

COMMUNITY COLLEGE OF ALLEGHENY COUNTY
PURCHASING DEPARTMENT
800 ALLEGHENY AVENUE, PITTSBURGH, PA 15233

ADDENDUM 4
BID PROPOSAL NO. 1138
EMERGENCY EGRESS LIGHTING MODIFICATIONS – BOYCE CAMPUS
APRIL 4, 2025

The following additional information is hereby made a part of this bid:

Q1: There are (40) circuits throughout the building called out for use with the emergency lighting, for example EMA-2, EMA-3, EMA-6, and EMA-7 on sheet

EL1.1. Are all of these circuits currently e-only, therefore requiring the installation of a UL1008 Transfer Device?

A1: The circuits are a mixture of E-Only and Normal Emergency (N/E). For coordination - provide a UL1008 (Bodine GTD) transfer devise for each circuit NE and E-Only - except EMA-6 in the shop area as EMA-6 does not require Enlighted CU devices or transfer devices.

Q2: Are there specific Normal Circuits assigned to each emergency circuit that are capable of carrying the additional load associated with the emergency fixtures or will new circuits need to be pulled from the normal breaker panel for each of these (40) new normal/emergency circuits.

A2: There are existing normal circuits feeding the fixtures. The intention is to leave the existing normal circuits in place.

Q3: For all switches that are being removed and circuit is rearranged for continuous power, will the egress circuit be capped off and abandoned in place?

A3: Cap off circuits - tag circuits as "SPARE SWITCH LEG" with identification compatible with specification - put tag and capped circuit into switch box and provide stainless box cover. A 4 x 4 box above ceiling maybe required in some cases.

Q4: Do added downlights, types DL1-DL7 require sensors. Downlighting is only available with integral wireless fixture control, integral sensors are not available with downlights.

A4: Provide standalone sensors.

Q5: Spaces such as the garages and numerous mechanical spaces shown replacing existing fixtures with new wireless fixtures. were the fixtures being demo'd wireless previously? if not, are there wireless gateways near enough to these spaces to provide coverage?

A5: Previous fixtures not wireless.

EC add to Unit Price specification section a Unit Price for Enlighted Gateway and 100' CAT 6.

Q6: Is there a drawing indicating the location of existing wireless gateways throughout the building to determine coverage for areas getting fixtures for the first time or getting additional wireless fixtures.

A6: The existing software application (operational today) shows locations of gateways - this information will be made available to successful bidder.

EL.1.1

Space Specific Items (This Sheet)

Q146: Garage N146 Will existing line voltage switch be demo'd or replaced with wireless switch. If no wireless switch, fixtures are to be programmed as Auto-On/Auto-Off?

Does this meet code for the space?

A146: Remove line Voltage switch - provide new wireless switch

N119 Will existing line voltage switch be demo'd and replaced with wireless switch.

If no wireless switch, fixtures are to be programmed as Auto-On/AutoOff?

Does this meet code?

A119: Remove line Voltage switch - provide new wireless switch.

Nursing Lab B N137 Will new DL1 fixture be programmed to operate along with the 2x4's existing in the room?

A137 - YES

Bathroom N132 Replace with Wireless switch or program for Auto-ON/Auto-OFF based on sensors?

A132: Remove line Voltage switch - provide new wireless switch.

Room South of N107 Replace with Wireless switch or program for Auto-ON/Auto-OFF based on sensors?

A107: Remove line Voltage switch - provide new wireless switch.

Room Between N106 and N107 The two switches indicating programming required will need to be programmed to the identified spaces. Please identify spaces.

A106 - 107: This is a control booth for a simulated private bath with two-way mirror- coordinate with user group in field.

Garage N145 Will the switch be replace with a wireless switch. Room will require programming.

A145: Remove line Voltage switch - provide new wireless switch.

EL.1.2

Space Specific Items (This Sheet)

Mechanical N255 & N275

Will a wireless switch be required for Manual Override? Room will require programming.

A255 - 275: Remove line Voltage switch - provide new wireless switch.

Radiology N242 How will new DL1 Downlights be controlled? Will they require a separate Switch? Will they be controlled via the sensors in the existing 2x4 fixtures?

[A242: Control with local 2 x 4](#)

EL.1.3

Space Specific Items (This Sheet)

Mechanical N345 & N375 & N322

Will a wireless switch be required for Manual Override? Room will require programming.

[A345 - 375 - 322: Remove line Voltage switch - provide new wireless switch.](#)

EL.1.4

Space Specific Items (This Sheet)

Lecture Hall S440A Will these DL1 fixtures require controls or be provided without Enlighted controls as indicated in the larger S440 room?

