amount	
Second Revi	ew Budget	EMPLOYEE MILEAGE EXPE	NSE				1.0000	300.00	300.00	
							Second Re	eview Budget Totals	\$300.00	
		Travel Totals	\$4,102.72	\$7,334.60	\$6,802.00	\$3,315.05	\$27,300.00	\$27,300.00	\$27,300.00	\$0.00
Other			2 405 00	2.445.00	2.660.00	2 670 00	2 000 00	2 000 00	2 000 00	0.0
101.060.070.53130 Gene	ral Association	Dues	2,495.00	2,115.00	2,660.00	2,670.00	3,000.00	3,000.00	3,000.00	.00.
Budget Transa	ctions	Tunungatian					No week are a fill to the	Cook Don Hait	Total American	
Level	Ddt	Transaction	TNODEACE				Number of Units	Cost Per Unit	Total Amount	
Second Revi	-	BUFFER FOR UNEXPECTED		CED.			1.0000	675.00	675.00	
Carand David	ew Buaget	CIAO - CERTIFIED ILLINOI		JEK			6.0000	20.00	120.00	
Second Revi	and Divident	GISP - GIS PROFESSIONAL	. KENEWALS				2.0000 2.0000	285.00	570.00	
Second Revi	-	TAAO TILINOTO CUARTER	DUEC					30.00	60.00	
Second Revi	ew Budget	IAAO - ILLINOIS CHAPTER		SECCING OFFICERS						
Second Revi Second Revi Second Revi	ew Budget ew Budget	IAAO - INTERNATIONAL AS	SSOCIATION OF AS		AC.		2.0000	200.00	400.00	
Second Revi Second Revi Second Revi Second Revi	ew Budget ew Budget ew Budget	IAAO - INTERNATIONAL AS	SSOCIATION OF ASS	Sessing officers c			2.0000 1.0000	200.00 380.00	400.00 380.00	
Second Revi Second Revi Second Revi	ew Budget ew Budget ew Budget ew Budget	IAAO - INTERNATIONAL AS	SSOCIATION OF AS: SSOCIATION OF AS: APHICAL INFORMAT	SESSING OFFICERS CN TON SYSTEMS ASSOC			2.0000	200.00	400.00	



#### **FY24 SR Second Level Budget Detail - GIS**

G/L Account	Account Description	n	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund <b>101 - 0</b>	Geographic Information S	ystems								
EXPENSE										
Departmer	nt 060 - Information Tec	hnologies								
	partment <b>070 - Geograph</b> al Services	ic Information Systems								
Other P	Purchased Services									
Other	r									
	Second Review Budget	URISA - URBAN REGION	NAL INFORMATION SYS	STEM ASSOCIATION			2.0000	100.00	200.00	
							Second Re	view Budget Totals	\$3,000.00	
		Other Totals	\$2,495.00	\$2,115.00	\$2,660.00	\$2,670.00	\$3,000.00	\$3,000.00	\$3,000.00	\$0.00
	Other Pur	chased Services Totals	\$41,169.72	\$46,493.60	\$49,584.00	\$47,336.05	\$71,649.00	\$71,649.00	\$69,130.00	(\$2,519.00)
	Cont	ractual Services Totals	\$466,115.50	\$531,351.40	\$459,369.04	\$486,963.43	\$685,512.00	\$680,992.00	\$678,473.00	(\$2,519.00)
Commodit										
	Supplies									
101.060.070.60	O000 Office Supplies		2,423.66	2,558.68	1,367.87	515.58	7,000.00	2,600.00	2,600.00	.00
	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	AMAZON OFFICE SUPPL	IES				1.0000	1,150.00	1,150.00	
	Second Review Budget	CENTURY SPRINGS					1.0000	300.00	300.00	
	Second Review Budget	WAREHOUSE DIRECT O	FFICE SUPPLIES				1.0000	1,150.00	1,150.00	
							Second Re	view Budget Totals	\$2,600.00	
101.060.070.60	0020 Computer Related	Supplies	3,047.56	3,805.70	6,454.30	1,927.02	11,000.00	6,031.00	6,031.00	.00
	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	COMPUTER RELATED SI					1.0000	531.00	531.00	
	Second Review Budget	HARD DRIVES FOR AER					4.0000	100.00	400.00	
	Second Review Budget	KANEGIS SUPPLIES -DV	D'S, ENVELOPES, LABE	LS AND MAILERS			3.0000	200.00	600.00	
	Second Review Budget	PLOTTERS - PAPER					6.0000	150.00	900.00	
	Second Review Budget	PLOTTERS - TONER					12.0000 12.0000	200.00 100.00	2,400.00	
	Second Review Budget	PRINTERS - TONER						view Budget Totals	1,200.00 \$6,031.00	
101.060.070.60	0050 Books and Subscri	ptions	.00	1,178.43	1,041.92	2,334.00	4,000.00	4,000.00	4,000.00	.00
	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	BOOKS AND SUBSCRIPT	TIONS				1.0000	1,500.00	1,500.00	



G/L Account	Account Description		2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change betwee 2nd and 1st R
	raphic Information Sys		ranounc	ranounc	7 arrodite	Airiodite	Baaget	Duaget	Review Budget	Zila alla 150 l
EXPENSE										
Department (	060 - Information Tech	nologies								
Sub-Departm	nent 070 - Geographic	Information Systems								
Commodities										
General Supp										
S	econd Review Budget	VISUAL STUDIO ULTIMA	TE W/MSDN ONLINE				1.0000	2,500.00	2,500.00	
							Second Re	view Budget Totals	\$4,000.00	
01.060.070.60060	Computer Software-	Non Capital	3,418.94	2,712.10	2,771.07	.00	5,000.00	3,500.00	3,500.00	
Bud	lget Transactions									
L	evel	Transaction					Number of Units	Cost Per Unit	Total Amount	
S	econd Review Budget	ADOBE ACROBAT YEARLY	SUBSCRIPTIONS				10.0000	150.00	1,500.00	
S	econd Review Budget	MISC DESKTOP SOFTWA	re upgrades ex) aa	Pro			1.0000	2,000.00	2,000.00	
							Second Re	view Budget Totals	\$3,500.00	
101.060.070.60070	Computer Hardware	- Non Capital	297.64	298.00	3,004.84	85.48	6,000.00	4,100.00	4,100.00	
Bud	lget Transactions									
L	evel	Transaction					Number of Units	Cost Per Unit	Total Amount	
S	econd Review Budget	COMPUTER NON CAPITAL	L HARDWARE				1.0000	2,100.00	2,100.00	
S	econd Review Budget	MONITOR UPGRADES					2.0000	295.00	590.00	
S	econd Review Budget	PRINTERS					1.0000	750.00	750.00	
S	econd Review Budget	UPS - BATTERY BACKUP	UPGRADES				2.0000	330.00	660.00	
							Second Re	view Budget Totals	\$4,100.00	
		neral Supplies Totals	\$9,187.80	\$10,552.91	\$14,640.00	\$4,862.08	\$33,000.00	\$20,231.00	\$20,231.00	\$0
Telephone au 01.060.070.64000	nd Cellphone Telephone		3,168.26	3,395.48	4,593.48	1,926.57	4,700.00	6,000.00	6,000.00	
71.000.070.04000	relepriorie		3,100.20	3,393.40	4,393.40	1,920.37	4,700.00	0,000.00	0,000.00	
	lget Transactions									
	evel	Transaction					Number of Units	Cost Per Unit	Total Amount	
	econd Review Budget	1 FAX LINE PLUS USAGE		1 ITD			12.0000	50.00	600.00	
	econd Review Budget	11 CISCO PHONES - CHA					1.0000	3,882.00	3,882.00	
	econd Review Budget	11 CISCO PHONES - USA		ROM ITD			1.0000	328.00	328.00	
S	econd Review Budget	ADDITIONAL COST ANTI	CPATED FROM ITD				1.0000	1,190.00	1,190.00	
			1 101 51	1 145 60	724.64	020.22		view Budget Totals	\$6,000.00	
01.060.070.64010	Cellular Phone		1,494.54	1,445.68	721.64	930.22	1,500.00	2,000.00	2,000.00	
Bud	lget Transactions									
L	evel	Transaction					Number of Units	Cost Per Unit	Total Amount	
	econd Review Budget		CHARGEBACK FROM I				12.0000	37.00	444.00	



