



# AIA® Document G731™ – 2019

## Change Order, Construction Manager as Adviser Edition

**PROJECT: (name and address)**

Christian County High School

5185 Fort Campbell Blvd Hopkinsville,  
KY 42240

**OWNER: (name and address)**

Christian County Board of Education  
200 Glass Avenue  
Hopkinsville, KY 42240

**CONTRACTOR: (name and address)**

State Electric Co., Inc.  
140 College Street  
Crofton, KY 42217

**CONTRACT INFORMATION:**

Contract For: BP 260-04  
Electrical

Date: September 08, 2023

**ARCHITECT: (name and address)**

Hafer PSC  
21 Southeast Third St, Ste 800  
Evansville, IN 47708

**CHANGE ORDER INFORMATION:**

Change Order Number: 012

Date: March 13, 2024

**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.)*

Delete disconnect switches for RTUs and add power to elevator emergency power indicator lights. Add electrical to 2nd scoreboard in aux. gym. Supply side bonding jumper modifications. Electrical modifications per telescoping bleacher submittal review.

|                                                                          |                  |
|--------------------------------------------------------------------------|------------------|
| The original Contract Sum was                                            | \$ 11,715,191.00 |
| Net change by previously authorized Change Orders                        | \$ 25,951.32     |
| The Contract Sum prior to this Change Order was                          | \$ 11,741,142.32 |
| The Contract Sum will be increased by this Change Order in the amount of | \$ 24,756.35     |
| The new Contract Sum including this Change Order will be                 | \$ 11,765,898.67 |

The Contract Time will be unchanged by Zero (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.**

Hafer PSC

**ARCHITECT (Firm name)**

Alliance Corporation

**CONSTRUCTION MANAGER (Firm name)**

**SIGNATURE**

Eric Rang, AIA, Senior Associate

**PRINTED NAME AND TITLE**

**SIGNATURE**

Kevin Hitchel, Sr. Project Manager

**PRINTED NAME AND TITLE**

**DATE:**

State Electric Co., Inc.

**CONTRACTOR (Firm name)**

**DATE:**

Christian County Board of Education

**OWNER (Firm name)**

**SIGNATURE**

Matt Crick

**PRINTED NAME AND TITLE**

**DATE:**

**SIGNATURE**

Christopher Bentzel, Superintendent

**PRINTED NAME AND TITLE**

**DATE:**



# PROPOSED CHANGE ORDER

**PROJECT** Christian County High School

**CONTRACTOR/SUPPLIER** State Electric

**BID PACKAGE** 260

| DETAIL ITEM                 | AMOUNT              |
|-----------------------------|---------------------|
| LABOR                       | \$ 13,805.06        |
| MATERIALS                   | \$ 7,722.20         |
| PROFIT & OVERHEAD           | \$ 3,229.09         |
| BOND INSURANCE              |                     |
| <b>COST BREAKDOWN TOTAL</b> | <b>\$ 24,756.35</b> |

## DESCRIPTION

Delete Disconnect Switches for RTUs and Add Power to Elevator Emergency Power Indicator Lights.

Add Electrical to 2nd Scoreboard in Aux. Gym.

Supply Side Bonding Jumper Modifications.

Electrical Modifications per Telescoping Bleacher Submittal Review

**PR #** 4, 5, 8, and 9 (ATTACH PR)

## CHANGE ORDER INITIATED BY:

  X   ARCHITECT/ENGINEER

       OWNER

       CONTRACTOR

       CM

       CODE OFFICIAL

       OTHER \_\_\_\_\_

PLEASE INCLUDE THIS FORM WITH EVERY  
CHANGE ORDER.

## PROPOSAL REQUEST

|                 |                                                                                  |                        |                   |
|-----------------|----------------------------------------------------------------------------------|------------------------|-------------------|
| <b>Project:</b> | Christian County High School<br>5185 Ft. Campbell Blvd<br>Hopkinsville, KY 42240 | <b>PR No.:</b>         | 004               |
|                 |                                                                                  | <b>Date:</b>           | November 17, 2023 |
| <b>Owner:</b>   | Christian County Public Schools<br>222 Glass Ave<br>Hopkinsville, KY 42240       | <b>Project Number:</b> | 2106-204          |
|                 |                                                                                  | <b>Contract for:</b>   | Electrical        |
| <b>To:</b>      | Tim Geegan<br>Alliance Corporation<br>116 E. College Steet<br>Glasgow, KY 42141  |                        |                   |
| <b>RE:</b>      | Delete E.C. Provided Disc Switches for RTUs and Add Elev on E-Pwr Ckts           |                        |                   |

Please submit an itemized quotation for changes in the Contract Sum and/or Time incidental to proposed modifications to the Contract Documents described herein.  
THIS IS NOT A CHANGE ORDER NOR A DIRECTION TO PROCEED WITH THE WORK DESCRIBED HEREIN.

