Addendum No. 2

Date: March 18, 2021
Project Name: Clark Magnet HS CTE Building
Bid No: 208-20/21
NAC No. 161-19034

This Addendum is hereby made a part of the Contract Documents to the same extent as though it were originally included therein. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

GENERAL INFORMATION:

Receipt of Bids: Sealed bids must be received at the District Office, 223 N. Jackson Street, Glendale, CA 91206 no later than 2:00 pm on March 23, 2021. Bids can be mailed to the attention of the Procurement Department, or dropped off with the receptionist at the District Office. Please make sure bids are received on or before the due date and time. Any bid received at the District Office after the due date and time will be non-responsive and returned to the bidder.

Bid Opening: The actual bid opening will be held in the Board Room and made public through Zoom meetings – Topic: Bid Opening – Bid No. 208-20/21; Date/Time: March 23,2021 @ 2:30 P.M. (PT)

Join Zoom Meeting:
https://us02web.zoom.us/j/89446418669?pwd=Q1QyWVlKcVIzcU5FQmRFZWxZU0tCZz09

Meeting ID: 894 4641 8669
Passcode: EGC3dk

Social Distancing: The District maintains social distancing practices for all staff and visitors. When coming to the district office, please keep a distance of six (6) feet between you and others, and wear protective masks & gloves.

NARRATIVE:

ARCHITECTURAL

A3.02

- Keynote Legend: Keynote added for motorized roller shade with room darkening shadecloth.
- Motorized roller shades are now keynoted at skylights.
- Roller shades above south entry storefront have been updated to manual operating roller shade.

A3.10

- Window Notes: U-Value and SHGC value has been updated.
- Roof Finish Schedule: Floor finish has been updated from SLR to POL (Polished Concrete).
- Abbreviations: POL – Polished Concrete has been added to the list of abbreviations.

A7.02

- Keynote Legend: Motorized roller shade keynote has been updated to specify visually transparent single-fabric shadecloth.

- Keynote Legend: Keynote has been added for manual roller shades with visually transparent single-fabric shadecloth.
- 4/A7.02: Keynote has been added to indicate motorized roller shade at clerestory windows.
- 2/A7.02: Manual roller shades have been added to south façade entry storefront. Roller shades have been keynoted.

SPECIFICATIONS

08 71 00 Door Hardware

- Spec section has been updated.

08 80 00 Glazing

- 2.02.B: No longer used.
- 2.02.F(c): Cardinal 366 or approved equal is acceptable in inner light of laminated glass assembly.

ATTACHMENTS:

- Attachment 1 – Drawings
- Attachment 2 - Section 08 80 00 – Glazing
- Attachment 3 - Section 08 71 00 – Door Hardware

