

ADDENDUM No. 1
to
Crook County Courthouse Electrical Upgrade
Request for Proposals

Date: March 15, 2023

Number of Previous Addenda: Zero

Due Date for Proposals: Wednesday, March 22, 2023 at 1 p.m.

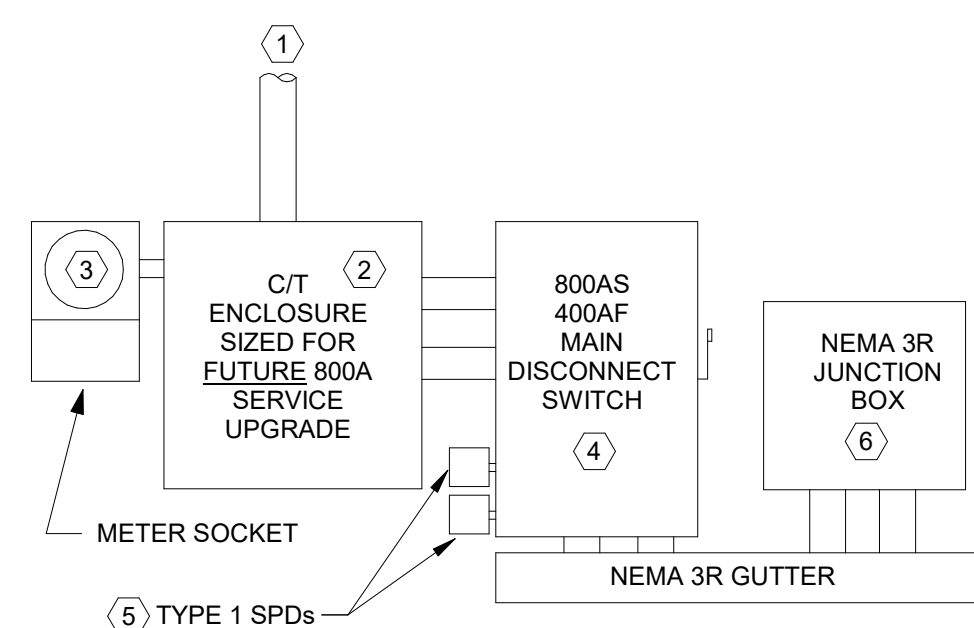
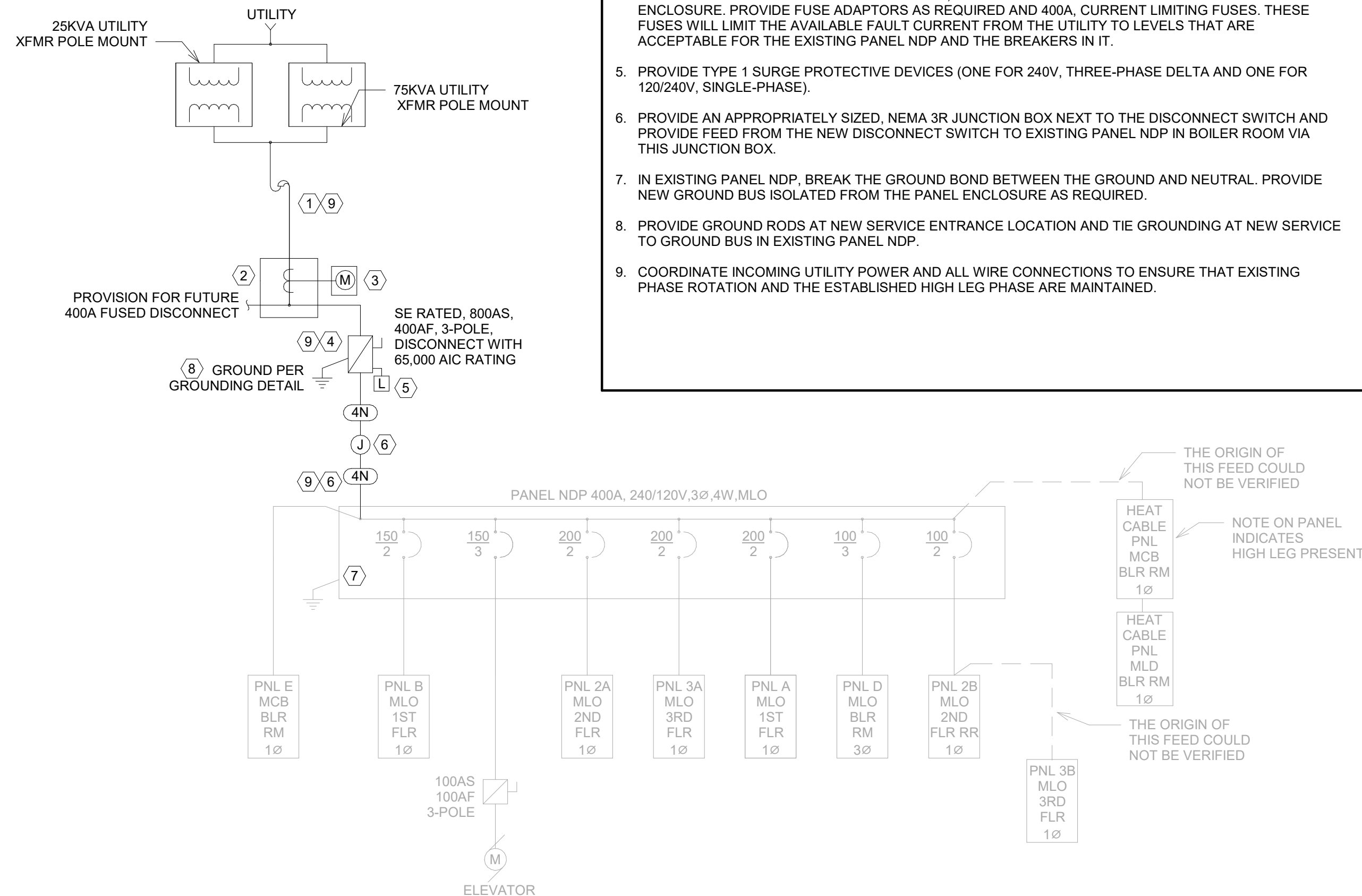
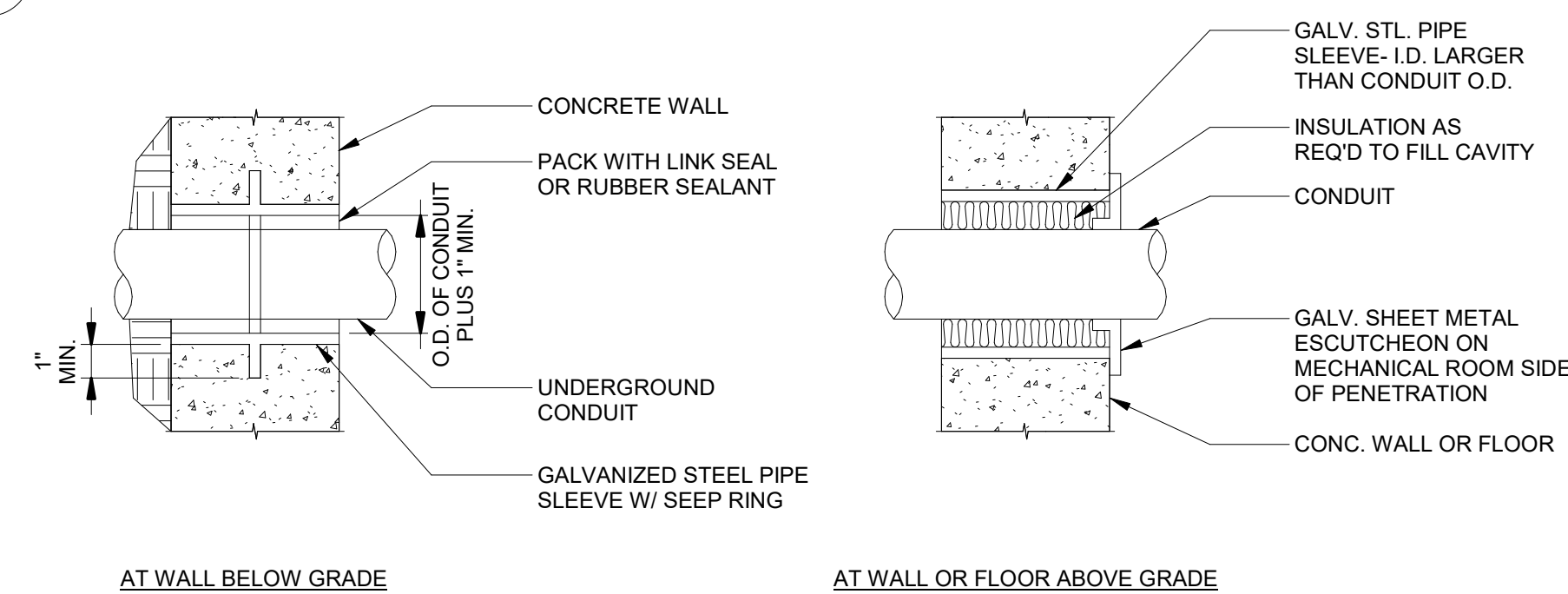
