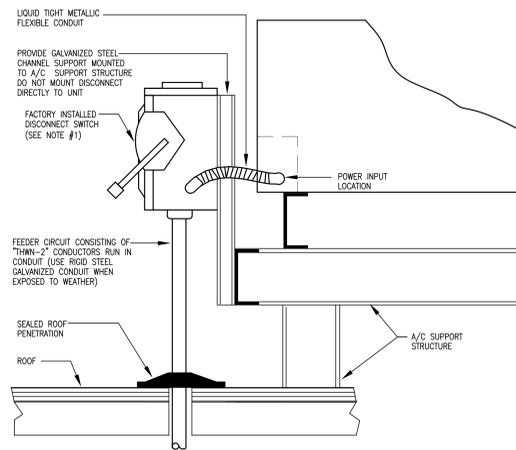


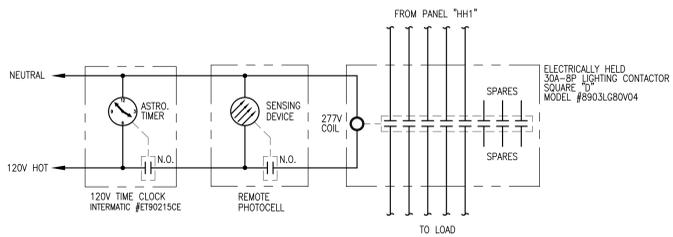
**TYPICAL ROOF PENETRATION DETAIL**

- SCALE: NONE
- NOTES:
1. MAINTAIN A MINIMUM CLEARANCE OF 12" [308mm] ON ALL SIDES OF ROOF PENETRATION FROM WALLS, CURBS, AND OTHER PROJECTIONS TO FACILITATE PROPER FLASHING.
  2. FLANGES OF ADJACENT FLASHINGS SHALL NOT BE CUT OR OVERLAPPED.
  3. VERIFY ROOF & STRUCTURAL SYSTEM WITH ARCHITECT & STRUCTURAL ENGINEER.
  4. COORDINATE FLASHING INSTALLATION WITH ROOFING CONTRACTOR TO ENSURE PROPER METHODS & MATERIALS ARE USED TO MAINTAIN ROOF WARRANTY.



**HVAC EQUIPMENT INSTALLATION ON ROOF**

- SCALE: NONE
- NOTES:
1. PROVIDE DISCONNECT SWITCHES FOR ALL HVAC EQUIPMENT UNLESS DISCONNECT IS FACTORY INSTALLED
  2. PROVIDE FUSED DISCONNECT SWITCH IF NAMEPLATE CALLS FOR FUSES OR HACR BREAKER AND HACR BREAKER IS NOT AVAILABLE IN THE REQUIRED AMPERE RATING.
  3. VERIFY NAME PLATE ELECTRICAL REQUIREMENTS AND RATINGS ON ALL HVAC EQUIPMENT IN FIELD PRIOR TO INSTALLATION OF ASSOCIATED POWER FEEDERS, OVERCURRENT DEVICES AND SWITCHES.



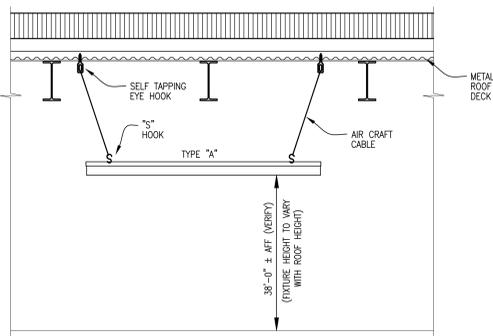
**WAREHOUSE TIMECLOCK/PHOTOCELL SCHEMATIC DIAGRAM**

- SCALE: NONE
- NOTES:
1. LOCATE TIMECLOCK & LIGHTING CONTACTOR NEXT TO PANEL "HH1" COORDINATE LOCATION & ORIENTATION OF REMOTE PHOTOCELL DEVICE W/ ARCHITECT.
  2. E.G. SHALL COORDINATE TIMECLOCK SETTINGS W/ OWNER AS PART OF A COMPLETE INSTALLATION.

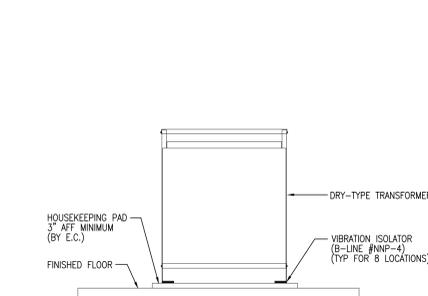
- OPERATION
1. TIME CLOCK IS SET TO TURN LIGHTS OFF AT A TIME TO BE DETERMINED BY THE END USER. PHOTOCELL MAY STILL BE CLOSED BUT AN OPEN CONTACT IN THE TIMECLOCK KEEPS THE LOAD OFF.
  2. TIME CLOCK IS SET TO GO "ON" AT A TIME TO BE DETERMINED BY THE END USER. THE CONTACT IN THE TIMECLOCK WILL CLOSE BUT THE PHOTOCELL CONTACT WILL BE OPEN, KEEPING THE LIGHTS OFF.
  3. PHOTOCELL CONTACT WILL CLOSE AT DUSK COMPLETING THE CIRCUIT AND TURNING THE LOAD ON.
  4. SEQUENCE BEGINS AGAIN.



