



AIA Document G731™ – 2019

Change Order, Construction Manager as Adviser Edition

PROJECT: (name and address)

TK Stone Middle School Renovation

323 Morningside Dr, Elizabethtown, KY
42701**OWNER: (name and address)**Elizabethtown Independent Board of Education
219 Helm Street, Elizabethtown, KY 42701**CONTRACTOR: (name and address)**Advanced Electrical Systems, inc.
P. O. Box 36503, Louisville, KY 40233-6503**CONTRACT INFORMATION:**Contract For:
BP 260-04 Electrical
Date:
January 22, 2025**CHANGE ORDER INFORMATION:**Change Order Number:
021
Date:
July 02, 2026**ARCHITECT: (name and address)**Ross -Tarrant Architects
101 Old Lafayette Ave, Lexington, KY 40502**CONSTRUCTION MANAGER: (name and address)**Alliance Corporation
116 E. College Street, Glasgow, KY 42141**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.)*

Cost associated with electrical cost for new domestic water heaters.

The original Contract Sum was	\$ 4,683,548.17
Net change by previously authorized Change Orders	\$ 12,120.49
The Contract Sum prior to this Change Order was	\$ 4,695,668.66
The Contract Sum will be increased by this Change Order in the amount of	\$ 3,147.83
The new Contract Sum including this Change Order will be	\$ 4,698,816.49

The Contract time will be unchanged by (0) days.

The Contractor's Work shall be substantially complete on .

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, CONSTRUCTION MANAGER, CONTRACTOR, AND OWNER.**ARCHITECT (Signature)**BY: Oreon Williams, Ross Tarrant Architects
(Printed name, title, and license number if required)

Date

CONSTRUCTION MANAGER (Signature)BY: Dalton Jackson, Alliance Corporation
(Printed name and title)

Date

CONTRACTOR (Signature)BY: Advanced Electrical Systems
(Printed name and title)

Date

OWNER (Signature)BY: Paul Mullins, Superintendent, Elizabethtown Board of Education
(Printed name and title)

Date

PR-18 DOMESTIC HW NARRATIVE

Date	2026-04-21
Project #	23016/XETR23
Project Name	TK Stone Middle School Renovation Project
Project Location	323 Morningside Dr, Elizabethtown, KY 42701

NARRATIVE ITEMS

*Refer to the clouded areas of the included sheets for drawing revisions outlined in this narrative.

1. Demolish existing domestic hot water heat exchanger and associated pumps in basement area.
2. Provide new domestic hot water heating system as outlined in attached sheet P4.0. Refer to clouded schematic.
3. Provide power to new equipment as required. Reuse existing panel powering domestic hot water system.

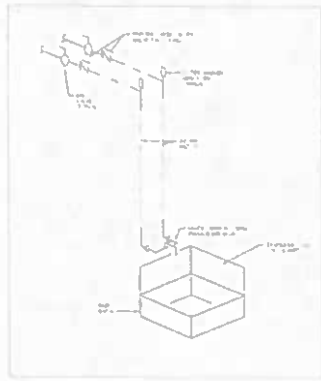
End of Narrative Items

Respectfully,

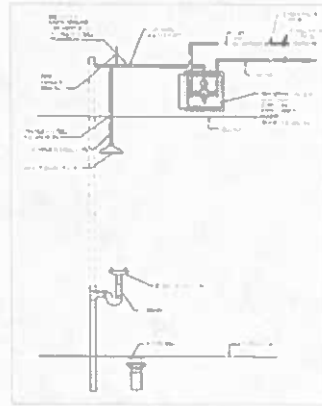
Will Taylor, P.E.
Mechanical Engineer

115 Memorial Drive
Paducah, KY 42001
C: 270.625.5378

cmta.com



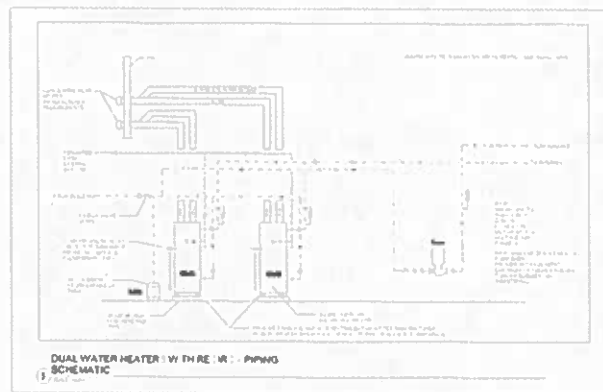
1 MOP BASIN DETAIL



2 SAFETY STATION (SHOWER & EYEWASH) DETAIL

PUMP SCHEDULE									
Zone	Flow (GPM)	Pressure (PSI)	Flow (GPM)	Pressure (PSI)	Flow (GPM)	Pressure (PSI)	Flow (GPM)	Pressure (PSI)	Flow (GPM)
1	10	10	20	20	30	30	40	40	50
2	10	10	20	20	30	30	40	40	50
3	10	10	20	20	30	30	40	40	50
4	10	10	20	20	30	30	40	40	50
5	10	10	20	20	30	30	40	40	50
6	10	10	20	20	30	30	40	40	50
7	10	10	20	20	30	30	40	40	50
8	10	10	20	20	30	30	40	40	50
9	10	10	20	20	30	30	40	40	50
10	10	10	20	20	30	30	40	40	50

1. The pump schedule is based on the flow and pressure requirements of the system. The flow and pressure requirements are determined by the design of the system and the capacity of the pumps.



