

**AIA**[®]**Document G701[®] – 2017****Change Order**

PROJECT: *(Name and address)*
 Holmes Campus Ventilation Upgrades
 Holmes Administration Building / 2500
 Madison Ave.
 Covington, KY 41014

CONTRACT INFORMATION:
 Contract For: General Construction
 Date: 11-30-2023

CHANGE ORDER INFORMATION:
 Change Order Number: 006
 Date: 07-14-2025

OWNER: *(Name and address)*
 Covington Independent Board of Education
 25 East Seventh Street
 Covington, KY 41011

ARCHITECT: *(Name and address)*
 Emboss Design, PSC
 906 Monmouth Street
 Newport, KY 41071

CONTRACTOR: *(Name and address)*
 Schrudde & Zimmerman, Inc.
 1671 Park Road, Suite No. 11
 Ft. Wright, KY 41011

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.)

Item 06-01 (CR#19)

Provide labor and materials to install one 600A disconnect at the single phase transformer in the boiler room due to the distance from the transformer to the first overcurrent protection exceeding 25 feet. Required by Electrical Inspector. Cost Benefit to Owner: Required to receive final electrical inspection approval.

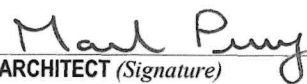
ADD: \$11,705.00

The original Contract Sum was	\$	4,831,964.37
The net change by previously authorized Change Orders	\$	216,030.00
The Contract Sum prior to this Change Order was	\$	5,047,994.37
The Contract Sum will be increased by this Change Order in the amount of	\$	11,705.00
The new Contract Sum including this Change Order will be	\$	5,059,699.37

The Contract Time will be unchanged 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.


ARCHITECT *(Signature)*

BY: Mark Perry, Sr. Project Manager
(Printed name, title, and license number if required)

7/14/2025
Date


CONTRACTOR *(Signature)*

Cheryl Seagr, Project Manager
(Printed name and title)

07/15/2025
Date

OWNER *(Signature)*

(Printed name and title)

Date

Schrudde & Zimmerman
inc.
GENERAL CONTRACTORS

TELEPHONE (859) 331-3160

1671 PARK ROAD
SUITE 11
FT. WRIGHT, KENTUCKY 41011

July 8, 2025

EMBOSS DESIGN
Attention: Mark Perry
906 Monmouth Street
Newport, KY 41071

Re: **HOLMES CAMPUS VENTILATION**
Change Request #19 – Added Disconnect per Electrical Inspector

Dear Mark,


Per Electrical Inspector, the following is the cost to add a 600A disconnect:

Glenwood Electric	\$10,760.00
5% OH/P	\$538.00
3.6% Bond & Insurance	<u>\$407.00</u>
Total Proposal	\$11,705.00

Respectfully Submitted,

Sherry Feger

Schrudde & Zimmerman, Inc.

				
Change Order Pricing				
PROJECT:	Holmes High School HVAC Upgrades	DATE:	7/7/2025	
TO:	Schrudde & Zimmerman, Inc.			
ATTN:	Sherry Seger			
CONTRACTOR:	Glenwood Electric Inc.			
	12250 Chandler Drive			
	Walton, KY 41094			
Description of Change: 600A disconnect				
		Labor Unit Hours	Total Labor Costs	Material Cost
Quantity	Description			Amount
Materials				
	FDL Quoter Attached			\$4,149.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
	Freight/Delivery Charges			\$0.00
	Material Subtotal:			\$4,149.00
Labor				
64	Electrician - regular see backup page	\$ 84.13	\$5,384.32	
0	1.5 X overtime	\$ 107.27	\$0.00	
0	Onsite Project Manager-regular 10% of Total Hours	\$ 125.00	\$ -	
0	1.5 X overtime	\$ 200.00	\$ -	
0	Supervision - regular 20% of Total Hours	\$ 93.76	\$0.00	
0	1.5 X overtime	\$ 120.89	\$0.00	
	Per Diem (add correct rate)	\$ 25.00	\$0.00	
	Labor Subtotal			\$5,384.32
Equipment:				
				\$0.00
				\$0.00
	Equipment Subtotal			\$0.00
Tiered Subs				
				\$0.00
				\$0.00
	Subtotal Tiered Subs			\$0.00
	SUBTOTAL ABOVE:			\$9,533.32
Other Charges:				
	Glenwood Equipment Usage			\$0.00
	Consumables			\$0.00
	Material Deliveries			\$0.00
	Safety			\$0.00
	Other Subtotal			\$0.00
	Subtotal Labor, Material, Equipment & Other:			\$9,533.32
	(ADD CORRECT TAX RATE) Sales Tax:			\$248.94
	10% markup:			\$978.23
	Subtotal Tiered Subs:			\$0.00
	Tiered Subs 5% Overhead & Profit			\$0.00
	Sub Total Charges for Material, Equipment, Labor & Tiered Subs:			\$10,760.49
	TOTAL COST			\$10,760.49

