



**AT Group, Inc.**

Managing the Design & Construction Process

## MEMORANDUM

**TO:** Jay Lerner, Executive Director  
Waukegan Park District

**DATE:** January 16, 2024

**SUBJECT:** Carnegie Library Renovation  
Elevator Shunt Trip

**Peiper Change Order – Elevator Shunt Trip**

**\$ 22,977.86**

As part of the final elevator design approval, the City of Waukegan's elevator inspector is requiring the addition of a shunt trip to shut power to the elevator in the event a sprinkler head is activated in the elevator shaft, the elevator equipment room or the elevator pit. Since fire protection is required by code for these areas, the shunt trip with an initiating device is required. A requirement for this device was never included in the bid documents.

Attached is a proposal to provide the necessary equipment and connections to complete this work. The Design/Construct team has reviewed the Proposed Change Order with Staff and would recommend the Board's approval. The funds will come from the Construction Manager's Construction Contingency.

Should you have any questions or need additional information, please do not hesitate to contact us

**The AT Group, Inc.**

A handwritten signature in black ink that reads "Aulisio".

Jerry Aulisio  
Principal



# AIA® Document G701® – 2017

## Change Order

**PROJECT: (Name and address)**  
Carnegie Library Renovation Project  
1 N. Sheridan  
Waukegan, IL 60085

**CONTRACT INFORMATION:**  
Contract For: Electrical  
Date: 12/31/2023

**CHANGE ORDER INFORMATION:**  
Change Order Number: 009  
Date: 12/31/2023

**OWNER: (Name and address)**  
Waukegan Park District  
124 Golf Road  
Waukegan, IL 60087

**ARCHITECT: (Name and address)**  
Harboe Architects, PC  
140 South Dearborn  
Chicago, IL 60603

**CONTRACTOR: (Name and address)**  
Pieper Electric, Inc.  
4210 43rd Ave  
Kenosha, WI 53144

**THE CONTRACT IS CHANGED AS FOLLOWS:**

*(Insert a detailed description of the change and, if applicable, attach or reference specific exhibits. Also include agreed upon adjustments attributable to executed Construction Change Directives.)*

Pieper PCO15 - RFI #99 Response - Shunt Trip Requirement

The original Contract Sum was	\$	<u>736,000.00</u>
The net change by previously authorized Change Orders	\$	<u>183,466.06</u>
The Contract Sum prior to this Change Order was	\$	<u>919,466.06</u>
The Contract Sum will be increased by this Change Order in the amount of	\$	<u>22,977.86</u>
The new Contract Sum including this Change Order will be	\$	<u>942,443.92</u>

The Contract Time will be increased by Zero (0) days.  
The new date of Substantial Completion will be

**NOTE:** This Change Order does not include adjustments to the Contract Sum or Guaranteed Maximum Price, or the Contract Time, that have been authorized by Construction Change Directive until the cost and time have been agreed upon by both the Owner and Contractor, in which case a Change Order is executed to supersede the Construction Change Directive.

**NOT VALID UNTIL SIGNED BY THE ARCHITECT, CONTRACTOR AND OWNER.**

Harboe Architects, PC  
ARCHITECT (Firm name)

Pieper Electric, Inc  
CONTRACTOR (Firm name)

Waukegan Park District  
OWNER (Firm name)

\_\_\_\_\_  
SIGNATURE

\_\_\_\_\_  
SIGNATURE

\_\_\_\_\_  
SIGNATURE

Bob Score, Project Manager  
PRINTED NAME AND TITLE

Andy Bean, Dept. Supervisor  
PRINTED NAME AND TITLE

Jay Lerner, Executive Director  
PRINTED NAME AND TITLE

12/31/2023  
DATE

12/31/2023  
DATE

12/31/23  
DATE

CB: \_\_\_\_\_

Dexter: \_\_\_\_\_



PIEPER ELECTRIC, INC. | Solutions Powered by People Since 1947

**PCO #15**

**RFI #99 Response – Shunt Trip Requirement**

December 14, 2023

**Re: Waukegan Carnegie Library**

Pieper Electric Inc. proposes to provide material and labor in response to RFI #99, that a shunt trip be tied into the elevator and fire alarm system.

**Inclusions:**

- Furnish & install 200A shunt trip disconnect.
- Furnish & install fire alarm relays, monitors and devices required for elevator shut down.
- Furnish & install conduit and wire for power and fire alarm control
- Furnish coordination with owner, other trades and Berglund Construction.

**Proposed Price: \$22,977.86**

**Exclusions:**

- Taxes
- Coordination drawings.
- Dumpsters.
- Premium time.
- Permit fees
- Review fees.

Thank you for allowing me to quote on this project. If you have any questions, please contact me.