END OF ADDENDUM #2 NARRATIVE OF CHANGES

ADDENDUM #2 - RFI LOG

RFI	DESCRIPTION	RESPONSE
1	Spec Section 275113, 1.2 C. makes mention that all new equipment shall be compatible with the existing systems installed on the school campus. Please provide the existing equipment manufacturer for this campus. Thank you.	Bogen Quantum system
2	TN1.00, Note 2 calls for a conveyance route to be underground between buildings. This will require the use of wet rated UTP. Please confirm which cable you would like us to use to ensure we're meeting your objectives and we're in compliance with industry standards. Spec Section 27 10 00 doesn't provide information.	Yes, please provide wet rated cabling in underslab and outdoor locations. BerkTek LANmark-6 OSP or approved equal from other manufacturers listed in specifications.
3.1	Is it a Glass Garage Door, and if so does it require "Energy Code Compliance" for either: Air Infiltration, IECC Standards, or "U-Factor" min. requirements; with NFRC certification? Example: California - Title 24, or a specific State Energy Code?	Not a glass door.
3.2	If YES to #1, please verify if "Air Infiltration Resistance" is also required to meet either of the following: NFRC 400, ASTM E283, or DASMA 105 Certification	N/A
3.3	Does this project required "Water Infiltration Resistance" certifications to meet: ASTM E331 or ASTM E547?	No.
3.4	Are the doors to be manuallly or electronically operated? If yes on electric operation, do they want a key switch on each door, to avoid someone from operating them on accident?	Electrically operated, provide key switch.
3.5	Verify the frame color on the doors (Interior and Exterior; if different) Clear Anondized, Powder coated, or Kynar	Kynar, color to be selected by Architect to match adjacent CMU walls.
3.6	Verify the Glass Color & Type: Low-E, Clear SB-60, 70, 90, Tinted, obscured, or transparent?	No glass on roll up door.
3.7	Verify the track typ [For ea. Door #, which can differ]: Standard, Low Headroom, High Lift, Roof Pitch, or Full Vertical?	Roll up door, not a garage door.
4.1	Spec Section 275113, 1.2 C. makes mention that all new equipment shall be compatible with the existing systems installed on the school campus. Please provide the existing equipment manufacturer for this campus.	Bogen Quantum system.
4.2	TN1.00, Note 2 calls for a conveyance route to be underground between buildings. This will require the use of wet rated UTP. Please confirm which cable you would like us to use to ensure we're meeting your objectives and we're in compliance with industry	Yes, please provide wet rated cabling in underslab and outdoor locations. BerkTek LANmark-6 OSP or approved equal from other manufacturers listed in specifications.
5	A3.01 at gridline D- Wall is fire rated but windows and door at this location is not called for fire rated. Please confirm storefront "S4" and "S1" are required to be fire rated systems.	Not required to be fire rated.
6	Hazardous Materials: Section 02 41 19- 1.7 D & E: States both that it is not expected that hazardous materials will be encountered in the Work (in D), and that hazardous materials are present in buildings and structures to be selectively demolished (in E). Please provide Hazardous Materials Survey and Report pertaining to this project.	GUSD is in the process of having the garage building tested for hazardous materials. If hazardous materials are identified, GUSD will have the materials removed by the testing agency prior to the start of construction.
7	EFCO Corporation respectfully, requests approval to provide storefront on the subject project utilizing the proposed 406 Series thermally broken, storefront system. The proposed EFCO storefront system is comparable to the specified Arcadia system specified.	The storefront substitution u-value does not meet what is required per energy standards compliance. With this data, the current proposed substitution does not comply. Further consideration can be revisited when bid is awarded.