### Description:

- 1) Delete the requirement for the electrical contractor to furnish and install fusible safety disconnect switches (and the required stainless steel support structures to support the disconnect switches) for the following rooftop HVAC units. Note: The rooftop units shall be furnished with factory installed fusible safety disconnect devices as specified.
  - a. RTU-A. "DS-RTU-A" (100A/3, 480V, Fusible, NEMA 3R) – Reference Sheets E2.3A & E5.3.
  - b. RTU-B1. "DS-RTU-B1" (60A/3, 480V, Fusible, NEMA 3R) – Reference Sheet E2.3A.
  - c. RTU-B2. "DS-RTU-B2" (200A/3, 480V, Fusible, NEMA 3R) – Reference Sheets E2.3B-ALT & E5.3.
  - d. RTU-B3. "DS-RTU-B3" (200A/3, 480V, Fusible, NEMA 3R) – Reference Sheets E2.3B-ALT & E5.3.
  - e. RTU-B4. "DS-RTU-B4" (200A/3, 480V, Fusible, NEMA 3R) – Reference Sheets E2.3B-ALT & E5.3.
  - f. RTU-B5. "DS-RTU-B5" (200A/3, 480V, Fusible, NEMA 3R) – Reference Sheets E2.3B-ALT & E5.3.
  - g. RTU-C. "DS-RTU-C" (100A/3, 480V, Fusible, NEMA 3R) – Reference Sheets E2.3C & E5.4.
  - h. RTU-D. "DS-RTU-D" (200A/3, 480V, Fusible, NEMA 3R) – Reference Sheets E2.3A & E5.4.
  - i. RTU-E. "DS-RTU-E" (200A/3, 480V, Fusible, NEMA 3R) – Reference Sheets E2.3C & E5.5.
  - j. RTU-F1. "DS-RTU-F1" (200A/3, 480V, Fusible, NEMA 3R) – Reference Sheets E2.3F & E5.6.
  - k. RTU-F2. "DS-RTU-F2" (200A/3, 480V, Fusible, NEMA 3R) – Reference Sheets E2.3F & E5.6.
  - l. RTU-G1. "DS-RTU-G1" (200A/3, 480V, Fusible, NEMA 3R) – Reference Sheets E2.3F & E5.6.
  - m. RTU-G2. "DS-RTU-G2" (60A/3, 480V, Fusible, NEMA 3R) – Reference Sheets E2.3F & E5.6.
  - n. RTU-G3. "DS-RTU-G3" (60A/3, 480V, Fusible, NEMA 3R) – Reference Sheets E2.3G & E5.6.
  - o. RTU-G4. "DS-RTU-G4" (60A/3, 480V, Fusible, NEMA 3R) – Reference Sheets E2.3G & E5.6.

- p. RTU-J1. "DS-RTU-J1" (200A/3, 480V, Fusible, NEMA 3R) – Reference Sheets E2.3H & E5.7.
- q. RTU-J2. "DS-RTU-J2" (60A/3, 480V, Fusible, NEMA 3R) – Reference Sheets E2.3H & E5.7.
- r. RTU-J3. "DS-RTU-J3" (200A/3, 480V, Fusible, NEMA 3R) – Reference Sheets E2.3J & E5.7.
- s. RTU-J4. "DS-RTU-J4" (60A/3, 480V, Fusible, NEMA 3R) – Reference Sheets E2.3J & E5.7.
- t. RTU-K. "DS-RTU-K" (60A/3, 480V, Fusible, NEMA 3R) – Reference Sheet E2.3K.

- 2) Add required circuits (per the elevator provider's requirements) between Automatic Transfer Switch "ATS700H" and the elevator controllers for elevators "ELEV D", "ELEV E", "ELEV G", ELEV J" & "ELEV B(Gymnasium)" for pre-signal circuits before the ATS switches between power sources and for indication circuits identifying when the elevator is on normal vs. emergency power sources. Provide additional auxiliary dry contacts within the ATS as required for correct operation with the elevators. Reference Sheet E5.2.

Attachments:      None

By:                      Eric Rang

CC:



140 college St.  
Crofton, KY 42217  
PH(270) 424-8242

CCHS  
Alliance Corporation  
RE: PR-004  
Adder

11/27/2023

Discription: PR-004 - ADDER Provide additional auxiliary contacts within the ATS as required for correct operation with elevator.

| Item Discription: | Qty: | Unit:  | Total:     | Unit Hrs: | Total Hrs: | Labor Unit: | Total Labor: |
|-------------------|------|--------|------------|-----------|------------|-------------|--------------|
| Conduit           | 2809 | \$1.02 | \$2,865.18 |           | 112.39     | \$65.00     | \$7,305.35   |
| Couplings         | 280  | 1.35   | \$378.00   |           | 9.83       | \$65.00     | \$638.95     |
| Connectors        | 76   | 1.3    | \$98.80    |           | 3.8        | \$65.00     | \$247.00     |
| Straps            | 561  | 3.5    | \$1,963.50 |           | 16.85      | \$65.00     | \$1,095.25   |
| Four Square Box   | 40   | 3.35   | \$134.00   |           | 4          | \$65.00     | \$260.00     |
| Four Square Cover | 40   | 1.25   | \$50.00    |           | 2          | \$65.00     | \$130.00     |
| Cable             | 2809 | 0.35   | \$983.15   |           | 28.09      | \$65.00     | \$1,825.85   |
| Beam Clamps       | 40   | 2.1    | \$84.00    |           | 6          | \$65.00     | \$390.00     |
| Wire Nuts         | 160  | 0.2    | \$32.00    |           | 16         | \$65.00     | \$1,040.00   |
| Truck Cost        | 12   | 125    | \$1,500.00 |           | 0          | \$65.00     | \$0.00       |

|                   |      |            |
|-------------------|------|------------|
| Material Cost     |      | \$8,088.63 |
| Sales Tax         | 6.0% | \$485.32   |
| Material Subtotal |      | \$8,573.95 |

|                  |     |             |
|------------------|-----|-------------|
| Labor Cost       |     | \$12,932.40 |
| Labor Burden 26% | 26% | \$3,362.42  |
| Labor Subtotal   |     | \$16,294.82 |

|                     |     |             |
|---------------------|-----|-------------|
| Labor/Mat. Subtotal |     | \$24,868.77 |
| Overhead/Profit     | 15% | \$3,730.32  |
| Total Change Cost   |     | \$28,599.09 |



140 college St.  
Crofton, KY 42217  
PH(270) 424-8242

CCHS  
Alliance Corporation  
RE: PR-004  
Deduct

11/27/2023

Discription: PR-004 DEDUCT Remove Disconnects and stainless hardware on 20 RTU.

