

DATE:	May 7, 2021	CO #:	Five (5)
TO:	Standafer Builders 1178 West Main Street P.O. Box 247 West Liberty, Kentucky 41472	PROJECT:	Estill County Bus Garage Irvine, Kentucky BG# 19-340 RTA 1837
CONTRACT DATE:	November 18, 2019	CONTRACT FOR:	General Construction

**THE CONTRACT IS CHANGED AS FOLLOWS:**
*(Include, where applicable, any undisputed amount attributable to previously executed Construction Change Directives.)*

- In accordance with PR 09 and Contractor provided proposed pricing with COP 08, Contractor is to revise the canopy lighting electrical work as indicated within revision cloud on attached drawing E2.0.  
\$5,086.45
- In accordance with PR 10 and Contractor provided proposed pricing with COP 09, Contractor is to provide re-circuiting for bus power pedestals as indicated within revision cloud on attached drawing UE1.0  
\$4,945.00
- In accordance with PR 11 and Contractor provided proposed pricing with COP 10, Contractor is to relocate the bus bay infrared heater.  
\$2,455.66

TOTAL AMOUNT OF THIS CHANGE ORDER:	<b>\$12,487.11</b>
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The original Contract Sum was	\$1,864,144.26
The net change by previously authorized Change Orders	\$10,859.80
The Contract Sum prior to this Change Order was	\$1,875,004.06
The Contract Sum will be <b>increased</b> by this Change Order in the amount of	\$12,487.11
The new Contract Sum including this Change Order will be	\$1,887,491.17
The Contract Time will be Increased	0 days
The Date of Substantial Completion as of the date of this Change Order is therefore	October 2, 2020

NOTE: This Change Order does not include changes in the Contract Sum, Contract Time or Guaranteed Maximum Price which 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.

Rosstarrant Architects, Inc.  
101 Old Lafayette Avenue  
Lexington, Kentucky 40502  
**ARCHITECT** (Firm name and address)

Standafer Builders, Inc.  
1178 West Main Street  
West Liberty, Kentucky 41472  
**CONTRACTOR** (Firm name and address)

Estill County Board of Education  
253 Main Street  
Irvine, Kentucky 40336  
**OWNER** (Firm name and address)

\_\_\_\_\_  
**BY** (Signature)

\_\_\_\_\_  
**BY** (Signature)

\_\_\_\_\_  
**BY** (Signature)

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(Typed or printed name)

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(Typed or printed name)

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(Typed or printed name)

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**DATE**

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**DATE**

\_\_\_\_\_  
**DATE**

**Standafer Builders, Inc.**

1178 West Main Street  
P.O. Box 247  
West Liberty, KY 41472

Phone: 606-743-4435  
Fax: 606-743-7401

**PROPOSED  
CHANGE ORDER****No. 15****TITLE:** PR09-R1: canopy lights**DATE:** 04/29/2021**PROJECT:** Estill Co. Bus Garage

**TO:** Attn: Peter Fisher  
RossTarrant Architects  
101 Old Lafayette Avenue  
Lexington, KY 40502  
Phone:859-254-4018 Fax:859-231-5046

**CONTRACT/PO:** RTA 1837 / BG 1**SUBMITTED:****COMPLETED:****REQUIRED:**

Num Item	Description	Ref	Qty Unit	Unit Price	Amount
1	Light fixtures		4.000 Each	382.00	1,528.00
2	Conduit & wire		1.000 lump	1,320.00	1,320.00
3	Electrical labor		21.000 Hrs	75.00	1,575.00
4	Profit/overhead		4,423.000	0.15	663.45
<b>Total:</b>					<b>\$5,086.45</b>

**APPROVAL****By:** **Date:** 4.29.21**By:** \_\_\_\_\_**Date:** \_\_\_\_\_



35 Pendleton Street  
Winchester, Ky 40391

859-595-1894  
rimarelectric@gmail.com

ATTN: John Standafer  
Standafer Builders  
West Liberty KY 41472

PROJECT: 19-211 Estill Co Bus Garage  
JOB TYPE: PR-09 Add Lights Under Fuel Canopy

PR09-R1

We propose to furnish labor & materials per the SCOPE of work listed below to complete the electrical installation in accordance with plans and specifications for the above listed project.

All material is guaranteed to be at minimum equal to specified materials unless changed or substituted by Owner or Owner's Representative. All work shall be executed in a workmanlike manner in accordance with accepted standard practices. Any alterations or deviations from the contract plans and specifications involving additional or extra costs will be executed only upon written authorization from the Owner or Owner's Representative and will become an extra charge to the original contract Proposal. We will not be held responsible for materials or labor subject to strikes, accidents, delays, or Acts of God. In any litigation, arbitration or any other disputes relating to the Proposal, inclusive of any or all change orders or other modifications to plans and specifications of the above project, or the party's obligations or performance hereafter, the prevailing party shall recover its attorney fees and any and all related costs, both taxable and nontaxable, from the non-prevailing party. This shall become a binding contract when signed by both parties.

SCOPE:

- We propose labor & materials to install (4) Type OA Fixtures as specified under the fuel canopy as requested
- We will install conduit to bottom of the canopy structure and tie into existing circuit as indicated on PR-09
- We will pull new circuit thru existing conduit as indicated on revised PR-09
- All work will meet NEC 2017

BREAKDOWN:

Labor: 21 Hours @ \$75.00 Per Man Hour	= \$1575.00
Light Fixtures: 4 @ \$382.00	= \$1528.00
Conduit & Wire:	= \$1320.00

**TOTAL PROPOSED PRICE: \$4423.00**

1. THIS PROPOSAL IS FIRM FOR 30 DAYS
2. INSTALLATION IS GUARANTEED FOR ONE YEAR
3. PLEASE REFER TO NOTED OR ATTACHED BID CLARIFICATION SHEET
4. TO ACCEPT THIS PROPOSAL PLEASE SIGN & RETURN

RIMAR ELECTRIC LLC

RESPONSIBLE PARTY

\_\_\_\_\_  
Date:

\_\_\_\_\_  
DATE:



# Proposal Request

PROJECT NAME: Estill County Bus Garage  
PROJECT NUMBER: 1837  
SUBJECT: (Revised) Fuel Canopy Lighting  
DUE DATE:  
ID: PR 09-R1  
SENDER ID:  
INITIATED BY: Joshua Johnson  
REASONS:  
DISCIPLINE: Electrical  
STATUS: Open  
COP STATUS: Received  
CONTRACT:  
DESCRIPTION: Provide itemized pricing for all material, labor and equipment required for the following:  
  
See attached revised PR drawings for the Fuel Canopy Lighting. CMTA has provided this revised drawing which calls out using the spare conductors the owner located in the canopy wire way.  
  
This is not a change order nor a direction to proceed with the work described herein.

## ACTIONS

### Sent

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DATE:	3/29/2021	DUE BACK:	--
FROM:	Jonathan Ruiz (RossTarrant Architects)		
RECIPIENTS:	Shelley Lane (Standafer Builders, Inc.)		
REMARKS:	Provide itemized pricing for all material, labor and equipment required for the following:  See attached revised PR drawings for the Fuel Canopy Lighting. CMTA has provided this revised drawing which calls out using the spare conductors the owner located in the canopy wire way.  This is not a change order nor a direction to proceed with the work described herein.		

GENERAL NOTES (LIGHTING):

- A. REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
- B. CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAYOUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER N.E.C. #310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER N.E.C. #310.15(B)(3), AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN N.E.C. #100.210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- C. IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. IN HEALTHCARE FACILITIES, ENGRAVE EMERGENCY DEVICE COVERPLATES IN PATIENT CARE AREAS. MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
- D. LOCATE CHANGING INDUSTRIAL FIXTURES IN MECHANICAL ROOMS TO AVOID DUCTWORK AND PIPING, TO MAXIMIZE AVAILABLE LIGHT. SPACE AROUND EQUIPMENT, AIR HANDLERS, ETC. TO PROVIDE ADEQUATE LIGHTING TO ALL AREAS OF ROOM. PROVIDE ADDITIONAL FIXTURES OF SAME TYPE AS NEEDED TO FULFILL THIS REQUIREMENT.
- E. LOCATE EXIT SIGNS FOR MAXIMUM VIEWING AREA TO IDENTIFY EGRESS PATHS AS INDICATED ON PLANS. COORDINATE LOCATIONS SUCH THAT ARCHITECTURAL FEATURES OR EQUIPMENT FROM OTHER TRADES DO NOT OBSTRUCT VIEW.
- F. WHERE EXIT SIGNS OR EMERGENCY BATTERY PACKS ARE PROVIDED, THEY SHALL BE CONNECTED TO AN UNSWITCHED LINE.
- G. LUMINAIRES INDICATED WITH MULTILEVEL SWITCHING SHALL HAVE SIMILAR LAMPS CONTROLLED TOGETHER, I.E. INBOARD AND OUTBOARD LAMPS OR RIGHT AND LEFT HAND LAMPS.
- H. ALL LIGHTING FIXTURE LENSES, PARABOLIC LOUVERS, DOWNLIGHTING ALZAK CONES AND "PARACUBE" LOUVERS SHALL BE HANDLED WITH COTTON GLOVES DURING INSTALLATION AND LAMPING TO AVOID FINGERPRINTS OR DIRT DEPOSITS. IT IS PREFERRED THAT FIXTURES BE SHIPPED AND INSTALLED WITH CLEAR PLASTIC BAGS TO PROTECT LOUVERS. AT CLOSE OF PROJECT, AND AFTER CONSTRUCTION AIR FILTERS ARE CHANGED, REMOVE BAGS. ANY LOUVER OR CONE SHOWING DIRT OR FINGER PRINTS SHALL BE CLEANED WITH SOLVENT RECOMMENDED BY THE MANUFACTURER, OR REPLACED AS NECESSARY IN ORDER TO TURN OVER TO THE OWNER NEW FIXTURES AT OCCUPANCY.
- I. RECESSED LUMINAIRES SHALL BE SECURED SUCH THAT THE FORCE REQUIRED INSERTING LAMPS, TRIMS, LENSES, LOUVERS, OR DOOR FRAMES DOES NOT SHIFT HOUSING. ALL TRIMS SHALL BE COMPLETELY FLUSH WITH FINISHED CEILINGS AT COMPLETION OF CONSTRUCTION.
- J. CONTRACTOR SHALL PROVIDE UNSWITCHED CONDUCTOR TO ALL EXIT SIGNS, EMERGENCY INVERTER BATTERY PACKS, AND NIGHT LIGHTS AS REQUIRED.