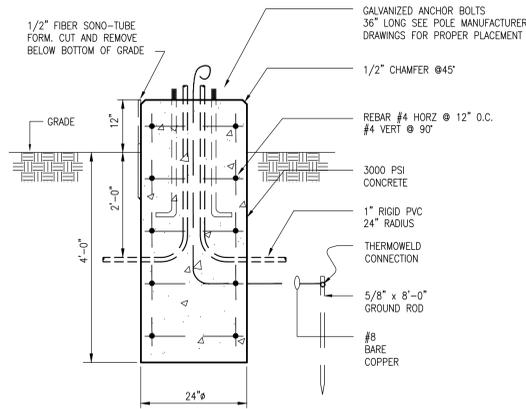
**EXTERIOR RECEPTACLE DETAIL**



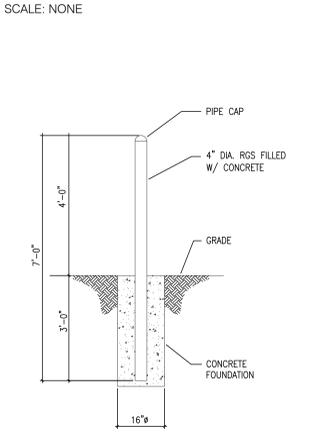
**FIXTURE TYPE "A" MOUNTING DETAIL**



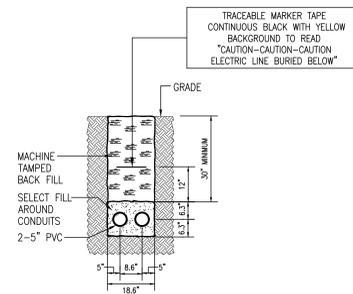
**TRANSFORMER FLOOR MOUNTING DETAIL**



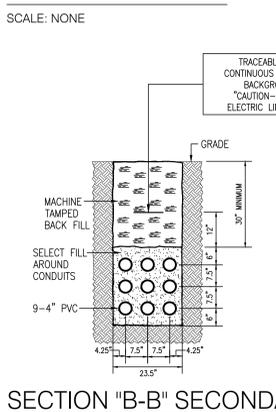
**POLE FOUNDATION DETAIL**



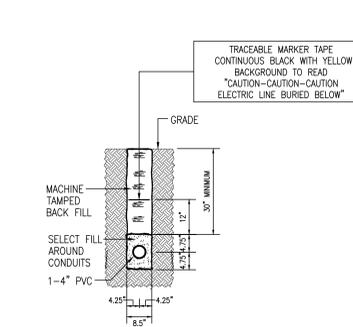
**EXTERIOR BOLLARD DETAIL**



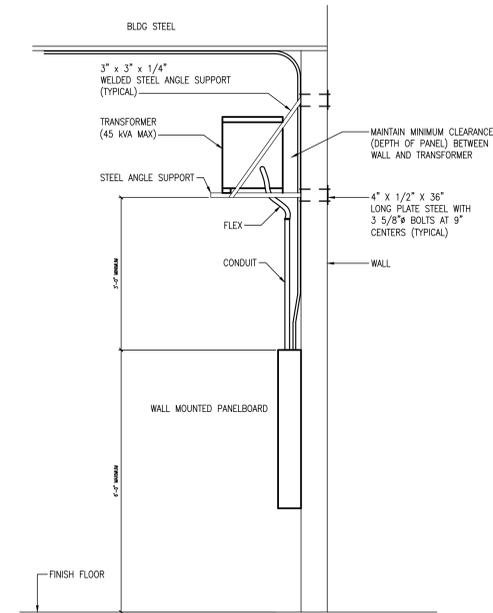
**SECTION "A-A" PRIMARY DUCT BANK DETAIL**



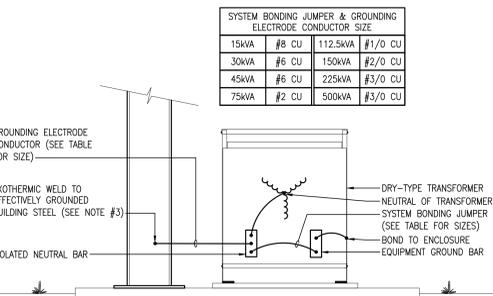
**SECTION "B-B" SECONDARY DUCT BANK DETAIL**



**SECTION "C-C" PRIMARY DUCT BANK DETAIL**



**TRANSFORMER WALL MOUNTING DETAIL**



- SCALE: NONE
- NOTES:
1. TRANSFORMER GROUNDING MUST COMPLY WITH NEC ARTICLE 250.
  2. ALL GROUND CONNECTION AREAS SHALL BE PREPARED BY GRINDING OR WIRE BRUSH CLEANING. ALL SURFACES AFFECTED SHALL BE PAINTED WITH RUST INHIBITING PAINT AFTER WELDING IS COMPLETED.
  3. IF EFFECTIVELY GROUNDING BUILDING STEEL IS NOT PRESENT DUE TO BUILDING CONSTRUCTION, PROVIDE CONNECTION TO EFFECTIVELY GROUND METAL WATER PIPE WITHIN 5'-0" OF POINT OF ENTRANCE OF PIPE.
  4. SYSTEM BONDING JUMPER AND GROUNDING ELECTRODE CONDUCTOR SIZE TABLE IS ONLY APPLICABLE TO TRANSFORMERS WITH A 208/120V, 3Ø SECONDARY.
  5. THIS DETAIL ONLY APPLIES TO DELTA / GROUNDWYE STEP DOWN DRY TYPE TRANSFORMERS.

KEY PLAN

SUBMITTALS

NO.	DATE	DESCRIPTION
A	05.27.22	ISSUE FOR REVIEW
0	06.10.22	ISSUE FOR PERMIT

SHEET TITLE

**ELECTRICAL DETAILS**