Sincerely,

Andy Bean  
Department Supervisor



Waukegan Carnegie Library

12/14/23

Elevator Shunt Trip RFI #99 Response

Pieper Electric

	Description	Quantity	Trade Price	Unit	Labor	Unit	Total Material	Total Hours
1	3/4" CONDUIT - EMT	350	92.00	C	6.20	C	322.00	21.70
2	3/4" CONN SS STL - EMT	26	43.00	C	12.00	C	11.18	3.12
3	3/4" COUPLING SS STL - EMT	31	39.00	C	6.00	C	12.09	1.86
4	3/4" BUSHING GRDG INSUL 150 DEG - STEEL	8	937.71	C	25.00	C	60.01	2.00
5	2" BUSHING GRDG INSUL 150 DEG - STEEL	4	1,768.17	C	35.00	C	56.58	1.40
6	3/4" 1-H STRAP - EMT - STEEL	51	38.00	C	5.00	C	19.38	2.55
7	3/4" FLEX - STEEL	24	110.00	C	6.20	C	26.40	1.49
8	2" FLEX - STEEL	12	480.00	C	25.00	C	57.60	3.00
9	3/4" CONN FLEX DC SQUEEZE STRAIGHT	8	210.00	C	17.00	C	16.80	1.36
10	2" CONN FLEX DC SQUEEZE STRAIGHT	2	2,081.90	C	37.00	C	41.64	0.74
11	2" CONN FLEX DC SQUEEZE 90 DEG	2	4,859.47	C	45.00	C	97.19	0.90
12	#3/0 THHN BLACK	80	3,100.00	M	32.50	M	248.00	2.60
13	#18- 1P F/A CABLE 105 DEG	176	250.00	M	15.00	M	44.00	2.64
14	#14- 1P F/A CABLE 105 DEG	443	290.00	M	0.00	M	128.47	0.00
15	# 1 STRD TO #3/0 STRD CU SPLIT BOLT CONNECTOR	8	2,794.00	C	200.00	C	223.52	16.00
16	WIRE CONN YEL	16	14.39	C	2.00	C	2.30	0.32
17	WIRE CONN RED	18	19.36	C	2.00	C	3.48	0.36
18	4x 1 1/2" SQ BOX COMB KO	17	395.00	C	35.00	C	67.15	5.95
19	4" SQ BLANK COVER	9	110.00	C	9.00	C	9.90	0.81
20	#8 TO #10x 7/8 PLAS ANCHOR (3/16)	85	6.23	C	18.70	C	5.30	15.90
21	#10x 1 P/H SELF-TAP SCREW	85	10.28	C	3.94	C	8.74	3.35
22	F/A DETECTOR - PHOTOELECTRIC SMOKE - ADDRESSABLE	2	0.00	E	0.25	E	0.00	0.50
23	F/A DETECTOR - RATE OF RISE HEAT - ADDRESSABLE	2	0.00	E	0.25	E	0.00	0.50
24	F/A DETECTOR BASE LOW PROFILE - ADDRESSABLE	4	0.00	E	0.00	E	0.00	0.00
25	CONTROL MODULE MULTIPLEX	3	0.00	E	0.75	E	0.00	2.25
26	MONITOR MODULE MULTIPLEX	1	0.00	E	0.75	E	0.00	0.75
27	F/A VERIFICATION - PER INITIATING DEVICE	5	0.00	E	0.20	E	0.00	1.00
28	F/A VERIFICATION - PER ANCILLARY POINT	3	0.00	E	0.20	E	0.00	0.60
29	#3/0-3C + GRD MOTOR TERM TO 600V	2	0.00	E	0.00	E	0.00	0.00
30	#3/0 WIRE POWER TERM	8	0.00	E	0.50	E	0.00	4.00
31	PROJECT MANAGEMENT	2	0.00	E	1.00	E	0.00	2.00
32	SHUNT TRIP DISCONNECT	1	2,725.00	E	4.00	E	2,725.00	4.00
	<b>Totals</b>	<b>1,488</b>					<b>4,186.73</b>	<b>103.64</b>

	Labor Type	Crew	Hours	Full Rate	SubTotal	Total
1	FOREMAN w/TRUCK	1.00	51.32	145.00	7,441.40	7,441.40
2	JOURNEYMAN	1.00	51.32	132.00	6,774.24	6,774.24
3	PROJECT MANAGER		1.00	102.00	102.00	102.00
	<b>Totals</b>	<b>2.00</b>	<b>103.64</b>	<b>138.15</b>	<b>14,317.64</b>	<b>14,317.64</b>

	Final Pricing	Calculated (%)	Calculated (\$)	Variance (%)	Modified (\$)	Modified (%)	% Final Price
	Database Material (Extension)		4,142.73		4,142.73		18.029
	Quoted Material (Extension)		44.00		44.00		0.191
	Material Total		4,186.73		4,186.73		18.221
	Direct Labor		14,317.64		14,317.64		62.311
	Labor Total		14,317.64		14,317.64		62.311
	Subcontractors		1,975.00		1,975.00		8.595
	Total Cost		20,479.37		20,479.37		89.127
	Subcontractors Markup	5.000	98.75		98.75	5.000	0.430
	Adjustment Markup	9.518	1,949.19		1,949.19	9.518	8.483
	Total Markup	10.000	2,047.94		2,047.94	10.000	8.913
	Bond Increase	2.000	450.55		450.55	2.000	1.961
	Selling Price		22,977.86		22,977.86		100.000
	Final Price		22,977.86		22,977.86		