| Item Discription: | Qty: | Unit:  | Total:   | Unit Hrs: | Total Hrs: | Labor Unit: | Total Labor: |
|-------------------|------|--------|----------|-----------|------------|-------------|--------------|
| Stainless Strut   | 120  | \$8.30 | \$996.00 | 0.04      | 4.8        | \$65.00     | \$312.00     |
| Stainless screw   | 240  | 0.62   | \$148.80 | 0.02      | 4.8        | \$65.00     | \$312.00     |
| Stainless washer  | 240  | 0.21   | \$50.40  | 0.02      | 4.8        | \$65.00     | \$312.00     |
| Disconnects Labor | 20   |        | \$0.00   | 0.4       | 8          | \$65.00     | \$520.00     |
| Truck cost        | 1.4  | 125    | \$175.00 |           | 0          | \$65.00     | \$0.00       |
|                   |      |        | \$0.00   |           | 0          | \$65.00     | \$0.00       |
|                   |      |        | \$0.00   |           | 0          | \$65.00     | \$0.00       |
|                   |      |        | \$0.00   |           | 0          | \$65.00     | \$0.00       |
|                   |      |        | \$0.00   |           | 0          | \$65.00     | \$0.00       |
|                   |      |        | \$0.00   |           | 0          | \$65.00     | \$0.00       |

|                   |      |            |
|-------------------|------|------------|
| Material Cost     |      | \$1,370.20 |
| Sales Tax         | 6.0% | \$82.21    |
| Material Subtotal |      | \$1,452.41 |

|                  |     |            |
|------------------|-----|------------|
| Labor Cost       |     | \$1,456.00 |
| Labor Burden 26% | 26% | \$378.56   |
| Labor Subtotal   |     | \$1,834.56 |

|                     |     |            |
|---------------------|-----|------------|
| Labor/Mat. Subtotal |     | \$3,286.97 |
| Overhead/Profit     | 15% | \$493.05   |
| Total Change Cost   |     | \$3,780.02 |

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## PROPOSAL REQUEST

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|                 |                                                                                  |                        |                   |
|-----------------|----------------------------------------------------------------------------------|------------------------|-------------------|
| <b>Project:</b> | Christian County High School<br>5185 Ft. Campbell Blvd<br>Hopkinsville, KY 42240 | <b>PR No.:</b>         | 005               |
|                 |                                                                                  | <b>Date:</b>           | December 19, 2023 |
| <b>Owner:</b>   | Christian County Public Schools<br>222 Glass Ave<br>Hopkinsville, KY 42240       | <b>Project Number:</b> | 2106-204          |
|                 |                                                                                  | <b>Contract for:</b>   | Electrical        |
| <b>To:</b>      | Tim Geegan<br>Alliance Corporation<br>116 E. College Steet<br>Glasgow, KY 42141  |                        |                   |

**RE:** Add Power Circuit to 2nd Scoreboard in Aux Gym & Modify Large Gym Curtain Circuits

Please submit an itemized quotation for changes in the Contract Sum and/or Time incidental to proposed modifications to the Contract Documents described herein.  
THIS IS NOT A CHANGE ORDER NOR A DIRECTION TO PROCEED WITH THE WORK DESCRIBED HEREIN.

### Description:

- 1) Reference revised drawing E2.1C Rev 3. Provide power circuit to scoreboard on East wall of Auxiliary Gym C101 as indicated on the revised drawing. Use the same branch circuit which feeds the scoreboard on the west wall of the Auxiliary Gym.
- 2) Reference revised drawings E2.2B-Alt Rev 1 & E6.2-Alt Rev 2. Change electrical circuits, disconnect devices and circuit breakers from 30A, 208V single-phase to 30A, 120V single-phase as indicated on the revised drawings.

**Attachments:** Revised Drawings E2.1C Rev 3, E2.2B-Alt Rev 1 & E6.2-Alt Rev 2

**By:** Eric Rang

**CC:**











140 college St.  
Crofton, KY 42217  
PH(270) 424-8242

CCHS  
Alliance Corporation  
RE: PR-005  
Adder

1/10/2024

Discription: PR-005 - ADDER Scoreboard power

| Item Discription: | Qty: | Unit:    | Total:   | Unit Hrs: | Total Hrs: | Labor Unit: | Total Labor: |
|-------------------|------|----------|----------|-----------|------------|-------------|--------------|
| Material          | 1    | \$150.00 | \$150.00 |           | 5          | \$65.00     | \$325.00     |
| Truck cost        | 0.7  | 125      | \$87.50  |           | 0          | \$0.00      | \$0.00       |
|                   | 0    | 0        | \$0.00   |           | 0          | \$0.00      | \$0.00       |
|                   | 0    | 0        | \$0.00   |           | 0          | \$0.00      | \$0.00       |
|                   | 0    | 0        | \$0.00   |           | 0          | \$0.00      | \$0.00       |
|                   | 0    | 0        | \$0.00   |           | 0          | \$0.00      | \$0.00       |
|                   | 0    | 0        | \$0.00   |           | 0          | \$0.00      | \$0.00       |
|                   | 0    | 0        | \$0.00   |           | 0          | \$0.00      | \$0.00       |
|                   | 0    | 0        | \$0.00   |           | 0          | \$0.00      | \$0.00       |
|                   | 0    | 0        | \$0.00   |           | 0          | \$0.00      | \$0.00       |

|                   |      |          |
|-------------------|------|----------|
| Material Cost     |      | \$237.50 |
| Sales Tax         | 6.0% | \$14.25  |
| Material Subtotal |      | \$251.75 |

|                  |     |          |
|------------------|-----|----------|
| Labor Cost       |     | \$325.00 |
| Labor Burden 26% | 26% | \$84.50  |
| Labor Subtotal   |     | \$409.50 |

|                     |     |          |
|---------------------|-----|----------|
| Labor/Mat. Subtotal |     | \$661.25 |
| Overhead/Profit     | 15% | \$99.19  |
| Total Change Cost   |     | \$760.44 |

## PROPOSAL REQUEST

|                 |                                                                                  |                        |                   |
|-----------------|----------------------------------------------------------------------------------|------------------------|-------------------|
| <b>Project:</b> | Christian County High School<br>5185 Ft. Campbell Blvd<br>Hopkinsville, KY 42240 | <b>PR No.:</b>         | 008               |
|                 |                                                                                  | <b>Date:</b>           | December 23, 2023 |
| <b>Owner:</b>   | Christian County Public Schools<br>222 Glass Ave<br>Hopkinsville, KY 42240       | <b>Project Number:</b> | 2106-204          |
|                 |                                                                                  | <b>Contract for:</b>   |                   |
| <b>To:</b>      | Tim Geegan<br>Alliance Corporation<br>116 E. College Steet<br>Glasgow, KY 42141  |                        |                   |

**RE: SUPPLY SIDE BONDING JUMPER MODIFICATIONS**

Please submit an itemized quotation for changes in the Contract Sum and/or Time incidental to proposed modifications to the Contract Documents described herein.  
THIS IS NOT A CHANGE ORDER NOR A DIRECTION TO PROCEED WITH THE WORK DESCRIBED HEREIN.

