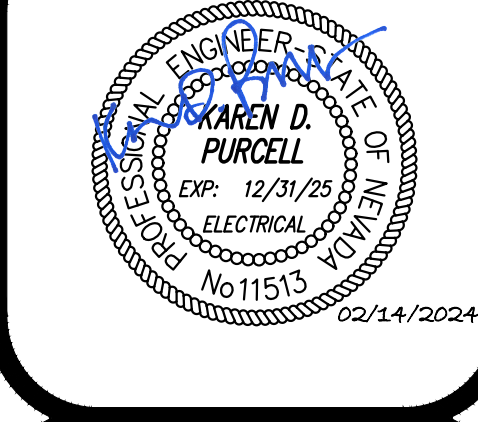






ITEM	DESCRIPTION	ITEM	DESCRIPTION	ITEM	DESCRIPTION		
1.1	<b>PART 1 - GENERAL SUMMARY</b> <ul style="list-style-type: none"><li>THE WORK UNDER THIS DIVISION SHALL CONSIST OF ALL LABOR, MATERIALS, EQUIPMENT, SERVICES AND RELATED ACCESSORIES, ETC. NECESSARY AND REQUIRED TO COMPLETE ALL WORK AS SHOWN OR INFERRED ON THE DRAWINGS AND IN THE SPECIFICATIONS (CONTRACT DOCUMENTS).</li><li>PROVIDE FIXED ELECTRICAL EQUIPMENT, EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE.</li><li>PROVIDE EQUIPMENT AND/OR WIRING NORMALLY FURNISHED OR REQUIRED FOR COMPLETE ELECTRICAL SYSTEMS BUT NOT SPECIFICALLY SPECIFIED ON THE DRAWINGS AND/OR IN SPECIFICATIONS, AS THOUGH SPECIFIED BY BOTH.</li><li>ALL EQUIPMENT AND WIRING SHALL BE NEW EXCEPT WHERE SPECIFICALLY SHOWN OR SPECIFIED OTHERWISE.</li></ul>	1.1	<b>SUBSTITUTIONS</b> <p>PROPOSED SUBSTITUTIONS SHALL BE EQUAL OR SUPERIOR TO SPECIFIED ITEMS IN ALL RESPECTS. DETERMINATION OF EQUALITY RESTS SOLELY WITH ENGINEER. SUBSTITUTIONS MUST BE SUBMITTED A MINIMUM OF 10 WORKING DAYS PRIOR TO BID FOR CONSIDERATION. PROPOSED SUBSTITUTIONS PROVIDED LATER WILL NOT BE REVIEWED OR ALLOWED. BID SUBSTITUTED MATERIAL WILL ONLY BE ALLOWED IF ACCEPTED IN WRITING BY ENGINEER.</p> <b>EXAMINATION OF SITE AND EXISTING CONDITIONS</b> <p>BEFORE SUBMITTING A PROPOSAL, CONTRACTOR SHALL EXAMINE THE SITE AND FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS AND LIMITATIONS. NO EXTRAS WILL BE ALLOWED BECAUSE OF THE CONTRACTOR'S MISUNDERSTANDING OF THE AMOUNT OF WORK INVOLVED OR HIS LACK OF KNOWLEDGE OF THE SITE CONDITIONS WHICH MAY AFFECT HIS WORK. ANY APPARENT VARIANCE OF THE DRAWINGS OR SPECIFICATIONS FROM THE EXISTING CONDITIONS AT THE SITE SHALL BE CALLED TO ATTENTION OF THE ENGINEER BEFORE SUBMITTING A PROPOSAL.</p> <b>EXISTING OUTLETS</b> <p>EXISTING OUTLETS AND CIRCUITS NOT IN CONFLICT WITH NEW CONDITIONS SHALL REMAIN. EXTEND OUTLETS TO NEW SURFACES, GAULK AND REMOVE JUMBO PLATES AS REQUIRED TO PRESENT A SERVICEABLE AND FINISHED APPEARANCE.</p> <b>EXISTING SWITCHGEAR</b> <p>REUSE EXISTING SWITCHGEAR AND PANELS IN PLACE WHERE SO INDICATED. MODIFY AS REQUIRED TO ACCOMMODATE NEW WORK. PROVIDE NEW CIRCUIT BREAKERS AND/OR FUSES AS REQUIRED. PATCH IN AC RATING. REARRANGE EXISTING CIRCUITS WITHIN PANELS TO AGREE WITH NEW PANEL SCHEDULES. TRACE AND IDENTIFY ALL EXISTING CIRCUITS ON NEW RECORD PANEL SCHEDULES.</p> <b>EXISTING PANELBOARDS</b> <ul style="list-style-type: none"><li>RING OUT CIRCUITS IN EXISTING PANELS. WHERE ADDITIONAL CIRCUITS ARE NEEDED REUSE CIRCUITS AVAILABLE FOR REUSE. INSTALL NEW BREAKERS AS INDICATED ON DRAWINGS. MATCH AUSE RATINGS.</li><li>NO INJURED CIRCUITS AS SPARE.</li><li>WHERE EXISTING CIRCUITS ARE INDICATED TO BE REUSED, USE SENSING MEASURING DEVICES TO VERIFY THAT CIRCUITS FEEDING PROJECT AREA ARE NOT IN USE OR OVERLOADED.</li><li>REMOVE EXISTING WIRE NO LONGER IN USE FROM PANEL TO EQUIPMENT.</li><li>PROVIDE NEW UPDATED TYPED DIRECTORIES.</li></ul>	3.2	<ul style="list-style-type: none"><li>IN ADDITION TO THE MATERIALS SPECIFIED ELSEWHERE, FURNISH AND INSTALL ALL OTHER MISCELLANEOUS ITEMS NECESSARY FOR THE COMPLETION OF THE WORK TO THE EXTENT THAT ALL SYSTEMS ARE COMPLETE AND OPERATIVE.</li><li>ALL WORK UNDER THIS SECTION SHALL BE PERFORMED IN COOPERATION WITH THE WORK PERFORMED UNDER ALL OTHER SECTIONS OF THE SPECIFICATIONS FOR THE PROJECT IN ORDER TO AVOID INTERFERENCE WITH OTHER WORK AND TO SECURE THE PROPER INSTALLATION OF ALL WORK. REFER THE DRAWINGS AND SPECIFICATIONS COVERING THE WORK TO BE PERFORMED UNDER ALL SECTIONS, SO THAT THE RELATION AND EXTENT OF THE WORK OF THIS SECTION WITH RESPECT TO THE WORK OF ALL OTHER SECTIONS IS UNDERSTOOD. SAVE RIGHT OF WAY TO RACENWAYS AND PIPING SYSTEMS INSTALLED AT A REQUIRED SLOPE.</li><li>CONDUIT SYSTEMS MUST BE COMPLETE PRIOR TO INSTALLATION OF WIRING.</li></ul> <b>CHANGE ORDERS</b> <ul style="list-style-type: none"><li>ADDITIONAL WORK MAY BE REQUIRED ON THE PROJECT WHICH IS OUTSIDE THE SCOPE OF THE CONTRACT. SUCH ADDITIONAL WORK WILL BE DESCRIBED IN SUPPLEMENTAL INSTRUCTIONS AND/OR CLARIFICATIONS, TO BE ESTIMATED AND PRICED BY THE CONTRACTOR, AND AGREED UPON BY THE OWNER. PRIOR TO COMMENCING WORK, PROPOSALS SHALL INCLUDE A LIST OF QUANTITIES OF ALL MATERIAL BEING USED WITH UNIT COSTS BROKEN DOWN INTO MATERIAL AND LABOR COSTS PER UNIT. CONTRACTOR SHALL PROVIDE ACTUAL EQUIPMENT QUOTES WHEN REQUESTED BY ENGINEER.</li><li>MATERIAL COSTS AND LABOR UNITS SHALL NOT EXCEED THE LATEST EDITION OF RS MEANS ELECTRICAL COST DATA.</li></ul> <b>GUARANTEE</b> <ul style="list-style-type: none"><li>FURNISH THE OWNER A WRITTEN GUARANTEE, STATING THAT IF THE WORKMANSHIP AND/OR MATERIAL EXECUTED UNDER THIS DIVISION IS PROVEN DEFECTIVE WITHIN (1) YEAR AFTER THE FINAL ACCEPTANCE BY THE OWNER, SUCH DEFECTS AND OTHER WORK MANAGED WILL BE REPAIRED AND/OR REPLACED, SUBJECT WITH OPERATION AND MAINTENANCE MANUALS.