[A440a: For the control room S440A, maintain existing non-Enlighted switch and circuit.](#)

EL.1.7

Space Specific Items (This Sheet)

Gymnasium W404 How will P1 fixtures be controlled? They do not call for Enlighted controls on the fixture schedule. Are the switches shown on the wall near the elevator line voltage or should they be replaced with wireless switches.

[A404: The P1 fixtures shall illuminate only when the local circuit \(breaker\) is offline - no Enlighted for P1. Also the existing gym fixtures do not require the ESRL device.](#)

EL.1.8

Space Specific Items (This Sheet)

Exterior @ S434 Is the DL2 a fixture replacement or a re-lamp as indicated?

[A434: The identified DL2 is new - provide require controls.](#)

Mechanical Spaces W500, W501, W503

Spaces do not show a method of manual override. Do they need a wireless switch?

[A500 - 501 - 503: Remove line Voltage switch - provide new wireless switch.](#)

EL.1.9

Space Specific Items (This Sheet)

Balcony N504 Are the New SL1 and DL1 fixtures to be controlled along with the fixtures in the reading room on the 4th floor?

[A504: YES](#)

EL.1.10

Space Specific Items (This Sheet)

Cafeteria S535 Does the switch shown need to be replaced with a Wireless switch?

[A535: YES](#)

Art Classroom S507 Do the switches shown need to be replaced with wireless switches?

S520 Remove the \$HS Switch?

A507 - 520: YES

EL.1.11

Space Specific Items (This Sheet)

S584 Please Clarify HS LEAVE IN note.

A584: Remove line Voltage switch - provide new wireless switch.

EL.1.12

Space Specific Items (This Sheet)

Spaces Near S651 and S652 Remove the \$HS switch? Does the space getting the new SF3 fixtures require a wireless switch?

A651 - 652 - and adjacent space: Remove line Voltage switch - provide new wireless switch.

Mechanical Penthouse Do these spaces require Manual Override switches?

A: YES

EL.1.13

Space Specific Items (This Sheet)

S601 Remove the \$HS switch?

A601: NO - leave in place.

Corridor near S614 Is the 2x2 fixture shown to be new or is this an existing fixture?

A614: NEW RF2

NOTE:

PROVIDE EACH FIXTURE ON EGRESS CIRCUITS WITH AN ESRLBCND DEVICE.

End of Addendum 4

Sign addendum and return to the College with your response.

Company Name

Bidder's Signature

C

B

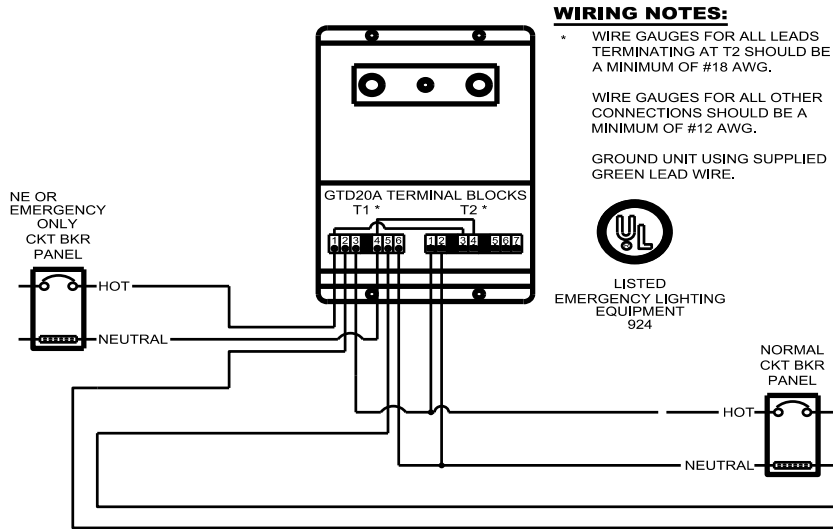
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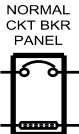
- NOTES:
1. VERIFY ALL WIRING PIN-OUTS / CONNECTIONS WITH MANUFACTURER.
 2. PIN 3 ON TERMINAL 1 MAY BE DISCONNECTED IF NO SWITCH IN CIRCUIT.
 - 2.1. VERIFY WITH MANUFACTURER.
 3. IN ALL APPLICATIONS - CONTROL CIRCUIT MUST OPEN UPON LOSS OF UTILITY POWER - ALLOWING THE LED TO COME ON AT FULL BRIGHTNESS - BYPASSING LOCAL PROGRAMMING.

WIRING NOTES:

- * WIRE GAUGES FOR ALL LEADS TERMINATING AT T2 SHOULD BE A MINIMUM OF #18 AWG.
- WIRE GAUGES FOR ALL OTHER CONNECTIONS SHOULD BE A MINIMUM OF #12 AWG.
- GROUND UNIT USING SUPPLIED GREEN LEAD WIRE.