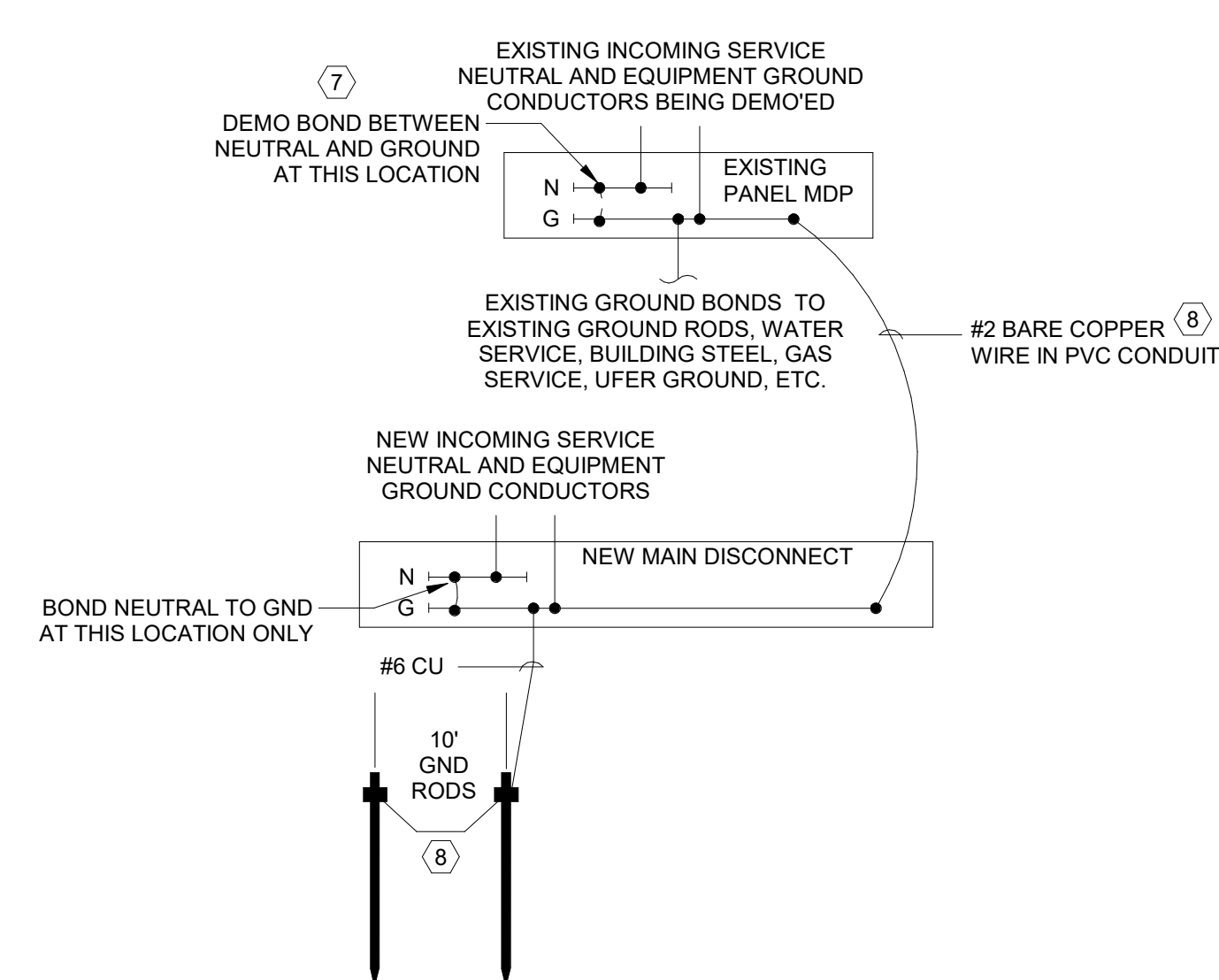
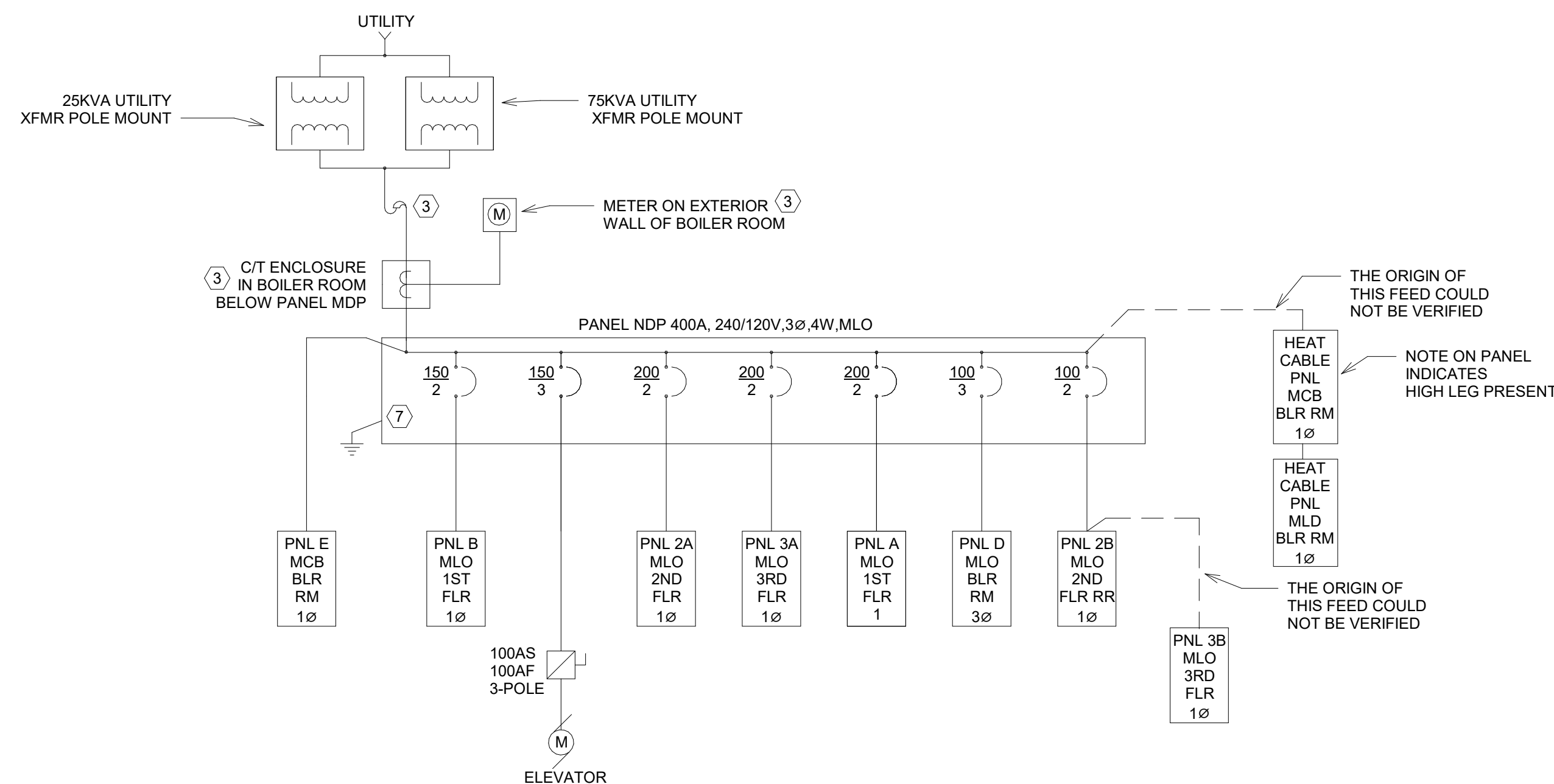
TO ALL PROSPECTIVE BIDDERS:

The following changes, additions, and/or deletions are hereby made a part of the Request for Proposal Documents for the Courthouse Electrical Upgrade project in Crook County, Oregon dated February 28, 2023, as fully and completely as if the same were fully set forth herein.

1. **Revised Sheet E-3** attached, note the following changes:
 - a. Instead of two options, there is now just one configuration for the service.
 - b. Key notes were changed to correspond with the revised service one line diagram.
 - c. The electrical service **will remain an overhead service**, but a new weatherhead will be installed to allow for modifications.
 - d. Relocation of the overhead service drop will need to be coordinated with the electrical utility.
 - e. An exterior junction box will be installed near the new disconnect switch and power will be routed through this to the existing Panel NDP.
2. Contractor to obtain permit. Crook County to reimburse for cost.
3. The existing ADA parking space located at the east side of the electrical/boiler room will be relocated to allow for installation of new electrical gear.

All bidders will acknowledge receipt and acceptance of this Addendum No. 1 in the Proposal or by submitting the Addendum with the bid package.

Proposals submitted without acknowledgement or without this Addendum will be considered nonresponsive.



GENERAL ELECTRICAL NOTES

- A. INFORMATION REGARDING ELECTRICAL EQUIPMENT SHOWN HERE IS BASED ON SITE INVESTIGATION. EC SHALL FIELD-VERIFY EXISTING CONDITIONS, PRIOR TO BID. IF ACTUAL EXISTING CONDITIONS DIFFER FROM THOSE SHOWN ON DRAWINGS, PLEASE NOTIFY ENGINEER.
- B. EC SHALL ENSURE THAT ANY EXISTING DEVICES THAT ARE TO REMAIN, WHOSE CIRCUITING GETS DAMAGED OR DISTURBED DURING THIS WORK SHALL HAVE POWER AND FUNCTION PROPERLY AFTER THE COMPLETION OF THIS PROJECT.
- C. REUSE EXISTING RACEWAY TO THE EXTENT POSSIBLE TO INSURE A CLEAN FINISHED PRODUCT.
- D. THE ELECTRICAL CONTRACTOR (EC) IS RESPONSIBLE FOR ALL CUTTING OF FLOORS, WALLS, CEILINGS, AND ROOFS TO PERFORM THE REQUIRED WORK DEPICTED IN THESE DOCUMENTS. EC IS RESPONSIBLE FOR ALL PATCHING OF HOLES TO THE SATISFACTION OF THE ARCHITECT/ENGINEER.
- E. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ANY EXISTING CONDUIT OR FEEDER CIRCUITS THAT ARE INTENDED TO REMAIN THAT ARE SAW-CUT, OR OTHERWISE DAMAGED, AS PART OF THE DEMOLITION PROCESS. PROVISION FOR THIS WORK SHALL INCLUDE, BUT NOT BE LIMITED TO: ALL NECESSARY CONDUIT AND CONDUCTORS, MOUNTING ACCESSORIES AND LABOR, TO RESTORE THE SYSTEM TO ITS INTENDED FUNCTION.
- F. ALL POWER INTERRUPTIONS SHALL BE COORDINATED WITH OWNER. ANY DISRUPTION OF WORKERS IN THE SPACE SHALL BE KEPT TO A MINIMUM AND BE COORDINATED WITH THE OWNER PRIOR TO WORK COMMENCING.
- G. PRIOR TO BID CONTRACTOR SHALL VISIT THE SITE. NOT ALL WORK REQUIRED TO COMPLETE THE PROJECT IS SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL BECOME THOROUGHLY FAMILIAR WITH ALL CONDITIONS REQUIRED TO COMPLETE THE PROJECT. IN ADDITION TO THE LOCAL CONDITIONS AND INCLUDE SAID WORKING IN THE BID. GENERAL WORK PRACTICES FOR ELECTRICAL CONSTRUCTION SHALL BE IN ACCORDANCE WITH NECA 1, STANDARD PRACTICES FOR GOOD WORKMANSHIP IN ELECTRICAL CONTRACTING.
- I. FIRE RESISTANCE: PROVIDE A UL LISTED THROUGH-PENETRATION FIRESTOP FOR PENETRATIONS OF FIRE-RESISTANCE RATED ASSEMBLIES.
- J. CONDUCTORS ARE SIZED PER THE 75 DEGREE C RATING COLUMN OF NEC TABLE 310.16. IF THE TERMINAL USED FOR A TERMINATION OF A PARTICULAR CONDUCTOR IS NOT MARKED OR THE TERMINAL IS MARKED FOR 90 DEGREE C CONDUCTORS, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EITHER ADJUST THE AMPACITY OF THE CONDUCTOR TO MATCH THE 90 DEGREE COLUMN OF TABLE 310.16, OR REPLACE THE TERMINAL WITH ONE RATED FOR AT LEAST 75 DEGREES C.
- K. BASED ON ACTUAL HOMERUN LENGTHS REQUIRED IN THE FIELD, THE CONTRACTOR SHALL CALCULATE AND INCREASE THE WIRE SIZES AS REQUIRED TO LIMIT BRANCH CIRCUIT VOLTAGE DROP TO 3% PER BRANCH CIRCUIT. THE SIZES SHALL BE IN ACCORDANCE WITH THE FOLLOWING: #10 AWG CU FOR RUNS BETWEEN 20 AND 200 LINEAR FEET, #8 AWG CU FOR RUNS BETWEEN 200 AND 325 LINEAR FEET, AND AS CALCULATED BY THE CONTRACTOR FOR CIRCUITS EXTENDING BEYOND 325 LINEAR FEET. IN ALL CASES WHERE WIRE SIZES INCREASE, THE CONTRACTOR SHALL PROVIDE LARGER CONDUITS AS REQUIRED.
- L. PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH 120V BRANCH CIRCUIT.
- M. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL ELECTRICAL SERVICE WORK WITH UTILITY. OWNER PAYS ALL FEES, CONTRACTOR DOES ALL SCHEDULING AND COORDINATION OF WORK. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS AND SCHEDULES AS MET.
- N. CONFIRM ALL REQUIREMENTS WITH ELECTRICAL UTILITY FOR CONDUITS, ENCLOSURES, AND LOCATIONS PRIOR TO STARTING ROUGH-IN.