GENERAL NOTES (POWER):

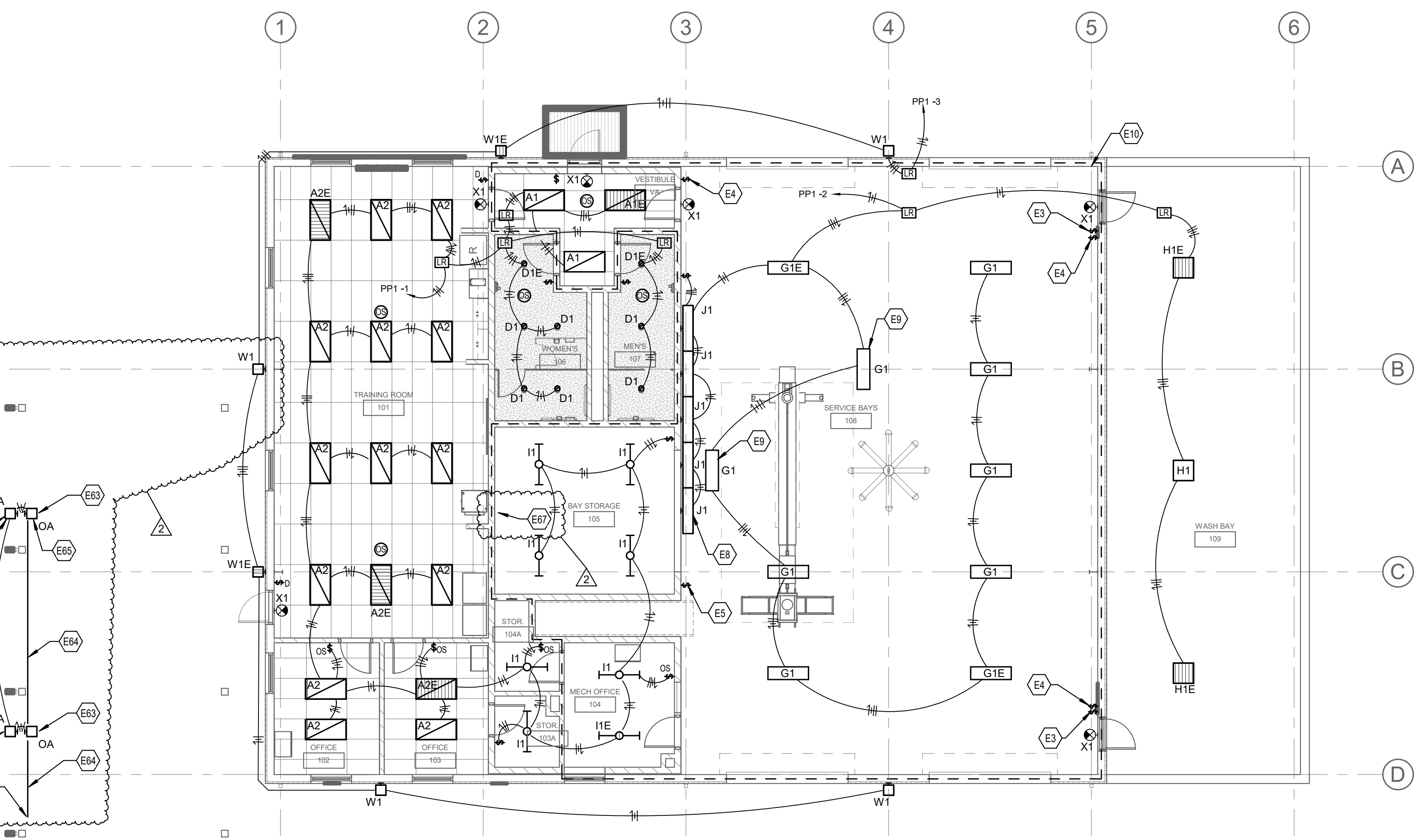
- A. REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
- B. CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAYOUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER N.E.C. #310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER N.E.C. #310.15(B)(3), AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN N.E.C. #100.210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- C. IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. IN HEALTHCARE FACILITIES, ENGRAVE EMERGENCY DEVICE COVERPLATES IN PATIENT CARE AREAS. MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
- D. RECEPTACLES THAT ARE CONTROLLED BY AN AUTOMATIC MEANS SUCH AS OCCUPANCY SENSOR OR ENERGY MANAGEMENT SYSTEM SHALL BE MARKED IN ACCORDANCE WITH NEC 408.3(E).
- E. LOCATIONS OF ELECTRICAL CONNECTIONS AND LOCAL DISCONNECTS SHALL BE COORDINATED WITH MECHANICAL AND PLUMBING CONTRACTORS TO ENSURE ACCESS AND WORKING CLEARANCE IS MAINTAINED PER NEC. NOTIFY OTHER TRADES OF REQUIRED 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/MAINTENANCE CLEARANCES OF EQUIPMENT BY OTHER TRADES.

GENERAL NOTES (SYSTEMS):

- A. REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
- B. CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAYOUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER N.E.C. #310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER N.E.C. #310.15(B)(3), AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN N.E.C. #100.210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- C. IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. IN HEALTHCARE FACILITIES, ENGRAVE EMERGENCY DEVICE COVERPLATES IN PATIENT CARE AREAS. MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
- D. REFER TO "SYSTEM INSTALLATION MATRIX" (ON SYSTEMS LEGEND SHEET) AND SPECIFICATIONS FOR CONTRACTOR REQUIREMENTS OF EACH SYSTEM.
- E. THE CONTRACTOR SHALL ROUTE ALL "SYSTEM CONDUIT STUB-UPS" TO THE NEAREST CORRIDOR CABLING PATH (S) ("STUB-UP" DETAILS). REFER TO CABLING PATH INSTALLATION DETAIL FOR ADDITIONAL REQUIREMENTS.
- F. CONTRACTOR SHALL PAINT ALL SYSTEMS CONDUIT STUB-UPS LIGHT BLUE FOR SYSTEMS CABLING INTO THE CORRIDOR CABLING PATH. PROVIDE PULL STRINGS IN ALL NEW CONDUIT RUNS FOR SYSTEM CABLING INSTALLATION.

