



PROPOSAL FOR ELECTRICAL WORK

Commercial & Industrial Contractors · 5709 Wattsburg Road · Erie, PA 16509 · Ph. (814) 825-3456

TO: **Erie County Technical School**
8500 Oliver Road
Erie, PA 16509
Matt LaVerde

DATE: **October 18, 2023**

PROPOSAL
NUMBER: **1018**

We hereby propose to furnish all labor and material necessary to provide the **Electrical Installation** for various items located at **Erie, Pennsylvania** in accordance with the following specifications, and subject to the conditions of contract.

Subject: **Renovations Project**
Change Order #60
Changes to Graphics Area -Rev 1

Change Overview:

- Added Data Drops: \$38,050.00
 - 165 Total data drops, 82 included in contract drawings, 83 added in revisions.
 - Included with additional drops: Cat 6 cable, jack, labeling, rough in, faceplate, termination, testing, patch cord, two additional 48 port switches at rack, two horizontal organizers.
 - Rough-in reduced by combining drops into groups of 4, 5, and 6.
 - Labor savings with pulling these this way as well.
- Power Changes: \$10,537 – \$2,880.00 = \$7,657.00
 - Power Poles removed and will be turned over to ECTS. Credit (\$2880.00)
 - Replaced with metal stud mounted back boxes, receptacles will be fed horizontally with metal clad cable.
- Added Fire Alarm: \$3,577.00
 - Four strobes, one per bathroom, device, installation, rough-in and programing.
- Added Lighting in Bathrooms: \$6,275.00
 - Four W1 and four DJL1 light fixtures, rough-in, device, installation.

The price for the work described above will be: **\$ 55,559.00**

Payable on the following terms: **ADD to Contract**

Accepted By: _____
Customer

By: Scott Murdock
Contractor

Date: _____

CHURCH & MURDOCK ELECTRIC, INC.

