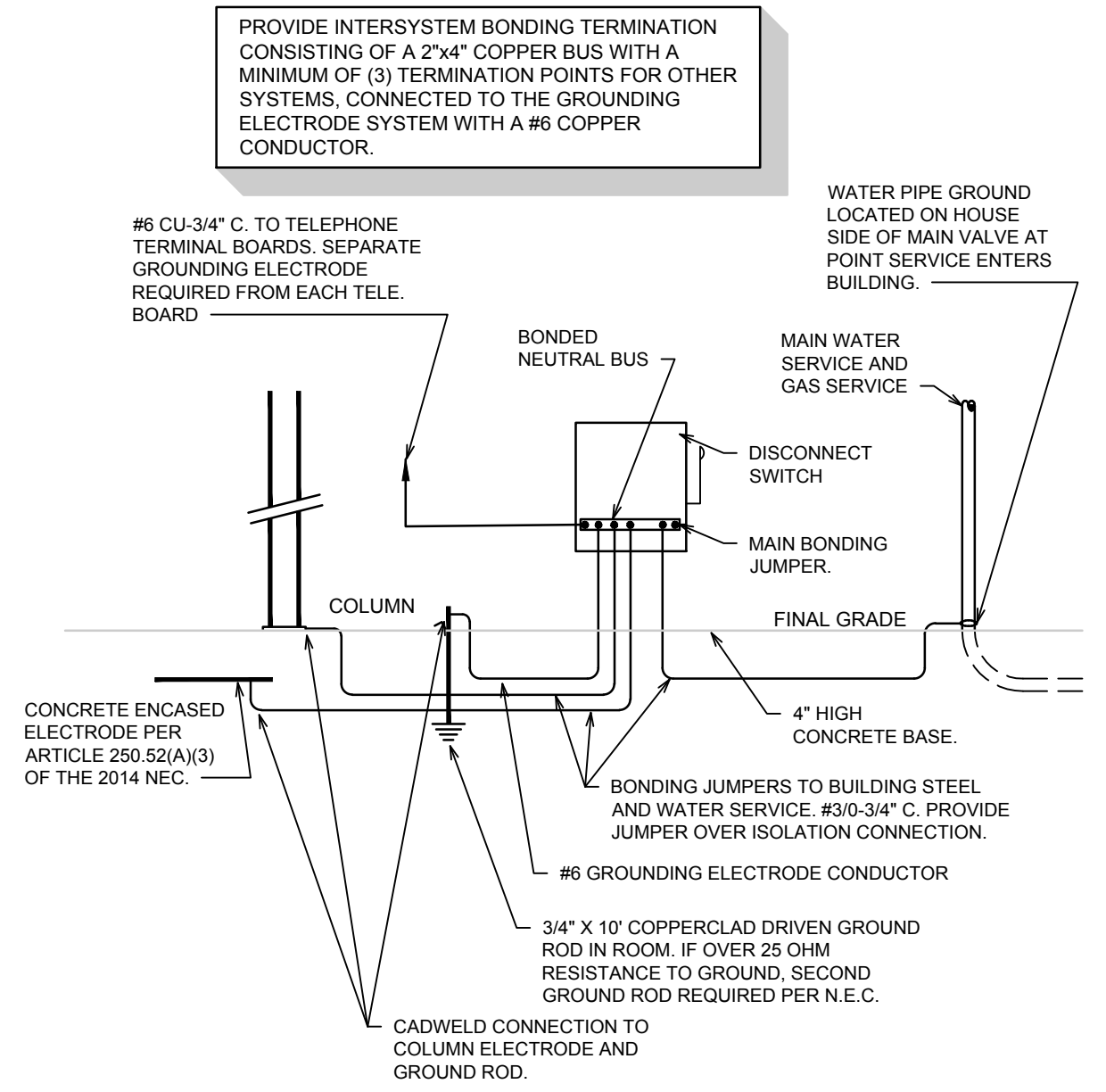