G/L Account	Account Description	on.	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
	Geographic Information S		741104110	7 1110 0110	711104110	741104110	Daagee	Daagee	.terieri buuget	2114 4114 250 1161
EXPENSE		•								
Departmen	nt 060 - Information Tec	chnologies								
Sub-Dep	artment 070 - Geograph	ic Information Systems								
Commoditi										
Telephoi	ne and Cellphone									
	Second Review Budget	2 VERIZON WIRELESS -	Chargeback from I	TD - PHONES			1.0000	1,556.00	1,556.00	
							Second Re	eview Budget Totals	\$2,000.00	
	Telephone	e and Cellphone Totals	\$4,662.80	\$4,841.16	\$5,315.12	\$2,856.79	\$6,200.00	\$8,000.00	\$8,000.00	\$0.00
		Commodities Totals	\$13,850.60	\$15,394.07	\$19,955.12	\$7,718.87	\$39,200.00	\$28,231.00	\$28,231.00	\$0.00
Capital										
Machine	ry and Equipment									
,	uter Equipment									
101.060.070.70	0000 Computers		65,729.00	2,137.00	15,304.00	.00	70,272.00	64,000.00	64,000.00	.00
	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	UPGRADE CURRENT GIS	SYSTEMS, DESKTOPS	, FIBER AND ROUTER	S		1.0000	64,000.00	64,000.00	
	J		•	•			Second Re	eview Budget Totals	\$64,000.00	
101.060.070.70	0020 Computer Softwar	e- Capital	.00	6,490.00	5,192.00	.00	17,000.00	12,000.00	12,000.00	.00
	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	ARCGIS/EXTENSIONS, M	ISC SOFTWARE UPGR	ADES			1.0000	12,000.00	12,000.00	
		,						eview Budget Totals	\$12,000.00	
101.060.070.70	0050 Printers		.00	.00	1,049.00	12,899.00	12,000.00	8,000.00	8,000.00	.00
	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	PLOTTERS - REPLACEME	NTS FOR T770 (CAD)				1.0000	8,000.00	8,000.00	
							Second Re	eview Budget Totals	\$8,000.00	
	Сотр	outer Equipment Totals	\$65,729.00	\$8,627.00	\$21,545.00	\$12,899.00	\$99,272.00	\$84,000.00	\$84,000.00	\$0.00
	Machinery	and Equipment Totals	\$65,729.00	\$8,627.00	\$21,545.00	\$12,899.00	\$99,272.00	\$84,000.00	\$84,000.00	\$0.00
	,	Capital Totals	\$65,729.00	\$8,627.00	\$21,545.00	\$12,899.00	\$99,272.00	\$84,000.00	\$84,000.00	\$0.00
		•								



	**									
G/L Account	Account Description	1	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
	Geographic Information Sy									
EXPENSE	<b>3</b>									
	ent 060 - Information Tech	nologies								
		Information Systems								
Transfers		zinomiacion byscomo	,							
101.060.070.9	99000 Transfer To Other F	unds	42,304.00	42,304.00	.00	.00	.00	.00	.00	.00
	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	FSD Reclass to 101.060	0.070.99001				1.0000	(33,616.00)	(33,616.00)	
	Second Review Budget	ITD Transfer to 001.06		\$2.913			1.0000	33,616.00	33,616.00	
				7-/				eview Budget Totals	\$0.00	
101.060.070.9	99001 Transfer to Fund 00	)1	.00	.00	31,282.00	33,616.00	33,616.00	34,585.00	34,585.00	.00
	Budget Transactions							6 . 5	T	
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	GIS IT TECH SUPPORT					1.0000	34,585.00	34,585.00	
							Second Re	eview Budget Totals	\$34,585.00	
		Transfers Out Totals	\$42,304.00	\$42,304.00	\$31,282.00	\$33,616.00	\$33,616.00	\$34,585.00	\$34,585.00	\$0.00
S	Sub-Department 070 - Geogr	raphic Information	\$1,550,964.74	\$1,605,817.60	\$1,528,758.60	\$1,236,625.66	\$1,863,085.00	\$1,795,448.00	\$1,777,642.00	(\$17,806.00)
		Systems Totals								
Depa	artment <b>060 - Information</b>		\$1,550,964.74	\$1,605,817.60	\$1,528,758.60	\$1,236,625.66	\$1,863,085.00	\$1,795,448.00	\$1,777,642.00	(\$17,806.00)
		EXPENSE TOTALS	\$1,550,964.74	\$1,605,817.60	\$1,528,758.60	\$1,236,625.66	\$1,863,085.00	\$1,795,448.00	\$1,777,642.00	(\$17,806.00)
Fund	101 - Geographic Informa	tion Systems Totals								
		REVENUE TOTALS	\$1,522,325.47	\$1,849,268.77	\$1,190,471.19	\$672,209.75	\$1,921,160.00	\$1,816,455.00	\$1,777,642.00	(\$38,813.00)
		EXPENSE TOTALS	\$1,550,964.74	\$1,605,817.60	\$1,528,758.60	\$1,236,625.66	\$1,863,085.00	\$1,795,448.00	\$1,777,642.00	(\$17,806.00)
			(\$28,639.27)	\$243,451.17	(\$338,287.41)	(\$564,415.91)	\$58,075.00	\$21,007.00	\$0.00	(\$21,007.00)
Fund	101 - Geographic Informa	*	(\$20,039.27)	\$243,431.17	(\$330,207.41)	(\$504,415.91)	\$30,073.00	\$21,007.00	<b>\$</b> 0.00	(\$21,007.00)
		Net Grand Totals								
		ENUE GRAND TOTALS	\$1,522,325.47	\$1,849,268.77	\$1,190,471.19	\$672,209.75	\$1,921,160.00	\$1,816,455.00	\$1,777,642.00	(\$38,813.00)
	EXP	ENSE GRAND TOTALS	\$1,550,964.74	\$1,605,817.60	\$1,528,758.60	\$1,236,625.66	\$1,863,085.00	\$1,795,448.00	\$1,777,642.00	(\$17,806.00)
		Net Grand Totals	(\$28,639.27)	\$243,451.17	(\$338,287.41)	(\$564,415.91)	\$58,075.00	\$21,007.00	\$0.00	(\$21,007.00)
			• • •		•	• •			•	• • •



