

Cajon Valley Union School District
Bid No. 1614
IT Support Remodel Project

ADDENDUM No. 1

August 14, 2023

**BID OPENING (no change): August 24, 2023, 1:00 p.m. at the office of the
CVUSD Purchasing Department, 225 Roanoke Rd., El Cajon, CA 92020**

The following is issued to supplement or revise the Contract Documents. The revisions to the documents are described below. Unless specifically changed by this addendum, the remainder of the drawings, documents and specifications shall remain in effect as originally issued.

This addendum contains five (5) items and two (2) attachments.

ITEM 1: ADD SHEET E 0.1 TO ELECTRICAL PLANS

ADD Sheet E 0.1, Electrical Cover Sheet (attached) to the Contract Drawings.

ITEM 2: CLARIFICATION, DATA CABLING

The Contractor shall provide and install new CAT 6A (shielded) cable from Communications Outlets to the existing Tele/Data Rack on the Second Floor. The District will connect the cabling.

ITEM 3: REVISION FIRE ALARM & FIRE SPRINKLERS

REFER to SPECIAL NOTE 2, "FIRE ALARM AND FIRE SPRINKLERS," Sheet A-1 of the Drawings, lower left.

REVISE SPECIAL NOTE 2 as follows:

"The existing Sprinkler Monitoring System in this building is a DMP XR100. It is composed of a Pull Station, Annunciator, Waterflow Monitoring Module, a PIV Monitoring Module, a Horn Strobe Notification Device, and a 24 volt Sprinkler Bell.

"Under this Contract, the existing DMP Sprinkler Monitoring System shall be replaced with a new FCI Fire Alarm System, compatible with the existing FCI System in the other buildings on the District Facility Site.

"Under this contract, both the Fire Alarm and the Sprinkler Systems shall be extended and/or modified as required to accommodate the existing Sprinkler Monitoring System, as well as, the New Work. The Sprinkler Bell is existing and is to remain and is to be incorporated into the new Fire Alarm System. The existing phone lines at the Fire Panel location shall be used to establish a new monitoring account.

"This Contract includes the design of such extensions and modifications by C-10 and C-16 licensed California Contractors. The design shall be submitted to and approved by the Heartland Fire and Rescue Department. The Contractor shall record and notify the Project Architect when the Fire Alarm and Fire Sprinkler designs have been submitted to the Heartland Fire and Rescue Department."

ITEM 4: FLEXIBLE CONDENSATE DRAIN SECTION

NOTE: Provide flexible section of Condensate Drain piping, all new condensate drains per attached detail Addendum 1, Item 4, 1/P4.1.

ITEM 5: QUESTIONS FROM BIDDERS

Question 1: I'm reviewing the Electrical plans in search of the print with the data, and I only found information on page E2-0. I wanted to also ask if the solid-colored triangles are for only 1 data outlet each? For the Tv I'm thinking it requires 1 Coax cable, and 1 data cable, as they usually do. I just want to clarify that information with you as well.

Response: Refer to Addendum 1; Item 1.

Question 2: Who is responsible for pulling low cables back to the server & punching down?

Response: Refer to Addendum 1; Item 2.

Question 3: I believe Electrical Contractor shall box & stub for data. Who will be responsible for J-hooks that support cabling?

Response: Contractor is responsible. See Sheet E2.0, Note 10.

Question 4: Are Fire Alarm devices needed in new work area?

Response: Contractor is responsible for the design, approval, and installation of the Fire Alarm and Fire Sprinkler Systems. See Addendum 1, Item 3.

Question 5: Will existing fire sprinklers suffice in lieu of fire alarm devices?

Response: Contractor is responsible for the design, approval, and installation of the Fire Alarm and Fire Sprinkler Systems (Same as above). See Addendum 1, Item 3.

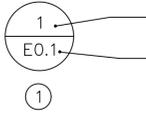
Question 6: Are restrooms, vestibule, and storage light fixtures new? If so, Is there a light fixture schedule?

Response: Yes. The fixture schedule is on Electrical Sheet E 0.1. See Addendum 1, Item 1.

**END OF ADDENDUM 1
(2 pages attached)**

ELECTRICAL LEGEND

GENERAL


 1
E0.1
 DETAIL NUMBER DESIGNINATION
 SHEET DETAIL APPEARS (ILLUSTRATED ON)
 NOTE REFERENCE

POWER

+48" INDICATES MOUNTING HEIGHT ABOVE FINISHED FLOOR
 PH OR Ø PHASE

 JUNCTION OF OUTLET BOX CEILING OR WALL MOUNTED AS INDICATED. LOCATE ABOVE ACCESSIBLE CEILING UON.

