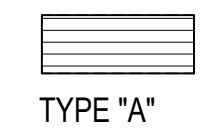


**CONCRETE ENCASED CONDUIT**  
NOT TO SCALE

BACKFILL:



: NON-CONTAMINATED NATIVE SOIL MATERIAL WHICH DOES NOT CONTAIN MORE THAN 50% GRAVEL, AND ALSO, DOES NOT CONTAIN HARD LUMPS OF EARTH 3" IN GREATEST DIMENSION, ROCKS LARGER THAN 3" IN LARGEST DIMENSION, HIGHLY PLASTIC CLAY, POORLY-GRADED SAND AND GRAVEL (CLASSIFIED AS SP AND GP USING THE UNITED SOIL CLASSIFICATION SYSTEM), ORGANICS, DEBRIS, OR OTHER UNSUITABLE OR DELETERIOUS MATERIALS.

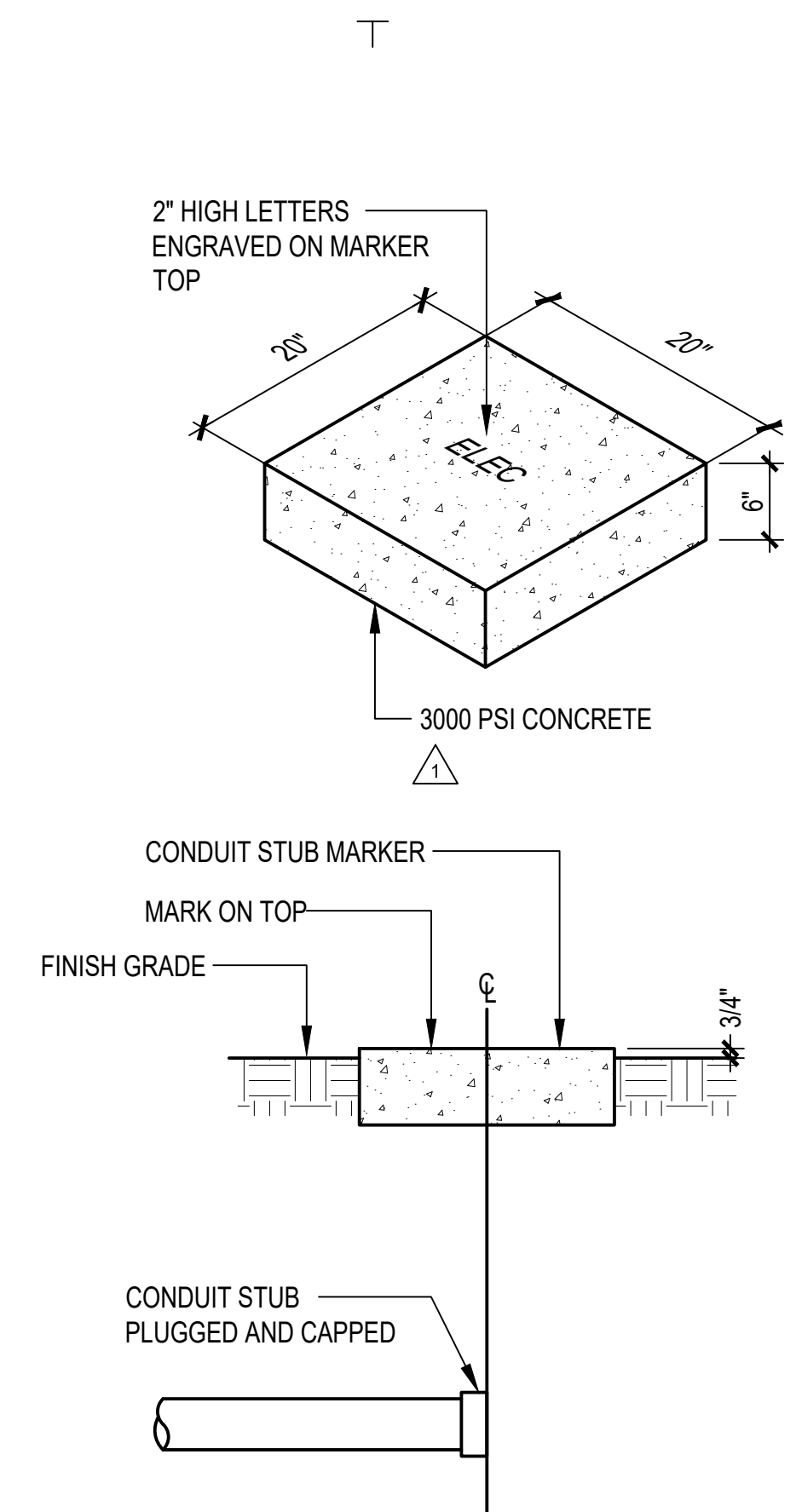
GENERAL NOTE:

- WHERE ELECTRICAL CONDUIT IS INSTALLED PARALLEL TO TELECOM SYSTEM, PROVIDE 12" MINIMUM SEPARATION BETWEEN PRIMARY ELECTRICAL SYSTEM CONDUITS AND TELECOM SYSTEM CONDUITS FOR SECONDARY ELECTRICAL SYSTEM. PROVIDE 3" SEPARATION FROM TELECOM SYSTEM CONDUITS WHERE CONCRETE ENCASED OR 12" SEPARATION WHERE WITH SAND CUSHION.
- WHERE TRENCH ENCOUNTERS EXISTING CONCRETE OR ASPHALT CONCRETE, SURFACE MUST BE SAWCUT, BACKFILL, COMPACT AND PATCH SURFACE TO MATCH ADJACENT AREA.

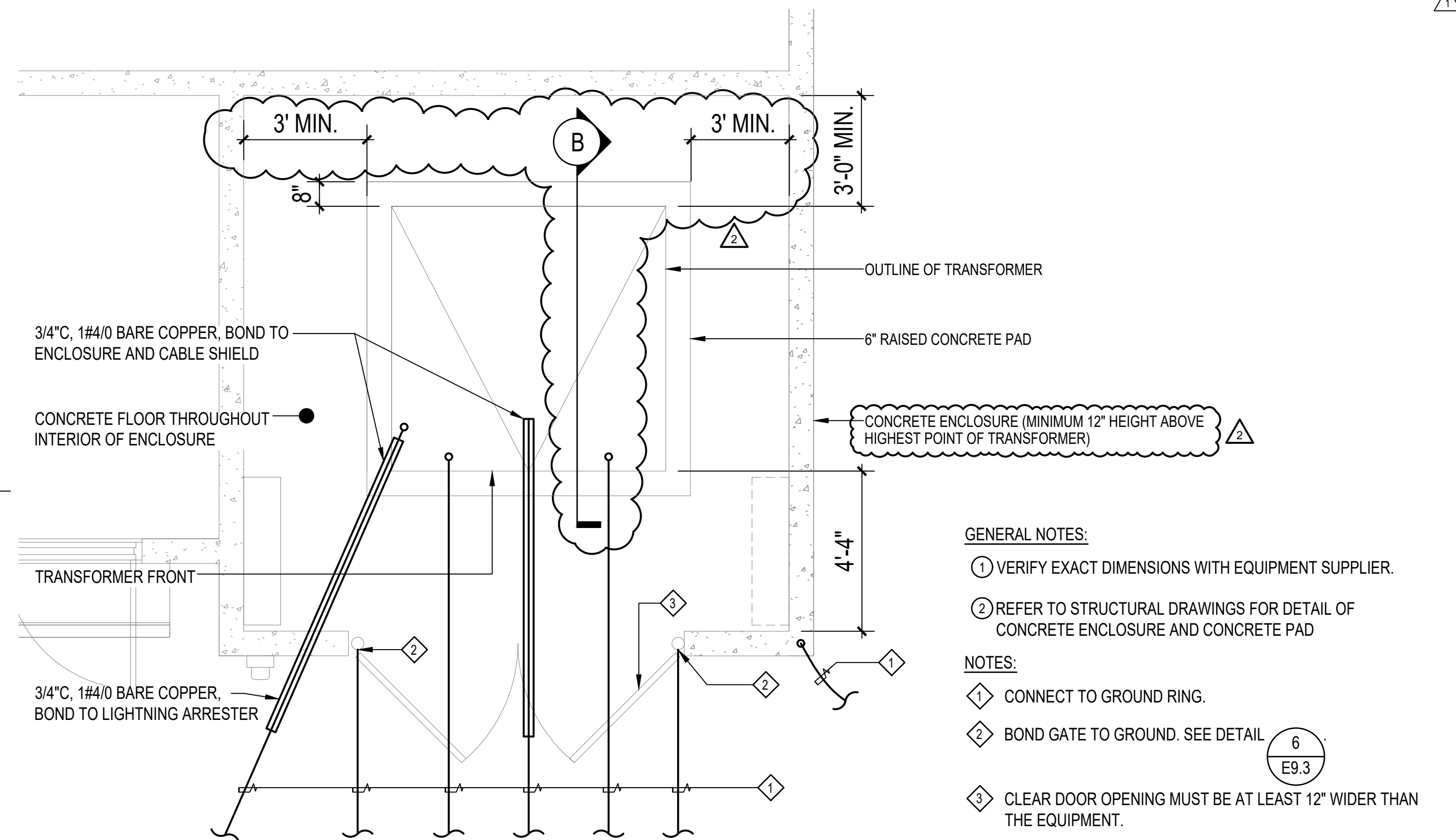
NOTES:

- PROVIDE CONCRETE ENCASEMENT 3" ALL AROUND, 3000 PSI COMPRESSIVE STRENGTH IN 28 DAYS IF DUCT IS SUBJECT TO VEHICULAR TRAFFIC UNDER PAVED AREA UNDER SIDEWALK OR CONDUITS OF CUC PRIMARY VOLTAGE SYSTEM.
- PROVIDE SAND CUSHION 4" ALL AROUND, IF DUCT IS NOT SUBJECT TO VEHICULAR TRAFFIC. HOWEVER, TRANSITION TO CONCRETE ENCASEMENT SHALL BE IMPLEMENTED AT BENDS, CURVES, OR ELBOWS AND SHALL NOT EXTEND TO AT LEAST A FOOT BEYOND THE CURVED PORTION.

**1 TYPICAL DUCT SECTION**  
NOT TO SCALE



**2 CONDUIT STUB-OUT MARKER DETAIL**  
NOT TO SCALE



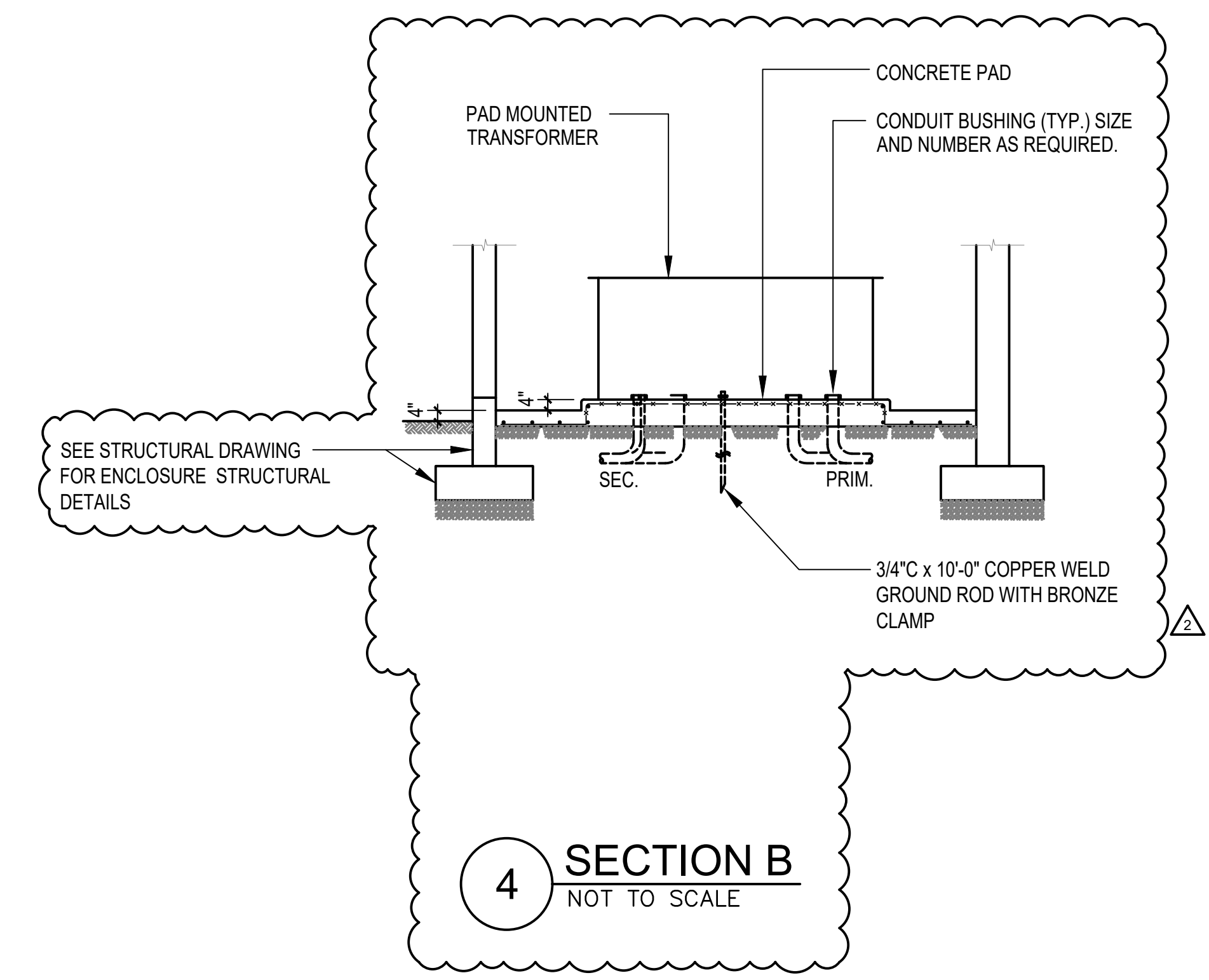
**3 PAD MOUNTED TRANSFORMER ENCLOSURE DETAILS**  
SCALE: NOT TO SCALE

GENERAL NOTES:

- VERIFY EXACT DIMENSIONS WITH EQUIPMENT SUPPLIER.
- REFER TO STRUCTURAL DRAWINGS FOR DETAIL OF CONCRETE ENCLOSURE AND CONCRETE PAD

NOTES:

- CONNECT TO GROUND RING.
- BOND GATE TO GROUND. SEE DETAIL 6 E9.3
- CLEAR DOOR OPENING MUST BE AT LEAST 12" WIDER THAN THE EQUIPMENT.



**4 SECTION B**  
NOT TO SCALE

IF SHEET IS LESS THAN 24" X 36"  
REDUCED PRINT - USE GRAPHIC SCALES

REVISIONS		
No.	Description	Date
1	ADDENDUM 1	12/6/22
2	ADDENDUM 2	01/16/23

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Planning  
Interior Design

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671 . 646-EMCE (3623) Fax

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION  
*Abner V. Mariano*  
DATE: 10/7/2022

Project:  
  
NMC  
PACKAGE 1: STUDENT  
CENTER BUILDING

Title:  
  
ELECTRICAL DETAILS -  
SHEET 5

CONSTRUCTION  
DOCUMENTS

Designed: JF/LB  
Drawn: NP/RS  
Checked: IA/AM  
Supv: AM  
Scale: AS INDICATED  
Date: 10/07/2022  
Project No. File

Drawing  
No.  
**E9.5**  
Sheet No. of