Budget Year 2024

		2022 Actual	2023 Actual	2024 Submitted	2024 First Review	Change btw First	2024 Second	Change btw Second and First	
Account	Account Description	Amount	Amount	Budget	Budget	and Submitted	Review Budget	Rev	
	0 - Mill Creek Special Service Area								
REVENU									
	rtment 690 - Development								
	p-Department 000 - Revenues erty Taxes								
	al Property								
30000	Property Taxes	879,156.28	469,211.70	879,500.00	879,500.00	.00	879,500.00	.00	
	Real Property Totals	\$879,156.28	\$469,211.70	\$879,500.00	\$879,500.00	\$0.00	\$879,500.00	\$0.00	
	Property Taxes Totals	\$879,156.28	\$469,211.70	\$879,500.00	\$879,500.00	\$0.00	\$879,500.00	\$0.00	
Interd	est Revenue	ψ0/ 5/150.20	ψ 105,211.70	φον ογ,ουσ.υσ	φον 2,300.00	ψ0.00	ψον 3,300.00	φ0.00	
38000	Investment Income	(20,964.08)	1,859.44	5,103.00	5,103.00	.00	5,103.00	.00	
	Interest Revenue Totals	(\$20,964.08)	\$1,859.44	\$5,103.00	\$5,103.00	\$0.00	\$5,103.00	\$0.00	
Other	•								
39900	Fund Balance Utilization	.00	.00	124,806.00	124,806.00	.00	103,656.00	(21,150.00)	
	Other Totals	\$0.00	\$0.00	\$124,806.00	\$124,806.00	\$0.00	\$103,656.00	(\$21,150.00)	
	Sub-Department 000 - Revenues Totals	\$858,192.20	\$471,071.14	\$1,009,409.00	\$1,009,409.00	\$0.00	\$988,259.00	(\$21,150.00)	
	Department 690 - Development Totals	\$858,192.20	\$471,071.14	\$1,009,409.00	\$1,009,409.00	\$0.00	\$988,259.00	(\$21,150.00)	
	REVENUE TOTALS	\$858,192.20	\$471,071.14	\$1,009,409.00	\$1,009,409.00	\$0.00	\$988,259.00	(\$21,150.00)	
Sub <i>Perso</i>	rtment 690 - Development b-Department 730 - Mill Creek Special Service Area annel Services- Salaries & Wages								
40000	gular Employees Salaries and Wages	68,649.97	49,903.50	68,289.00	68,289.00	.00	68,289.00	.00	
<del>1</del> 0000		•	·	<u> </u>					
	Regular Employees Totals Personnel Services- Salaries & Wages Totals	\$68,649.97 \$68,649.97	\$49,903.50 \$49,903.50	\$68,289.00 \$68,289.00	\$68,289.00 \$68,289.00	\$0.00 \$0.00	\$68,289.00 \$68,289.00	\$0.00 \$0.00	
	rersonner Services- Salaries & Wayes Totals nnel Services- Employee Benefits oup Insurance	ъ00,0 <del>1</del> 9.97	<del>, чэ, эо</del> з.зо	\$00,209.00	\$00,209.00	<b>\$</b> 0.00	\$00,209.00	\$0.00	
45000	Healthcare Contribution	17,848.44	13,616.78	19,084.00	19,084.00	.00	.00	(19,084.00)	
45010	Dental Contribution	14.43	.00	27.00	27.00	.00	.00	(27.00)	
	Group Insurance Totals	\$17,862.87	\$13,616.78	\$19,111.00	\$19,111.00	\$0.00	\$0.00	(\$19,111.00)	
45100	cial Security Contributions FICA/SS Contribution	5,292.06	3,841.45	5,336.00	5,225.00	(111.00)	5,225.00	.00	
- **	Social Security Contributions Totals	\$5,292.06	\$3,841.45	\$5,336.00	\$5,225.00	(\$111.00)	\$5,225.00	\$0.00	
Rei	tirement Contributions	ψ3,232.00	Ψ5/0 11.75	ψ5,550.00	Ψ3,223.00	(4111.00)	ψ3,223.00	Ψ0.00	
45200	IMRF Contribution	4,699.20	2,627.67	3,592.00	3,128.00	(464.00)	3,128.00	.00	
	Retirement Contributions Totals	\$4,699.20	\$2,627.67	\$3,592.00	\$3,128.00	(\$464.00)	\$3,128.00	\$0.00	
	Personnel Services- Employee Benefits Totals	\$27,854.13	\$20,085.90	\$28,039.00	\$27,464.00	(\$575.00)	\$8,353.00	(\$19,111.00)	
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Account	Account Description	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	Change btw First and Submitted	2024 Second Review Budget	Change btw Second and First Rev	
	520 - Mill Creek Special Service Area	Autodite	Amount	Daaget	Daaget	and Sasimiced	Review Budget	TCV	
EXPEN	-								
Dep	partment 690 - Development								
	ub-Department 730 - Mill Creek Special Service Area otractual Services								
P	Purchased Professional and Technical Services Professional								
50150	Contractual/Consulting Services	1,677.90	1,389.24	40,200.00	40,200.00	.00	40,200.00	.00	
50160	Legal Services	495.00	1,507.50	6,000.00	6,000.00	.00	6,000.00	.00	
	Professional Totals Technical	\$2,172.90	\$2,896.74	\$46,200.00	\$46,200.00	\$0.00	\$46,200.00	\$0.00	
50480	Security Services	.00	.00	9,000.00	9,000.00	.00	9,000.00	.00	
	Technical Totals	\$0.00	\$0.00	\$9,000.00	\$9,000.00	\$0.00	\$9,000.00	\$0.00	
P	Purchased Professional and Technical Services Totals  Purchased Property Services	\$2,172.90	\$2,896.74	\$55,200.00	\$55,200.00	\$0.00	\$55,200.00	\$0.00	
	Repair and Maintenance Services								
52020	Repairs and Maintenance- Roads	65,112.43	54,323.61	110,000.00	110,000.00	.00	110,000.00	.00	
52120	Repairs and Maint- Grounds	489,548.09	154,553.02	529,000.00	529,000.00	.00	529,000.00	.00	
52230	Repairs and Maint- Vehicles	748.15	1,061.29	2,500.00	2,500.00	.00	2,500.00	.00	
52250	Intersect Lighting Services	75,506.00	35,283.00	25,000.00	25,000.00	.00	25,000.00	.00	
	Repair and Maintenance Services Totals  Rentals	\$630,914.67	\$245,220.92	\$666,500.00	\$666,500.00	\$0.00	\$666,500.00	\$0.00	
52180	Building Space Rental	12,184.87	8,366.10	17,000.00	17,000.00	.00	17,000.00	.00	
	Rentals Totals	\$12,184.87	\$8,366.10	\$17,000.00	\$17,000.00	\$0.00	\$17,000.00	\$0.00	
	Purchased Property Services Totals	\$643,099.54	\$253,587.02	\$683,500.00	\$683,500.00	\$0.00	\$683,500.00	\$0.00	
C	Other Purchased Services Insurance, Other Than Employee Benefits								
53000	Liability Insurance	1,619.00	2,037.00	2,037.00	2,037.00	.00	2,124.00	87.00	
53010	Workers Compensation	1,954.00	1,549.00	1,549.00	1,549.00	.00	1,462.00	(87.00)	
53020	Unemployment Claims	49.00	28.00	28.00	28.00	.00	35.00	7.00	
	Insurance, Other Than Employee Benefits Totals  Printing and Binding	\$3,622.00	\$3,614.00	\$3,614.00	\$3,614.00	\$0.00	\$3,621.00	\$7.00	
53060	General Printing	.00	182.50	1,000.00	1,000.00	.00	1,000.00	.00	
53070	Legal Printing	.00	.00	500.00	500.00	.00	500.00	.00	
	Printing and Binding Totals	\$0.00	\$182.50	\$1,500.00	\$1,500.00	\$0.00	\$1,500.00	\$0.00	
	Other		,	. ,	, ,		.,		
55000	Miscellaneous Contractual Exp	.00	.00	115,000.00	115,000.00	.00	115,000.00	.00	