TAGGED NOTES

- E1 HVLV-1 FAN CONTROLLER (PROVIDED WITH FAN). PROVIDE CONDUIT CABLING BETWEEN FAN AND CONTROL STATION.
- E2 PROVIDE 208V, 3-PHASE CONNECTION TO IN-GROUND LIFT. PROVIDE ALL CONDUIT, CONDUCTORS, INTERCONNECTIONS, AND TERMINATIONS PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. POWER UNIT WILL BE LOCATED IN FLOOR TRENCH AND IS LISTED FOR INSTALLATION IN A CLASS 1, DIVISION 1 HAZARDOUS LOCATION. CONDUIT AND FITTINGS IN THE FLOOR TRENCH SHALL BE LISTED TO BE INSTALLED IN A CLASS 1, DIVISION 1 LOCATION.
- E3 LIGHT SWITCH FOR WASH BAY LIGHT FIXTURES.
- E4 LIGHT SWITCH FOR SERVICE BAY LIGHT FIXTURES.
- E5 LIGHT SWITCH FOR MEZZANINE LIGHT FIXTURES.
- E6 PROVIDE ELECTRICAL CONNECTION TO OVERHEAD DOOR.
- E8 MOUNT J1 FIXTURES AT 7'-0" AND CENTER WIDTH OF FIXTURES ALONG LENGTH OF LIFT.
- E9 COORDINATE FIXTURE WITH BUS LIFT.
- E10 THE ENTIRE FLOOR AREA UP TO 18" ABOVE FLOOR IN THE SERVICE BAYS 108 AND ADJACENT SPACES (MECH OFFICE 104, BAY STORAGE 105, VESTIBULE VA) SHALL BE CLASSIFIED AS CLASS 1, DIVISION 2. ALL ELECTRICAL RECEPTACLES, LIGHT FIXTURES, DATA DEVICES, EQUIPMENT, DEVICES, ETC., IN THE SERVICE BAYS 108 AND ADJACENT SPACES (MECH OFFICE 104, BAY STORAGE 105, VESTIBULE VA) SHALL BE LOCATED 24" ABOVE FINISHED FLOOR. ANY CONDUITS ROUTED WITHIN 18" OF FLOOR SHALL BE RIGID STEEL, AND SHALL BE PROVIDED WITH EXPLOSION PROOF FITTINGS WHEN CROSSING FROM HAZARDOUS TO NON-HAZARDOUS ENVIRONMENTS.
- E13 COORDINATE RECEPTACLE HEIGHT WITH MICROVAPE. SEE ARCHITECT'S ELEVATIONS.
- E14 PROVIDE CONDUIT AND CONTROL CONDUCTORS TO LIFT CONTROL STATION PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- E15 PROVIDE CONDUIT AND CONTROL CONDUCTORS TO OVERHEAD DOOR CONTROL STATION PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- E33 PROVIDE TELECOMMUNICATIONS CONNECTION AND ANY NECESSARY INTERFACE MODULE AND PROGRAMMING TO INTEGRATE THE FIRE ALARM SYSTEM INTO THE OWNER'S FIREWORKS DISTRICT MONITORING SYSTEM HEAD-END AT THE BOARD OFFICE VIA THE OWNER'S WAN.
- E35 REFER TO COMMUNICATIONS RISER DIAGRAM FOR SYSTEMS EQUIPMENT IN THIS ROOM.
- E36 COMMUNICATIONS EQUIPMENT BACKBOARD AROUND PERIMETER OF ROOM.
- E37 PROVIDE 4 GANG WALL BOX (WB1) FOR TV POWER AND AV. WB1 TO BE WIREMOLD EVOLUTION SERIES EFB84 OR EQUAL. COORDINATE LOCATION WITH TV MOUNT. WB1 IS TO BE CONCEALED BEHIND THE TV. PROVIDE WITH (1) DUPLEX RECEPTACLE, (1) DATA DROP, AND 1 HDMI CONNECTION. PROVIDE ALL DEVICES WITH CORRESPONDING FACEPLATES AND CONNECTORS. ROUTE ALL CABLING, CONDUIT, AND CONDUCTORS ACCORDINGLY. PROVIDE WITH DIVIDERS FOR LOW VOLTAGE AND LINE VOLTAGE CONDUCTORS. FEED THE 120V DUPLEX CIRCUIT AND THE AV CONDUIT (SPECIFIED IN NOTE E38) INTO THE BOTTOM OF THE BOX.
- E38 ROUTE 2" CONDUIT BELOW SLAB FROM FB1 TO WB1 FOR AV CABLING. PROVIDE WITH (1) HDMI CABLE. TERMINATED ACCORDINGLY. LEAVE PULL STRINGS.
- E39 PROVIDE 6 GANG FLOOR BOX, FB1. FB1 TO BE WIREMOLD EVOLUTION SERIES EFB86 OR EQUAL. PROVIDE WITH (3) DUPLEX RECEPTACLES, (2) DATA DROPS, AND (1) HDMI CONNECTION. ROUTE HDMI DIRECTLY TO WALL BOX WB1. PROVIDE ALL DEVICES WITH CORRESPONDING FACEPLATES AND CONNECTORS. ROUTE ALL CABLING, CONDUIT, AND CONDUCTORS ACCORDINGLY. PROVIDE WITH DIVIDERS FOR LOW VOLTAGE AND LINE VOLTAGE CONDUCTORS.
- E46 PROVIDE ELECTRICAL CONNECTION TO HAND DRYER.
- E48 PROVIDE 120V CONNECTION TO DOOR POWER SUPPLY. PROVIDE CABLING BETWEEN POWER SUPPLY AND ELECTRIFIED DOOR HARDWARE FOR THE (2) DOOR OPENINGS IN THIS VESTIBULE THAT HAVE ELECTRIFIED HARDWARE. REFER TO THE ELECTRICAL NOTES IN THE DOOR HARDWARE SETS LISTED IN THE DOOR HARDWARE SPECIFICATIONS, SECTION 087100. PROVIDE THE LOW VOLTAGE CABLING IN THE CONDUITS THAT ARE MENTIONED IN THESE ELECTRICAL NOTES.
- E49 ELECTRIC MORTISE LOCK. SEE DOOR HARDWARE SPECIFICATIONS, SECTION 087100.
- E50 PROVIDE REMOTE GATE CONTROL STATION IN BUS GARAGE. COORDINATE EXACT LOCATION WITH OWNER. CONTROL STATION SHALL BE ABLE TO OPEN THE ACCESS CONTROL GATES FOR VISITORS. PROVIDE NECESSARY CONTROL CABLING/CONDUCTORS TO GATE CONTROLLER ON THE SITE (SEE ELECTRICAL SITE UTILITIES PLAN) IN 2" CONDUIT.
- E51 PROVIDE INTERCOM MASTER STATION NEXT TO REMOTE GATE CONTROL STATION. COORDINATE EXACT LOCATION WITH OWNER. MASTER STATION SHALL BE ABLE TO ACCEPT AUDIO CALLS FROM VISITORS AT THE REMOTE STATION LOCATED ON THE SITE (SEE "R" SYMBOL ON ELECTRICAL SITE UTILITIES PLAN). MASTER STATION TO BE AIPHONE LEM-1 OR EQUAL. PROVIDE WITH APPLICABLE POWER SUPPLY: AIPHONE 9K-420C OR EQUAL.
- E53 CONTROL SWITCH FOR EXHAUST FAN EF-2 AND ASSOCIATED DAMPER. PROVIDE LINE VOLTAGE, 0-4 HOUR, SPRING-WOUND, TIMER SWITCH.
- E54 PROVIDE LINE VOLTAGE POWER RELAY AT BACKDRAFT DAMPER. RELAY SHALL POWER OPEN THE DAMPER WHEN EXHAUST FAN EF-2 IS ON. EXTEND CONTROL CONDUCTORS TO DAMPER. COORDINATE WITH DAMPER LOCATION.
- E55 ELECTRICAL CONNECTION TO EF-2.
- E56 PROVIDE 2-POLE SWITCH AT 4'-0" AFF FOR CONTROL OF EXHAUST FAN EF-3.
- E57 PROVIDE ELECTRICAL CONNECTION TO HEATER EH-1.
- E58 PROVIDE 120V CONNECTION TO HEAT TRACE ON PIPING IN THIS AREA. COORDINATE WITH PLUMBING.
- E59 REQUEST TO EXIT MOTION SENSOR. REFER TO DOOR HARDWARE SPECIFICATIONS 087100 FOR ADDITIONAL REQUIREMENTS.
- E63 MOUNT FIXTURE ON SIDE OF CANOPY STRUCTURAL MEMBER.
- E64 ROUTE CONDUITS ALONG CANOPY STRUCTURAL MEMBER, ROUTE INTO FIXTURE JUNCTION BOX. PAINT CONDUITS TO MATCH CANOPY. ALL EXPOSED CONDUITS SHALL BE RIGID STEEL.
- E65 ROUTE CONDUIT OUT BOTTOM OF INSIDE FIXTURE, UNDER STRUCTURE CANOPY, INTO BOTTOM OF OUTSIDE FIXTURE. UTILIZE PULLING ELBOWS.
- E66 ROUTE CONDUIT DOWN COLUMN TO WIREWAY. ENTER BACK OF WIREWAY. INTERCEPT EXISTING SPARE CONDUCTORS FROM PANEL AND EXTEND #12, #12 GROUND TO LIGHT FIXTURES.
- E67 INTERCEPT EXISTING CONDUCTORS TO EXTERIOR WIREWAY. ROUTE CONDUCTOR THROUGH NEW LIGHTING RELAY TO PROVIDE CONTROL OF CANOPY FIXTURES VIA PHOTOCELL ON LIGHTING CONTROLS NETWORK. CONNECT CIRCUIT TO NEAREST UNSWITCHED LIGHTING CIRCUIT.