### Description:

- 1) Reference Revised Drawing E5.2 Rev 3.
  - a. Change supply side bonding jumper for Panelboard "EL12H" from #4 to #2 as indicated on the revised drawing.
- 2) Reference Revised Drawing E5.3 Rev 2.
  - a. Change supply side bonding jumper for Distribution Panelboard "LD11A" from #1 to #1/0 as indicated on the revised drawing.
  - b. Change supply side bonding jumper for Distribution Panelboard "LD11B" from #1 to #1/0 as indicated on the revised drawing.
  - c. Delete requirement for the 1#1(IG) conductor from transformer "X11B" to Distribution Panelboard "LD11B" as indicated on the revised drawing.
  - d. Delete the requirement for Distribution Panelboard "LD11B" to be provided with an isolated ground bus bar as indicated on the revised drawing.
  - e. Delete note 15 pointing to the equipment ground and isolated ground buses within Distribution Panelboard "LD11B" as indicated on the revised drawing.
  - f. Change note 15 to read as follows: Both the equipment ground and isolated ground conductors shall be bonded to the equipment ground bus within the distribution panelboard "LD11B" as indicated on the revised drawing.

- g. Add Note 15 pointing to the feeder for panelboard "L14B" as indicated on the revised drawing.
- 3) Reference Revised Drawing E5.4 Rev 2.
  - a. Change supply side bonding jumper for Distribution Panelboard "LD11C" from #1/0 to #2/0 as indicated on the revised drawing.
  - b. Change supply side bonding jumper for Distribution Panelboard "LD11D" from #1/0 to #4/0 as indicated on the revised drawing.
- 4) Reference Revised Drawing E5.5 Rev 2.
  - a. Change supply side bonding jumper for Distribution Switchboard "LSB11E" from #1/0 to #2/0 as indicated on the revised drawing.
- 5) Reference Revised Drawing E5.6 Rev 2.
  - a. Change supply side bonding jumper for Distribution Switchboard "LSB11G" from #4/0 to #400MCM as indicated on the revised drawing.
  - b. Change supply side bonding jumper for Distribution Switchboard "LSB11H" from #3/0 to #250MCM as indicated on the revised drawing.
- 6) Reference Revised Drawing E5.7 Rev 2.
  - a. Change supply side bonding jumper for Distribution Switchboard "LSB11J" from #1/0 to #2/0 as indicated on the revised drawing.
  - b. Change supply side bonding jumper for Distribution Panelboard "LD11K" from #4 to #2 as indicated on the revised drawing.

**Attachments:** Revised Drawings E5.2 Rev 3, E5.3 Rev 2, E5.4 Rev 2, E5.5 Rev 2, E5.6 Rev 2, E5.7 Rev 2

**By:** Eric Rang

**CC:**





1415 Campbell Street  
Hopkinsville, KY 40491  
Telephone: 252-891-0800



800 Patton Ave  
Hopkinsville, KY 40491  
Telephone: 252-891-0800



K&S Engineering, PLLC  
1415 Campbell Street  
Hopkinsville, KY 40491  
Telephone: 252-891-0800



WBW Engineering, Inc.  
2000 Center Street  
Hopkinsville, KY 40491  
Telephone: 252-891-0800



GST Building and Equipment Co.  
1900 Center Street  
Hopkinsville, KY 40491  
Telephone: 252-891-0800



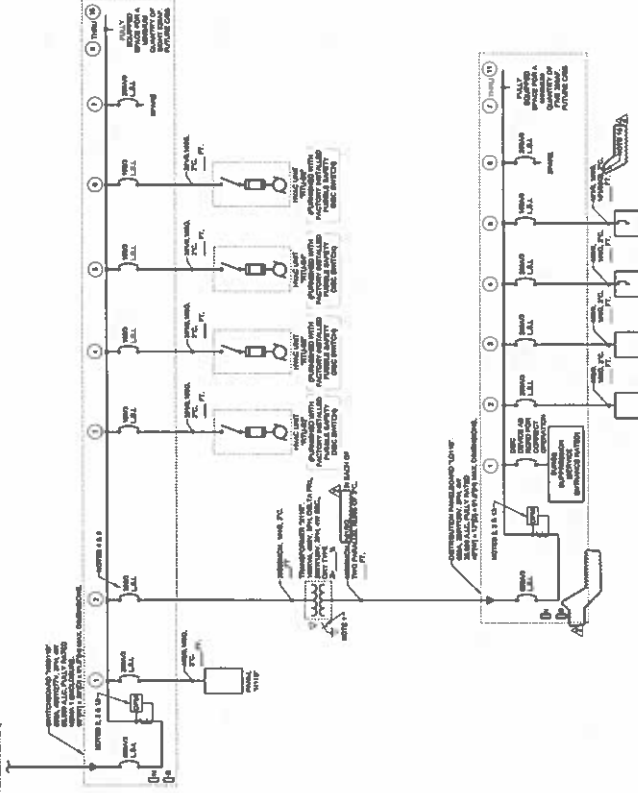
| Revisions | By       | Date       | Description    |
|-----------|----------|------------|----------------|
| 1         | DA Smith | 05/15/2014 | Initial Design |
| 2         | DA Smith | 05/15/2014 | Final Design   |

| Revisions | By       | Date       | Description    |
|-----------|----------|------------|----------------|
| 1         | DA Smith | 05/15/2014 | Initial Design |
| 2         | DA Smith | 05/15/2014 | Final Design   |