account Description  Mill Creek Special Service Area  at 690 - Development  arrangement 730 - Mill Creek Special Service Area  al Services  arrangement Services	Amount	Amount	Budget	Budget	and Submitted	Review Budget	Rev
nt 690 - Development partment 730 - Mill Creek Special Service Area al Services urchased Services							
partment 730 - Mill Creek Special Service Area al Services surchased Services							
partment 730 - Mill Creek Special Service Area al Services surchased Services							
al Services urchased Services							
Other Totals	\$0.00	\$0.00	\$115,000.00	\$115,000.00	\$0.00	\$115,000.00	\$0.00
Other Purchased Services Totals	\$3,622.00	\$3,796.50	\$120,114.00	\$120,114.00	\$0.00	\$120,121.00	\$7.00
Contractual Services Totals	\$648,894.44	\$260,280.26	\$858,814.00	\$858,814.00	\$0.00	\$858,821.00	\$7.00
ies							
Supplies							
Office Supplies	1,598.95	3,617.89	2,500.00	2,500.00	.00	2,500.00	.00
perating Supplies	341.25	998.71	3,000.00	3,000.00	.00	3,000.00	.00
ostage	.00	.00	1,500.00	1,500.00	.00	1,500.00	.00
General Supplies Totals	\$1,940.20	\$4,616.60	\$7,000.00	\$7,000.00	\$0.00	\$7,000.00	\$0.00
icity							
Itilities- Intersect Lighting	7,347.34	6,003.27	17,100.00	17,100.00	.00	17,100.00	.00
Electricity Totals	\$7,347.34	\$6,003.27	\$17,100.00	\$17,100.00	\$0.00	\$17,100.00	\$0.00
ine							
uel- Vehicles	45.35	49.00	2,000.00	2,000.00	.00	2,000.00	.00
Gasoline Totals	\$45.35	\$49.00	\$2,000.00	\$2,000.00	\$0.00	\$2,000.00	\$0.00
Energy Totals	\$7,392.69	\$6,052.27	\$19,100.00	\$19,100.00	\$0.00	\$19,100.00	\$0.00
ne and Cellphone							
ellular Phone	997.61	498.10	800.00	800.00	.00	800.00	.00
Telephone and Cellphone Totals	\$997.61	\$498.10	\$800.00	\$800.00	\$0.00	\$800.00	\$0.00
Commodities Totals	\$10,330.50	\$11,166.97	\$26,900.00	\$26,900.00	\$0.00	\$26,900.00	\$0.00
Out							
ransfer to Fund 001	5,751.00	25,896.00	25,896.00	25,896.00	.00	25,896.00	.00
Transfers Out Totals	\$5,751.00	\$25,896.00	\$25,896.00	\$25,896.00	\$0.00	\$25,896.00	\$0.00
-Department 730 - Mill Creek Special Service Area Totals	\$761,480.04	\$367,332.63	\$1,007,938.00	\$1,007,363.00	(\$575.00)	\$988,259.00	(\$19,104.00)
Department 690 - Development Totals	\$761,480.04	\$367,332.63	\$1,007,938.00	\$1,007,363.00	(\$575.00)	\$988,259.00	(\$19,104.00)
EXPENSE TOTALS	\$761,480.04	\$367,332.63	\$1,007,938.00	\$1,007,363.00	(\$575.00)	\$988,259.00	(\$19,104.00)
	Contractual Services Totals  ies Supplies Office Supplies Operating Supplies Ostage  General Supplies Totals  icity Itilities- Intersect Lighting Electricity Totals  ine iuel- Vehicles  Gasoline Totals Energy Totals  Telephone and Cellphone Telephone and Cellphone Totals Commodities Totals  Out Transfers Out Totals  -Department 730 - Mill Creek Special Service Area Totals Department 690 - Development Totals	Contractual Services Totals   \$648,894.44     ies   Supplies     Office Supplies     Operating Supplies     Oper	Contractual Services Totals   \$648,894.44   \$260,280.26     Supplies   1,598.95   3,617.89     Operating Supplies   341.25   998.71     Ostage   .00   .00     General Supplies Totals   \$1,940.20   \$4,616.60     Strictly   Itilities- Intersect Lighting   7,347.34   \$6,003.27     Itilities- Intersect Lighting   7,347.34   \$6,003.27     Itilities- Intersect Lighting   45.35   49.00     Gasoline Totals   \$45.35   \$49.00     Gasoline Totals   \$7,392.69   \$6,052.27     Itilities   10,330.50   \$11,166.97     Out   Transfers Out Totals   \$5,751.00   25,896.00     Commodities Totals   \$761,480.04   \$367,332.63     Department   690 - Development Totals   \$761,480.04   \$367,332.63     EXPENSE TOTALS   \$761,480.04   \$367,332.63     Strictly   \$761,480.04   \$367,332.63     St	Section   Sect	Section   Sect	Season   S	Contractual Services Totals \$648,894.44 \$260,280.26 \$858,814.00 \$858,814.00 \$0.00 \$858,821.00 \$



Account Account Description	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	Change btw First and Submitted	2024 Second Review Budget	Change btw Second and First Rev	
REVENUE TOTALS	\$858,192.20	\$471,071.14	\$1,009,409.00	\$1,009,409.00	\$0.00	\$988,259.00	(\$21,150.00)	
EXPENSE TOTALS	\$761,480.04	\$367,332.63	\$1,007,938.00	\$1,007,363.00	(\$575.00)	\$988,259.00	(\$19,104.00)	
Fund 520 - Mill Creek Special Service Area Totals	\$96,712.16	\$103,738.51	\$1,471.00	\$2,046.00	\$575.00	\$0.00	(\$2,046.00)	
Net Grand Totals								
REVENUE GRAND TOTALS	\$858,192.20	\$471,071.14	\$1,009,409.00	\$1,009,409.00	\$0.00	\$988,259.00	(\$21,150.00)	
EXPENSE GRAND TOTALS	\$761,480.04	\$367,332.63	\$1,007,938.00	\$1,007,363.00	(\$575.00)	\$988,259.00	(\$19,104.00)	
Net Grand Totals	\$96,712.16	\$103,738.51	\$1,471.00	\$2,046.00	\$575.00	\$0.00	(\$2,046.00)	