8	Specification Section 08 80 00, Paragraph 2.02.F - Insulated Glass Make-up specified (cardinal 366 Low-e laminated/ clear monolithic) results in the following performance values: U-Value - .24, SHGC = .27. Window Note #1 on Sheet A3.10 requires the following glazing performance values: U-Value = .30 and SHGC = .23. Please clarify which performance values are required for insulated glass units.	The performance values for exterior glazing units should comply with the minimum performance values stated in the Energy Standards Compliance (T-24) Sheet M7.00, equal or better. Sheet A3.10 has been updated to reflect these values.
9	Specification Section 08 80 00, Paragraph 2.02.F - Insulated Glass Make-up specifies that the outboard lite be laminated with low-e coating on the #4 Surface and a monolithic inboard lite. This glass make-up is unusual in this area. Usually a monolithic outboard lite with low-e coating and a laminated inboard lite will yield a slightly higher visible light transmittance while maintaining the same thermal performance values. Please clarify if the specified glass make-up (laminated outboard lite w/ low-e coating + monolithic inboard lite) is required as written or if a modified version of this specification (monolithic outboard lite w/e low-e coating and a laminated inboard lite) is acceptable.	Either glass make-up is acceptable.
10	There are few Sheets were mentioned in the Addnemdum#1 narrative but, weren't part of the "Addendum-1_Attachment 2 CombinedDrawings". Would you please confirm all the sheets were provided as part of the Addendum#1.	"A4.01-A4.01" in the narrative should be corrected to "A4.06-A4.07". All other sheets listed in narrative are provided in drawings as part of Addendum #1.
11	Are there any union labor requirements, beyond prevailing wage (PLA, PSA, CWA, etc.) on this project?	There are no PLA or other union requirements for this project.
12	Please confirm/clarify the work hours for this Project. there are several different times indicated in the Spec SECTION 01 10 00 .	Contractors are to follow the noise ordinance of the school site address. LA County Noise Ordinance is M-F 7:00AM - 9:00PM and 8:00AM - 6:PM on Saturdays and holidays.
13	Can you provide panel schedules for 6HD and DP2? (See sheet E6.00) In order for the vendor to quote the right switchgear, we need to know if this is indoor? nema 3R? how many spaces? Is the single line asking for distribution boards, floor mounting or wall mounting? Please provide aic rating for L1, P2 and P3. It looks like none of the panels have complete info... Also, regarding the EPO listed next to DP2 panel. Please provide voltage for the shunt trip. The vendors will not be quoting the enclosure and switch. I would assume you could use a 4s box and switch? EPO is for Emergency Power Off, that 600A breaker needs to have a shunt trip and then the EPO will be some way to activate the shunt trip, maybe an e-stop button or something but I would assume the EPO itself is not part of the Square D scope. Sqd panels will meet Note #7 requirements. We can always add CTs later to any panel, on NQ and NF panels it would via branch circuit monitor (https://www.se.com/us/en/product-range/2085-powerlogic-bcpm/)	6HD and DP2 shall be NEMA 3R, floor mounted distribution boards. Basis of design for equipment are based on Eaton manufacturer for concrete pad sizing coordination with structural. Panel boards shall be fully rated with AIC rating no less than available fault plus 10% per fault current analysis provided on Sheet E6.01. AIC ratings for panel L1, P2, and P3 shall be 22kAIC. Provide 15A, 1P breaker from DP2 for power toEPO. Upon activation of EPO button, breaker feeding Panel P3 shall be tripped open. See shunt trip connection diagram and Eaton's preassembled push buttons attached for reference. No exceptions taken to approach for future CT's in compliance with Title 24 requirement. Similar product available from Eaton (Power Xpert Branch Circuit Monitor)

14	Specification 08 63 23 Metal Framed Skylights calls for Wasco Skymax, Model GSM 5296 which is vinyl skylight system. Please advise if we can provide an equivalent aluminum skylight. Model GSM 5296 is more for a residential application. Specification 08 80 00 Glass calls for Cardinal 633 glass. Cardinal is a residential glass and will not be able to provide the sizes as shown on architectural. Please advise if we can provide an equivalent? Vitro, Viracon or Guardian glass.	Confirmed with manufacturer, the model specified is an aluminum system and can be used for commercial application. Yes, provide Vitro equivalent.
15	Verify if a Pre Action and Dry system will actually be required for this new building in So Cal where temperatures do not normally get below freezing?	The pre-action system is required because of the equipment within the building and the dry system will be utilized for the equipment pad where electrical panels are located.
16	Can the construction superintendent act as the safety supervisor per section 014500?	Yes.
17	Finish schedule per sheet A3.10 has all of the floor finish to be SLR (sealer). Please confirm all flooring to be polished concrete finish. If sealer to be provided please provide speficifications	All interior flooring to be polished concrete medium gloss. See revised finish schedule on A3.10.
18	Detail 6/A7.01, 3/A7.02, 4/A7.02 shows note 09-013 Viny Graphics. Is the graphic to be the full height of the wall?	Yes, vinyl graphic will cover the full height of shop floor walls indicated on interior elevations.
19	Please confirm no painting is required at interior and exterior CMU walls.	Interior and exterior CMU walls will not be painted. The coloration shown on exterior elevations distinguish between burnished charcoal block (dark gray) and precision cut.
20	Per spec section 122413 section item 2.6 Roller Shade Schedule. It is WT-1 and WT-2 manual shades. Where are these located?	Per window note #5 on sheet A3.10, motorized roller shades are noted on the reflected ceiling plan (A3.02) at clerestory windows on north façade. Motorized to used on skylights and clerestory. Room darkening Shadecloth at skylights. Visually transparent single-fabric shadecloth at all exterior glazing.
21.1	Concrete Floor Finishing:Designation for floor finishes is “SLR” SEALER in the finish schedule. Confirm Section 03 35 00 applies to this designation.	All interior flooring to be polished concrete medium gloss. See revised finish schedule on A3.10.
21.2	Section 07 81 23 Intumescent Fireproofing a) Confirm all interior exposed and semi exposed structural steel is to receive the intumescent fireproofing to provide the 1-hour fire resistance rating on steel beams. Reference 07 81 23-1.04 and 07 81 23-1.09.D. Confirm any references to the intumescent fireproofing on drawings. Not noted as a related section in 05 12 00, 05 50 00, or 09 96 00. Confirm additional finishing with High Performance Coating is required.	Intumescent fireproofing only to be used at 1 HR rated assembly per A3.00 - 1 HR Rated Assembly Detail, not at all exposed and semi exposed structural steel. See G1.03 and A3.01 for locations of 1 HR walls.
21.3	Section 09 723 16 Tackable Wall Surfacing Provide scope for this section. Finish Schedule shows VWC on two walls in room 7302, but room elevations do not show.	Interior elevations on sheet A7.02 include keynotes indicating locations for vinyl graphics. Tackable wall surfacing spec section not used.