</li><li>OBTAIN FROM THE VARIOUS MANUFACTURERS OF MANUFACTURED GUARANTEES FOR THEIR PARTICULAR EQUIPMENT OR COMPONENTS, AND DELIVER THEM TO THE OWNER. ALL GUARANTEES AND WARRANTIES PROVIDED SHALL BE REFERENCED TO THIS PROJECT.</li><li>IN EVENT THAT SYSTEMS ARE PLACED IN OPERATION IN SEVERAL PHASES AT THE OWNER'S REQUEST, GUARANTEE WILL BEGIN ON DATE EACH SYSTEM OR ITEM OF EQUIPMENT IS ACCEPTED FOR SERVICE BY THE OWNER. PROVIDE O&amp;M MANUALS FOR ALL EQUIPMENT WHEN EQUIPMENT IS ACCEPTED FOR SERVICE BY THE OWNER.</li><li>ALL GUARANTEES AND WARRANTIES SHALL INCLUDE LABOR AND MATERIAL AT THE SITE OF INSTALLATION FOR THE DURATION OF THE GUARANTEE PERIOD.</li></ul> <b>OBSERVATIONS OF WORK AND DEMONSTRATION OF OPERATION (ACCEPTANCE)</b> <ul style="list-style-type: none"><li>AT ALL OBSERVATIONS OF WORK, OPEN PANEL COVERS, JUNCTION BOX COVERS, FULL BOX AND JUNCTION COVERS, AND OTHER EQUIPMENT WITH REMOVABLE PLATES FOR OBSERVATION AS REQUESTED BY AHO OR ENGINEER. PROVIDE SUFFICIENT PERSONNEL TO EXPEDITE COVER REMOVAL AND REPLACEMENT.</li><li>CONTRACTOR TO DEMONSTRATE OPERATION OF NEW EQUIPMENT AND/OR SYSTEMS TO SATISFACTION OF OWNER/ENGINEER. CONTRACTOR TO HAVE MANUFACTURER AVAILABLE FOR DEMONSTRATION OF EQUIPMENT AND/OR SYSTEMS WHERE REQUESTED BY OWNER/ENGINEER. FURNISH AFFIDAVIT SIGNED BY OWNER'S REPRESENTATIVE INDICATING THAT DEMONSTRATION OF OPERATION HAS BEEN PERFORMED.</li></ul> <b>COOPERATION</b> <ul style="list-style-type: none"><li>CAREFULLY COORDINATE WORK WITH OTHER CONTRACTORS AND SUBCONTRACTORS. REFER CONFLICTS BETWEEN TRADES TO ENGINEER. PROVIDE NECESSARY INFORMATION TO OTHER TRADES FOR SUCH COORDINATION. SUCH INFORMATION SHALL INCLUDE SHOP DRAWINGS, PREPARED DATA, AND/OR ARCHITECT/ENGINEER'S RECOMMENDATIONS.</li><li>ERECTION/COORDINATION DRAWING SHOWING ELECTRICAL, HVAC, PLUMBING AND ARCHITECTURAL FOR INSTALLATION IN CONGESTED AREAS, WHEN REQUESTED.</li><li>WHENEVER SUCH INFORMATION IS NOT PROVIDED IN A TIMELY MANNER OR WHENEVER SUCH INFORMATION IS INCORRECT, THIS CONTRACTOR SHALL BEAR ALL COSTS FOR PROVIDING OR CORRECTING SUCH INFORMATION. UNRELATED TRADES WITH NO CHANGE TO THE CONTRACT PRICE OR CONSTRUCTION SCHEDULE.</li><li>WORK TO BE INSTALLED AS PROGRESS OF PROJECT WILL ALLOW SCHEDULE OF WORK DETERMINED BY GENERAL CONTRACTOR, OWNER, AND/OR ARCHITECT/ENGINEER.</li></ul> <b>COORDINATION OF UTILITY SERVICES</b> <ul style="list-style-type: none"><li>DRAWINGS INDICATE PROPOSED SERVICE LAYOUTS. THE CONTRACTOR SHALL PROVIDE ALL CONCRETE STRUCKS, PULLBOXES, VAULTS, TRENCHING, RACENWAYS, PROTECTIVE BOLLARDS, ETC., AS REQUIRED PER NV ENERGY STANDARDS (ELECTRICAL UTILITY), AT&amp;T (TELEPHONE COMPANY) AND CHARTER (CATV UTILITY) STANDARDS.</li><li>CONTRACTOR IS RESPONSIBLE FOR SUBMITTING PROJECT DRAWINGS, APPLICATION, AND EQUIPMENT SHOP DRAWINGS TO THE UTILITY. UTILITY FEES TO BE PAID BY PROJECT OWNER.</li></ul> <b>HVAC CONTROL WIRING</b> <ul style="list-style-type: none"><li>CONDUCT INCLUDING LOW VOLTAGE AND LINE VOLTAGE INTERLOCK WIRING WILL BE FURNISHED AND INSTALLED UNDER DIVISION 23, EXCEPT WHERE SPECIFICALLY SHOWN OTHERWISE. CAREFULLY COORDINATE POWER AND CONTROL WIRING INTERFACE.</li><li>THIS CONTRACTOR SHALL OBTAIN FROM DIVISION 23, ALL WIRING DIAGRAMS ASSOCIATED WITH THE HVAC WORK AND FURNISH ALL POWER AND LOW VOLT CONTROL WIRING, DISCONNECTS AND STARTERS FOR ALL AIR HANDLING UNITS. CONTRACTOR SHALL PROVIDE THE FOLLOWING: CONTRACTOR SHALL INCLUDE IN HIS BID CONNECTIONS, DISCONNECTS AND CIRCUITING FOR ALL ADDED AND RELOCATED EQUIPMENT AS DIRECTED BY THE TEMPERATURE CONTROLS CONTRACTOR EVEN IF IT IS NOT SHOWN ON THE BID DOCUMENTS. ALL WIRING AND CONDUIT ASSOCIATED WITH THE HVAC TEMPERATURE CONTROL SYSTEM IS INCLUDED UNDER DIVISION 23. WIRING AND CONDUIT SHALL COMPLY WITH DIVISION 26. ALL ELECTRICAL WORK ASSOCIATED WITH THE HVAC SYSTEM SHALL BE DONE UNDER THE SUPERVISION OF DIVISION 23.</li></ul> <b>STARTERS</b> <p>SEPARATELY MOUNTED STARTERS ARE FURNISHED AND INSTALLED UNDER DIVISION 26 UNLESS SPECIFICALLY SHOWN OTHERWISE. ALL POWER WIRING, FUSES, THERMAL OVERLOADS, AND DISCONNECT SWITCHES AND CONNECTION OF ALL MOTORS IS UNDER THIS DIVISION. PROVIDE THE POWER WIRING AND THERMAL OVERLOADS AS RECOMMENDED BY THE MANUFACTURER OF THE EQUIPMENT.</p> <b>DELIVERY, STORAGE AND HANDLING</b> <ul style="list-style-type: none"><li>DELIVER EQUIPMENT AND MATERIALS TO JOB SITE IN ORIGINAL, UNOPENED, LABELED CONTAINER. PRODUCTS SHALL BE PROPERLY IDENTIFIED WITH NAMES, MODEL NUMBERS, TYPES, GRADES, COORDINATION LABELING INFORMATION NEEDED FOR IDENTIFICATION. STORE TO PREVENT DAMAGE AND INJURY. STORE MATERIALS TO PREVENT CORROSION. STORE FINISHED MATERIALS AND EQUIPMENT TO PREVENT STAINING AND DISCOLORING. STORE MATERIALS AFFECTED BY CONDENSATION IN WARM DRY AREAS. PROVIDE HEATERS. CONTRACTOR SHALL VERIFY THE AVAILABILITY OF ON SITE STORAGE SPACE. IF NO ON SITE STORAGE SPACE IS AVAILABLE THEN THE CONTRACTOR SHALL COVER THE COST FOR OFF SITE STORAGE. MATERIALS STORED AT THE PROJECT SITE THAT BECOMES SOILED WITH CONSTRUCTION DIRT, CONCRETE, OR MOISTURE SHALL BE REMOVED FROM THE SITE AND REPLACED WITH NEW. DO NOT INSTALL SOILED MATERIAL.