# FY24 First Level Budget Detail - Mill Creek Budget Year 2024

	YYYY.								
Account	Account Description	2020 Actual	2021 Actual	2022 Actual	2023 Adopted Budget	2024 Submitted	2024 First Review	FY24 FRL Less	
Account Fund <b>52</b>	Account Description  0 - Mill Creek Special Service Area	Amount	Amount	Amount	buuget	Budget	Budget	FY24 Submitted	
REVENU	-								
	tment 690 - Development								
Sub	-Department 000 - Revenues								
30000	Property Taxes	678,154.39	679,785.77	879,156.28	879,500.00	879,500.00	879,500.00	.00	
38000	Investment Income	14,348.59	(870.80)	(20,964.08)	5,103.00	5,103.00	5,103.00	.00	
38900	Miscellaneous Other	.00	1,122.69	.00	.00	.00	.00	.00	
39000	Transfer From Other Funds	.00	15,300.00	.00	.00	.00	.00	.00	
39900	Fund Balance Utilization	.00	.00	.00	124,806.00	124,806.00	124,806.00	.00	
	Sub-Department 000 - Revenues Totals	\$692,502.98	\$695,337.66	\$858,192.20	\$1,009,409.00	\$1,009,409.00	\$1,009,409.00	\$0.00	
	Department 690 - Development Totals	\$692,502.98	\$695,337.66	\$858,192.20	\$1,009,409.00	\$1,009,409.00	\$1,009,409.00	\$0.00	
	REVENUE TOTALS	\$692,502.98	\$695,337.66	\$858,192.20	\$1,009,409.00	\$1,009,409.00	\$1,009,409.00	\$0.00	
EXPENS	E								
	tment 690 - Development								
Sub 40000	-Department 730 - Mill Creek Special Service Area Salaries and Wages	44,797.19	42,729.46	68,649.97	69,758.00	68,289.00	68,289.00	.00	
40200	Overtime Salaries	216.09	.00	.00	.00	.00	.00	.00	
45000	Healthcare Contribution	729.31	8,616.34	17,848.44	19,085.00	19,084.00	19,084.00	.00	
			•	•		•	•		
45010	Dental Contribution	495.19	26.64	14.43	27.00	27.00	27.00	.00	
45100	FICA/SS Contribution	3,420.56	3,300.07	5,292.06	5,336.00	5,336.00	5,225.00	(111.00)	
45200	IMRF Contribution	3,580.42	3,795.29	4,699.20	3,593.00	3,592.00	3,128.00	(464.00)	
50150	Contractual/Consulting Services	19,633.21	13,039.91	1,677.90	40,200.00	40,200.00	40,200.00	.00	
50160	Legal Services	1,035.00	2,362.50	495.00	6,000.00	6,000.00	6,000.00	.00	
50480	Security Services	5,760.00	1,200.00	.00	9,000.00	9,000.00	9,000.00	.00	
52020	Repairs and Maintenance- Roads	62,640.04	67,862.62	65,112.43	110,000.00	110,000.00	110,000.00	.00	
52120	Repairs and Maint- Grounds	285,177.08	274,772.43	489,548.09	579,000.00	529,000.00	529,000.00	.00	
52180	Building Space Rental	11,960.10	13,415.50	12,184.87	17,000.00	17,000.00	17,000.00	.00	
52230	Repairs and Maint- Vehicles	.00	681.72	748.15	2,500.00	2,500.00	2,500.00	.00	
52250	Intersect Lighting Services	6,011.68	10,642.50	75,506.00	25,000.00	25,000.00	25,000.00	.00	
53000	Liability Insurance	1,116.00	1,032.00	1,619.00	2,037.00	2,037.00	2,037.00	.00	
53010	Workers Compensation	1,361.00	1,618.00	1,954.00	1,549.00	1,549.00	1,549.00	.00	
53020	Unemployment Claims	33.00	33.00	49.00	28.00	28.00	28.00	.00	
53060	General Printing	40.70	68.85	.00	1,000.00	1,000.00	1,000.00	.00	
53070	Legal Printing	353.98	207.00	.00	500.00	500.00	500.00	.00	
53100	•	.00	30.85	.00	.00	.00	.00	.00	
53100	Conferences and Meetings	.00	30.85	.00	.00	.00	.00	.00	



# FY24 First Level Budget Detail - Mill Creek Budget Year 2024

Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Adopted Budget	2024 Submitted Budget	2024 First Review Budget	FY24 FRL Less FY24 Submitted	
	20 - Mill Creek Special Service Area								
EXPEN	SE								
Depa	artment 690 - Development								
	b-Department 730 - Mill Creek Special Service Area								
55000	Miscellaneous Contractual Exp	136,342.61	12,950.00	.00	65,000.00	115,000.00	115,000.00	.00	
60000	Office Supplies	33.86	959.51	1,598.95	2,500.00	2,500.00	2,500.00	.00	
60010	Operating Supplies	4,334.26	4,589.39	341.25	3,000.00	3,000.00	3,000.00	.00	
60040	Postage	.00	820.80	.00	1,500.00	1,500.00	1,500.00	.00	
63020	Utilities- Intersect Lighting	9,122.42	8,343.14	7,347.34	17,100.00	17,100.00	17,100.00	.00	
63040	Fuel- Vehicles	.00	187.50	45.35	2,000.00	2,000.00	2,000.00	.00	
64010	Cellular Phone	.00	283.47	997.61	800.00	800.00	800.00	.00	
99000	Transfer To Other Funds	2,400.00	2,400.00	.00	.00	.00	.00	.00	
99001	Transfer to Fund 001	.00	.00	5,751.00	25,896.00	25,896.00	25,896.00	.00	
	Sub-Department 730 - Mill Creek Special Service Area Totals	\$600,593.70	\$475,968.49	\$761,480.04	\$1,009,409.00	\$1,007,938.00	\$1,007,363.00	(\$575.00)	
	Department 690 - Development Totals	\$600,593.70	\$475,968.49	\$761,480.04	\$1,009,409.00	\$1,007,938.00	\$1,007,363.00	(\$575.00)	
	EXPENSE TOTALS	\$600,593.70	\$475,968.49	\$761,480.04	\$1,009,409.00	\$1,007,938.00	\$1,007,363.00	(\$575.00)	
	Fund 520 - Mill Creek Special Service Area Totals								
	REVENUE TOTALS	\$692,502.98	\$695,337.66	\$858,192.20	\$1,009,409.00	\$1,009,409.00	\$1,009,409.00	\$0.00	
	EXPENSE TOTALS	\$600,593.70	\$475,968.49	\$761,480.04	\$1,009,409.00	\$1,007,938.00	\$1,007,363.00	(\$575.00)	
	Fund 520 - Mill Creek Special Service Area Totals	\$91,909.28	\$219,369.17	\$96,712.16	\$0.00	\$1,471.00	\$2,046.00	\$575.00	
	Net Grand Totals								
	REVENUE GRAND TOTALS	\$692,502.98	\$695,337.66	\$858,192.20	\$1,009,409.00	\$1,009,409.00	\$1,009,409.00	\$0.00	
	EXPENSE GRAND TOTALS	\$600,593.70	\$475,968.49	\$761,480.04	\$1,009,409.00	\$1,007,938.00	\$1,007,363.00	(\$575.00)	
	Net Grand Totals	\$91,909.28	\$219,369.17	\$96,712.16	\$0.00	\$1,471.00	\$2,046.00	\$575.00	