 DUPLEX RECEPTACLE, FLUSH MOUNTED, THE CENTER SHALL BE INSTALLED NOT LESS THAN 15" AFF TO BOTTOM UNLESS NOTED OTHERWISE.

 GFI
 DUPLEX RECEPTACLE, FLUSH MOUNTED, THE CENTER SHALL BE INSTALLED NOT LESS THAN 15" AFF TO BOTTOM OUTLET BOX UNLESS NOTED OTHERWISE. (GROUND FAULT INTERRUPTER)

 D
 DUPLEX DEDICATED RECEPTACLE, FLUSH MOUNTED, THE CENTER SHALL BE INSTALLED NOT LESS THAN 15" AFF TO BOTTOM UNLESS NOTED OTHERWISE.

 DUPLEX RECEPTACLE, SURFACE MOUNTED, THE CENTER SHALL BE INSTALLED NOT LESS THAN 15" AFF TO BOTTOM OUTLET BOX UNLESS NOTED OTHERWISE.

 QUADRUPLEX RECEPTACLE, FLUSH MOUNTED, THE CENTER SHALL BE INSTALLED NOT LESS THAN 15" AFF TO BOTTOM OUTLET BOX UNLESS NOTED OTHERWISE.

 QUADRUPLEX RECEPTACLE, SURFACE MOUNTED, THE CENTER SHALL BE INSTALLED NOT LESS THAN 15" AFF TO BOTTOM OUTLET BOX UNLESS NOTED OTHERWISE.

 SURFACE MOUNTED PANELBOARD

 FLUSH MOUNTED PANELBOARD

 POWER TRANSFORMER
 GROUND

 SWITCH AND FUSE DESIGNATION
 3P NUMBER OF POLES
 100AF FUSE SIZE
 100AS SWITCH SIZE

 3P
 225AT NUMBER OF POLES
 225AF AMPS FRAME
 225AF AMPS TRIP

 DISCONNECT SWITCH "F" INDICATES FUSED TYPE.

 MOTOR RATED TOGGLE SWITCH.

 SMOKE DETECTOR.

 CONDUIT DROP

 2 CHANNEL POWER POLE. 1 CHANNEL FOR DATA, 1 CHANNEL FOR POWER.

RACEWAYS


 CONDUIT TERMINATED AND CAPPED

 WIRING OR CONDUIT CONCEALED IN WALL OR CEILING

 WIRING OR CONDUIT EXPOSED

 WIRING OR CONDUIT CONCEALED UNDERGROUND, OR IN FLOORS ABOVE GRADE LEVEL.

 FLEXIBLE CONDUIT

 1ELA-1,3,5
 CONDUIT HOMERUN TO PANEL BOARD. TEXT INDICATES ELECTRICAL PANEL DESIGNATION AND CIRCUIT NUMBERS. MINIMUM CONDUIT SIZE SHALL BE 3/4". UNLESS OTHERWISE NOTED, PROVIDE BRANCH CIRCUIT AND FEEDER HOMERUNS WITH NOT MORE THAN THREE PHASE CONDUCTORS, THREE NEUTRAL CONDUCTORS AND ONE GROUND CONDUCTOR IN A SINGLE RACEWAY. PROVIDE ALL BRANCH CIRCUITS WITH A SEPARATE NEUTRAL CONDUCTOR. MINIMUM CONDUCTOR SIZE #12 AWG.