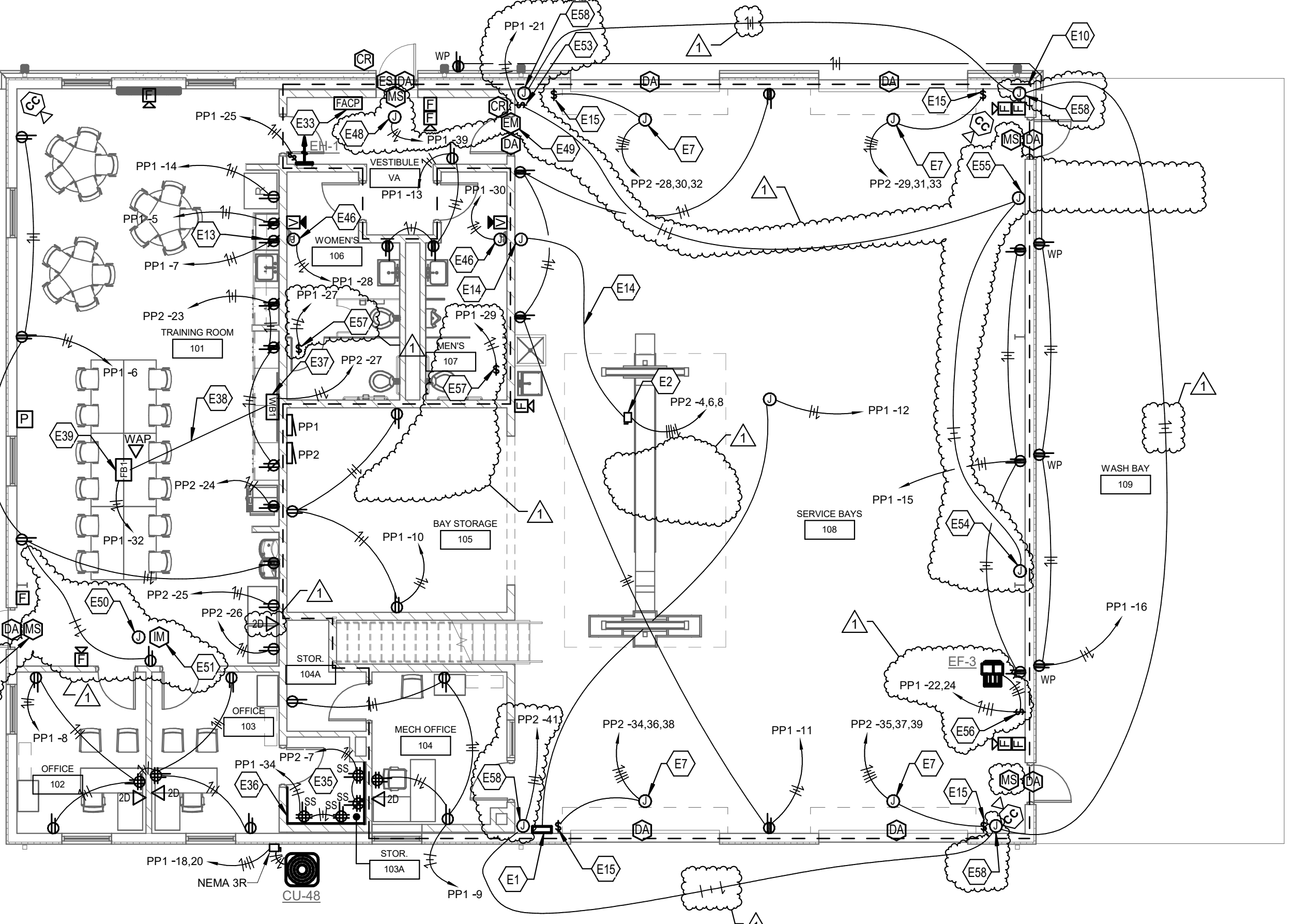
FIRST FLOOR LIGHTING PLAN  
1/8" = 1'-0"

LIGHT FIXTURE SCHEDULE CANOPY									
TYPE	DESCRIPTION	BASIS OF DESIGN	EQUAL MANUFACTURERS	MOUNTING	LAMPS / CCT	MINIMUM LUMENS	MAXIMUM WATTAGE	VOLTAGE	REMARKS
OA	BUILDING MOUNTED, LED WALL-PACK WITH VISUAL COMFORT WIDE DISTRIBUTION WITH SURFACE-MOUNTED BACK BOX	LITHONIA WDGE1 LED P2 40K 80CRI VVM MVOLT PBBW	MCGRAW EDISON GALLEON GWC WALL SERIES GARDCO EQUAL	CANOPY	4000K	2000	4	120V	

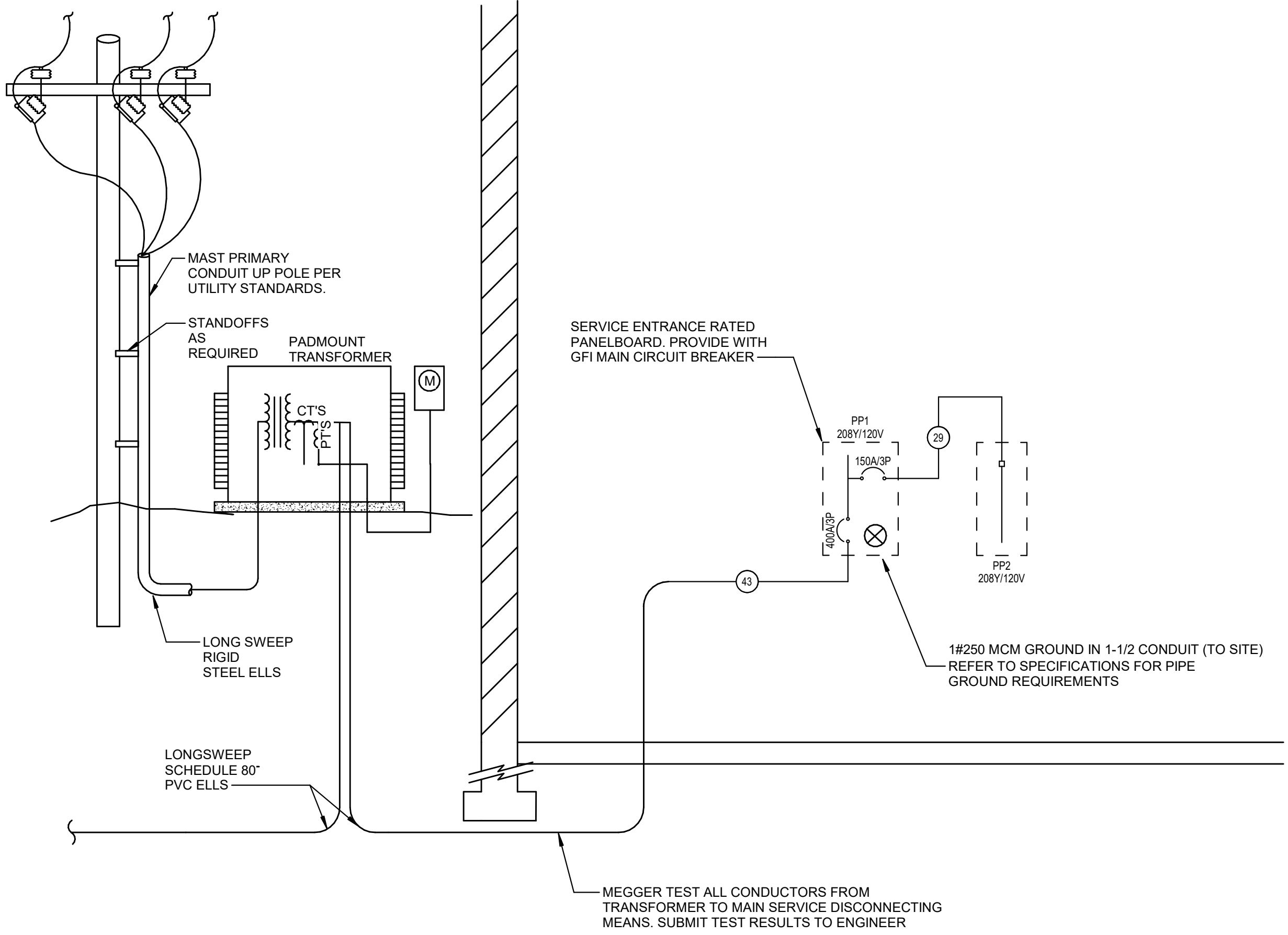
ELEC - ONE-LINE FEEDER SCHEDULE					
TAG	OCPD SETTING	WIRE SIZE	EQUIP. GROUND	CONDUIT SIZE	COMMENTS
29	150/3 (4W)	(4) #1/0	(1) #6	2"	
43	400/3 (4W)	(4) #500 KCMIL	(1) #3	3-1/2"	

ELECTRICAL ONE-LINE GENERAL NOTES:

1. PROVIDE TERMINAL ADAPTERS LUGS AS REQUIRED FOR TERMINATION OF INCREASED CONDUCTOR SIZES THAT EXCEED BREAKER LUG SIZING, AS NEEDED.
2. PROVIDE FAULT CURRENT ANALYSIS AND COORDINATION STUDY FOR ELECTRICAL DISTRIBUTION SYSTEM.
3. PROVIDE ARC FLASH STUDY AND PROVIDE PPE LABELING FOR ALL ELECTRICAL EQUIPMENT.
4. PROVIDE ELECTRICAL DISTRIBUTION EQUIPMENT WITH FAULT CURRENT RATINGS OF 100 KAIC.
5. PROVIDE NEC LABELING AT ALL DISCONNECTS, PANELS, MAIN SWITCHBOARD SERVING ELECTRICAL SYSTEM.