21.4	Mechanical screen: RFI No. 01: 7/A5.02 calls for corner trim and closure J-channel to be out of .040 thick prefinished aluminum. On Note 4, it calls for the wall panel to be 26 gauge galvanized corrugated but in Spec. Section 074213, Metal Wall Panels, page 5 section 2.3.A it calls for a Y-36 panel that it is made out of .040 thick aluminum. Please confirm desired material. RFI No. 02: Which panel type are we to use in our bid? Also, plans show two horizontal supports; Spec Section 074213 call for three supports. Which amount is correct?	1. To follow spec material indicated, .040 Thickness. 2. Aluminum Y-36. Follow drawings for horizontal supports
21.5	Existing Equipment being relocated by Contractor and O.F.C.I items Refer to Key Note Legend and Floor Plan A3.01 For equipment items that Contractor is responsible to relocate and anchor, and equipment that District is providing new or O.F.C.I, please clarify responsibilities. a) What does the District have planned for any re-calibration, set up, commissioning for operation and use of this existing equipment? b) For new equipment noted as O.F.C.I. please confirm that the vendor is responsible for any actions needed to place the equipment in service after the Contractor installs it.	a) GUSD will provide assistance with a HAAS representative for the setup and calibration of all HAAS equipment. b) GUSD and or its representative will assist the Contractor to ensure that equipment is operating properly.

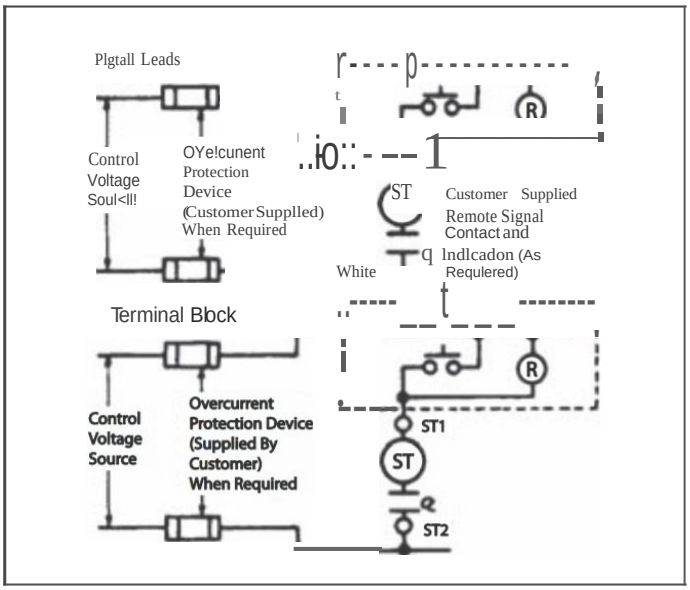

Fig. 2-8. Shunt Trip Connection Diagram.