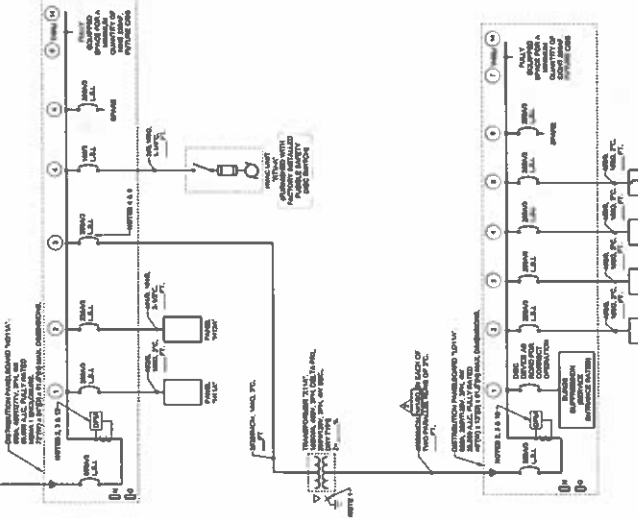
ONE-LINE DIAGRAMS - BLDG  
AREAS 'A' & 'B' - NORMAL  
POWER

Project No. 2102-2014  
Date May, 2014

- NOTES:**
1. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70B RECOMMENDATIONS FOR THE MAINTENANCE OF ELECTRICAL EQUIPMENT.
  2. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70B RECOMMENDATIONS FOR THE MAINTENANCE OF ELECTRICAL EQUIPMENT.
  3. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70B RECOMMENDATIONS FOR THE MAINTENANCE OF ELECTRICAL EQUIPMENT.
  4. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70B RECOMMENDATIONS FOR THE MAINTENANCE OF ELECTRICAL EQUIPMENT.
  5. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70B RECOMMENDATIONS FOR THE MAINTENANCE OF ELECTRICAL EQUIPMENT.
  6. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70B RECOMMENDATIONS FOR THE MAINTENANCE OF ELECTRICAL EQUIPMENT.
  7. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70B RECOMMENDATIONS FOR THE MAINTENANCE OF ELECTRICAL EQUIPMENT.
  8. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70B RECOMMENDATIONS FOR THE MAINTENANCE OF ELECTRICAL EQUIPMENT.
  9. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70B RECOMMENDATIONS FOR THE MAINTENANCE OF ELECTRICAL EQUIPMENT.
  10. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70B RECOMMENDATIONS FOR THE MAINTENANCE OF ELECTRICAL EQUIPMENT.
  11. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70B RECOMMENDATIONS FOR THE MAINTENANCE OF ELECTRICAL EQUIPMENT.
  12. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70B RECOMMENDATIONS FOR THE MAINTENANCE OF ELECTRICAL EQUIPMENT.
  13. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70B RECOMMENDATIONS FOR THE MAINTENANCE OF ELECTRICAL EQUIPMENT.
  14. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70B RECOMMENDATIONS FOR THE MAINTENANCE OF ELECTRICAL EQUIPMENT.
  15. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70B RECOMMENDATIONS FOR THE MAINTENANCE OF ELECTRICAL EQUIPMENT.
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ONE-LINE DIAGRAM - BLDG AREA "A" - NORMAL POWER  
NOT SCALE



ONE-LINE DIAGRAM - BLDG AREA "B" - NORMAL POWER  
NOT SCALE











KDE # BQ 22-104

5149 FT. CAMPBELL BLVD  
HOPKINSVILLE, KY 40490

**HAFER**  
Electrical Contractors, Inc.

114 E. College Street  
Hopkinsville, KY 40491  
Telephone: 773-6140



**K-S Engineering, PLLC**  
1240 S. Main Street  
Clarksville, TN 37040  
Telephone: 866-441-4444

**WBW**  
2000 S. Main Street  
Clarksville, TN 37040  
Telephone: 773-6140



**GT**  
2000 S. Main Street  
Clarksville, TN 37040  
Telephone: 773-6140



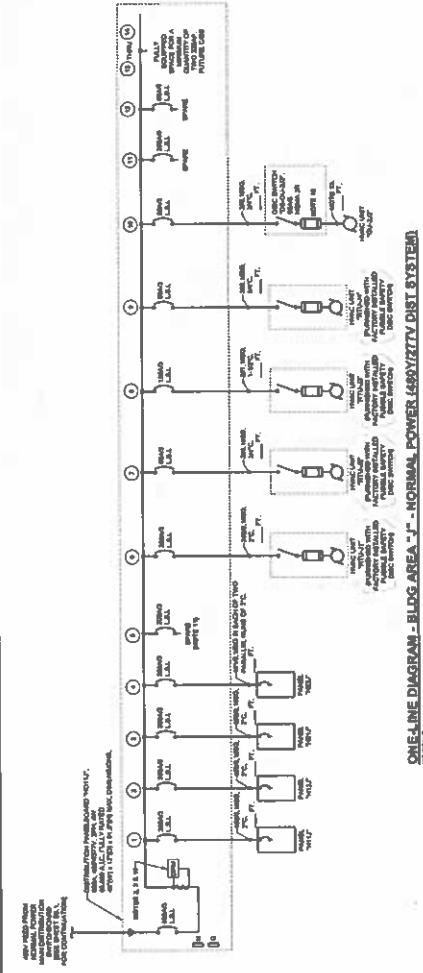
| Revisions | By               | Date       | Revised By | Date |
|-----------|------------------|------------|------------|------|
| 1         | Michael J. Hafer | 05/11/2024 |            |      |