</li><li>INSTALL EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. CONFLICTS BETWEEN CONTRACT DOCUMENTS AND THESE RECOMMENDATIONS SHALL BE REFERRED TO ENGINEER FOR REMEDY.</li><li>ELECTRICAL OR ELECTRONIC EQUIPMENT THAT HAS BEEN DAMAGED, EXPOSED TO WEATHER OR IS, IN THE OPINION OF THE ENGINEER OR ARCHITECT, OTHERWISE UNSUITABLE BECAUSE OF IMPROPER FABRICATION, STORAGE OR INSTALLATION SHALL BE REMOVED AND REPLACED BY THIS CONTRACTOR AT HIS EXPENSE.</li></ul> <b>ANCHORS</b> <ul style="list-style-type: none"><li>PROVIDE ANCHORS FOR ALL EQUIPMENT, RACENWAYS, HANGERS, ETC. TO SAFELY SUPPORT WEIGHT OF ITEM INVOLVED PLUS 100% FOR DEAD LOADS. LIVE LOADS SHALL BE CONSIDERED IN ADDITION TO DEAD LOADS.</li><li>ANCHORS TO CONSIST OF EXPANSION TYPE DEVICES SIMILAR TO "REDHEAD" OR LEAD EXPANSION ANCHORS. PLASTIC ANCHORS ARE NOT ACCEPTABLE.</li><li>USE PRESET ANCHOR STEEL INSERTS IN CONCRETE SLABS. PROVIDE PRESET ANCHOR SIZE AND TYPE FOR REINFORCATED OR SPECIFIED ROD/BOLT SIZE AND LIVE/DEAD LOAD.</li></ul> <b>HOUSEKEEPING PADS</b> <p>FURNISH 2500 # CONCRETE PADS, 4' HIGH (INTERIOR LOCATIONS) OR 6' HIGH (EXTERIOR LOCATIONS) UNLESS OTHERWISE NOTED. FOR ALL FREESTANDING EQUIPMENT, I.E. SWITCHBOARDS, PANELS, CONTROL PANELS, MOTOR CONTROL CENTERS, TRANSFORMERS, ETC. PADS SHALL HAVE 1" X 48" CHAMFERED EDGES, AND SHALL EXTEND 2' TO 4' BEYOND EQUIPMENT MOUNTINGS. CLEAN AND PAINTING.</p> <b>CLEAN EQUIPMENT</b> <p>FURNISHED IN THIS DIVISION AFTER COMPLETION OF WORK. CLEAN WIFE THE INTERIOR OF ALL CONDUIT, PULLBOXES, JUNCTION BOXES, OUTLET BOXES, AND PANELBOARD BACKBOXES SOILED WITH DIRT AND DEBRIS PRIOR TO INSTALLATION OF WIRING. TOUCH-UP OR RE-PAINT DAMAGED PAINTED FINISHES AS DETERMINED BY THE ENGINEER.</p> <b>RECORD DRAWINGS</b> <ul style="list-style-type: none"><li>CONTRACTOR SHALL PROVIDE, PRIOR TO FINAL ACCEPTANCE AND OBSERVATION, ONE-SET OF REVISED RECORD ELECTRICAL CONSTRUCTION DOCUMENTS ON REPRODUCIBLE MEDIUM. ALSO INCLUDE THE FOLLOWING INFORMATION:<ul style="list-style-type: none"><li>EXACT LOCATION OF ALL CONDUITS LARGER THAN ONE INCH.</li><li>EXACT ROUTING OF ALL SERVICE GROUNDING/ BONDING CONNECTIONS.</li><li>CONTRACTORS AND TELEPHONE NUMBER OF THE PERSONS TO BE CONTACTED FOR RECORD NOTATIONS SHALL BE CLEARLY DRAWN AT A DRAFTING APPEARANCE EQUAL TO THE ORIGINAL DRAWINGS. CONTRACTOR SHALL ALSO PROVIDE ALL OPERATING AND MAINTENANCE MANUALS PRIOR TO FINAL PAYMENT.</li></ul></li></ul>	3.15	<b>ELECTRICAL SYSTEM TESTING</b> <p>PRIOR TO PLACING IN SERVICES, ALL ELECTRICAL SYSTEMS SHALL BE TESTED FOR OPENS, GROUNDS, AND PHASE ROTATION. THE MAIN SERVICE GROUND AND ALL LOCAL TRANSFORMER MADE GROUNDS SHALL BE MEASUR-TESTED. PROVIDE GFI TESTING FOR SERVICE SWITCHBOARD. THE CONTRACTOR SHALL PROVIDE THE SERVICES OF AN INDEPENDENT TESTING FIRM DEEMED BY THE OWNER AS QUALIFIED TO PERFORM INTERNATIONAL ELECTRICAL TESTING ASSOCIATION TESTING. TESTING SERVICES SHALL BE PAID FOR AND COORDINATED BY THE CONTRACTOR. NETA TESTING PROCEDURES AND REQUIREMENTS FOR TESTED VALUES SHALL BE IN ACCORDANCE WITH THE MOST CURRENT EDITION OF THE NETA ACCEPTANCE TESTING SPECIFICATIONS. ANY DEFICIENCIES OR FAILURES DISCOVERED DURING THE NETA TESTING PROCEDURES SHALL BE PROMPTLY CORRECTED BY THE ENSURING TIMELY COMPLETION OF THE PROJECT AND TO MINIMIZE THE TIME REQUIRED FOR THE INDEPENDENT TESTING FIRM TO COMPLETE THEIR WORK. TESTING REQUIREMENTS SHALL BE AS FOLLOWS:</p> <ul style="list-style-type: none"><li>GROUNDING SYSTEM</li><li>GROUND FAULT PROTECTION</li><li>CIRCUIT BREAKERS (OVER 100A)</li><li>LOW VOLTAGE FEEDERS (UP TO 600 VOLTS) SERVING LOADS OF 100 AMPS OR GREATER</li><li>MAIN SWITCHBOARD; DISTRIBUTION BOARDS; BRANCH CIRCUIT PANELS</li><li>LIGHTING CONTROL SYSTEMS</li><li>FIRE ALARM SYSTEM</li></ul> <b>IDENTIFICATION</b> <ul style="list-style-type: none"><li>PROVIDE ENGRAVED NAMEPLATES FOR ALL SWITCHBOARDS, PANELS, TRANSFORMERS, DISCONNECTS, MOTOR STARTERS, CONTACTORS, TIME SWITCHES AND CABINETS. NAMEPLATES SHALL BE WHITE LETTERS ON BLACK FOR NORMAL EQUIPMENT AND WHITE LETTERS ON RED FOR EMERGENCY EQUIPMENT. NAMEPLATES SHALL INCLUDE THE FOLLOWING INFORMATION AS APPLICABLE:<ul style="list-style-type: none"><li>DESIGNATION (I.E. PANEL A); FUNCTION (I.E. AIR HANDLER AH-1); VOLTAGE, PHASE, WIRE (I.E. 480 VOLT, 3 PHASE, 4W); FEEDER SIZE (I.E. 4-4/40 THIN CU IN 2" C); SOURCE (I.E. SWITCHBOARDS M5B).</li></ul></li><li>JUNCTION PULL AND CONNECTION BOXES: IDENTIFICATION OF SYSTEMS AND CIRCUITS SHALL INDICATE SYSTEM VOLTAGE AND CONTAINED CIRCUITS ON OUTSIDE OF BOX COVER. USE SELF-ADHESIVE MARKING TAPE LABELS AT EXPOSED LOCATIONS AND INDELEIBLE BLACK MARKER. ANY BOXES SHALL HAVE ALARM BOXES SHALL HAVE COVERS PAINTED RED. ALL TEMPERATURE CONTROL BOXES SHALL HAVE COVERS PAINTED BLUE.</li><li>BRANCH CIRCUIT CONDUCTORS SHALL BE IDENTIFIED IN EACH JUNCTION BOX AND PULL BOX WITH WIRE MARKERS AS MANUFACTURED BY T&amp;B, PANDUIT, 3M, OR</li></ul>