FIRST FLOOR POWER/SYSTEMS PLAN  
1/8" = 1'-0"



ELECTRICAL ONE-LINE DIAGRAM  
SCALE: NONE



**Standafer Builders, Inc.**

1178 West Main Street  
P.O. Box 247  
West Liberty, KY 41472

Phone: 606-743-4435  
Fax: 606-743-7401

**PROPOSED  
CHANGE ORDER**

**No. 10**

**TITLE:** PR10: re-circuiting for bus power pedestals

**DATE:** 01/13/2021

**PROJECT:** Estill Co. Bus Garage

**TO:** Attn: Peter Fisher  
RossTarrant Architects  
101 Old Lafayette Avenue  
Lexington, KY 40502  
Phone:859-254-4018 Fax:859-231-5046

**CONTRACT/PO:** RTA 1837 / BG 1

**SUBMITTED:**

**COMPLETED:**

**REQUIRED:**

**DESCRIPTION**

Per PR 10 to provide re-circuiting for bus power pedestals as indicated within revision cloud on attached drawing UE1.0.

Num Item	Description	Ref	Qty Unit	Unit Price	Amount
1	Install labor		1.000 lump	1,920.00	1,920.00
2	Wire, amps		1.000 lump	2,380.00	2,380.00
3	Profit & overhead		4,300.000	0.15	645.00
<b>Total:</b>					<b>\$4,945.00</b>

**APPROVAL**

By: \_\_\_\_\_



By: \_\_\_\_\_

Date: \_\_\_\_\_

1-13-21

Date: \_\_\_\_\_

Rimar Electric LLC  
35 Pendleton Street  
Winchester, Ky 40391  
Tel 859-595-1894 Fax 866-850-4308  
Email: Web Page: www.rimarelectric.com



1/12/2021

**STANDAFER BUILDERS**  
**West Liberty KY 41472**

**ATTN: John Standafer**

**JOB NAME: 19-211 Estill Co Bus Garage, PR-10 Install Additional Circuits For Bus Heaters**

*We propose to complete work per plans & specs for the above-named project. We will supply all labor, materials & project supervision. Our proposal for the SUM OF: \$4300.00 is in accordance with the scope of work & bid documents as indicated below.*

**SCOPE:**

*We will remove existing single pole breakers & replace with (6) 3Pole 20Amp Using shared Neutrals to allow for the addition of 24 new dedicated circuits as requested.*

**Proposal Includes:**

1. All Permits & Inspection Fees
2. Division #26 Electrical

Labor: \$1920.00
Wire: \$2380.00
 TOTAL: \$4300.00

**This Proposal Excludes:**

1. Utility Fees If Required (Power or Tele-Data)
2. Removal Of Rock If Encountered During Excavation, All rock shall be removed based on per unit cost.
3. We exclude any dumpster fees unless included above
4. We exclude overtime or shift work

*If You have any questions please do not hesitate in contacting us for clarification of proposal*

THANK YOU

A handwritten signature in black ink, which appears to read "William A. Perry", is written over a horizontal line.

WILLIAM A PERRY



# Proposal Request Transmittal

RossTarrant Architects | 101 Old Lafayette Ave Lexington KY 40502 United States

PROJECT: Estill County Bus Garage 1837      DATE SENT: 12/11/2020

SUBJECT: Re-circuiting for Bus Power Pedestals      PROPOSAL REQUEST ID: PR 10

TYPE: Proposal Request      TRANSMITTAL ID: 00411

PURPOSE: For Contractor's Pricing      VIA: Info Exchange

FROM

NAME	COMPANY	EMAIL	PHONE
Jonathan Ruiz	RossTarrant Architects	jruiz@rosstarrant.com	859-254-4018

TO

NAME	COMPANY	EMAIL	PHONE
Shelley Lane	Standafer Builders, Inc.	standbu@mrtc.com	606.743.4435

REMARKS: Provide itemized pricing for all material, labor and equipment required for the following:

Provide re-circuiting for bus power pedestals as indicated within revision cloud on attached drawing UE1.0. See attached PR drawing.

This is not a change order nor a direction to proceed with the work described herein.

DESCRIPTION OF CONTENTS

*\* Add 15% to Rimar's quote*

QTY	DATED	TITLE	NUMBER	SCALE	SIZE	NOTES
1	12/11/2020	UE1.0.pdf				

COPIES:

Peter Fisher      (RossTarrant Architects)  
Dan Higgins      (CMTA, Inc.)  
Joshua Johnson      (CMTA, Inc.)





# Proposal Request

PROJECT NAME: Estill County Bus Garage  
PROJECT NUMBER: 1837  
SUBJECT: Re-circuiting for Bus Power Pedestals  
DUE DATE:  
ID: PR 10  
SENDER ID:  
INITIATED BY: Joshua Johnson  
REASONS:  
DISCIPLINE: Electrical  
STATUS: Open  
COP STATUS: Not Received  
CONTRACT:  
DESCRIPTION: Provide itemized pricing for all material, labor and equipment required for the following:  
  
Provide re-circuiting for bus power pedestals as indicated within revision cloud on attached drawing UE1.0. See attached PR drawing.  
  
This is not a change order nor a direction to proceed with the work described herein.

## ACTIONS

### Sent

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DATE:	12/11/2020	DUE BACK:	--
FROM:	Jonathan Ruiz (RossTarrant Architects)		
RECIPIENTS:	Shelley Lane (Standafer Builders, Inc.)		
REMARKS:	Provide itemized pricing for all material, labor and equipment required for the following:  Provide re-circuiting for bus power pedestals as indicated within revision cloud on attached drawing UE1.0. See attached PR drawing.  This is not a change order nor a direction to proceed with the work described herein.		



## Proposal Request

### Sent

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DATE:	1/11/2021	DUE BACK:	--
FROM:	Peter Fisher (RossTarrant Architects)		
RECIPIENTS:	Shelley Lane (Standafer Builders, Inc.); John Standafer (Standafer Builders, Inc.)		
REMARKS:	Our records indicate this was forwarded on 12/11/20. Please provide pricing as this is a critical item for the District.		

*Provide itemized pricing for all material, labor and equipment required for the following:*

*Provide re-circuiting for bus power pedestals as indicated within revision cloud on attached drawing UE1.0. See attached PR drawing.*

*This is not a change order nor a direction to proceed with the work described herein.*

SPECIAL BACKFILL GENERAL NOTE

WITHIN THE PROPOSED BUILDING FOOTPRINT, AND EXTENDING TO 10 FEET OUTSIDE OF THE BUILDING FOOTPRINT, TREAT ANY EXPOSED DARK GRAY SHALE (HORIZONTAL AND VERTICAL FACES) WITH EMULSIFIED ASPHALT. THE BACKFILL OF UTILITY TRENCHES THAT ENCOUNTER THE SHALE SHOULD CONSIST OF THE FOLLOWING:

SUPPORT THE UTILITY PIPING CONDUIT WITH CHAIRS AND BACKFILL THE ENTIRE EXCAVATION WITH FLOWABLE FILL. THE CONTRACTOR SHOULD PLAN SUCH THAT THE AMOUNT OF UTILITY LINE CONSTRUCTED ON ANY GIVEN DAY SHOULD BE LIMITED TO THE AMOUNT THAT COULD BE BACKFILLED WITHIN 8 HOURS OF OPENING THE TRENCH. IF THIS IS NOT FEASIBLE DUE TO COORDINATION AND SCHEDULING OF PLUMBING INSPECTIONS, THE UTILITY TRENCH SHALL BE COATED WITH EMULSIFIED ASPHALT IMMEDIATELY. AT NO INSTANCE SHALL THE SHALE REMAIN EXPOSED FOR MORE THAN 8 HOURS WITHOUT TREATMENT. CAUTION SHOULD BE TAKEN ONCE THE EMULSIFIED ASPHALT IS APPLIED SUCH THAT THE INTEGRITY OF THE ASPHALT LAYER IS NOT COMPROMISED. UPON COMPLETION OF THE PIPE INSPECTION, BACKFILL THE EMULSIFIED ASPHALT TREATED TRENCHES WITH FLOWABLE FILL.

UTILITY LINES OUTSIDE OF 10 FEET BEYOND THE BUILDING FOOTPRINT MAY BE CONSTRUCTED USING CONVENTIONAL CONSTRUCTION AND BACKFILL TECHNIQUES AS OUTLINED IN THE PROJECT DOCUMENTS.

(THIS NOTE APPLIES TO ANY EXCAVATION WITHIN 10 FEET OF ANY NEW OR EXISTING PERMANANT STRUCTURE.)

SPECIAL CONCRETE UTILTY STRUCTURE GENERAL NOTE

ALL CONCRETE UTILITY STRUCTURES ARE TO BE MANUFACTURED USING A SULFATE RESISTANT CONCRETE CEMENT. THIS IS A TYPE II CEMENT. THIS IS BECAUSE OF THE PYRITIC SHALE IN THE AREA THAT CAN BE CORROSIVE TO CONCRETE.

BEFORE YOU DIG

THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL CONTACT "BUD (BEFORE YOU DIG)" AT 1-800-752-6007 TO OBTAIN UNDERGROUND UTILITY LOCATIONS PRIOR TO ANY CONSTRUCTION. ANY CONTRACTOR OR SUBCONTRACTOR PERFORMING ANY TYPE OF EXCAVATION ON THIS PROJECT SHALL CALL "BUD" TO OBTAIN AN AUTHORIZATION NUMBER.