F.D. LAWRENCE ELECTRIC CO.

ELECTRICAL DISTRIBUTION, AUTOMATION AND LIGHTING EQUIPMENT

THE F.D. LAWRENCE ELECTRIC CO.
 3450 BEEKMAN STREET
 CINCINNATI, OH 45223
 Phone 513-542-1100
 Fax 513-542-2422

QUOTE TO:

SHIP TO:

GLENWOOD ELECTRIC CO INC
 12250 CHANDLER DRIVE
 WALTON, KY 41094

GLENWOOD ELECTRIC CO INC
 12250 CHANDLER DRIVE
 WALTON, KY 41094

**Quotation**

EXPIRATION DATE	QUOTE NUMBER
07/03/2025	S101074812
THE F.D. LAWRENCE ELECTRIC CO. 3450 BEEKMAN STREET CINCINNATI, OH 45223 Phone 513-542-1100 Fax 513-542-2422	PAGE NO.
	1 of 1

CUSTOMER NUMBER	CUSTOMER PO NUMBER	JOB NAME / RELEASE NUMBER	SALESPERSON		
1275	600 AMP DISCONNECT		GREGG FEIE		
WRITER		SHIP VIA	TERMS	SHIP DATE	FREIGHT ALLOWED
Eric Nelson			PASS ALONG 10TH	07/29/2025	No
ORDER QTY	DESCRIPTION		UNIT PRICE	EXT PRICE	
1ea	SQD H326N SW FUSIBLE HD 240V 600A 3 Nonstock Item at FDL		2605.970/ea	2605.97	
2ea	BUSS FRNR600 250V RK5 TD FUSE		127.512/ea	255.02	
1ea	SQD GD4060LK KIT,LUGS FOR 400+600A Nonstock Item at FDL		161.499/ea	161.50	
3ea	CRS-H 457 3 EMT RGD SS CONN		704.675/c	21.14	
3ea	RACO 3412 3-IN STR LIQ-TITE CONN		7594.937/c	227.85	
20ea	SEALTITE LA 3 IN UA COND 25/BOX -28102-		1355.759/c	271.15	
10ea	BLINE B22-SH-10FT-GALV SLOT CHNL / B22SH-120GLV - HEAVY 500' - MASTER		241.194/c	24.12	
3ea	BLINE B2015PAZN 3" EMT/RIG CLAMP		232.907/c	6.99	
50ea	DOTTIE MA7 3/8" Machine Screw Anchors		108.747/c	54.37	
100ea	DOTTIE MB381 3/8 X 1 Hex Head Tap Bolts Zinc Plated		27.766/c	27.77	
100ea	DOTTIE FENW38114 3/8 X 1-1/4 Fender Washers Zinc Plated		15.378/c	15.38	
135ea	XHHW ALUM 600 MCM Nonstock Item at FDL		3411.850/m	460.60	
15ea	XHHW ALUM 4/0		1175.324/m	17.63	
Taxes not included, they will be included on invoices when applicable! All Wire Quotes are valid for 24 hours only!!			Subtotal		4149.49
			S&H Charges		0.00
			Amount Due		4149.49