[illegible]

**E0.2**

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DATE: FEBRUARY 2024  
 DRAWN BY: DJD  
 DESIGNED BY: DH  
 CHECKED BY: KDP  
 JOB NO.: 24004













- ## RTU LEGEND

# REMOTE TERMINAL UNIT - BLOCK DIAGRAM

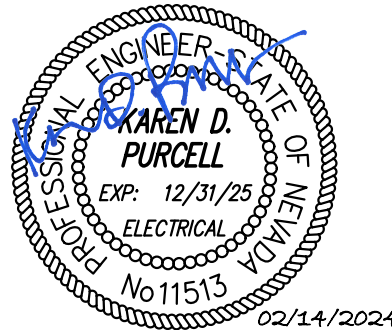
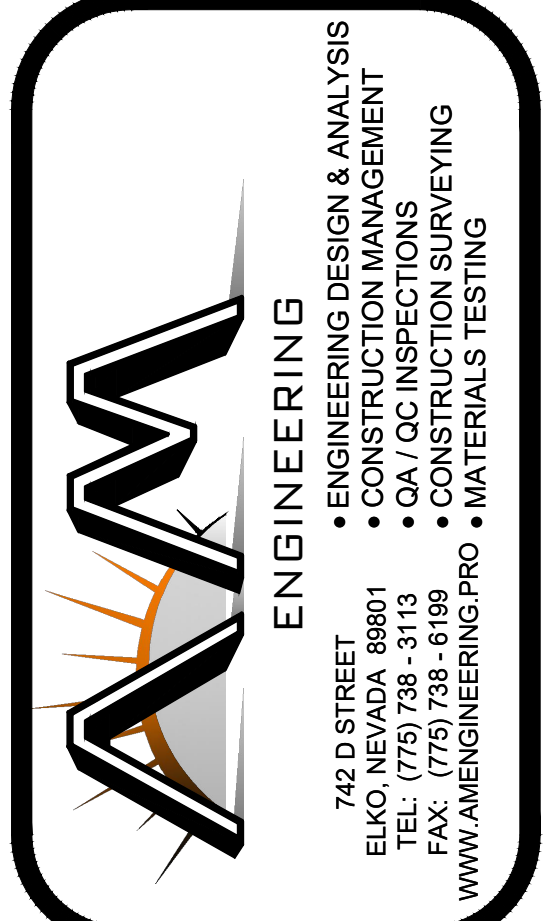