3 DUAL WATER HEATER WITH RE-IR PIPING SCHEMATIC



ADVANCED ELECTRICAL SYSTEMS, INC.
(502) 962-1102 Fax (502) 962-8836 www.aeslou.com

POWERING THE FUTURE!

Change Order Summary

Time & Material Summary:

Lump Sum: X

Description of work:

PR # 18 - Domestic Water Re-work.

Demo existing pipework and install one 20a circuit to feed recirculating pump located at the previous location.

DESCRIPTION	Material	Labor
Misc. Materials	\$ 155.42	\$ 2,572.50
		\$ -
Fuel Surcharge - \$95	\$ 95.00	\$ -
Material delivery - \$125	\$ 125.00	\$ -
Subtotal Material & Labor	\$ 375.42	\$ 2,572.50

DEDUCT	Material	Labor
	\$0.00	\$0.00
Subtotal Deduct	\$0.00	\$0.00

Labor Rate Calculations				
CLASSIFICATION	HOURS	RATE	LABOR COST	
AGF ST	0	\$ 101.20	\$0.00	
Gen. F-man ST	0	\$ 99.40	\$0.00	
Foreman ST	14	\$ 95.25	\$1,333.47	
Journeyman ST	14	\$ 88.50	\$1,239.04	
Apprentice ST	0	\$ 86.75	\$0.00	
AGF TH	0	\$ 151.50	\$0.00	
Gen. F-man TH	0	\$ 147.50	\$0.00	
Foreman TH	0	\$ 132.55	\$0.00	
Journeyman TH	0	\$ 123.60	\$0.00	
Apprentice TH	0	\$ 90.75	\$0.00	
AGF OT	0	\$ 178.25	\$0.00	
Gen. F-man OT	0	\$ 171.85	\$0.00	
Foreman OT	0	\$ 166.75	\$0.00	
Journeyman OT	0	\$ 154.25	\$0.00	
Apprentice OT	0	\$ 112.85	\$0.00	
Safety	0	\$ 116.75	\$0.00	
Project Management	0	\$ 180.59	\$0.00	
Other	0		\$0.00	
Subtotal Labor	28		\$2,572.50	

Subcontractors	
Subtotal Subcontractors	\$ -

Equipment Rental (including tax)	
Subtotal Equipment Rental	\$ -

CUSTOMER ACCEPTANCE & AUTHORIZATION TO PROCEED WITH CHANGE ORDER:

SIGNATURE TITLE DATE

PRINTED NAME CONTRACT / PO NUMBER

AES Change Order No. 16

Contractor: Advanced Electrical Systems, Inc.

Date: May 12, 2026

Revision:

AES Job No. 250150

Cust. Contract No.

Cust. RFP No.

Additional Days

SWO #:

Clarification

Price Valid for 30 Days

BID SUMMARY

Material Cost	\$	375.42
Material Mark-up 15.0%	\$	56.31
Tax 6.0%	\$	22.53
Total Material Costs	\$	454.26

Sub Contractor Costs	\$	-
Sub Contractor Mark-up 7.5%	\$	-
Total Sub Contractor Cost	\$	-

Equipment Rental	\$	-
Equipment Rental Mark-up 15.0%	\$	-
Total Equipment Cost	\$	-

Labor Cost	\$	2,572.50
Markup on Labor	\$	-

Total Labor Cost \$ 2,572.50

Subtotal Add Cost	\$	3,028.76
Bond Included 4.0%	\$	121.07
Total CO Add Cost	\$	3,149.83

Material Deduct		
Tax on Deduct Material 6.0%		
Labor Deduct		
Subcontractor Deduct		
Equipment Rental Deduct		
Bond Included 2.0%		
Total CO Deduct Cost		

Change Order Total: \$ 3,149.83

Quantity	Item Name	Price	Ext Price	Labor	Ext Labor
	Combined->Combined- Quoted Items		<u>\$155.42</u>		<u>27.32</u>
			\$0.00		18.88
16.00	LBR DEMO pipework	\$0.00 E	\$0.00	1.18 E	18.88
	Branch Conduit		\$43.31		4.25
30.00	3/4" EMT Conduit	\$118.09 C	\$34.83	0.25 C	2.48
2.00	3/4" EMT/CMPI Con	\$54.29 C	\$1.09	0.35 E	0.71
6.00	3/4" EMT/CMP Coupli	\$59.88 C	\$3.59	0.18 E	1.06
1.00	3/4" GRS Coupling	\$380.39 C	\$3.80	0.00 C	0.00
	Generic Supports		\$8.12		0.30
4.20	3/4" EMT Generic S	\$145.74 C	\$6.12	7.08 C	0.30
	Branch Wire		\$44.71		1.59
180.00	#12 THHN Copper Str	\$248.41 M	\$44.71	8.85 M	1.59
	Labor Only		\$0.00		0.71
6.00	#12ga. Termination (	\$0.00 X	\$0.00	0.12 E	0.71
	Flexible Conduit		\$32.98		0.71
10.00	1/2" EF/LT Sealable	\$170.40 C	\$17.04	4.72 C	0.47
2.00	1/2" L/T 90 - Conn It	\$796.91 C	\$15.92	11.89 C	0.24
	Kindorf		\$28.32		0.89
10.00	B907 3/4" with/Hole	\$240.00 C	\$24.00	5.33 C	0.53
10.00	C105 3-4" GRS Strap	\$43.20 C	\$4.32	3.54 C	0.35
			<u>\$155.42</u>		<u>27.32</u>