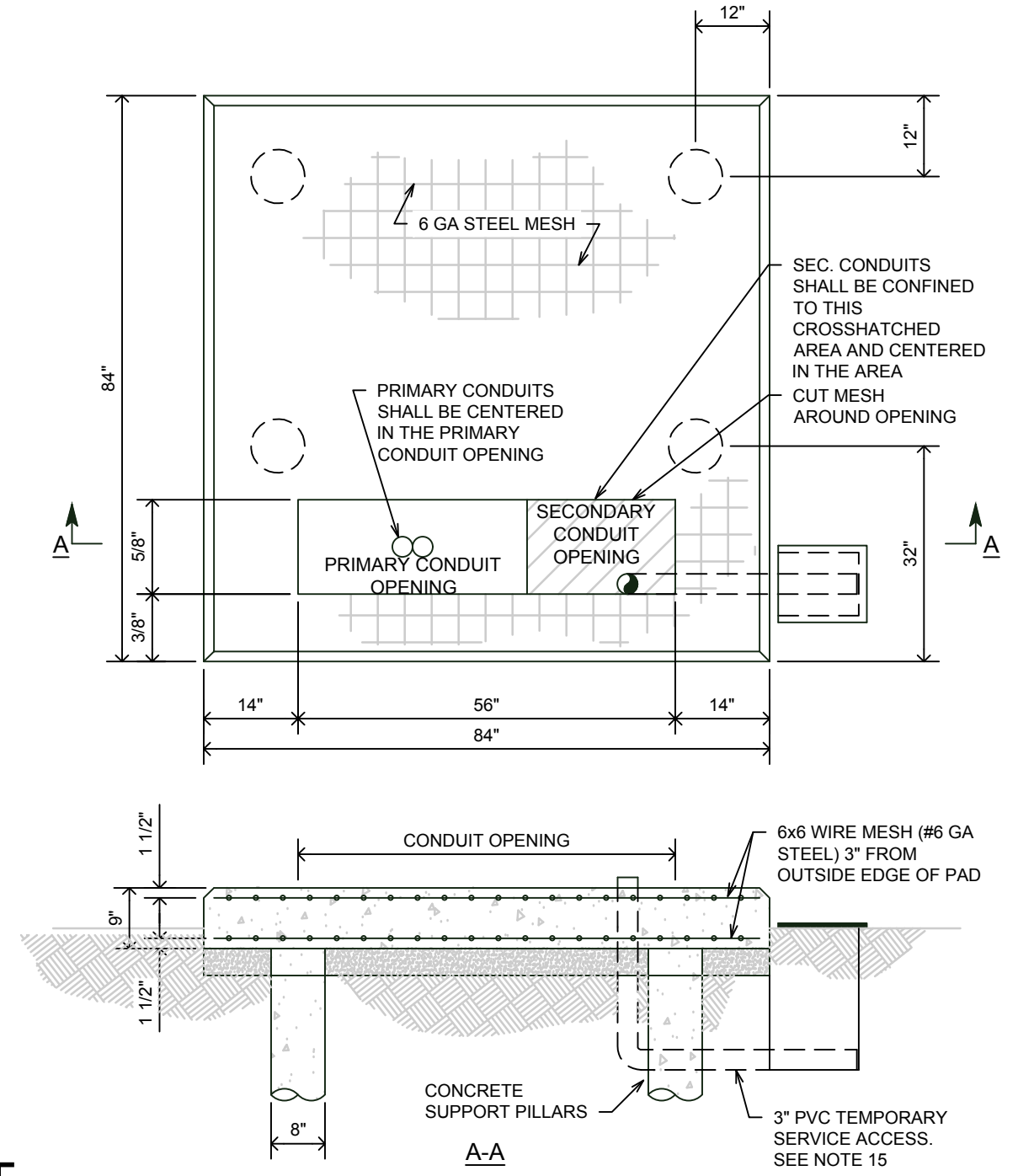