Pre-assembled enclosed emergency stop pushbutton control stations

Enclosed emergency stops provide a ready-made solution for dozens of existing applications. Simply wire and mount the application-specific, labeled enclosure for reliable emergency control.

Applications

Enclosed emergency stops are perfect for equipment that requires remote or local emergency shut-off control. The addition of application-specific labels to standard emergency-stop enclosures allows the end user to experience a noticeable improvement in cost, installation labor and appearance.

The end user of an enclosed emergency stop is usually required to label the function of the operator, for example, FUEL SHUT-OFF, ELECTRICAL SHUT-OFF or FAN SHUT-OFF. With e-stops currently on the market, this labeling has historically been completed by the end user, in addition to the product and installation labor costs they already incur. With these pre-assembled, pre-labeled e-stops, the end user can purchase the product that corresponds to the exact application they will be using it for, leaving only the wiring and mounting for installation.

Features

The variety of operators and label types offers a long list of possible functions:

- Fuel shut-off
- HVAC shut-down
- Electrical disconnect
- Boiler shut-down
- Refrigeration stop
- Power off
- Generator stop
- Gas shut-off
- Ventilation shut-down
- Chiller stop
- Boiler fuel pump indicating
- Generator fuel flow indicating
- Power control stations switch
- Fuel switch
- Fan switch

These types of enclosures are already in use in applications such as:

- Gas stations and other fuel supplies
- Light commercial
- HVAC systems
- Building control systems
- Liquid pumping
- Construction contractors
- Machinery

Powering Business Worldwide

Key specifications

- 30.5 mm (10250T series) operators
- ASA 61 gray die-cast zinc enclosures
- Industrial grade
- UL® Type 4, 4X, 12, 13
- Single 3/4-inch NPT conduit entrance
- Dimensions—inches (mm)
  - Enclosure: 3.88 W x 4.00 H x 3.00 D (98.6 x 101.6 x 76.3)
  - Operator: 1.63 D (to enclosure) x 1.50 diameter (41.4 x 38.1)

What is included?

The Eaton pre-assembled, enclosed emergency stop pushbutton stations include an operator, an enclosure, contact blocks and a variety of unique labels. Each label has white lettering on a red background indicating the function and red lettering on a white background indicating the operator type.

Available Catalog Numbers

Catalog Number	Operator	Enclosure Color	Label
10250T5B62-S101	Pushbutton	Gray	EMERGENCY STOP
10250T5B62-S102	Pushbutton	Gray	EMERGENCY SHUT-OFF
10250T5B62-S103	Pushbutton	Gray	EMERGENCY GENERATOR STOP
10250T5B62-S104	Pushbutton	Gray	EMERGENCY HVAC SHUT-DOWN
10250T5B62-S105	Pushbutton	Gray	EMERGENCY ELECTRICAL DISCONNECT
10250T5B62-S106	Pushbutton	Gray	EMERGENCY BOILER SHUT-DOWN
10250T5B62-S107	Pushbutton	Gray	EMERGENCY CHILLER STOP
10250T5B62-S108	Pushbutton	Gray	EMERGENCY FUEL SHUT-OFF
10250T5B62-S109	Pushbutton	Gray	EMERGENCY REFRIGERATION STOP
10250T5B62-S110	Pushbutton	Gray	EMERGENCY POWER OFF
10250T5B62-S111	Pushbutton	Gray	EMERGENCY GAS SHUT-OFF
10250T5B62-S112	Pushbutton	Gray	EMERGENCY VENTILATION SHUT-DOWN
10250T5B62-S113	Pushbutton	Gray	GENERATOR

Available Contact Blocks

Catalog Number	Circuit Configuration
10250T51	1NC
10250T53	1NO
10250T1	NO-NC
10250T3	2NC
10250T2	2NO

Eaton Corporation
Electrical Sector
1111 Superior Avenue
Cleveland, OH 44114 USA
Eaton.com

Publication No. PA04702002E / Z13347
February 2013

Powering Business Worldwide