- # B E0.5 EXT. LIGHTING CONTROL DIAGRAM SCALE: NONE

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# E0.5

DATE: FEBRUARY 2024  
DRAWN BY: DJD  
DESIGNED BY: DH  
CHECKED BY: KDP  
JOB NO.: 24004



CITY OF ELKO  
ELKO MOUNTAIN  
BOOSTER PUMP STATION  
DETAILS

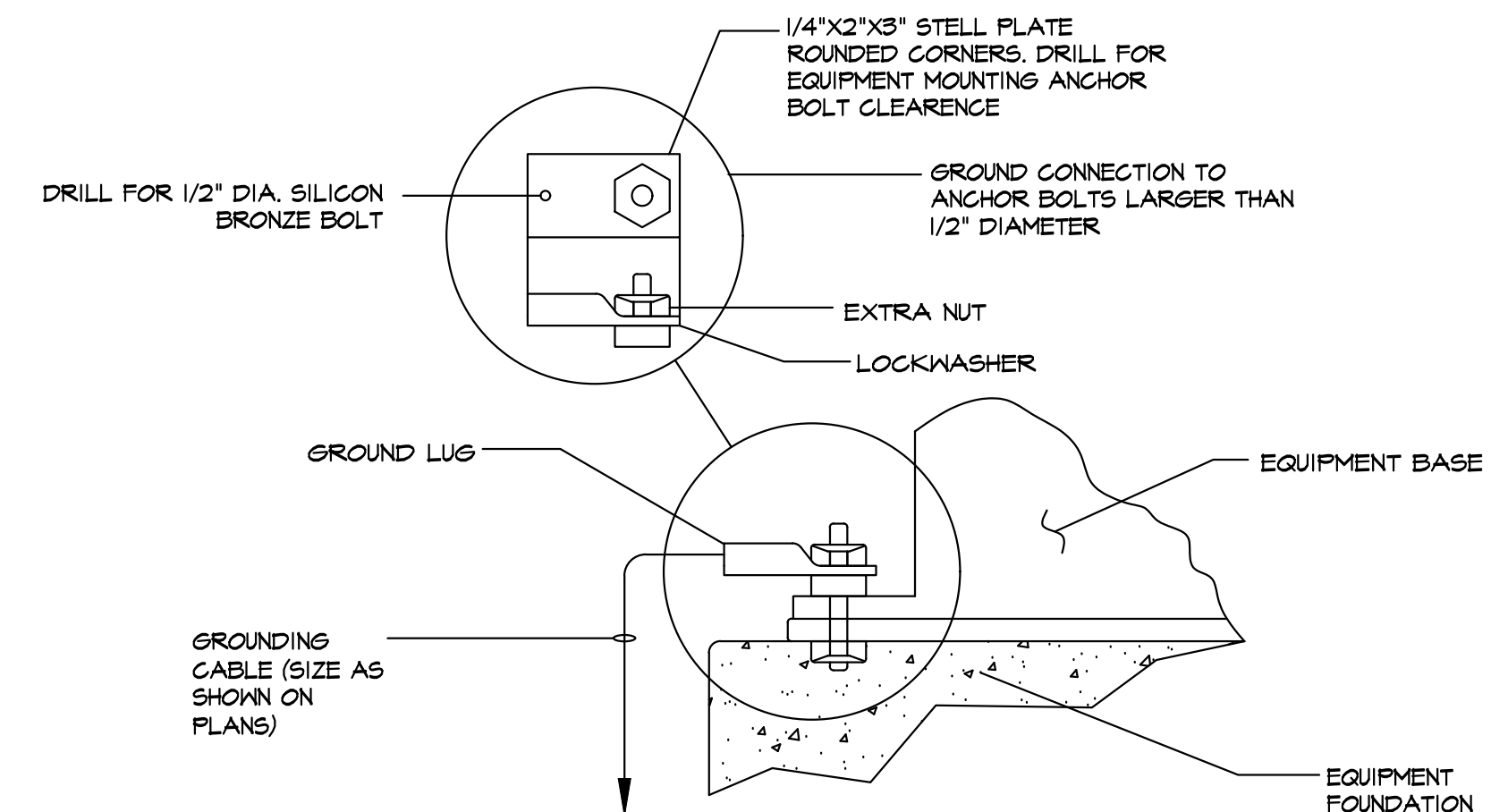
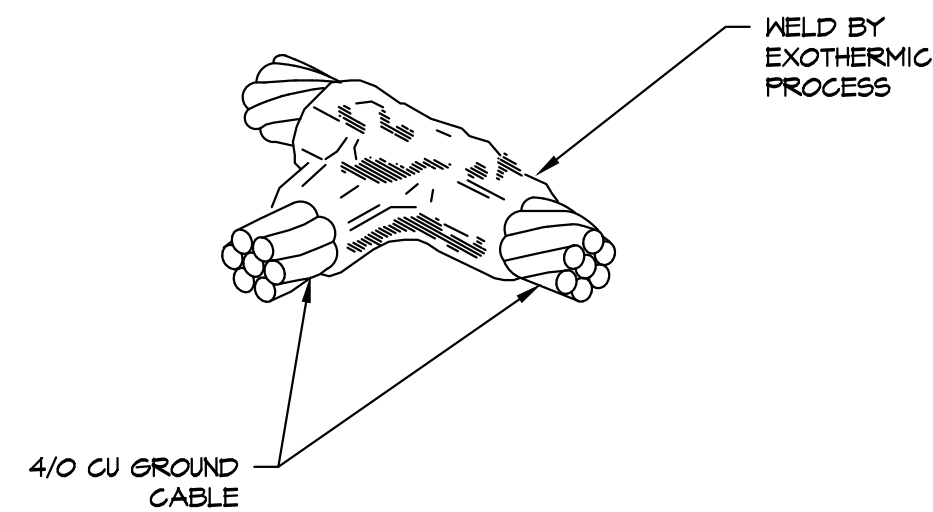
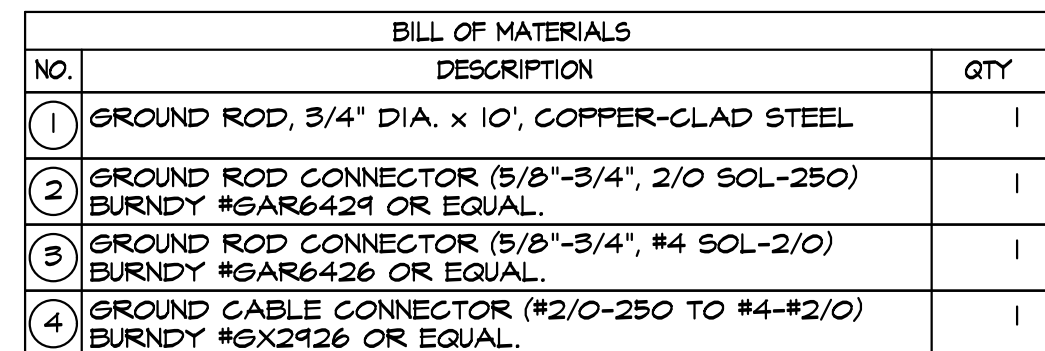