3 SYSTEM GROUNDING DETAIL-DISCONNECT

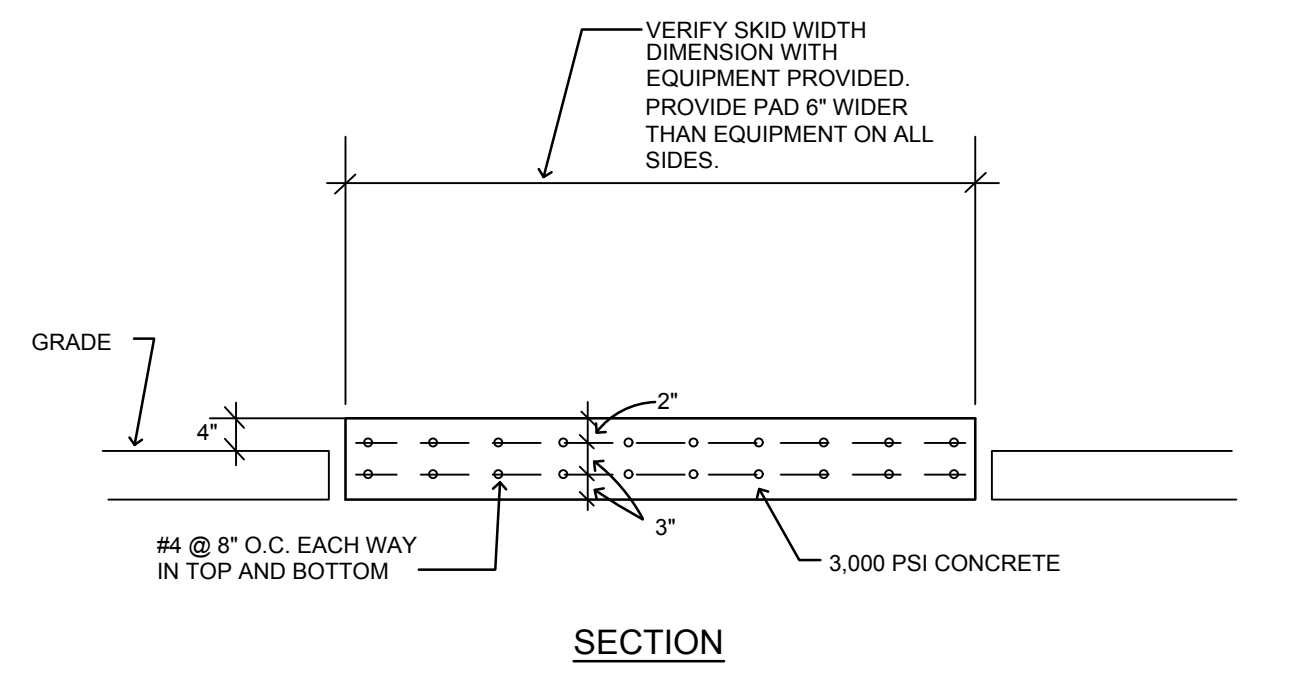
SCALE: N.T.S.



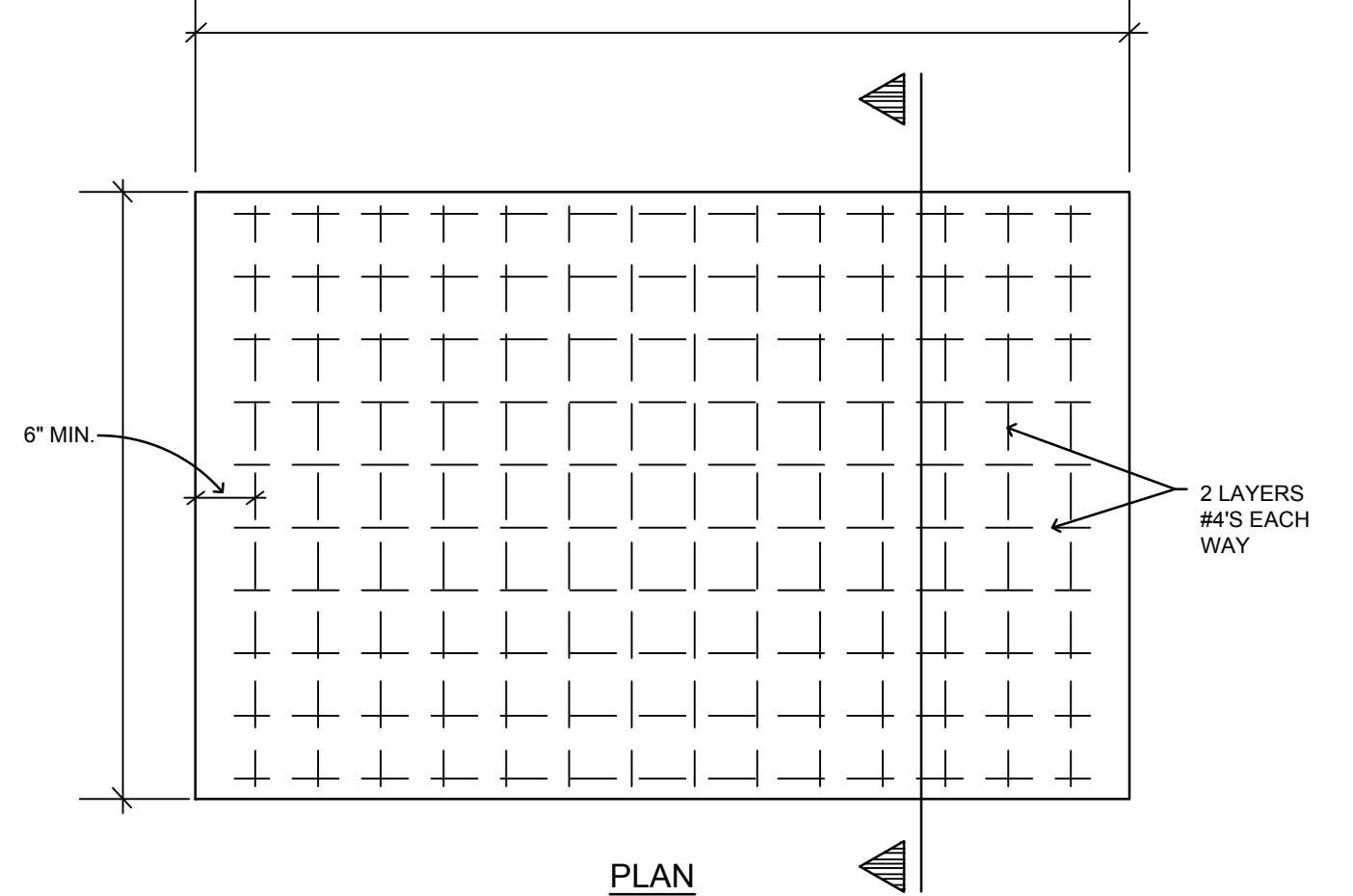
NOTE: PROVIDE OTHER GROUND CONNECTIONS AS SPECIFIED IN N.E.C. ARTICLE 250.50 (2014)