MANAAA										
Account	Account Description	on	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
d <b>520 - Mill C</b> r	eek Special Service	Area		1						
EVENUE										
Department <b>69</b>	00 - Development									
Sub-Departme	nt 000 - Revenues	5								
Property Taxes										
Real Property										
.690.000.30000	Property Taxes		678,154.39	679,785.77	879,156.28	469,211.70	879,500.00	879,500.00	879,500.00	.00
	et Transactions									
Lei		Transaction					Number of Units	Cost Per Unit	Total Amount	
	cond Review Budget	Amendment Passed 11.30					1.0000	200,000.00	200,000.00	
Sec	cond Review Budget	Property Taxes (District #	003 - Mill Creek SSA)	1			1.0000	679,500.00	679,500.00	
							Second Re	eview Budget Totals	\$879,500.00	
		Real Property Totals	\$678,154.39	\$679,785.77	\$879,156.28	\$469,211.70	\$879,500.00	\$879,500.00	\$879,500.00	\$0.00
		Property Taxes Totals	\$678,154.39	\$679,785.77	\$879,156.28	\$469,211.70	\$879,500.00	\$879,500.00	\$879,500.00	\$0.00
Interest Revenue	2									
.690.000.38000	Investment Incom	ne	14,348.59	(870.80)	(20,964.08)	1,859.44	5,103.00	5,103.00	5,103.00	.00
Budg	et Transactions									
Lei	vel	Transaction					Number of Units	Cost Per Unit	Total Amount	
Sec	cond Review Budget	Investment Income					1.0000	5,103.00	5,103.00	
							Second Re	eview Budget Totals	\$5,103.00	
Other	I	interest Revenue Totals	\$14,348.59	(\$870.80)	(\$20,964.08)	\$1,859.44	\$5,103.00	\$5,103.00	\$5,103.00	\$0.00
.690.000.38900	Miscellaneous Oth	er	.00	1,122.69	.00	.00	.00	.00	.00	.00
.690.000.39900	Fund Balance Utili	zation	.00	.00	.00	.00	124,806.00	124,806.00	103,656.00	(21,150.00)
Buda	et Transactions									
Lei		Transaction					Number of Units	Cost Per Unit	Total Amount	
	cond Review Budget	Decrease in funds needed	i				1.0000	(22,094.00)	(22,094.00)	
	cond Review Budget	Fund balance amount nee		ted expenses			1.0000	125,750.00	125,750.00	
				, ,				eview Budget Totals	\$103,656.00	
		Other Totals	\$0.00	\$1,122.69	\$0.00	\$0.00	\$124,806.00	\$124,806.00	\$103,656.00	(\$21,150.00)
Transfers In										
.690.000.39000	Transfer From Oth	ner Funds	.00	15,300.00	.00	.00	.00	.00	.00	.00
		Transfers In Totals	\$0.00	\$15,300.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Sub-Department 0	000 - Revenues Totals	\$692,502.98	\$695,337.66	\$858,192.20	\$471,071.14	\$1,009,409.00	\$1,009,409.00	\$988,259.00	(\$21,150.00)
			¢602 E02 00	¢60E 227.66	\$858,192.20	\$471,071.14	\$1,009,409.00	\$1,009,409.00	\$988,259.00	(\$21,150.00)
	Department 690	- Development Totals REVENUE TOTALS	\$692,502.98 \$692,502.98	\$695,337.66 \$695,337.66	\$636,192.20	\$4/1,0/1.14	\$1,009,409.00	\$1,000,100.00	\$300,233.00	(\$21,150.00)



AAAAA									
G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
	Mill Creek Special Service Area								
EXPENSE									
Departmen	nt 690 - Development								
Sub-Dep	partment 730 - Mill Creek Special Service Area								
	Services- Salaries & Wages								
_	Employees								
520.690.730.40	0000 Salaries and Wages	44,797.19	42,729.46	68,649.97	49,903.50	68,289.00	68,289.00	68,289.00	.00
	Position Transactions								
	Level Position		T	ype C	Code			Total Amount	
	Second Review Budget 908018000 - Millcreek	SSA Coordinator	Ea	arnings				68,289.00	
						Second Re	eview Budget Totals	\$68,289.00	
	Regular Employees Totals	\$44,797.19	\$42,729.46	\$68,649.97	\$49,903.50	\$68,289.00	\$68,289.00	\$68,289.00	\$0.00
Overtime 520.690.730.40	e Salaries 1200 Overtime Salaries	216.09	.00	.00	.00	.00	.00	.00	.00
5_0.050.750.10	Overtime Salaries Totals	\$216.09	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Personnel Services- Salaries & Wages Totals	\$45,013.28	\$42,729.46	\$68,649.97	\$49,903.50	\$68,289.00	\$68,289.00	\$68,289.00	\$0.00
Personnel	Services- Employee Benefits	ψ13,013.20	ψ 12,7 23. 10	φου,ο 13.37	\$ 15,505.50	ψ00,203.00	400,203.00	ψου,203.00	φ0.00
	nsurance								
520.690.730.45		729.31	8,616.34	17,848.44	13,616.78	19,084.00	19,084.00	.00	(19,084.00)
520.690.730.45	5010 Dental Contribution	495.19	26.64	14.43	.00	27.00	27.00	.00	(27.00)
	Group Insurance Totals	\$1,224.50	\$8,642.98	\$17,862.87	\$13,616.78	\$19,111.00	\$19,111.00	\$0.00	(\$19,111.00)
Social Se	ecurity Contributions								
520.690.730.45	FICA/SS Contribution	3,420.56	3,300.07	5,292.06	3,841.45	5,336.00	5,225.00	5,225.00	.00
	Budget Transactions								
	Level Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget FICA/SS Contribution					.0765	68,289.00	5,224.11	
						Second Re	eview Budget Totals	\$5,224.11	
	Social Security Contributions Totals	\$3,420.56	\$3,300.07	\$5,292.06	\$3,841.45	\$5,336.00	\$5,225.00	\$5,225.00	\$0.00
Retireme	ent Contributions								
520.690.730.45	IMRF Contribution	3,580.42	3,795.29	4,699.20	2,627.67	3,592.00	3,128.00	3,128.00	.00
	Budget Transactions								
	Level Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget IMRF Contribution					.0458	68,289.00	3,127.64	
						Second Re	eview Budget Totals	\$3,127.64	
	5 · · · · · · · · · · · · · · · · · · ·	\$3,580.42	\$3,795.29	\$4,699.20	\$2,627.67	\$3,592.00	\$3,128.00	\$3,128.00	\$0.00
	Retirement Contributions Totals	\$3,360.42	\$3,/95.29	\$4,099.20	\$2,027.07	\$3,392.00	\$3,120.00	\$5,120.00	<b>\$0.00</b>



PPYYY										
G/L Account	Account Descriptio	n	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
-	Iill Creek Special Service									
EXPENSE										
Departmen	t 690 - Development									
	artment 730 - Mill Creek	Special Service Area								
Contractual		1 Camina								
Purcnase Profes.	ed Professional and Technical	I Services								
520.690.730.50		ltina Services	19,633.21	13,039.91	1,677.90	1,389.24	40,200.00	40,200.00	40,200.00	.00
	·	9 50. 11665	13,000.21	10,000.01	2,0,7.130	1,005.2	.0,200.00	.0,200.00	.0,200.00	
	Budget Transactions	Turneration					Alonahan af Unita	Cook Don Unit	Tatal Amazzust	
	Level	Transaction	erchin Foo (IIII IF Inc)				Number of Units 1.0000	Cost Per Unit 4,000.00	Total Amount	
	Second Review Budget	J.U.L.I.E. Annual Membe					1.0000	•	4,000.00	
	Second Review Budget	J.U.L.I.E. Locater Service					52.0000	31,000.00 100.00	31,000.00	
	Second Review Budget	Jantorial Services (Indust	inal Maintenance)					view Budget Totals	5,200.00 \$40,200.00	
720 600 720 50	160 Land Camina		1.025.00	2 262 50	405.00	1 507 50				0
520.690.730.50	160 Legal Services		1,035.00	2,362.50	495.00	1,507.50	6,000.00	6,000.00	6,000.00	.00
	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	Legal Counsel (Ottosen, I	DiNolfo, et al)				1.0000	6,000.00	6,000.00	
							Second Re	view Budget Totals	\$6,000.00	
		Professional Totals	\$20,668.21	\$15,402.41	\$2,172.90	\$2,896.74	\$46,200.00	\$46,200.00	\$46,200.00	\$0.00
Techni										
520.690.730.50	480 Security Services		5,760.00	1,200.00	.00	.00	9,000.00	9,000.00	9,000.00	.00
	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	KC Sheriff's Services (MC	Addtl Contracted Deta	ils)			1.0000	9,000.00	9,000.00	
							Second Re	view Budget Totals	\$9,000.00	
		Technical Totals	\$5,760.00	\$1,200.00	\$0.00	\$0.00	\$9,000.00	\$9,000.00	\$9,000.00	\$0.00
	ırchased Professional and Ted	chnical Services Totals	\$26,428.21	\$16,602.41	\$2,172.90	\$2,896.74	\$55,200.00	\$55,200.00	\$55,200.00	\$0.00
	ed Property Services									
,	and Maintenance Services	Dd-	62.640.04	67.062.62	CE 112 12	E4 222 61	110 000 00	110 000 00	110 000 00	0.0
520.690.730.52	020 Repairs and Mainte	enance- Koads	62,640.04	67,862.62	65,112.43	54,323.61	110,000.00	110,000.00	110,000.00	.00
	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	Road Repairs & Maintena	, ,				1.0000	20,000.00	20,000.00	
		Snow Plowing & Salting S	Services				1.0000	80,000.00	80,000.00	
	Second Review Budget	•								
	Second Review Budget Second Review Budget	Street Sweeping Services					1.0000	10,000.00	10,000.00 \$110,000.00	