ONE-LINE DIAGRAMS - BLDG AREAS 'J' & 'K' - NORMAL POWER

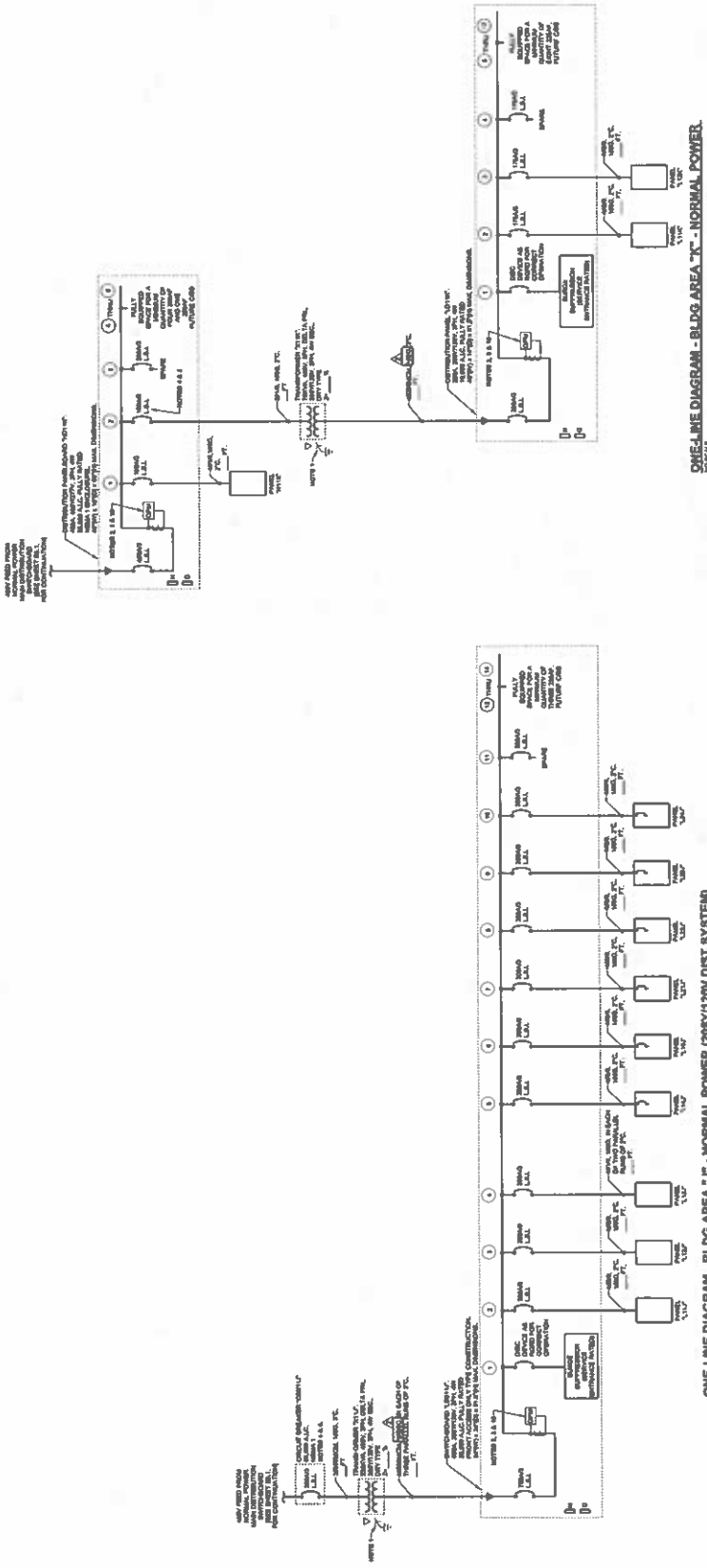
2108-204  
May, 20

**E5.7**

- NOTES:**
1. ALL WIRING SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70B.
  2. ALL WIRING SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70B.
  3. ALL WIRING SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70B.
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  10. ALL WIRING SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70B.
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  20. ALL WIRING SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70B.



ONE-LINE DIAGRAM - BLDG AREA 'J' - NORMAL POWER (480Y/277V DIST SYSTEM)



ONE-LINE DIAGRAM - BLDG AREA 'K' - NORMAL POWER (480Y/277V DIST SYSTEM)



140 college St.  
Crofton, KY 42217  
PH(270) 424-8242

CCHS  
Alliance Corporation  
RE: PR-008  
Adder

1/11/2023

Discription: PR-008 - Supply side bonding jumper modification.

| Item Discription: | Qty: | Unit:      | Total:     | Unit Hrs: | Total Hrs: | Labor Unit: | Total Labor: |
|-------------------|------|------------|------------|-----------|------------|-------------|--------------|
| Wire              | 1    | \$1,064.16 | \$1,064.16 |           | 0          | \$65.00     | \$0.00       |
|                   | 0    | 0          | \$0.00     |           | 0          | \$0.00      | \$0.00       |
|                   | 0    | 0          | \$0.00     |           | 0          | \$0.00      | \$0.00       |
|                   | 0    | 0          | \$0.00     |           | 0          | \$0.00      | \$0.00       |
|                   | 0    | 0          | \$0.00     |           | 0          | \$0.00      | \$0.00       |
|                   | 0    | 0          | \$0.00     |           | 0          | \$0.00      | \$0.00       |
|                   | 0    | 0          | \$0.00     |           | 0          | \$0.00      | \$0.00       |
|                   | 0    | 0          | \$0.00     |           | 0          | \$0.00      | \$0.00       |
|                   | 0    | 0          | \$0.00     |           | 0          | \$0.00      | \$0.00       |
|                   | 0    | 0          | \$0.00     |           | 0          | \$0.00      | \$0.00       |
|                   | 0    | 0          | \$0.00     |           | 0          | \$0.00      | \$0.00       |

|                   |      |            |
|-------------------|------|------------|
| Material Cost     |      | \$1,064.16 |
| Sales Tax         | 6.0% | \$63.85    |
| Material Subtotal |      | \$1,128.01 |

|                  |     |        |
|------------------|-----|--------|
| Labor Cost       |     | \$0.00 |
| Labor Burden 26% | 26% | \$0.00 |
| Labor Subtotal   |     | \$0.00 |

|                     |     |            |
|---------------------|-----|------------|
| Labor/Mat. Subtotal |     | \$1,128.01 |
| Overhead/Profit     | 15% | \$169.20   |
| Total Change Cost   |     | \$1,297.21 |

## PROPOSAL REQUEST

|                 |                                                                                  |                        |                  |
|-----------------|----------------------------------------------------------------------------------|------------------------|------------------|
| <b>Project:</b> | Christian County High School<br>5185 Ft. Campbell Blvd<br>Hopkinsville, KY 42240 | <b>PR No.:</b>         | 009              |
|                 |                                                                                  | <b>Date:</b>           | January 16, 2024 |
| <b>Owner:</b>   | Christian County Public Schools<br>222 Glass Ave<br>Hopkinsville, KY 42240       | <b>Project Number:</b> | 2106-204         |
|                 |                                                                                  | <b>Contract for:</b>   |                  |
| <b>To:</b>      | Tim Geegan<br>Alliance Corporation<br>116 E. College Steet<br>Glasgow, KY 42141  |                        |                  |

**RE: TELESCOPING BLEACHERS – ELECTRICAL MODIFICATIONS**

Please submit an itemized quotation for changes in the Contract Sum and/or Time incidental to proposed modifications to the Contract Documents described herein.  
THIS IS NOT A CHANGE ORDER NOR A DIRECTION TO PROCEED WITH THE WORK DESCRIBED HEREIN.