- NOTES:
- PAD LOCATION SHALL BE APPROVED BY LOCAL UTILITY COMPANY.
 - TRANSFORMER SHALL BE INSTALLED NEAR THE CUSTOMER'S SERVICE ENTRANCE.
 - IF TRANSFORMER PAD IS INSTALLED IN AN AREA SUBJECT TO VEHICULAR TRAFFIC, THE INSTALLATION SHALL BE PROTECTED WITH A PIPE-RAIL GUARD. (SEE SS-77.9)
 - FOR PROPER CLEARANCE AROUND THE TRANSFORMER, REFER TO SS-75.0.
 - CONTRACTOR SHALL EXTEND FORMS DOWN TO AT LEAST 3" BELOW AVERAGE GROUND LINE.
 - CONCRETE SHALL BE A MINIMUM OF 3,000 LB. MIX.
 - TOP OF TRANSFORMER PAD SHALL RECEIVE A SMOOTH TROWEL FINISH. CORNERS AND EDGES SHALL BE ROUNDED OR BEVELED.
 - CONDUIT OPENING SHALL BE FREE AND CLEAR OF CONCRETE.
 - TOPS OF THE CONDUIT SHALL BE FLUSH WITH THE TOP OF THE CONCRETE PAD.
 - NUMBER OF CONDUITS NECESSARY IS DEPENDENT ON THE MAXIMUM NUMBER OF SERVICE CONDUCTORS ALLOWED IN THE LOW-VOLTAGE COMPARTMENT OF THE TRANSFORMER. REFER TO SS-73.1 FOR MAXIMUM NUMBER. INSTALL 1" METERING CONDUIT FROM PAD TO METER ENCLOSURE WHEN TRANSFORMER RATED METERING IS SET ON ADJACENT BUILDING OR STAND & METERING TRANSFORMERS ARE IN THE PAD/MOUNT TRANSFORMER. (SEE SS-74.0)
 - PILLARS ARE FORMED BY AUGERING AND 8" DIAMETER HOLE TO A DEPTH OF UNDISTURBED EARTH. A SEPARATOR, SUCH AS TAR PAPER, SHOULD BE PLACED BETWEEN THE PILLAR AND THE PAD SO THAT THE PAD CAN BE LEVELED AT A LATER TIME IF NECESSARY.
 - LOCAL UTILITY RESERVES THE RIGHT NOT TO ACCEPT THE CONDITION OF THE CONCRETE PAD IF IT FAILS TO MEET THE REQUIREMENTS STATED IN THIS STANDARD.
 - THE 6" ABOVE GRAD CAN BE REDUCED TO 4" ABOVE FINISHED PAVEMENT.
 - CONDUIT OPENING DIMENSIONS PERTAIN TO ABB & GE (1991 & NEWER) TRANSFORMERS. CHECK WITH LOCAL UTILITY SERVICE CENTER TO BE SURE THAT THE OPENING IS THE CORRECT SIZE FOR THE TRANSFORMER DESIGNATED FOR THE JOB. CALL LOCAL SERVICE CENTER TO CONFIRM PAD DIMENSIONS BEFORE PAD IS POURED.
 - CONDUIT TO EXTEND 1" TO 2" BEYOND EDGE OF PAD. DO NOT BACKFILL. USE MIN. 3/4" PLYWOOD OR COMPARABLE COVER TO SECURE THE HOLE.