SITE UTILITIES LEGEND

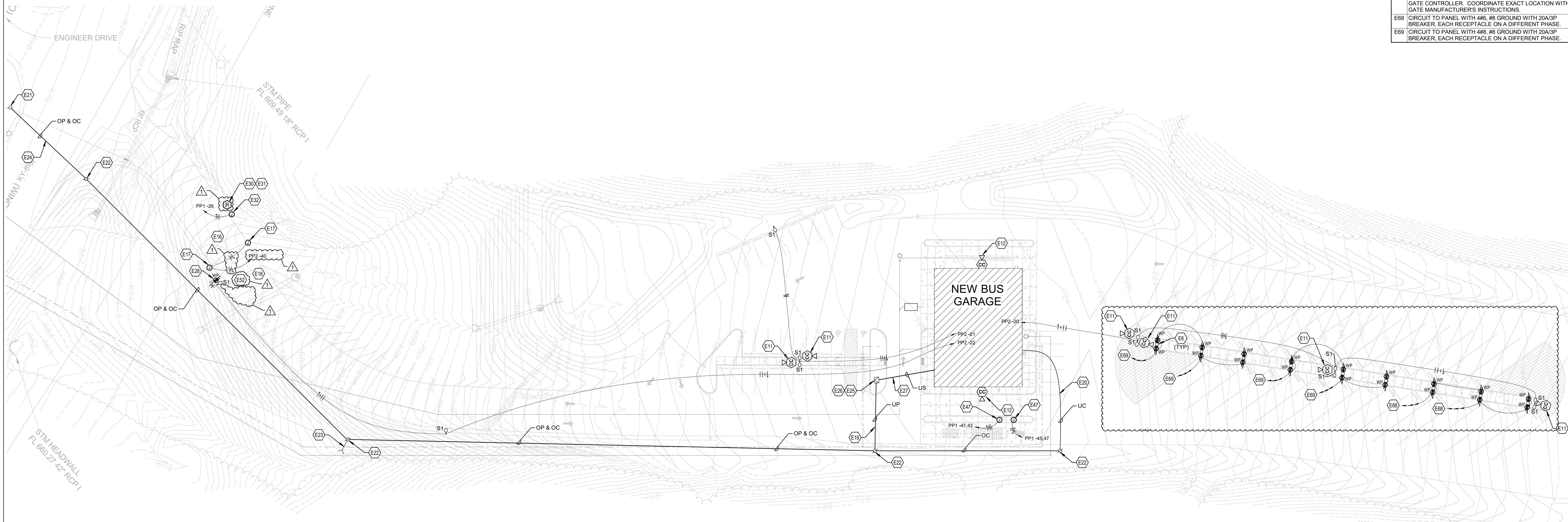
	EXISTING	NEW
OVERHEAD PRIMARY	EOP	OP
UNDERGROUND PRIMARY	EUP	UP
UNDERGROUND SECONDARY	EUS	US
UNDERGROUND SITE LIGHTING	EUSL	USL
UNDERGROUND TRAFFIC SIGNAL	EUTS	UTS
UNDERGROUND COMMUNICATION	EUC	UC
OVERHEAD COMMUNICATION	EOC	OC
CHILLED WATER	CW	CW
DOMESTIC WATER	E(W)	W
GAS	E(G)	G
HIGH PRESSURE SUPPLY	HPS	HPS
HIGH PRESSURE RETURN	HPR	HPR
PUMP DISCHARGE RETURN	PDR	PDR
SANITARY SEWER	E(SAN)	SAN
STORM	E(SS)	SS
FIRE HYDRANT	FH	FH
WATER VALVE	WV	WV
EXTERIOR CLEANOUT	ECO	ECO
SANITARY MANHOLE	S	S
THRUST BLOCK	TB	TB
UTILITY POLE		
GUY WIRE	Y	Y

SITE UTILITY GENERAL NOTES - ELECTRICAL

- A DO NOT SCALE FROM MECHANICAL AND ELECTRICAL DRAWINGS. FIELD VERIFY REQUIRED DIMENSIONS.
- B CONTRACTOR SHALL CUT AND PATCH ALL PAVEMENT, CURBING, ETC. AS REQUIRED FOR WORK. CONTRACTOR SHALL REPAIR ALL LANDSCAPING THAT IS DAMAGED IN THE COURSE OF HIS WORK.
- D FEDERAL, STATE, LOCAL, MUNICIPALITY, AND UTILITY COMPANY CODES, RULES, REGULATIONS, AND REQUIREMENTS APPLY UNLESS EXCEEDED BY THIS DESIGN.
- E PLANNED INTERRUPTION OF ANY SERVICE SHALL BE COORDINATED WITH THE APPROPRIATE MUNICIPALITY OR UTILITY COMPANY, THE ARCHITECT, AND THE BUILDING OPERATORS AT LEAST ONE WEEK IN ADVANCE OF ANTICIPATED INTERRUPTION. A SCHEDULE FOR THESE OUTAGES SHALL BE DEVELOPED AND AGREED UPON BETWEEN THE PARTIES MENTIONED TO AVOID UNNECESSARY INCONVENIENCE TO THE OWNER OR ANY AFFECTED PARTY. NOTIFY THE UTILITY COMPANY OF ANY ANTICIPATED SERVICES REQUIRED FROM THEM AT LEAST TWO WEEKS IN ADVANCE IN WRITING AND ENSURE THAT THEY DO NOT DELAY WORK.
- F LOCATIONS, DEPTHS, MATERIAL TYPES, ELEVATIONS, ETC. OF ALL APPURTENANCES, LINES, BUILDINGS, ETC. INDICATED ON THESE DRAWINGS WERE TAKEN FROM VARIOUS SOURCES, ARE DIAGRAMMATIC ONLY AND ARE SUBJECT TO SUBSTANTIAL VARIATION FROM EXISTING CONDITIONS. EXISTING UTILITIES LOCATIONS MAY VARY. (CONSEQUENTLY ALL CONTRACTORS SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO ENSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE. FOR SAFETY PURPOSES, PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. ALL WORK SHALL BE PERFORMED IN ACCORD WITH ALL FEDERAL, STATE, AND/OR LOCAL RULES, REGULATIONS, STANDARDS AND SAFETY REQUIREMENTS. UTILITIES SHALL ALSO BE INSTALLED IN ACCORD WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY. IF ANY VARIATION OCCURS, CONSULT THE BUILDING ENGINEER AND THE MEP ENGINEER'S REPRESENTATIVE. CONTRACTOR SHALL VISIT SITE AND FIELD VERIFY THE ROUTING OF ALL UTILITIES NEW AND EXISTING PRIOR TO SUBMISSION OF BIDS. SUBMISSION OF A BID PROPOSAL INDICATES THAT THE CONTRACTOR IS FULLY AWARE OF ALL OBSTRUCTIONS AND WILL INSTALL ALL OF THE NEW UTILITIES WITHOUT REQUESTS FOR ANY ADDITIONAL CHANGES.
- G THE LOCATIONS OF UTILITIES SHOWN WITHIN THESE DRAWINGS ARE APPROXIMATE ONLY.
- H THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY EXCAVATION WORK REQUIRED TO LOCATE UNDERGROUND UTILITIES. THE CONTRACTOR IS ALSO REQUIRED TO NOTIFY ANY OTHER AFFECTED UTILITY OWNERS PRIOR TO DIGGING. IN THE EVENT OF ACCIDENTAL INTERRUPTION OF SERVICE, CONTRACTOR WILL IMMEDIATELY NOTIFY THE OTHER UTILITY OWNERS.
- I THE CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD OTHER EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND THE OTHER UTILITIES, THE UTILITY WILL BE REQUIRED TO FURNISH SUCH EQUIPMENT.
- J CONTRACTOR SHALL PAY ALL TAP FEES, UTILITY COSTS, UTILITY CONNECTION COSTS, METER FEES, EXTENSION AND DEVELOPMENT CHARGES. REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- K REATTACH ALL TAPS AND TRANSFORMERS AS TO MAINTAIN EXISTING PHASE CONNECTIONS.
- L CONTRACTOR RESPONSIBLE FOR MAINTAINING DOWNSTREAM SERVICE FROM REMOVED EQUIPMENT ON SITE, INCLUDING BUT NOT LIMITED TO SITE LIGHTING, TRANSFORMERS, ETC.
- M WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL ENSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "PRE-DEMOLITION" WORKING ORDER. "LEFT-OVER" CIRCUIT BREAKERS SHALL REMAIN, BE SWITCHED TO OFF POSITION, AND BE LABELED AS SPARES IN THEIR PANELS. PROVIDE NEW TYPEWRITTEN DIRECTORIES FOR ALL PANELS AFFECTED.
- N REMOVE ALL ASSOCIATED BOXES, CONDUIT AND CONDUCTORS FOR DEVICES/FIXTURES/ETC. BEING REMOVED (BACK TO SOURCE), WHETHER INDICATED OR NOT (UON).
- O COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. (INDICATED FOR DEMOLITION) WITH OWNER. TURN OVER ITEMS REMOVED TO OWNER AT THEIR OPTION.
- P COORDINATE WITH OTHER TRADES FOR THE REMOVAL AND/OR RELOCATION OF ELECTRICAL DEVICES AND CONNECTIONS ASSOCIATED WITH THEIR EQUIPMENT.
- Q WHEN INTERRUPTION OF AN EXISTING UTILITY OR SERVICE IS PLANNED OR OCCURS ACCIDENTALLY, THE CONTRACTOR(S) SHALL WORK CONTINUOUSLY AS NEEDED TO RESTORE SAME PROVIDING PREMIUM TIME AS NEEDED AT NO INCREASE IN THE CONTRACT PRICE.
- R PROVIDE PULL BOXES AND UTILITY MARKERS AS NEEDED FOR UNDERGROUND ELECTRICAL INSTALLATIONS. REFER TO DETAILS ON SHEET UE3.0.