### Description:

- 1) Reference Revised Drawing E2.1B-ALT Rev 3.
  - a. Change the 30A/3 fusible switches for the quantity of three telescoping bleachers to 30A/3 non-fusible switches and change the branch circuit conductor size from #10AWG to #12AWG as indicated on the revised drawing Note B19.
- 2) Reference Revised Drawing E2.1C Rev 4.
  - a. Delete the requirement for the fusible safety disconnect switch “DS-GYM CURTAIN” as indicated on the revised drawing.
  - b. Change the 30A/1 fusible switch for the quantity of one telescoping bleacher to a 30A/3 non-fusible switch and change the branch circuit conductor size from #10AWG to #12AWG as indicated on the revised drawing Note C18.
- 3) Reference Revised Drawing E2.2B-ALT Rev 2.
  - a. Change the 30A/3 fusible switches for the quantity of three telescoping bleachers to 30A/3 non-fusible switches and change the branch circuit conductor size from #10AWG to #12AWG as indicated on the revised drawing Note B1.
- 4) Reference Revised Drawing E6.2-Alt Rev 3.
  - a. Change the quantity of six 30A/3 circuit breakers feeding the bleachers to a quantity of six 20A/3 circuit breakers as indicated on the revised drawing.
- 5) Reference Revised Drawing E6.3 Rev 2.

- a. Change the quantity of three 20A/1 spare circuit breakers (#45, #47 & #49) to a quantity of one 20A/3 circuit breaker feeding the motorized bleacher as indicated on the revised drawing.
- b. Change the description on circuit breaker #1 from "MOTORIZED BLEACHER, RM. C101" to "SPARE" as indicated on the revised drawing.

**Attachments:** Revised Drawings E2.1B-ALT Rev 3, E2.1C Rev 4, E2.2B-ALT Rev 2, E6.2-ALT Rev 3, E6.3 Rev 2

**By:** Eric Rang

**CC:**

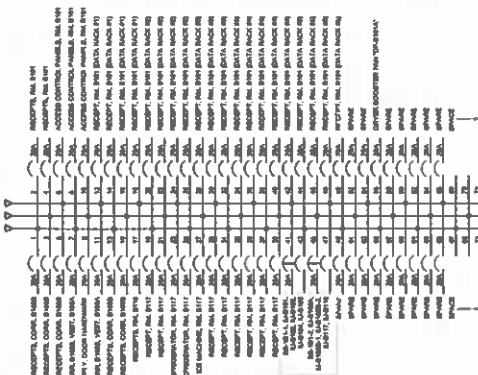




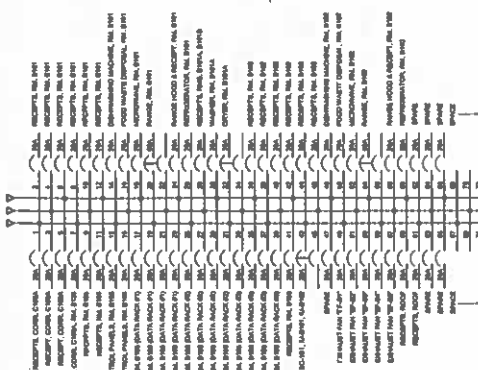




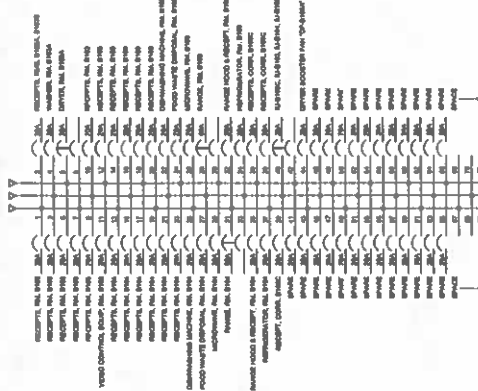




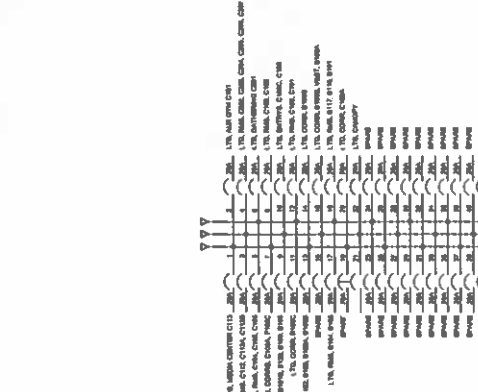
**PANEL "L13C"**



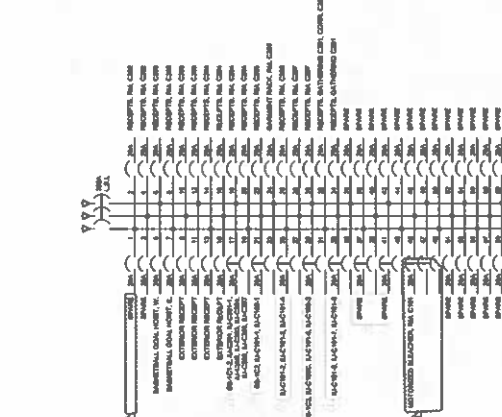
PANEL "1.12C"