# PK Electrical, Inc.

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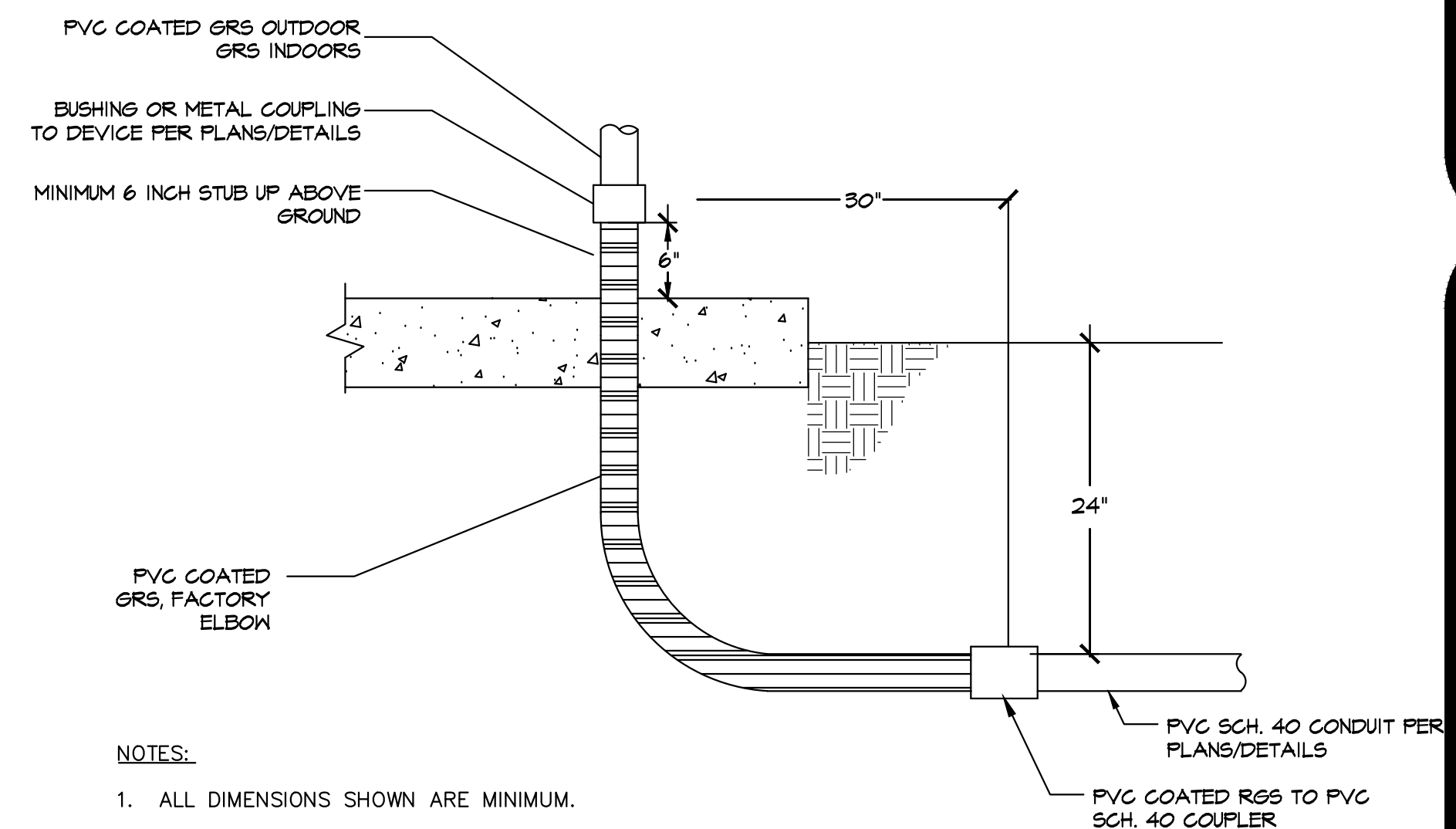
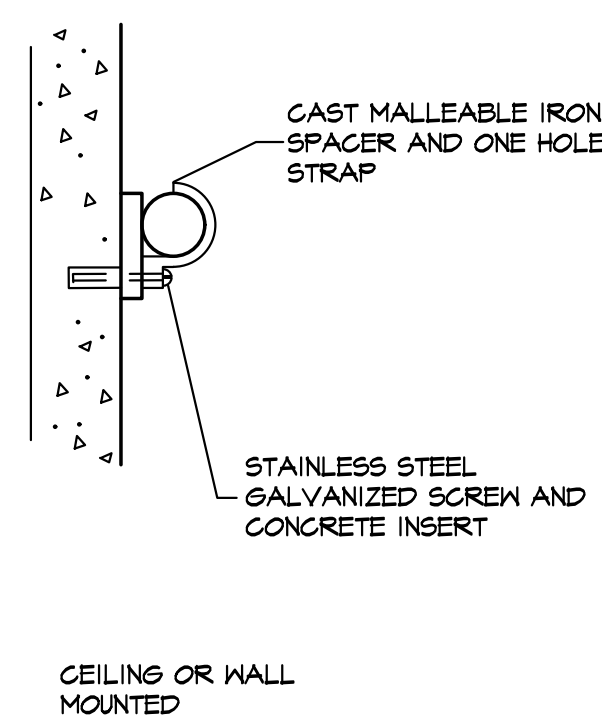
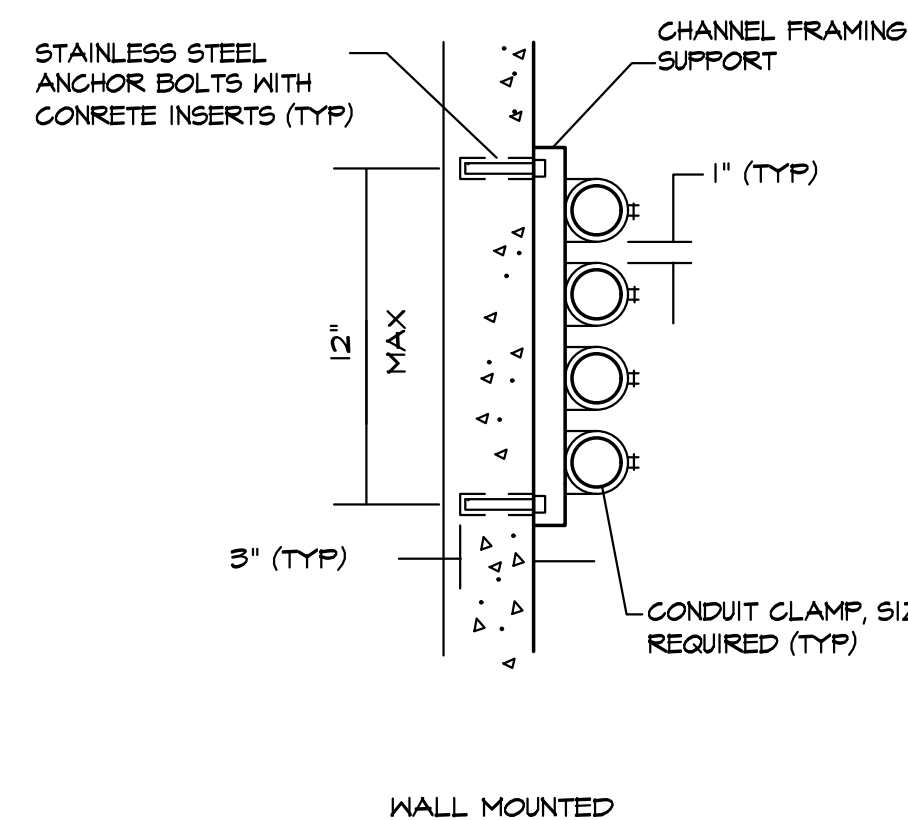
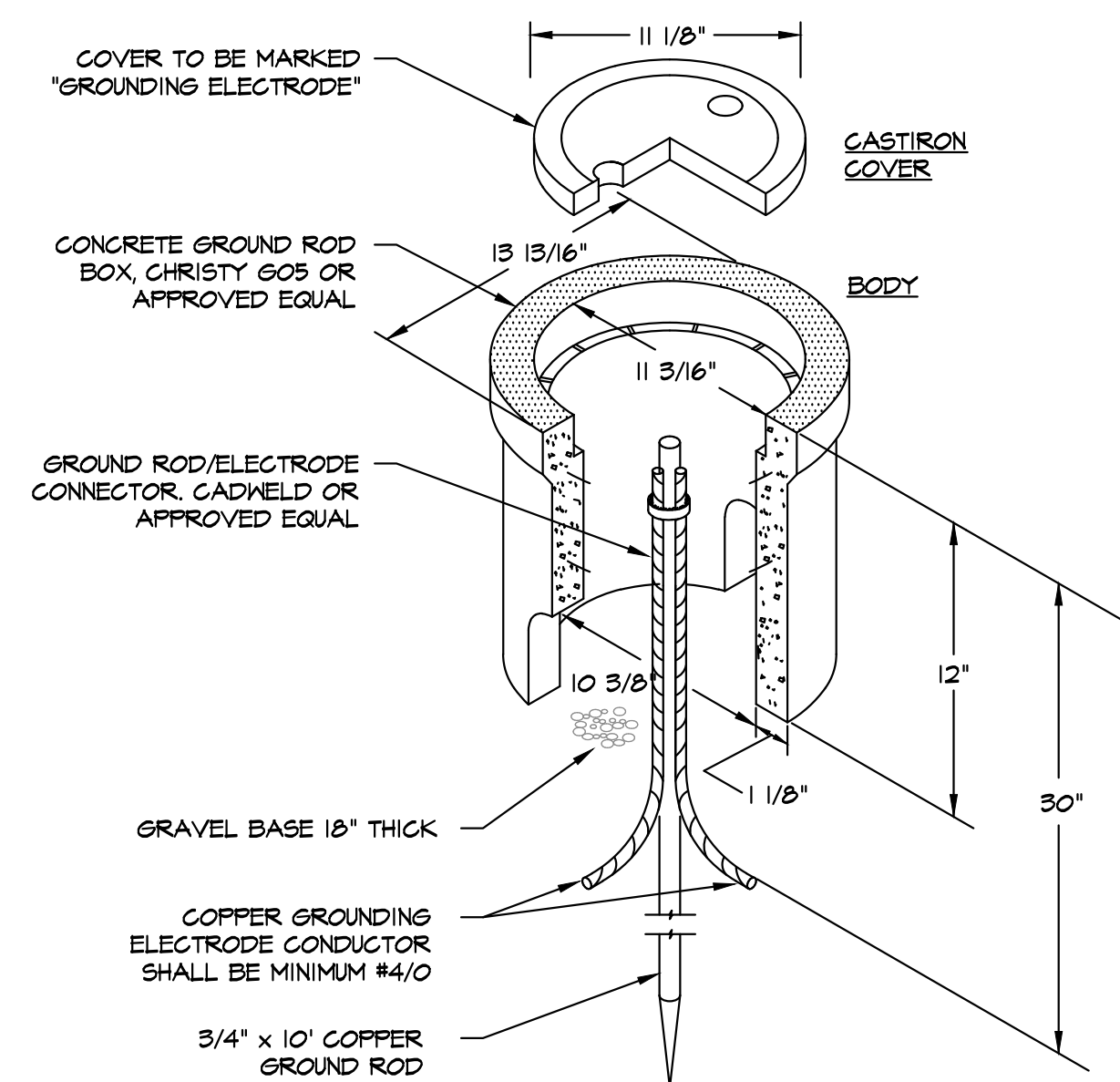
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4601 DTC Boulevard, Suite 740 | Denver, CO 80237 | 720.481.3290  
pkelectrical.com | PKN24004