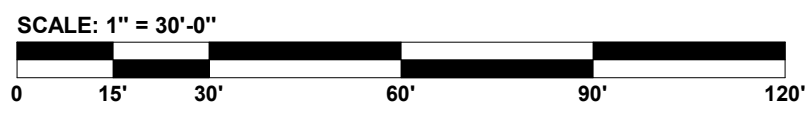
TAGGED NOTES

- E6 CONCRETE BOLLARD WITH INTEGRAL WEATHERPROOF GFI DUPLEX RECEPTACLE ON BOTH SIDES FOR SCHOOL BUS BLOCK HEATERS. BASIS OF DESIGN: UTILITY STRUCTURES INC. E-820 OR APPROVED EQUAL.
- E11 PROVIDE IP CCTV CAMERA ON LIGHT POLE. REFER TO POLE BASE DETAIL FOR MORE INFORMATION. CONNECT UNSWITCHED CONDUCTOR FROM LIGHTING CIRCUIT TO RECEPTACLE IN POLE BASE FOR MEDIA CONVERTER.
- E12 COORDINATE CAMERA WITH CANOPY.
- E16 VEHICLE ACCESS CONTROL GATES, GATE MOTORS, AND GATE CONTROLLER. REFER TO CIVIL DRAWINGS AND SPECIFICATIONS SECTION H1213. PROVIDE 2" CONDUIT AND CABLING CONNECTION BETWEEN GATE CONTROLLER AND REMOTE GATE CONTROL STATION IN BUS GARAGE. SEE NOTE E50 ON SHEET E2.0R1.
- E17 PROVIDE ELECTRICAL CONNECTION TO GATE MOTORS.
- E18 PROVIDE VEHICLE DETECTION INDUCTIVE LOOP IN PAVEMENT FOR EXITING TRAFFIC AND CONNECT TO GATE CONTROLLER. COORDINATE EXACT LOCATION WITH GATE MANUFACTURER'S INSTRUCTIONS.
- E19 THE CONTRACTOR IS TO PROVIDE (2) 4" CONDUITS FROM THE UTILITY POLE TO THE NEW TRANSFORMER LOCATION AS SHOWN. PROVIDE PULL STRINGS IN THE CONDUIT. REFER TO PRIMARY RISER POLE DETAIL AND TYPICAL DUCTBANK DETAIL ON SHEET UE2.0. THE UTILITY WILL UTILIZE THESE CONDUITS TO PROVIDE THEIR PRIMARY CONDUCTORS. COORDINATE ALL WORK WITH THE UTILITY.
- E20 PROVIDE (2) 4" CONDUITS IN A DUCTBANK FOR THE TELECOMMUNICATIONS UTILITY COMPANY TO PULL FIBER TO THE NEW COMMUNICATIONS RACK LOCATION. REFER TO TYPICAL DUCTBANK AND COMMUNICATIONS RISER POLE DETAILS ON SHEET UE2.0. PROVIDE CONDUIT PATH INTO CLOSET AND STUB CONDUIT UP FROM BELOW SLAB TO 4" AFF.
- E21 EXISTING UTILITY POLE TO REMAIN.
- E22 PROVIDE NEW UTILITY POLE. COORDINATE ALL WORK WITH POWER AND TELECOMMUNICATIONS UTILITY COMPANIES.
- E23 PROVIDE NEW GUY WIRE FOR UTILITY POLE. COORDINATE ALL WORK WITH THE UTILITY COMPANY.
- E24 PROVIDE NEW OVERHEAD 3-PHASE UTILITY SERVICE AND OVERHEAD TELECOMMUNICATIONS FIBER AS INDICATED. COORDINATE WITH THE UTILITY COMPANY.
- E25 NEW UTILITY PADMOUNT TRANSFORMER. PROVIDE CONCRETE PAD FOR TRANSFORMER. SEE TRANSFORMER PAD DETAIL. THE CONTRACTOR IS RESPONSIBLE FOR ROUTING PRIMARY AND SECONDARY CONDUITS TO/FROM THE TRANSFORMER AS SHOWN. THE CONTRACTOR IS TO PROVIDE AND TERMINATE THE SECONDARY SIDE CONDUCTORS IN THE TRANSFORMER. COORDINATE ALL WORK WITH UTILITY.
- E26 PROVIDE UTILITY ENERGY CONSUMPTION METER WITH METER BASE, INSTRUIT FRAME FOR MOUNTING, CONCRETE METER PAD, AND ALL NECESSARY CTS, PTS AND CONDUCTORS NEXT TO UTILITY TRANSFORMER. (REFER TO TRANSFORMER PAD DETAIL.) COORDINATE WITH UTILITY COMPANY.
- E27 UNDERGROUND SECONDARY CONDUIT. REFER TO TYPICAL DUCTBANK DETAIL AND ELECTRICAL ONE-LINE DIAGRAM. ROUTE CONDUIT UNDERGROUND FROM UTILITY TRANSFORMER TO PANEL PP1 IN THE BUILDING.
- E28 PROVIDE RECEPTACLE IN LIGHT POLE. REFER TO POLE BASE DETAIL. CONNECT RECEPTACLE TO UNSWITCHED CONDUCTOR OF LIGHTING CIRCUIT.
- E30 PROVIDE WEATHER RESISTANT. REMOTE INTERCOM STATION (AUDIO ONLY, AIRPHONE LE-SSA OR EQUAL). PROVIDE #18 AWG SHIELDED, TWO-CONDUCTOR CABLE IN 1" CONDUIT TO MASTER STATION IN BUS GARAGE. SEE "IM" SYMBOL AND NOTE E61 ON SHEET E2.0R1.
- E31 42" TALL, 12" REACH PEDESTAL. PEDESTAL CEO 42-9C OR EQUIVALENT WITH 12" X 8" HOODED ENCLOSURE. PEDESTAL CEO LANDO-OS/SS-12X8C OR EQUIVALENT. ROUTE ALL CABLING DOWN PEDESTAL. REFER TO GOOSENECK PEDESTAL DETAIL.
- E32 PROVIDE CLICKCENTER SYSTEM FOR EMERGENCY VEHICLE ACCESS AND INTEGRATE TO GATE CONTROLLER (MODEL: CLICKCENTER-1V4). INSTALL PER MANUFACTURER'S INSTRUCTIONS. PROVIDE 120V CIRCUIT FOR CLICKCENTER SYSTEM. PROVIDE NECESSARY #107 RATED 120V/10-24VDC POWER SUPPLY IN CLICKCENTER ENCLOSURE.
- E47 PROVIDE ELECTRICAL CIRCUIT FOR GAS PUMPS. COORDINATE WITH FUELING STATION SUPPLIER.
- E52 PROVIDE VEHICLE DETECTION INDUCTIVE LOOP IN PAVEMENT FOR ENTERING TRAFFIC AND CONNECT TO GATE CONTROLLER. COORDINATE EXACT LOCATION WITH GATE MANUFACTURER'S INSTRUCTIONS.
- E68 CIRCUIT TO PANEL WITH #46, #6 GROUND WITH 20A/3P BREAKER, EACH RECEPTACLE ON A DIFFERENT PHASE.
- E69 CIRCUIT TO PANEL WITH #46, #6 GROUND WITH 20A/3P BREAKER, EACH RECEPTACLE ON A DIFFERENT PHASE.