PR-18 DOMESTIC HW NARRATIVE

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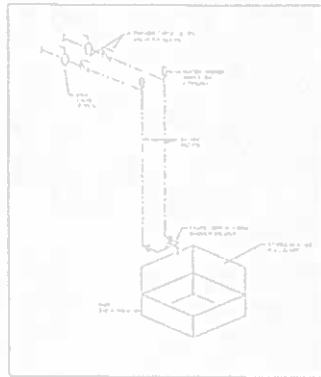
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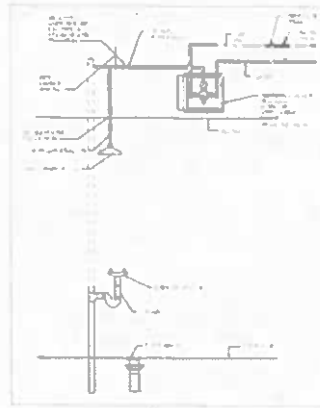
Respectfully,

Will Taylor, P.E.
Mechanical Engineer

115 Memorial Drive
Paducah, KY 42001
C: 270.625.5378
cmta.com



1 MOP SINK DETAIL



2 SAFETY STATION / SHOWER & EYE WASH DETAIL

PUMP PUMP SCHEDULE									
NO.	WATER	SEWER	WATER	SEWER	WATER	SEWER	WATER	SEWER	WATER
1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	1	1	1
31	1	1	1	1	1	1	1	1	1
32	1	1	1	1	1	1	1	1	1
33	1	1	1	1	1	1	1	1	1
34	1	1	1	1	1	1	1	1	1
35	1	1	1	1	1	1	1	1	1
36	1	1	1	1	1	1	1	1	1
37	1	1	1	1	1	1	1	1	1
38	1	1	1	1	1	1	1	1	1
39	1	1	1	1	1	1	1	1	1
40	1	1	1	1	1	1	1	1	1
41	1	1	1	1	1	1	1	1	1
42	1	1	1	1	1	1	1	1	1
43	1	1	1	1	1	1	1	1	1
44	1	1	1	1	1	1	1	1	1
45	1	1	1	1	1	1	1	1	1
46	1	1	1	1	1	1	1	1	1
47									

FACPAC Contract Change Order Supplemental Information Form (Ref# 65369)

Form Status: Saved

Tier 1 Project: T.K. STONE RENOVATION & ADDITION

BG Number: 24-207

Status: Active

District: Elizabethtown Independent (HB678) (152)

Phase: Project Initiation (View Checklist)

Contract: Advanced Electrical Systems, Inc. , 0260, Electrical

Type: CM Bid Package

Proposed

Change Order Number	4
Time Extension Required	No
Date Of Change Order	7/2/2026
Change Order Amount To Date	Increase

Construction Contingency

Calculations below are project wide. Remaining negative Construction Contingency may require the submission of a revised BG1.

Current Approved Amount	\$1,129,054.90
Net Approved COs	\$373,966.89
Remaining After Approved COs	\$755,088.01
Net All COs	\$530,395.04
Remaining After All COs	\$598,659.86

This Requested Change Order Amount \$3,147.83

+/-

Change In A/E Fee This Change Order \$212.48

+/-

Change In CM Fee This Change Order \$0.00

+/-

Remaining Construction Contingency \$598,659.86

Balance

Contract Change Requested By Local Board of Education

Contract Change Reason Code Expansion of Scope

Change Order Description And Justification

Cost associated with electrical cost for new domestic water heaters. PR#18

Cost Benefit To Owner

The cost of this change order has been reviewed and determined to be reasonable.

Contract unit prices have been utilized No
to support the cost associated with this
change order.

Detailed Cost Breakdown

Contract unit prices have not been utilized, provide a detailed cost breakdown which separates labor, material, profit and overhead.

Detail Item	Amount	Percent of Total
Labor	\$2,572.50	81.72%
Materials	\$454.26	14.43%
Profit and Overhead	\$121.07	3.85%
Bond Insurance		0.00%
Cost Breakdown Total:	\$3,147.83	

Cost for this Change Order supported by an alternate bid or competitive price quote

Explain Why

Executed contract with contractor

**Change Order Supplemental Information Form Signature
Page (Online Form Ref# 65369)**

Architect

Date

Construction Manager

Date

Finance Officer

Date

Local Board of Education Designee

Date