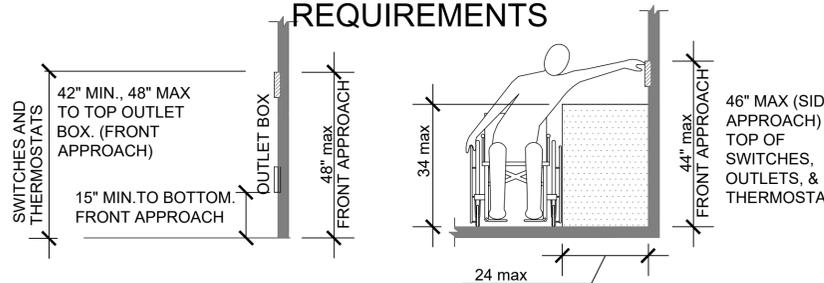
INFORMATION TECHNOLOGY


 #
 FLUSH-MOUNTED COMMUNICATIONS OUTLET LOCATION. PROVIDE 1-GANG MUD RING WITH A 4-11/16" OUTLET BOX. WALL MOUNT AT 15" AFF TO BOTTOM U.N.O. PROVIDE 1" EMT CONDUIT AND PULLSTRING FROM BOX TO CEILING. RUN CONDUCTORS ON CEILING SPACE USING J-HOOKS TO DATA RACK. "#" INDICATES NUMBER OF WIRES/PORTS AT EACH LOCATION (UON).

 #
 FLUSH-MOUNTED TELEPHONE/DATA/TV OUTLET LOCATION. PROVIDE 1-GANG MUD RING WITH A 4-11/16" OUTLET BOX. WALL MOUNT AT 15" AFF TO BOTTOM U.N.O. PROVIDE 1" EMT CONDUIT AND PULLSTRING FROM BOX TO DATA RACK. "#" INDICATES NUMBER OF WIRES/PORTS AT EACH LOCATION (UON).

 #
 SURFACE-MOUNTED COMMUNICATIONS OUTLET LOCATION. PROVIDE 1-GANG MUD RING WITH A 4-11/16" OUTLET BOX. WALL MOUNT AT 15" AFF TO BOTTOM U.N.O. PROVIDE 1" EMT CONDUIT AND PULLSTRING FROM BOX TO CEILING. RUN CONDUCTORS ON CEILING SPACE USING J-HOOKS TO DATA RACK. "#" INDICATES NUMBER OF WIRES/PORTS AT EACH LOCATION (UON).

ADA MOUNTING REQUIREMENTS



42" MIN., 48" MAX TO TOP OUTLET BOX. (FRONT APPROACH)
 15" MIN. TO BOTTOM FRONT APPROACH
 48" max FRONT APPROACH
 46" MAX (SIDE APPROACH) TOP OF SWITCHES, OUTLETS, & THERMOSTATS
 34" max
 24" max

LIGHTING


 ab
 WALL MOUNTED OCCUPANCY DETECTOR. LETTER SUBSCRIPT INDICATES DUAL-LEVEL SWITCHING.

 \$
 RECESSED TOGGLE SWITCH, CENTER OF GRIP OF OUTLET BOX OF SWITCH(ES) SHALL NOT BE MORE THAN 48" AFF UON.

| Sheet List Table | |
|------------------|------------------------|
| Sheet Number | Sheet Title |
| E0.1 | COVER SHEET |
| E1.0 | SITE PLAN |
| E1.1 | DEMOLITION PLAN |
| E2.0 | NEW POWER PLAN |
| E2.1 | ROOF ELECTRICAL PLAN |
| E3.0 | NEW LIGHTING PLAN |
| E3.1 | SINGLE LINE - NEW WORK |
| E4.0 | PANEL SCHEDULES |
| E5.0 | PHOTOMETRICS |
| E6.0 | TITLE 24 |
| E6.1 | TITLE 24 |
| E7.0 | SPECIFICATIONS |
| E7.1 | SPECIFICATIONS |
| E7.2 | SPECIFICATIONS |
| E7.3 | SPECIFICATIONS |
| E7.4 | SPECIFICATIONS |
| E7.5 | SPECIFICATIONS |

ELECTRICAL GENERAL NOTES

- ELECTRICAL INSTALLATION, MATERIALS, AND METHODS SHALL COMPLY WITH ALL APPLICABLE BUILDING CODES INCLUDING THE CURRENT CALIFORNIA ELECTRICAL CODE (CEC).
- UNLESS OTHERWISE NOTED OR SHOWN, THESE DRAWINGS AND SPECIFICATIONS DO NOT INDICATE METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES.
- ALL EQUIPMENT SUCH AS ENCLOSURES, METALLIC CONDUITS, JUNCTION BOXES, FIXTURES, AND ALL OTHER APPARATUS SHALL BE PERMANENTLY AND EFFECTIVELY GROUNDED PER CEC ART. 250.
- ALL EMPTY CONDUITS SHALL BE EQUIPPED WITH PULL ROPES.
- ALL JUNCTION BOXES SHALL BE MOUNTED IN ACCESSIBLE LOCATIONS.
- CONDUITS CROSSING STRUCTURAL SEPARATIONS SHALL BE CONSTRUCTED WITH FLEXIBLE CONNECTION AND ABLE TO ACCOMMODATE THE CALCULATED DIFFERENTIAL MOTION DURING EARTHQUAKES.
- COLOR CODING: CONDUCTORS AND CABLES SHALL BE COLOR CODED BY THE MANUFACTURER FOR THE ENTIRE LENGTH. WRAPPING COLOR TAPES ARE NOT PERMITTED. COLOR CODING SHALL BE AS FOLLOWS:

| 120/208V SYSTEM | |
|-----------------|-------|
| PHASE A: | BLACK |
| PHASE B: | RED |
| PHASE C: | BLUE |
| NEUTRAL: | WHITE |
| GROUND: | GREEN |

 PROVIDE SEPARATE NEUTRAL WIRE FOR EACH BRANCH CIRCUIT. USE COLOR SPIRAL TO MATCH ASSOCIATED PHASE CONDUCTOR ON NEUTRAL WIRES.

ABBREVIATIONS

| | | | |
|-------|---------------------------------|---------|---------------------------------------|
| A | AMPERE | MDF | MAIN DISTRIBUTION FRAME |
| ADA | AMERICAN DISABILITIES ACT | MCA | MINIMUM CIRCUIT AMPS |
| AC | ALTERNATING CURRENT | MCCP | MAXIMUM OVERCURRENT PROTECTION DEVICE |
| AF | AMP FRAME | MTD | MOUNTED |
| AFF | ABOVE FINISHED FLOOR | MPOE | MAIN POINT OF ENTRY |
| AIC | AMPERE INTERRUPTING CAPACITY | NTS | NOT TO SCALE |
| AS | AMP SWITCH | NFPA | NATIONAL FIRE PROTECTION |
| C | CONDUCTOR, CONDUIT | NEC | NATIONAL ELECTRIC CODE |
| CKT | CIRCUIT | PROVIDE | FURNISH, INSTALL, CONNECT, AND TEST |
| CU | COPPER | TYP | TYPICAL |
| (E) | EXISTING TO REMAIN | V | VOLTAGE |
| ELEC | ELECTRICAL | W | WIRE |
| GALV | GALVANIZED | WAP | WIRELESS ACCESS POINT |
| GFI | GROUND FAULT INTERRUPTER | WP | WEATHERPROOF |
| GND,G | GROUND | W/ | WITH |
| HP | HORSEPOWER | XFMR | TRANSFORMER |
| IDF | INTERMEDIATE DISTRIBUTION FRAME | | |
| KVA | KILOVOLT-AMPERE | | |
| KW | KILOWATT | | |
| LED | LIGHT-EMITTING MODE | | |
| LTG | LIGHTING | | |
| LV | LOW VOLTAGE | | |

DEMOLITION


 DEMOLITION NOTE REFERENCE

 X X X
 SYMBOL INDICATES FIXTURE, DEVICE, OUTLET OR EQUIPMENT TO BE REMOVED.

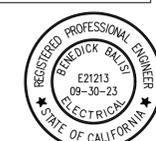
 R
 DASHED SYMBOL WITH "R" INDICATES FIXTURE, DEVICE, OUTLET OR EQUIPMENT TO BE RELOCATED.

 NR NRNR
 SYMBOL WITH "NR" INDICATES NEW LOCATION OR RELOCATED FIXTURE, DEVICE, OUTLET OR EQUIPMENT.

 E E E
 SYMBOL WITH "E" INDICATES EXISTING FIXTURE, DEVICE, OUTLET OR EQUIPMENT TO REMAIN.

LIGHTING FIXTURE SCHEDULE

| TYPE | SYMBOL | WATT | VOLT | LAMP | DESCRIPTION | MANUFACTURER AND CATALOG NUMBER | MOUNTING |
|------|---|------|------|----------------------|--|--|----------|
| | | | | TYPE | | | |
| A |  | 19.5 | 120 | LED 24L LUMENS 3500K | EPANL 1X4 AL01 SWW7 M4 DCMK 14 MOUNT KITS | LITHONIA LIGHTING CPANL 1X4 AL01SWW7M4 | SURFACE |
| | | | | | DIRECT CEILING MOUNT KITS. | | |
| UC |  | 6.7 | 120 | LED 3500K | JUNO UCES LED UNDERCABINET LIGHT | JUNO-UCES LED-12" UCES 12 IN SWW4 90CRI WH M6 | SURFACE |