PAAAAA										
G/L Account	Account Descriptio	n	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change betwee 2nd and 1st R
<del>'</del>	ill Creek Special Service		711104110	741104110	7 arrodite	7 1110 01110	Daagee	Daagee	rterion baaget	2.10 0.10 2001
EXPENSE										
Department	690 - Development									
Sub-Depa	rtment 730 - Mill Creek	Special Service Area								
Contractual	Services	•								
Purchased	d Property Services									
Repair a	and Maintenance Services									
520.690.730.521	20 Repairs and Maint-	Grounds	285,177.08	274,772.43	489,548.09	154,553.02	529,000.00	529,000.00	529,000.00	
E	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	Bike Path Asphalt Repa	r/Maintenance				1.0000	15,000.00	15,000.00	
	Second Review Budget	Brush Pick-Up Services					1.0000	33,000.00	33,000.00	
	Second Review Budget	Common Area Lighting	` •	)			1.0000	5,000.00	5,000.00	
	Second Review Budget	Flag & Flag Pole Repair					1.0000	5,000.00	5,000.00	
	Second Review Budget	Grounds Maintenance C					1.0000	10,000.00	10,000.00	
	Second Review Budget	Holiday Lighting Service					1.0000	16,000.00	16,000.00	
	Second Review Budget	Landscape Maintenance	• •	ract)			1.0000	140,000.00	140,000.00	
	Second Review Budget	Miscellaneous Grounds	•				1.0000	10,000.00	10,000.00	
	Second Review Budget	Native Prairie Maintena	•	rvices			1.0000	44,000.00	44,000.00	
	Second Review Budget	Native Prairie Monitorin	-				1.0000	20,000.00	20,000.00	
	Second Review Budget	Sidewalk Repairs (Main		rement)			1.0000	47,000.00	47,000.00	
	Second Review Budget	Tree Installations (New	Parkway Trees)				1.0000	50,000.00	50,000.00	
	Second Review Budget	Tree Removal Services					1.0000	45,000.00	45,000.00	
	Second Review Budget	Tree Trimming					1.0000	54,000.00	54,000.00	
	Second Review Budget	Turf Fertilization					1.0000	35,000.00	35,000.00	
							Second Re	view Budget Totals	\$529,000.00	
20.690.730.522	Repairs and Maint-	Vehicles	.00	681.72	748.15	1,061.29	2,500.00	2,500.00	2,500.00	
E	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	MC SSA Vehicle (Routin	e Maintenance & Repai	rs)			1.0000	2,500.00	2,500.00	
							Second Re	view Budget Totals	\$2,500.00	
520.690.730.522	250 Intersect Lighting	Services	6,011.68	10,642.50	75,506.00	35,283.00	25,000.00	25,000.00	25,000.00	
E	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	Electrical Repair Mainte	nance				1.0000	25,000.00	25,000.00	
							Second Re	view Budget Totals	\$25,000.00	



Budget Year 2024

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G/L Account	Account Description	on	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund <b>520 - M</b>	Iill Creek Special Service	Area			'					
EXPENSE										
Departmen	t 690 - Development									
Sub-Dep	artment 730 - Mill Creek	Special Service Area								
Contractua										
	ed Property Services									
Rental								.=	.=	
520.690.730.52	180 Building Space Re	ntal	11,960.10	13,415.50	12,184.87	8,366.10	17,000.00	17,000.00	17,000.00	.00
	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	MC SSA Office Space Leas	se				1.0000	17,000.00	17,000.00	
							Second Re	eview Budget Totals	\$17,000.00	
		Rentals Totals	\$11,960.10	\$13,415.50	\$12,184.87	\$8,366.10	\$17,000.00	\$17,000.00	\$17,000.00	\$0.00
	Purchased Pa	roperty Services Totals	\$365,788.90	\$367,374.77	\$643,099.54	\$253,587.02	\$683,500.00	\$683,500.00	\$683,500.00	\$0.00
	ırchased Services									
	nnce, Other Than Employee L									
520.690.730.53	000 Liability Insurance		1,116.00	1,032.00	1,619.00	2,037.00	2,037.00	2,037.00	2,124.00	87.00
	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	Liability Insurance					.0311	68,289.00	2,123.79	
							Second Re	eview Budget Totals	\$2,123.79	
520.690.730.53	010 Workers Compens	ation	1,361.00	1,618.00	1,954.00	1,549.00	1,549.00	1,549.00	1,462.00	(87.00)
	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	Worker's Compensation					.0214	68,289.00	1,461.38	
								eview Budget Totals	\$1,461.38	
520.690.730.53	020 Unemployment Cla	aims	33.00	33.00	49.00	28.00	28.00	28.00	35.00	7.00
	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	Unemployment Claims					.0005	68,289.00	34.14	
							Second Re	eview Budget Totals	\$34.14	