ELECTRICAL SITE UTILITIES PLAN  
1" = 30'-0"

1  
UE1.0



ELECTRICAL SITE UTILITIES PLAN  
ESTILL CO. BUS GARAGE  
FOR:  
ESTILL COUNTY BOARD OF EDUCATION  
IRVINE, KENTUCKY

M.E.&P. Engineer:  
CMAA, Inc.  
2429 Members Way  
Lexington, Kentucky 40504  
p 859.253.0892  
Structural Engineer:  
Structural Design Group, Inc.  
220 Great Circle Rd., Suite 106  
Nashville, TN 37228  
p 615.255.5537  
Construction Manager:  
Codel Construction Co.  
P.O. Box 17  
Winchester, Kentucky 40392  
p 859.744.2222

Project No: 1837/XEBG18  
Drawn By: DAB  
Rev'd By: DAB

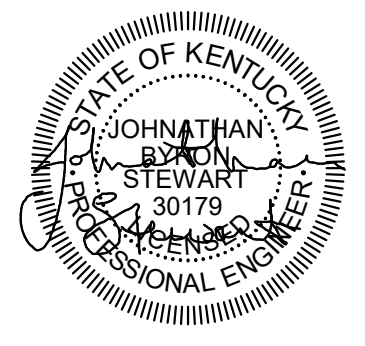
SHEET RELEASE	
1	10/01/19 ADDENDUM 1
2	11/20/20 PR
3	
4	
5	
6	
7	
8	

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CONSTRUCTION DOCUMENTS

UE1.0

ELECTRICAL SITE UTILITIES PLAN

DATE ISSUED:  
SEPTEMBER 26, 2019



rosstant  
architects

101 old clayette avenue leangton, kentucky 40302 p 859.254.4018

**Standafer Builders, Inc.**

1178 West Main Street  
P.O. Box 247  
West Liberty, KY 41472

Phone: 606-743-4435  
Fax: 606-743-7401

**PROPOSED  
CHANGE ORDER**

**No. 9**

**TITLE:** PR 11 Infrared heater relocation

**DATE:** 01/21/2021

**PROJECT:** Estill Co. Bus Garage

**TO:** Attn: Peter Fisher  
RossTarrant Architects  
101 Old Lafayette Avenue  
Lexington, KY 40502  
Phone:859-254-4018 Fax:859-231-5046

**CONTRACT/PO:** RTA 1837 / BG 1

**SUBMITTED:**

**COMPLETED:**

**REQUIRED:**

**DESCRIPTION**

Remove a ten foot section of the steel radiant emitter tube and reflector. Extend gas supply and power receptacle.

Num Item	Description	Ref	Qty Unit	Unit Price	Amount
1			1.000	0.00	0.00
2			1.000	0.00	0.00
3	HVAC-L		1.000	675.00	675.00
4	Electrical-M		1.000	50.00	50.00
5	Electrical-L		1.000	450.00	450.00
6	Electrical Man Lift		1.000	150.00	150.00
7	Pipe		20.000 Ft.	4.00	80.00
8	Hangers		3.000 Each	5.00	15.00
9	All thread		1.000 Each	4.00	4.00
10	Man lift (one day)		8.000 Hrs	55.00	440.00
11	Plumbing labor		8.000 Hrs	33.92	271.36
12	Profit & overhead		2,135.360	0.15	320.30

**Total:** \$2,455.66

**APPROVAL**

By: 

By: \_\_\_\_\_

Date: 1-21-21

Date: \_\_\_\_\_





# Proposal Request

PROJECT NAME: Estill County Bus Garage  
PROJECT NUMBER: 1837  
SUBJECT: Infrared Heater Relocation Proposal in Bus Bay  
DUE DATE:  
ID: PR 11  
SENDER ID:  
INITIATED BY: Dan Higgins  
REASONS:  
DISCIPLINE: Mechanical, Electrical  
STATUS: Open  
COP STATUS: Not Received  
CONTRACT:  
DESCRIPTION: Provide itemized pricing for all material, labor and equipment required for the attachment.

This is not a change order nor a direction to proceed with the work described herein.

## ACTIONS

### Sent

DATE:	1/5/2021	DUE BACK:	--
FROM:	Jonathan Ruiz (RossTarrant Architects)		
RECIPIENTS:	Shelley Lane (Standafer Builders, Inc.)		
REMARKS:	Logging this PR sent to Standafer by CMTA via email.		

Provide itemized pricing for all material, labor and equipment required for the attachment.

This is not a change order nor a direction to proceed with the work described herein.

January 05 2021

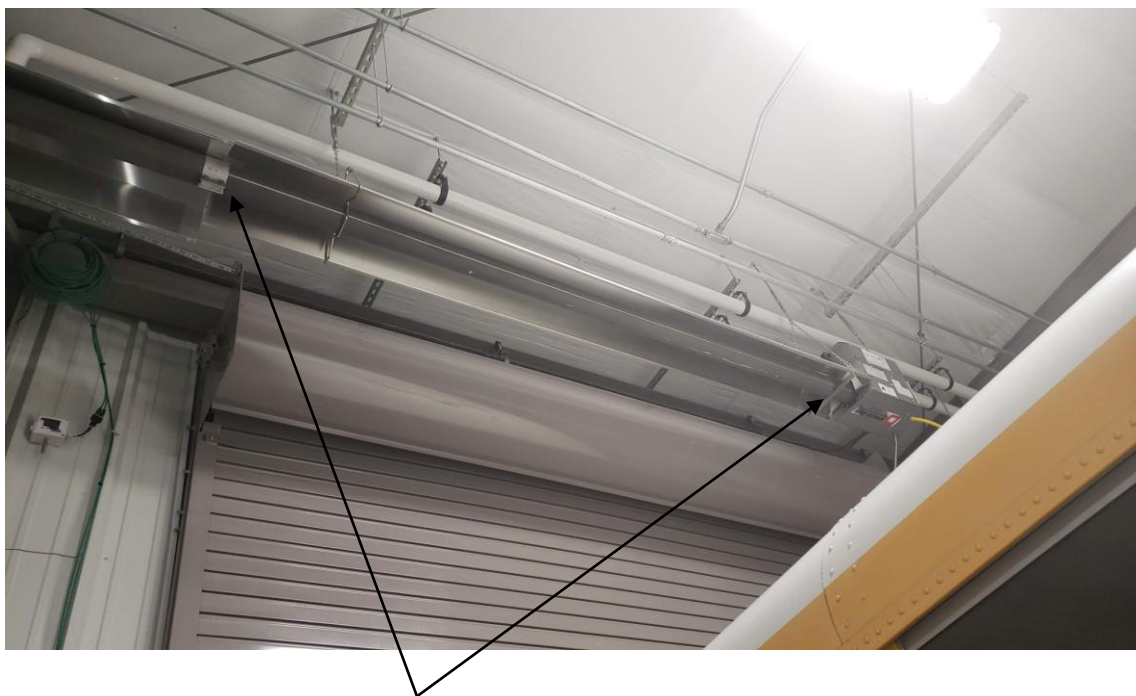
Ross Tarrant Architects  
101 Old Lafayette Avenue  
Lexington Ky. 40502

Attn: Mr. Peter Fisher

Re: **Estill County Bus Garage**  
RTA Project: 1837  
CMTA Project: XEBG18  
General Contractor: Standafer Builders  
**Infrared Heater Proposal: 2021-01-04**

Dear Peter

Please provide pricing to rework and shorten the Infrared heater steel emitter tubes.



Remove a ten foot section of the steel radiant emitter tube and reflector.



Rework and extend the gas controller box, gas pipe supply and the power receptacle serving the controller to the revised control box location. Complete the final terminations of electrical power, thermostat and gas to the relocated gas control box.

### **End of Proposal**

### **Respectfully**

Daniel T Higgins  
Engineering Contract Administrator

Mrs. Carrie Kelty CMTA  
Mr. Josh Johnson CMTA  
Mr. Jason Clemons CMTA  
File: Acad/XEBG18/Files/Reports



# FACPAC Contract Change Order Supplemental Information Form (Ref# 54970)

Form Status: Saved

Tier 1 Project: Estill County Bus Garage

BG Number: 19-340

Status: Active

District: Estill County (161)

Phase: Project Initiation (View Checklist)

Contract: Tom Standafer Builders, Inc., 0001, General Contractor

Type: General Contractor

Proposed

Change Order Number 5  
Time Extension Required No  
Date Of Change Order 5/7/2021  
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	\$125,100.00
Net Approved COs	\$0.00
Remaining After Approved COs	\$125,100.00
Net All COs	\$23,346.91
Remaining After All COs	\$101,753.09

This Requested Change Order Amount\$12,487.11

+/-

Change In A/E Fee This Change Order

+/-

Change In CM Fee This Change Order

+/-

Remaining Construction Contingency \$101,753.09

Balance

Contract Change Requested By Architect/Engineer; Local Board of Education

Contract Change Reason Code Expansion of Scope; Improved Plans/Specs

Change Order Description And Justification

In accordance with PR 09 and Contractor provided prosed pricing with COP 08, Contractor is to revise the canopy lighting electrical work as indicated within revision cloud on attached drawing E2.0.

In accordance with PR 10 and Contractor provided prosed pricing with COP 09, Contractor is to provide re-circuiting for bus power pedestals as indicated within revision cloud on attached drawing UE1.0

In accordance with PR 11 and Contractor provided prosed pricing with COP 10, Contractor is to relocate the bus bay infrared heater.

Cost Benefit To Owner

Contractor provided pricing appears acceptable.

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	\$4,891.36	39.17%
Materials	\$5,967.00	47.79%
Profit and Overhead	\$1,628.75	13.04%
Bond Insurance		0.00%
<b>Cost Breakdown Total:</b>	<b>\$12,487.11</b>	
Cost for this Change Order supported	No	

by an alternate bid or competitive  
price quote  
Explain Why

**Change Order Supplemental Information Form Signature  
Page (Online Form Ref# 54970)**

_____ Architect	_____ Date
_____ Construction Manager	_____ Date
_____ Finance Officer	_____ Date
_____ Local Board of Education Designee	_____ Date