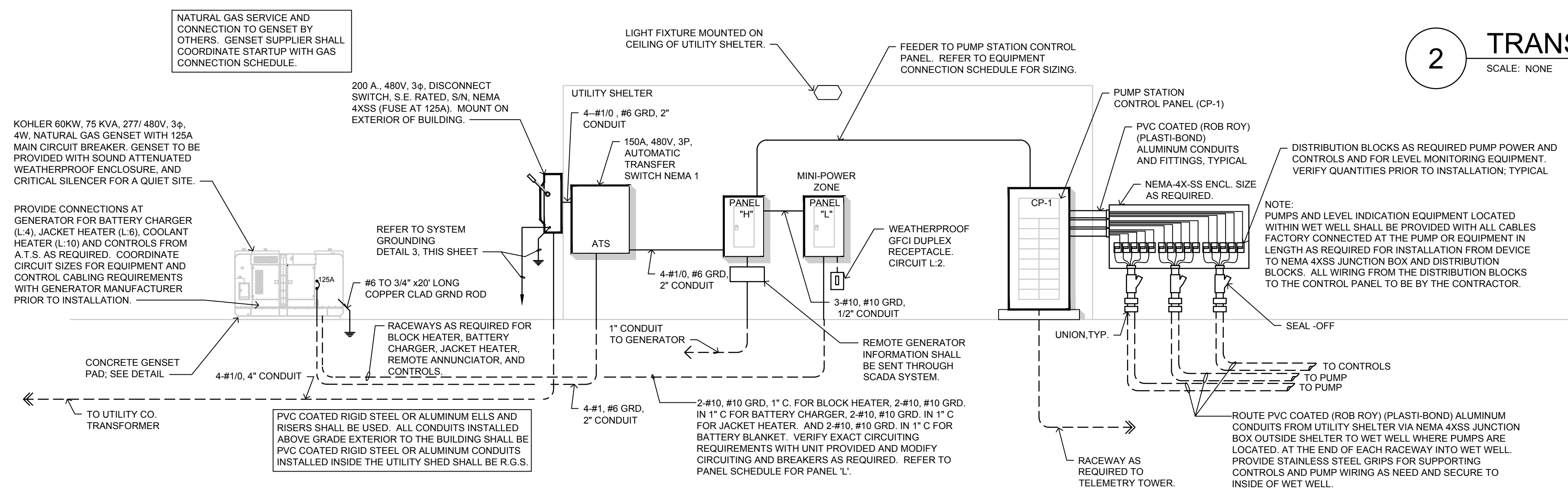
- NOTES:
- PAD BY G.C./E.C. TO VERIFY ALL REQUIREMENTS WITH EQUIPMENT PROVIDED PRIOR TO G.C. POURING PAD.
 - THICKNESS AND STEEL MUST BE SIZED PER GENERATOR SIZE.



- NOTES:
- INSTALL 1/4" X 1/4" REMOVABLE WIRE FENCING AROUND GENERATOR AND PAD AND ANY OPENINGS TO STOP RODENT ENTRY.

2 TRANSFORMER PAD DETAIL

SCALE: NONE



1 ENGINE GENERATOR PAD DETAIL

SCALE: NONE

A ELECTRICAL RISER DIAGRAM

SCALE: NONE

SERVICE VOLTAGE: 277/480 V, 3φ, 4W.

ELECTRICAL CONTRACTOR SHALL VERIFY CONDUIT QUANTITIES NEEDED. ALL CONDUITS REQUIRED MAY NOT BE SHOWN IN THIS RISER DIAGRAM.



ELECTRICAL DETAILS

Baughman Village Charters 3rd Addition
PUMP STATION
Sanitary Sewer Main

ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER: XXXXXXXX

DESIGN: OS DRAWN: RT
APPROVED: PJW DATE: 07/17/20
SCALE: AS NOTED
SHEET: 13 OF 28

REVISIONS:

EXPIRES: 04-30-2021

20154.00-015

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