LISTED
EMERGENCY LIGHTING
EQUIPMENT
924

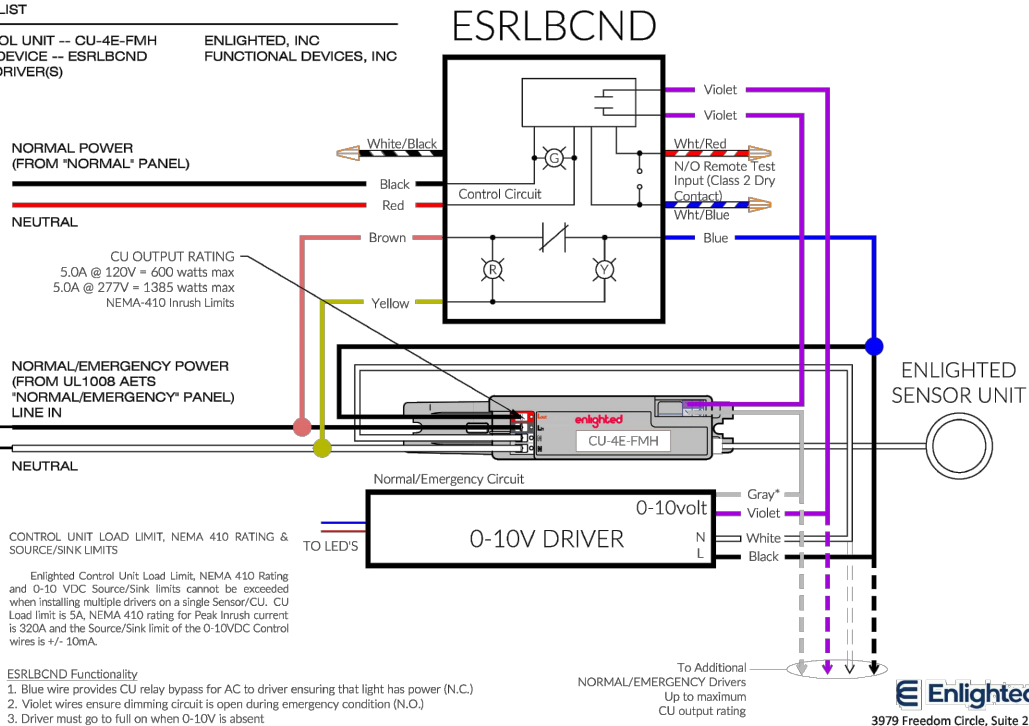


LINE DIAGRAM - FUNCTIONAL DEVICES - ESRLBCND - UL924 w/ ENLIGHTED CU-4E-FMH CONTROL UNIT

PARTS LIST

CONTROL UNIT -- CU-4E-FMH
UL924 DEVICE -- ESRLBCND
0-10V DRIVER(S)

ENLIGHTED, INC
FUNCTIONAL DEVICES, INC



CONTROL UNIT LOAD LIMIT, NEMA 410 RATING & SOURCE/SINK LIMITS

Enlighted Control Unit Load Limit, NEMA 410 Rating and 0-10 VDC Source/Sink limits cannot be exceeded when installing multiple drivers on a single Sensor/CU. CU Load limit is 5A, NEMA 410 rating for Peak Inrush current is 320A and the Source/Sink limit of the 0-10VDC Control wires is +/- 10mA.

ESRLBCND Functionality

1. Blue wire provides CU relay bypass for AC to driver ensuring that light has power (N.C.)
2. Violet wires ensure dimming circuit is open during emergency condition (N.O.)
3. Driver must go to full on when 0-10V is absent

* Note: On the 0-10V dimming devices manufactured after the NFPA 70 (NEC) Article 410.69 standard take effect on Jan 1, 2022, this wire can be in PURPLE color

NOTE: Install in accordance with National and Local Electrical Codes in compliance with AHJ requirements.

Enlighted
3979 Freedom Circle, Suite 210
Santa Clara, CA 95054
www.enlightedinc.com
650-964-1094

REV# 93-03384-02

C

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H.F. LENZ
ENGINEERING
H.F. Lenz Co.
1051 BRINTON RD
PITTSBURGH, PA 15221
412-371-9073
HLENZ.COM

REF: SNM
PROJ. NO: 2023-2010.01
DATE: 4/2/2025
FILE: 2010-SK2-E6_1.dwg
DRAWN BY:
CHK'D BY: CVU

SHEET TITLE

RELAY INTEGRATION

PROJECT

CCAC BOYCE CAMPUS
EGRESS LIGHTING MODIFICATIONS

DRAWING

E6.1 SK2