FEEDER SCHEDULE - COPPER

SCHEDULE IS BASED ON 75 DEGREE C. COPPER CONDUCTORS IN NEC 310.60 TABLE.

FEEDER NUMBER KEY:
 A = ALUMINUM CONDUCTOR
 N = INCLUDES NEUTRAL CONDUCTOR
 S = SINGLE PHASE

NOTE: GROUNDING CONDUCTOR IS SIZED ACCORDING TO NEC 250.122 TABLE, UNLESS FEEDER NUMBER IS FOLLOWED BY AN ASTERISK (*) INDICATING THAT THE GROUNDING CONDUCTOR IS SIZED ACCORDING TO NEC 250.65 TABLE.

FEEDER NUMBER	AMPS	WIRE QTY PER CONDUIT	75 DEG COPPER				
			SETS IN PARALLEL	CONDUIT	PHASE QTY AND AVG	NEUTRAL AVG	GROUND AVG
4N	400	4W	2	2-1/2"	3#3/0	1#3/0	1#3

FEEDER SCHEDULE - ALUMINUM

SCHEDULE IS BASED ON 75 DEGREE C. ALUMINUM CONDUCTORS IN NEC 310.60 TABLE.							
FEEDER NUMBER KEY: A = ALUMINUM N = INCLUDES NEUTRAL CONDUCTOR S = SINGLE PHASE				NOTE: GROUNDING CONDUCTOR IS SIZED ACCORDING TO NEC 250.122 TABLE, UNLESS FEEDER NUMBER IS FOLLOWED BY AN ASTERISK (*) INDICATING THAT THE GROUNDING CONDUCTOR IS SIZED ACCORDING TO NEC 250.65 TABLE.			
FEEDER NUMBER	AMPS	WIRE QTY PER CONDUIT	SETS IN PARALLEL	75 DEG ALUMINUM			
				CONDUIT	PHASE QTY AND AWG	NEUTRAL AWG	GROUNDED AWG
4N	400	4W	2	3"	3#250	1#250	1#1