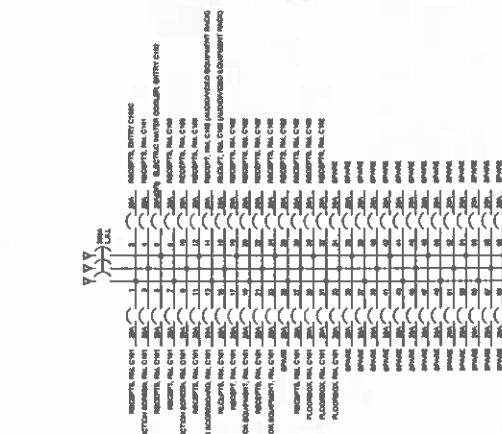
**PANEL "L11C"**



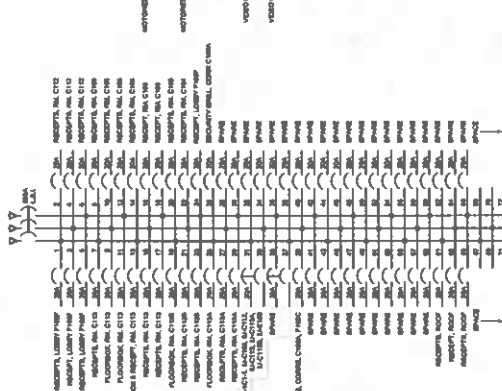
ANAL "H11C"



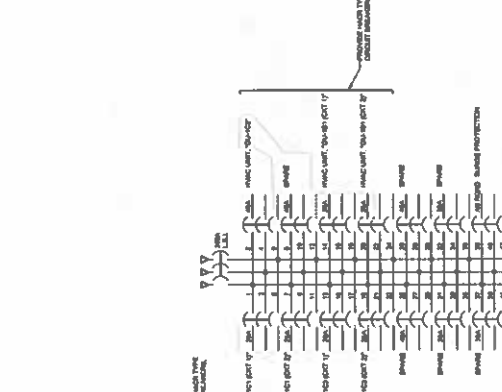
**PANEL "L194"**



**PANEL 715C-**



**PANEL "L14C"**



PANEL "H12C"



140 college St.  
Crofton, KY 42217  
PH(270) 424-8242

CCHS  
Alliance Corporation  
RE: PR-009

2/19/2024

Discription: PR-009 **DEDUCT**

| Item Discription:      | Qty: | Unit:  | Total:   | Unit Hrs: | Total Hrs: | Labor Unit: | Total Labor: |
|------------------------|------|--------|----------|-----------|------------|-------------|--------------|
| DEDUCT #10 to #12 WIRE | 5000 | \$0.07 | \$350.00 |           | 0          | \$65.00     | \$0.00       |
| Remove curtain feed    | 1    | \$385  | \$385.00 |           | 13         | \$65.00     | \$845.00     |
|                        | 0    | 0      | \$0.00   |           | 0          | \$65.00     | \$0.00       |
|                        | 0    | 0      | \$0.00   |           | 0          | \$65.00     | \$0.00       |
|                        | 0    | 0      | \$0.00   |           | 0          | \$65.00     | \$0.00       |
|                        | 0    | 0      | \$0.00   |           | 0          | \$65.00     | \$0.00       |
|                        | 0    | 0      | \$0.00   |           | 0          | \$65.00     | \$0.00       |
|                        | 0    | 0      | \$0.00   |           | 0          | \$65.00     | \$0.00       |
|                        | 0    | 0      | \$0.00   |           | 0          | \$65.00     | \$0.00       |
|                        | 0    |        | \$0.00   |           | 0          | \$65.00     | \$0.00       |

|                   |      |          |
|-------------------|------|----------|
| Material Cost     |      | \$735.00 |
| Sales Tax         | 6.0% | \$44.10  |
| Material Subtotal |      | \$779.10 |

|                  |     |            |
|------------------|-----|------------|
| Labor Cost       |     | \$845.00   |
| Labor Burden 26% | 26% | \$219.70   |
| Labor Subtotal   |     | \$1,064.70 |

|                     |               |                   |
|---------------------|---------------|-------------------|
| Labor/Mat. Subtotal |               | \$1,843.80        |
| Overhead/Profit     | 15%           | \$276.57          |
| Total Change Cost   | <b>DEDUCT</b> | <b>\$2,120.37</b> |

# FACPAC Contract Change Order Supplemental Information Form (Ref# 59610)

Form Status: Saved

Tier 1 Project: Consolidated High School

BG Number: 22-104

Status: Active

District: Christian County (HB678)

Phase: Project Initiation (View Checklist)

Contract: State Electric Co Inc. , 0260, Electrical

Type: CM Bid Package

Proposed

|                             |           |
|-----------------------------|-----------|
| Change Order Number         | 3         |
| Time Extension Required     | No        |
| Date Of Change Order        | 3/13/2024 |
| 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      | \$6,320,436.60 |
| Net Approved COs             | \$376,260.91   |
| Remaining After Approved COs | \$5,944,175.69 |
| Net All COs                  | \$400,684.17   |
| Remaining After All COs      | \$5,919,752.43 |

This Requested Change Order Amount \$24,756.35

+/-

Change In A/E Fee This Change Order

+/-

Change In CM Fee This Change Order \$0.00

+/-

Remaining Construction Contingency \$5,919,752.43

Balance

Contract Change Requested By Architect/Engineer

Contract Change Reason Code Expansion of Scope

Change Order Description And Justification

Delete disconnect switches for RTUs and add power to elevator emergency power indicator lights. Add electrical to 2nd scoreboard in aux. gym. Supply side bonding jumper modifications. Electrical modifications per telescoping bleacher submittal review.

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                        | \$13,805.06        | 55.76%           |
| Materials                    | \$7,722.20         | 31.19%           |
| Profit and Overhead          | \$3,229.09         | 13.04%           |
| Bond Insurance               |                    | 0.00%            |
| <b>Cost Breakdown Total:</b> | <b>\$24,756.35</b> |                  |

Cost for this Change Order supported No  
by an alternate bid or competitive price  
quote

Explain Why

Executed contract with contractor.

**Change Order Supplemental Information Form Signature  
Page (Online Form Ref# 59610)**

\_\_\_\_\_  
Architect

\_\_\_\_\_  
Date

\_\_\_\_\_  
Construction Manager

\_\_\_\_\_  
Date

\_\_\_\_\_  
Finance Officer

\_\_\_\_\_  
Date

\_\_\_\_\_  
Local Board of Education Designee

\_\_\_\_\_  
Date