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Change between 2nd and 1st Rev  2nd and 1st Rev  2nd and 1st Rev
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0.11			2020 Actual	2021 Actual	2022 Actual	2023 Actual	2024 Submitted	2024 First Review	2024 Second	Change between
G/L Account	Account Description		Amount	Amount	Amount	Amount	Budget	Budget	Review Budget	2nd and 1st Rev
	Mill Creek Special Service	Агеа								
EXPENSE	nt COO Develorment									
	nt 690 - Development	. Consider Consider Asses								
Commodit		Special Service Area								
General	Supplies									
520.690.730.60	O000 Office Supplies		33.86	959.51	1,598.95	3,617.89	2,500.00	2,500.00	2,500.00	.00
	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	Office/Printer Supplies					1.0000	2,500.00	2,500.00	
							Second Re	view Budget Totals	\$2,500.00	
520.690.730.60	0010 Operating Supplie	s	4,334.26	4,589.39	341.25	998.71	3,000.00	3,000.00	3,000.00	.00
	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	Miscellaneous Operating S	Supplies/Expenses				1.0000	3,000.00	3,000.00	
							Second Re	view Budget Totals	\$3,000.00	
520.690.730.60	0040 Postage		.00	820.80	.00	.00	1,500.00	1,500.00	1,500.00	.00
	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	Postcard Notification Mail	inas (Brush Pick-Up. e	etc)			1.0000	1,500.00	1,500.00	
	occoma nomeni paaget	. ootaa a maanaaan maa	95 (2. 45	,				view Budget Totals	\$1,500.00	
		General Supplies Totals	\$4,368.12	\$6,369.70	\$1,940.20	\$4,616.60	\$7,000.00	\$7,000.00	\$7,000.00	\$0.00
Energy		serierai supplies Totais	\$4,300.12	\$0,309.70	\$1,940.20	\$4,010.00	\$7,000.00	\$7,000.00	\$7,000.00	\$0.00
Electr										
520.690.730.63	*	Lighting	9,122.42	8,343.14	7,347.34	6,003.27	17,100.00	17,100.00	17,100.00	.00
	Budget Transactions									
	Level	Transaction					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget	Electric Utility (ComEd)					1.0000	15,000.00	15,000.00	
	Second Review Budget	Gas Utility (Nicor)					1.0000	2,000.00	2,000.00	
	Second Review Budget	Water/Sewer Utility (MC \	Water Rec Dist)				1.0000	100.00	100.00	
		, ,					Second Re	view Budget Totals	\$17,100.00	
		Electricity Totals	\$9,122.42	\$8,343.14	\$7,347.34	\$6,003.27	\$17,100.00	\$17,100.00	\$17,100.00	\$0.00
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G/L Account	Account Descriptio	1	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
<del>'</del>	reek Special Service		Amount	Amount	Amount	Amount	Duaget	Duaget	Review Badget	Zha ana 15t Ke
EXPENSE										
Department 6	90 - Development									
Sub-Departme	ent 730 - Mill Creek	Special Service Area								
Energy										
Gasoline										
20.690.730.63040	Fuel- Vehicles		.00	187.50	45.35	49.00	2,000.00	2,000.00	2,000.00	.0
Budo	get Transactions									
	evel	Transaction					Number of Units	Cost Per Unit	Total Amount	
Se	econd Review Budget	MC SSA Vehicle Fuel Allo	wance				1.0000	2,000.00	2,000.00	
							Second Re	view Budget Totals	\$2,000.00	
		Gasoline Totals	\$0.00	\$187.50	\$45.35	\$49.00	\$2,000.00	\$2,000.00	\$2,000.00	\$0.0
		Energy Totals	\$9,122.42	\$8,530.64	\$7,392.69	\$6,052.27	\$19,100.00	\$19,100.00	\$19,100.00	\$0.0
Telephone an	nd Cellphone									
20.690.730.64010	Cellular Phone		.00	283.47	997.61	498.10	800.00	800.00	800.00	.0
Budg	get Transactions									
Le	evel	Transaction					Number of Units	Cost Per Unit	Total Amount	
Se	econd Review Budget	Cellular Phone for MC On	-Site Coordinator				1.0000	800.00	800.00	
							Second Re	view Budget Totals	\$800.00	
	Telephone	and Cellphone Totals	\$0.00	\$283.47	\$997.61	\$498.10	\$800.00	\$800.00	\$800.00	\$0.00
Transfers Out		Commodities Totals	\$13,490.54	\$15,183.81	\$10,330.50	\$11,166.97	\$26,900.00	\$26,900.00	\$26,900.00	\$0.0
<i>Transfers Out</i> 520.690.730.99000	Transfer To Other									
	Trunsici To Outci	Funds	2,400.00	2,400.00	.00	.00	.00	.00	.00	.00
520.690.730.99001	Transfer to Fund 0		2,400.00 .00	2,400.00 .00	.00 5,751.00	.00 25,896.00	.00 25,896.00	.00 25,896.00	.00 25,896.00	.00. 00.
	Transfer to Fund 0		•	•						
Budg	Transfer to Fund 0	01	•	•			25,896.00	25,896.00	25,896.00	
Budg Le	Transfer to Fund 0 get Transactions evel	Transaction	.00	•			25,896.00  Number of Units	25,896.00  Cost Per Unit	25,896.00  Total Amount	
Budo <i>Le</i> Se	Transfer to Fund 0 get Transactions evel econd Review Budget	01	.00	•			25,896.00  Number of Units 1.0000	25,896.00 Cost Per Unit 20,000.00	25,896.00 <i>Total Amount</i> 20,000.00	
Budg Le Se Se	Transfer to Fund 0 get Transactions evel	Transaction TX to 001 - BLD/ITD Adn	.00	•			25,896.00  Number of Units	25,896.00 Cost Per Unit 20,000.00 2,400.00	25,896.00 <i>Total Amount</i> 20,000.00 2,400.00	
Budg Le Se Se	Transfer to Fund 0 get Transactions evel econd Review Budget econd Review Budget	Transaction TX to 001 - BLD/ITD Adn TX to 001 - Mill Creek Ve	.00	•			25,896.00  Number of Units 1.0000 1.0000 1.0000	25,896.00 Cost Per Unit 20,000.00	25,896.00 <i>Total Amount</i> 20,000.00	
Budg Le Se Se	Transfer to Fund 0 get Transactions evel econd Review Budget econd Review Budget	Transaction TX to 001 - BLD/ITD Adn TX to 001 - Mill Creek Ve	.00	•			25,896.00  Number of Units 1.0000 1.0000 1.0000	25,896.00  Cost Per Unit 20,000.00 2,400.00 3,496.00	25,896.00  Total Amount 20,000.00 2,400.00 3,496.00	.0(
Budg Le Se Se	Transfer to Fund 0 get Transactions evel econd Review Budget econd Review Budget	Transaction TX to 001 - BLD/ITD Adn TX to 001 - Mill Creek Ve TX to 001 ITD support  Transfers Out Totals	.00 nin Support Services nicle \$2,400.00 \$600,593.70	\$2,400.00 \$475,968.49	5,751.00	\$25,896.00 \$25,896.00 \$367,332.63	25,896.00  Number of Units 1.0000 1.0000 5econd Re \$25,896.00 \$1,007,938.00	25,896.00  Cost Per Unit 20,000.00 2,400.00 3,496.00 view Budget Totals  \$25,896.00 \$1,007,363.00	25,896.00  Total Amount 20,000.00 2,400.00 3,496.00 \$25,896.00	\$0.00 (\$19,104.00
Budg Le Se Se	Transfer to Fund 0 get Transactions evel econd Review Budget econd Review Budget econd Review Budget econd Review Budget	Transaction TX to 001 - BLD/ITD Adn TX to 001 - Mill Creek Ve TX to 001 ITD support  Transfers Out Totals eek Special Service	.00 nin Support Services nicle \$2,400.00	\$2,400.00	\$5,751.00	25,896.00 \$25,896.00	25,896.00  Number of Units 1.0000 1.0000 5econd Re \$25,896.00	25,896.00  Cost Per Unit 20,000.00 2,400.00 3,496.00 view Budget Totals \$25,896.00	25,896.00  Total Amount 20,000.00 2,400.00 3,496.00 \$25,896.00  \$25,896.00	



G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
	REVENUE TOTALS	\$692,502.98	\$695,337.66	\$858,192.20	\$471,071.14	\$1,009,409.00	\$1,009,409.00	\$988,259.00	(\$21,150.00)
	EXPENSE TOTALS	\$600,593.70	\$475,968.49	\$761,480.04	\$367,332.63	\$1,007,938.00	\$1,007,363.00	\$988,259.00	(\$19,104.00)
Fund	520 - Mill Creek Special Service Area Totals	\$91,909.28	\$219,369.17	\$96,712.16	\$103,738.51	\$1,471.00	\$2,046.00	\$0.00	(\$2,046.00)
	Net Grand Totals								
	REVENUE GRAND TOTALS	\$692,502.98	\$695,337.66	\$858,192.20	\$471,071.14	\$1,009,409.00	\$1,009,409.00	\$988,259.00	(\$21,150.00)
	EXPENSE GRAND TOTALS	\$600,593.70	\$475,968.49	\$761,480.04	\$367,332.63	\$1,007,938.00	\$1,007,363.00	\$988,259.00	(\$19,104.00)
	Net Grand Totals	\$91,909.28	\$219,369.17	\$96,712.16	\$103,738.51	\$1,471.00	\$2,046.00	\$0.00	(\$2,046.00)