Notice of Non-Conforming Work

Electric Inspection

2012 Callie Way Ste. 102
Union, Kentucky 41091
(859) 746-9111

P.O. Box 98
Union, Kentucky 41091
Fax (859) 746-9124

Project / Contractor

Permit #: K123-043530
Job 2500 MADISON AVENUE
Address:
City, State, COVINGTON, KY, 41014
Zip:
Job # / Lot
#:
Report To: DWZ@GLENWOODELECTRIC.COM

Contractor: GLENWOOD ELECTRIC
Address: 12250 CHANDLER DRIVE
City/State/Zip: WALTON, KY 41094
Phone: (85) 948-5700
Email:

Inspection Information

Inspection 07/01/2025
Date:
Expiration: 07/01/2025
Re-Inspection:

Inspection FINAL
Type:
Area:
Results: DW

The electrical wiring and/or equipment specified below are in violation of the National Electrical Code and the rules and regulations of the Kentucky Building Code as noted below. These must be corrected before the expiration date or action will be taken to revoke this permit. Additional items may be required as construction progresses. If you have any questions, please contact the electrical inspector at the above noted address and phone number.

ADAM GRAYSON
Inspector

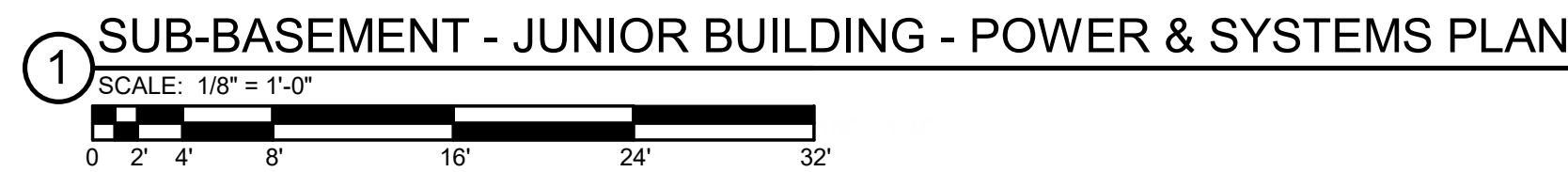
07/01/2025
Date

Two transformers need the grounding electrode conductors from the building grounding system extended into them. When the bonding is done in the transformer, the grounding electrode conductors have to be terminated in the transformer. 250.30(A)(5)

The single phase transformer secondary exceeds 25 feet to the first overcurrent protection. Also, there are more than six breakers without a main that serve as the secondary overcurrent protection. Both of these issues can be resolved by installing a secondary fusible disconnect close to the transformer. 450.3(B)

Install source of supply labels on all new gear and panelboards. 408.4(B)

Install phase identification labels on all new gear and panelboards. 210.5(C)(1)



- A. REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND EMBEDDED MOUNTED ELECTRICAL DEVICES.
- B. CONTRACTOR SHALL FOLLOW BRACED RIGGING LAYOUT-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE IDENTIFIED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL NOT BE USED FOR CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CAPACITIES PER NEC 310.15(B)(3), AND UPSIZE CONDUCTORS TO MEET REQUIREMENTS OF NEC 310.15(C). MULTIWIRE BRANCH CIRCUITS AS DEFINED IN NEC 900.210 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- C. IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, MOTORS, ETC. PROVIDE CLEAR LABELS WITH ADHESIVE LABELS WITH BLACK LETTERING.
- D. RECEPTACLES THAT ARE CONTROLLED BY AN AUTOMATIC MEANS SUCH AS OCCUPANCY SENSOR OR ENERGY MANAGEMENT SYSTEM SHALL BE IDENTIFIED AS SUCH.
- E. LOCATIONS OF ELECTRICAL CONNECTIONS AND LOCAL DISCONNECTS SHALL BE COORDINATED WITH MECHANICAL AND PLUMBING CONTRACTORS TO ENSURE ACCESS AND WORKING CLEARANCE IS MAINTAINED PERMITTED PER NEC 110.26. MAINTAIN CLEARANCE AREAS TO AVOID ROUTING OF OTHER SYSTEMS IN THESE AREAS. DO NOT INSTALL ELECTRICAL EQUIPMENT OVER EQUIPMENT NAMEPLATES OR ACCESS PANELS OR THROUGH ACCESS PANELS.
- F. MAINTAIN MAINTENANCE CLEARANCES OF EQUIPMENT BY OTHER TRADES.