CHANGE ORDER REQUEST FORM

DATE: October 2023

CHANGE ORDER #60 Graphics Changes REV1

Erie County Tech School

CONTRACTOR.: Church & Murdock Electric

MATERIAL*

Description	Quantity	Unit of Measure	Unit Cost	Total Cost	Total Material Cost
3/4" CONDUIT - EMT	440	C	\$108.75	\$478.50	
1 1/4" CONDUIT - EMT	300	C	\$305.75	\$917.25	
3/4" CONN SS STL - EMT	76	E	\$0.49	\$37.24	
1 1/4" CONN SS STL - EMT	40	E	\$2.88	\$115.20	
3/4" COUPLING SS STL - EMT	44	E	\$1.15	\$50.60	
1 1/4" COUPLING SS STL - EMT	20	E	\$3.14	\$62.80	
1/2 OR 3/4" CONDUIT SNAP CLOSE CLIP W/ 1/4-20 THRD	35	E	\$1.15	\$40.25	
3/4" CONDUIT SUPPORT FOR ROD OR FLNG	4	E	\$1.55	\$6.20	
1/2 OR 3/4" SNAP CLOSE CLIP - SIDE MNT TO MTL STUD	48	E	\$3.00	\$144.00	
1/2 OR 3/4" SNAP CLOSE CLIP ON ANGLE BRKT	40	E	\$3.00	\$120.00	
1/2 OR 3/4" CONDUIT+BOX SUPPORT W/ 9/32" MNTG HOL	32	E	\$7.00	\$224.00	
#14 THHN BLACK	320	M	\$112.50	\$36.00	
#12 THHN BLACK	924	M	\$175.00	\$161.70	
#12/2C SOLID CABLE MC - STL ARMOR	432	M	\$725.00	\$313.20	
#18/2C CL2 JKT T-STAT CBL	160	M	\$380.00	\$60.80	
3/8" CONN SADDLEGRIP DC FOR FLEX / AC-90 / MC	72	E	\$1.40	\$100.80	
NMC OR MC/AC SUPPORT TO WOOD OR MTL STUD	36	E	\$2.00	\$72.00	
CABLE/CONDUIT ANTI-RATTLE SUPPORT FOR MTL STUD	144	E	\$2.00	\$288.00	
WIRE CONN YEL	16	C	\$17.88	\$2.86	
WIRE CONN RED	192	C	\$25.48	\$48.92	
LABEL - CABLE	166	E	\$0.25	\$41.50	
TERM - EQPMT RM 4 PR (DATA)	166	E	\$0.01	\$1.66	
CABLE TEST - 4 PR (DATA)	83	E	\$0.01	\$0.83	
4x 1 1/2" SQ BOX COMB KO	36	E	\$3.50	\$126.00	
4x 1 1/2" SQ BOX COMB KO W/ FLUSH MTL STUD BRKT	56	E	\$3.50	\$196.00	
4" SQ 1G PLSTR RING 5/8" RISE	24	E	\$3.00	\$72.00	
4" SQ 2G PLSTR RING 5/8" RISE	36	E	\$3.00	\$108.00	
4" SQ BLANK COVER	32	E	\$1.46	\$46.72	
GROUND SCREW W/ INSUL #12 LEAD	36	C	\$1.32	\$0.48	
1/4" THREADED ROD - PLTD	200	C	\$79.50	\$159.00	
3/8" THREADED ROD - PLTD	6	C	\$143.66	\$8.62	
1/4-20 HEX NUT - PLTD STL	99	C	\$6.16	\$6.10	
3/8-16 HEX NUT - PLTD STL	4	C	\$4.65	\$0.19	
3/8" FLAT WASHER - PLTD STL	4	C	\$9.40	\$0.38	
#10x 1 P/H SELF-TAP SCREW	12	C	\$10.28	\$1.23	
#8x 1/2 WAFER HEAD SELF-TAP STUD SCREW - 12G	64	C	\$9.96	\$6.37	
HAMMER-ON CLIP TO 1/4" FLANGE W/ 1/4" THRD ROD HI	67	E	\$2.00	\$134.00	
HAMMER-ON CLIP TO 1/4" FLANGE W/ 3/8" THRD ROD HI	2	E	\$2.00	\$4.00	
#8x 1/2 WAFER HEAD SHEET MTL SCREW	316	C	\$9.96	\$31.47	
CBL - CMP CAT6 UTP BLU	16,600	M	\$350.00	\$5,810.00	
HORIZONTAL WIRE MANAGER	2	E	\$150.00	\$300.00	
48 PORT CAT 6 PATCH PANEL	2	E	480	\$960.00	
VELCRO - 8" LOOP TIE	83	E	\$0.35	\$29.05	
RJ45 CAT6 BLU 8 POSITION JACK	83	E	\$6.02	\$499.66	
CORD - 5' PATCH CMP CAT5e YELLOW	83	E	\$5.00	\$415.00	
2G DUPLEX REC PLATE - PLASTIC IVY	36	E	\$0.54	\$19.44	
20A 125V 3W SGL REC - BRN (SG)	15	E	\$8.78	\$131.70	
20A 125V DUP REC - GFCI IVY (SG)	4	E	\$25.47	\$101.88	
F/A STROBE - WALL MNT	4	E	\$150.00	\$600.00	
F/A VERIFICATION - PER SIGNALLING DEVICE	4	E	\$0.01	\$0.04	
Data Face Plate	21	E	\$9.50	\$199.50	
J-Hook	21	E	\$3.00	\$63.00	
Fixture W1	4	E	\$379.00	\$1,516.00	
Fixture DLJ1	4	E	\$193.95	\$775.80	
Fire Alarm Programing	1	E	\$600.00	\$600.00	

Power Pole Labor Credit	16	E	\$0.01	\$0.16	
			(C) SUBTOTAL MATERIAL	\$16,246.10	
			(D) 10% OH & PROFIT (C x 10%)	\$1,624.61	
			(E) SUBTOTAL W/OH & PROFIT (C + D)		\$17,870.71
LABOR *					
Trade	No. of Workers	Total Hours (H)	Total Rate w/Fringes (HR)	Total Cost (H x HR)	Total Labor Cost
Foreman Electrician	1	92.00	\$95.00	\$8,740.00	
Journeyman Electrician	1	307.00	\$88.00	\$27,016.00	
Composite Rate Credit for Power Poles	1	32.00	\$90.00	\$2,880.00	
			(F) SUBTOTAL LABOR	\$32,876.00	
			10% Profit (F x 10%)	\$3,287.60	
			(H) SUBTOTAL W/OH & PROFIT (F + G)		\$36,163.60
Sub-Contractor					
Equipment	Quantity (Q)	Total Weeks	Rate	Total Cost (HR x R)	Total Equip. Cost
				\$0.00	
			Delivery Charges	\$0.00	
			SUBTOTAL EQUIPMENT COSTS	\$0.00	
			PROFIT (I x 10%)	\$0.00	
			SUBTOTAL W/OH & PROFIT (I & J)		\$0.00
SUMMARY					
			TOTAL MATERIAL	\$17,870.71	
			TOTAL LABOR	\$36,163.60	
			TOTAL Subcontractor	\$0.00	
			MATERIAL TAX	\$974.77	
			BOND	\$550.09	
			TOTAL PROPOSAL:		\$55,559.17
				Church and Murdock Electric	
				<i>Scott Murdock</i>	
				Contractor's Signature	