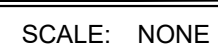
GROUND LUG SHALL BE BOLTED TO THE ANCHOR WITH A SECOND NUT AND LOCKWASHER. WHEN THE ANCHOR BOLT IS TOO LARGE FOR THE GROUND LUG A STEEL PLATE SHALL BE PROVIDED, DRILLED FOR ANCHOR BOLT CLEARANCE AND INSTALLED AS SHOWN WITH GROUND CONNECTOR BOLTED TO THE STEEL PLATE WITH 1/2" SILICONE BRONZE BOLT NUT AND FLAT WASHER.

SCALE: NONE



1. ALL DIMENSIONS SHOWN ARE MINIMUM.
2. PROVIDE 6 INCH COVER OF CONCRETE WITHIN 2 FEET OF ALL DRIVABLE AREAS PER DETAILS AND PLAN.

NONE

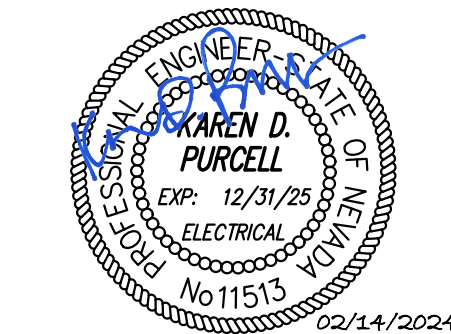


SCALE: NONE



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DRAWN BY: DJD  
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CITY OF ELKO

# ELKO MOUNTAIN BOOSTER PUMP STATION DETAILS

NEVADA

ELKO COUNTY

CITY OF ELKO

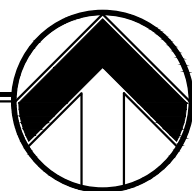
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## E0.5

K: \2024\24004 - Elko Mtn Booster Station\24004-05 - Details.dwg,E0.6,  
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# A E1.1 ELECTRICAL SITE PLAN SCALE: 1/16" = 1'-0"

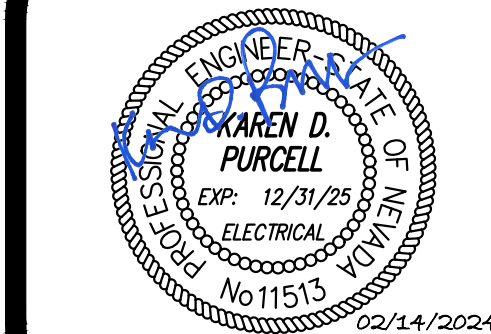


## GENERAL NOTES

- |    |   |
|----|---|
| 1. | CONDUIT TRENCHES PER DETAIL "B" SHEET EO.3.   |
| 2. | CONDUIT ROUTING IS SHOWN DIAGRAMMATICALLY. CONTRACTOR SHALL INSTALL PULL POINTS WHERE REQUIRED FOR PULLING TENSION AND MAINTAINING LESS THAN (4) 90 DEGREE BENDS. |
| 3. | ALL CONDUITS SHALL BE ROUTED IN SUCH A WAY AS TO AVOID TRIP HAZARDS AND MAINTAIN CLEARANCE REQUIREMENTS.  |

## SHEET NOTES

- ① REFER TO UTILITY DRAWINGS FOR LOCATION AND INSTALLATION REQUIREMENTS.



CITY OF ELKO

# ELKO MOUNTAIN BOOSTER PUMP STATION ELECTRICAL SITE PLAN

CITY OF ELKO ELKO COUNTY NEVADA

[illegible]