E44 WIRE AND INSTALL NEW ELECTRICAL EQUIPMENT FURNISHED BY OWNER. RECONNECT EXISTING FEEDERS TO NEW SWITCHBOARD. EXISTING FEEDERS AS REQUIRED TO SERVE NEW ELECTRICAL EQUIPMENT. REFER TO SINGLELINE AND PANELBOARD SCHEDULES FOR ADDITIONAL INFORMATION.

E45 WIRE AND INSTALL NEW ELECTRICAL EQUIPMENT FURNISHED BY OWNER. E.C. SHALL RECEIVE DELIVERY OF OWNER PURCHASED EQUIPMENT AND INSTALL. PROVIDE DRIP PAN OVER NEW ELECTRICAL EQUIPMENT.

E46 PROVIDE NEW 4" CONCRETE HOUSEKEEPING PAD FOR NEW ELECTRICAL EQUIPMENT.

E47 PROVIDE NEW CONDUIT RUN IN TUNNELS BETWEEN BUILDINGS FOR FEEDERS FROM JUNIOR BUILDING ELECTRICAL SUB-BASEMENT TO NEW ELECTRICAL EQUIPMENT IN ADMIN BUILDING AND SENIOR BUILDING. REFER TO CONDUIT ROUTING PLAN AD-E207 FOR ADDITIONAL INFORMATION.

E55 PROVIDE NEW SECONDARY TRANSFORMER. NEW SWITCHBOARD LOCATION. PROVIDE EXISTING UTILITY TRANSFORMER TO REMAIN. PROVIDE (4) PARALLEL SETS OF #600 WITH #400 GND. IN EXISTING 5" CONDUITS FROM EXISTING TRANSFORMER LOCATION TO UTILITY VAULT. PROVIDE NEW CONCRETE ENCASED CONDUITS FROM UTILITY VAULT TO NEW SWITCHBOARD LOCATION. RELOCATE EXISTING GENERATOR FUEL TANK AND ASSOCIATE PIPING AS REQUIRED TO ACCOMMODATE NEW CONDUIT RUN. REFER TO SINGLELINE DIAGRAM FOR ADDITIONAL INFORMATION.

E56 BACKFEED EXISTING UNIT SUBSTATION IN THIS SPACE FROM NEW 240-V EXISTING T-JR-SUB. REWORK EXISTING CONDUCTORS TO ACCOMMODATE AS REQUIRED TO SERVE NEW EQUIPMENT LOCATION.

E57 EXISTING CAPACITOR BANK TO REMAIN. EXTEND EXISTING FEEDER TO NEW ELECTRICAL EQUIPMENT LOCATION.

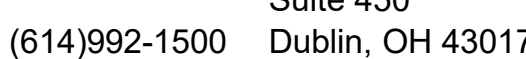
E58 EXISTING ELECTRICAL EQUIPMENT TO REMAIN. EXTEND EXISTING FEEDER AS REQUIRED TO ACCOMMODATE LOCATION OF NEW SWITCHBOARD SERVING EQUIPMENT.

E68 NEW UTILITY METER AND CTS BY UTILITY COMPANY. COORDINATE EXACT EQUIPMENT LOCATION WITH UTILITY COMPANY. PROVIDE SUPPORTS FOR MOUNTING NEW METER AS REQUIRED. WIRE AND INSTALL PER UTILITY COMPANY STANDARDS.

E97 PROVIDE HEAVY-DUTY NEW 1 RATED 600A FUSIBLE DISCONNECT ON SECONDARY SIDE OF NEW TRANSFORMER SERVING EXISTING SWITCHBOARD IN THIS SPACE.

L1 CONNECT TO EXISTING LIGHTING BRANCH CIRCUIT PREVIOUSLY SERVING FIXTURES IN THIS SPACE. BRANCH CIRCUIT LABEL SHOWN FOR REFERENCE ONLY. E.C. SHALL VERIFY EXISTING BRANCH CIRCUIT PRIOR TO WORK.