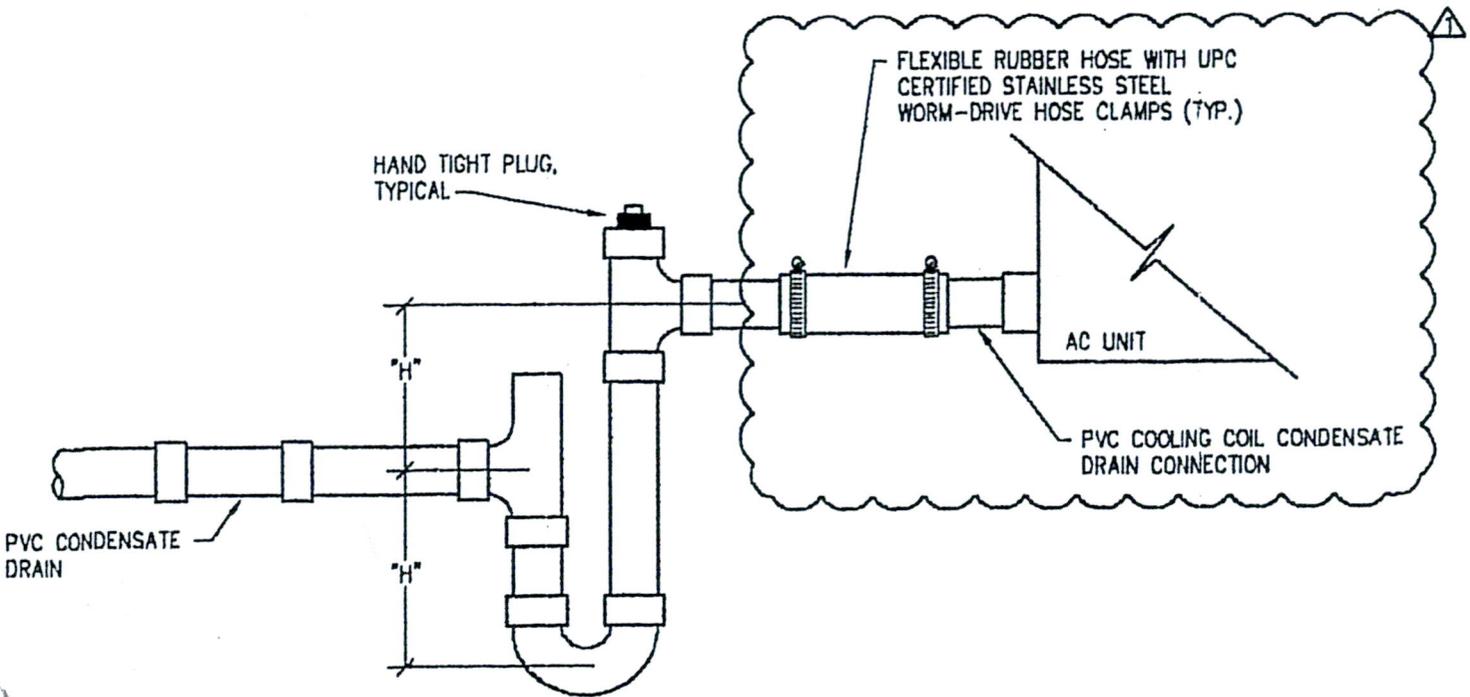
EPI JOB #120-466E



CAJON VALLEY UNION SCHOOL DISTRICT
MAINTENANCE & OPERATIONS DEPARTMENT
 189 ROANOKE ROAD, EL CAJON, CALIFORNIA 92020
 Contact: John A. Forrest, Construction Projects Manager 619/588-3651

IT WORK SHOP CONVERSION PROJECT - 2ND FLOOR
C.V.U.S.D. MAINTENANCE & OPERATIONS
 189 ROANOKE ROAD
 EL CAJON
 CALIFORNIA

SUBMITTAL 03/26/2023
 DRAWING TITLE:
 COVER SHEET
 DRAWING NUMBER:
 E0.1



FOR 5 TON UNITS AND UNDER, $H = 1-1/2"$
 FOR ALL OTHER UNITS, SEE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

CONDENSATE DRAIN (DRAW THROUGH)

SCALE: NONE

1

APPENDUM 1, ITEM 4

8/14/2023