## E1.1

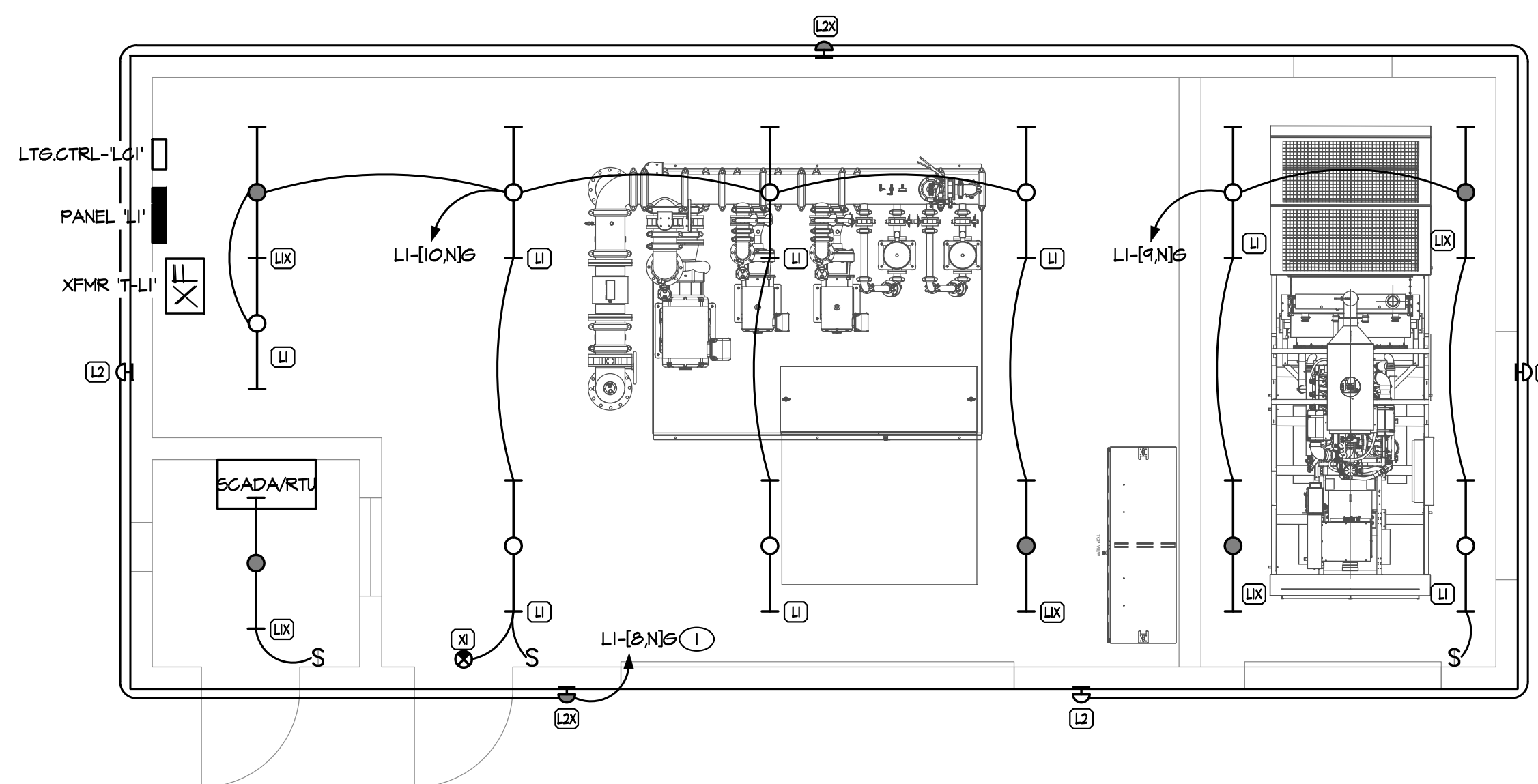
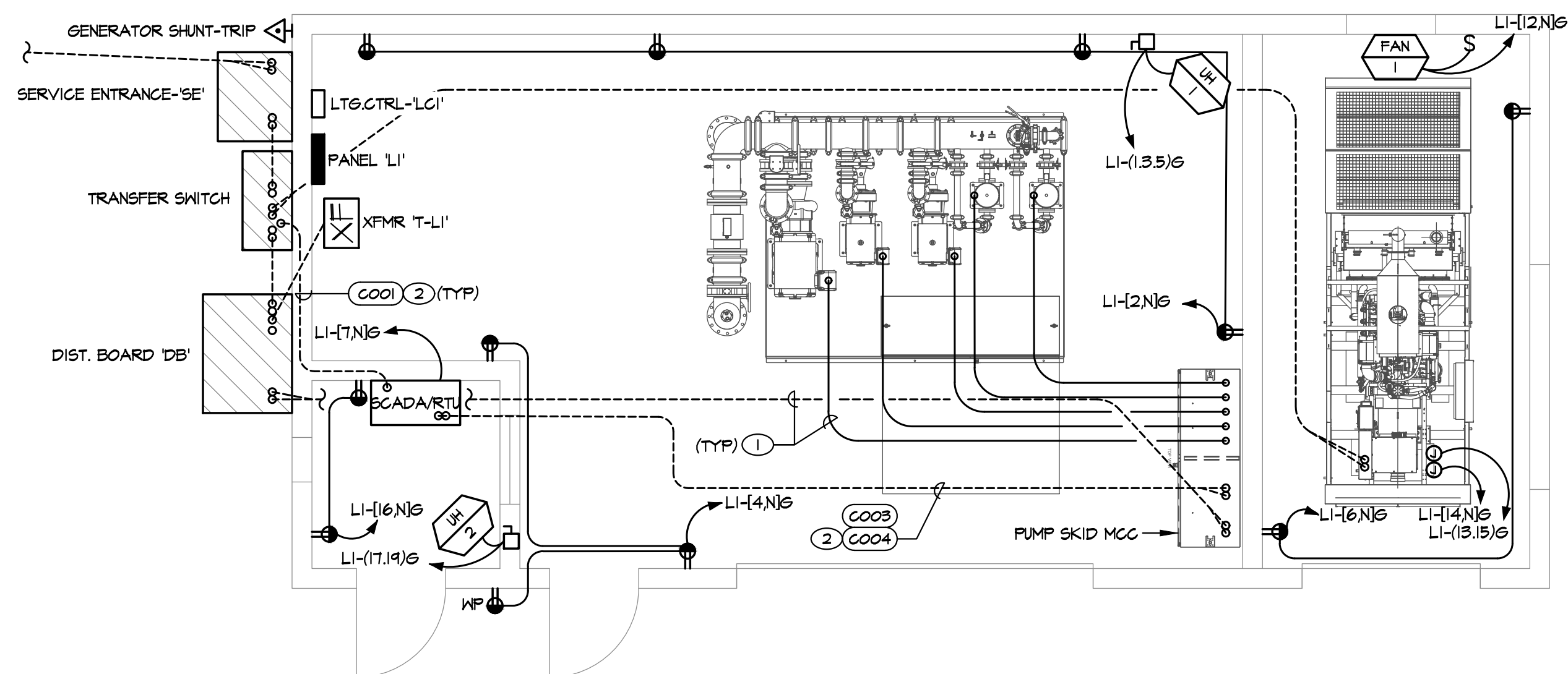
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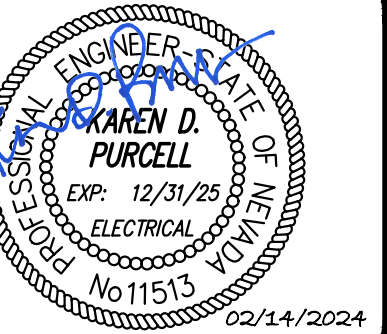
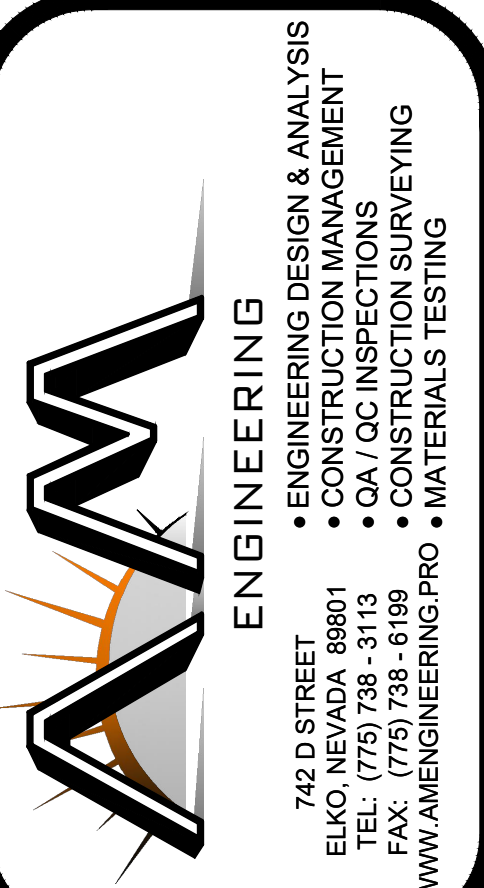






1. GROUND AND BOND ALL EQUIPMENT AND ENCLOSURES PER MANUFACTURER REQUIREMENTS AND NEC 250.
2. GROUND AND BOND ALL MOTOR FRAMES TO THE GROUNDING RING.
3. ALL METALLIC ENCLOSURES INCLUDING RAILINGS, FENCES OR OTHER METAL THAT PERSONNEL MAY COME IN CONTACT WITH SHALL BE EFFECTIVELY GROUNDED.
4. BARE GROUND CONNECTIONS EXPOSED TO THE ATMOSPHERE SHALL BE COVERED WITH GLYPTAL OR EQUIVALENT.

- ① #2/0 BARE GROUND RING, MINIMUM 30" BELOW GRADE.
- ② REFERENCE ELECTRICAL ONELINE FOR GROUND CONDUCTOR SIZE.



CITY OF ELKO

---

ELKO MOUNTAIN  
BOOSTER PUMP STATION  
GROUNDING PLAN

[illegible]

## E2.2

DATE: FEBRUARY 2024  
DRAWN BY: DJD  
DESIGNED BY: DH  
CHECKED BY: KDP  
JOB NO.: 24004



**PK Electrical, Inc.**  
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