L2 CONNECT TO EXISTING EMERGENCY LIGHTING BRANCH CIRCUIT SERVING EXISTING EMERGENCY FIXTURES PREVIOUSLY IN THIS SPACE.



2500 Madison Ave.
Covington, KY 41014
BG #23-062
Covington Ind. Public Schools

[illegible]

22-090

AD-E205

PRINT DATE: ??????

- A. REFER TO SPECIFICATIONS FOR CONDUCTOR REQUIREMENTS. ALL FEEDERS SHALL BE COPPER UNLESS OTHERWISE NOTED.
- B. PROVIDE ENGRAVED LAMACOID LABELS FOR ALL POWER DISTRIBUTION EQUIPMENT FURNISHED OR MODIFIED IN THIS PROJECT. LABELS PER DETAILS AND SPECIFICATIONS.
- C. SERVICE EQUIPMENT SHALL BE MARKED WITH THE MAXIMUM AVAILABLE FAULT-CURRENT AT THE EQUIPMENT AND THE DATE THE CALCULATION WAS PERFORMED. APPLY A TYPE-WRITTEN ADHESIVE LABEL WITH WHITE BACKGROUND, 1/2" HIGH BLACK LETTERING.
- D. CONTRACTOR SHALL INSTALL, SEPARATE CONDUITS, PULL BOXES, ETC. FOR EACH EMERGENCY POWER BRANCH & NORMAL POWER PER NEC FOR COMPLETE SEPARATION OF POWER SERVICES.
- E. ALL CIRCUIT BREAKERS AND/OR DISCONNECTS SERVING THE PRIMARY SIDE OF A TRANSFORMER WHICH ARE NOT WITHIN SITE OF THE TRANSFORMER SHALL BE PROVIDED WITH PERMANENTLY INSTALLED MEANS TO LOCK THE BREAKER IN THE OFF POSITION. SUCH TRANSFORMERS SHALL HAVE THE ROOM NAME AND NUMBER OF THE PRIMARY DISCONNECT MEANS ENGRAVED ON THE EQUIPMENT NAMEPLATE.
- F. ALL SPARE BREAKERS SHALL BE SO LABELED IN CIRCUIT DIRECTORIES AND SHALL BE LEFT IN THE OFF POSITION.
- G. ALL MOUNTING SPACE SHALL BE NOTED ON DRAWINGS AND SCHEDULES. ALL MOUNTING SPACE SHALL BE PREPARED TO ACCEPT FUTURE BREAKERS.
- H. NO CONDUIT SHALL BE INSTALLED UNDERGROUND, EXCEPT FOR DISTRIBUTION EQUIPMENT FEEDERS, EXTERIOR CONDUITS, PARKING LOT ISLANDS, UNLESS REQUIRED FOR THE APPLICATION (FLOOR BOXES, ISLANDS, ETC.) OR OTHERWISE SPECIFICALLY INDICATED AS SUCH IN CONSTRUCTION DOCUMENTS. NO CONDUIT SHALL BE INSTALLED WITHIN CONCRETE SLABS.
- I. SEE SPECIFICATIONS FOR POWER STUDY REQUIREMENTS.
- J. PROVIDE ELECTRONIC TRIP BREAKERS ON ALL EMERGENCY BRANCH CIRCUITS WHERE REQUIRED FOR SELECTIVE COORDINATION.
- K. TRANSITION ALUMINUM (AL) TO COPPER (CU) AT EQUIPMENT DISCONNECT WHERE FOR MECHANICAL CONNECTIONS. PROVIDE CORRECT CONNECTION AND LOCATION WITH MECHANICAL CONTRACTOR AND SUBMITTALS PRIOR TO RUNNING CONDUIT AND WIRE.

KEYNOTES - AD-E602	
E1	EXTEND EXISTING BRANCH CIRCUIT TO NEW EQUIPMENT LOCATION. MATCH EXISTING CONDUCTOR SIZE AND PROVIDE ACCORDINGLY.
E2	NEW EATON POW-R LINE GENERAL PURPOSE SWITCHBOARD FURNISHED BY OWNER. WIRED AND INSTALLED BY E.C.

