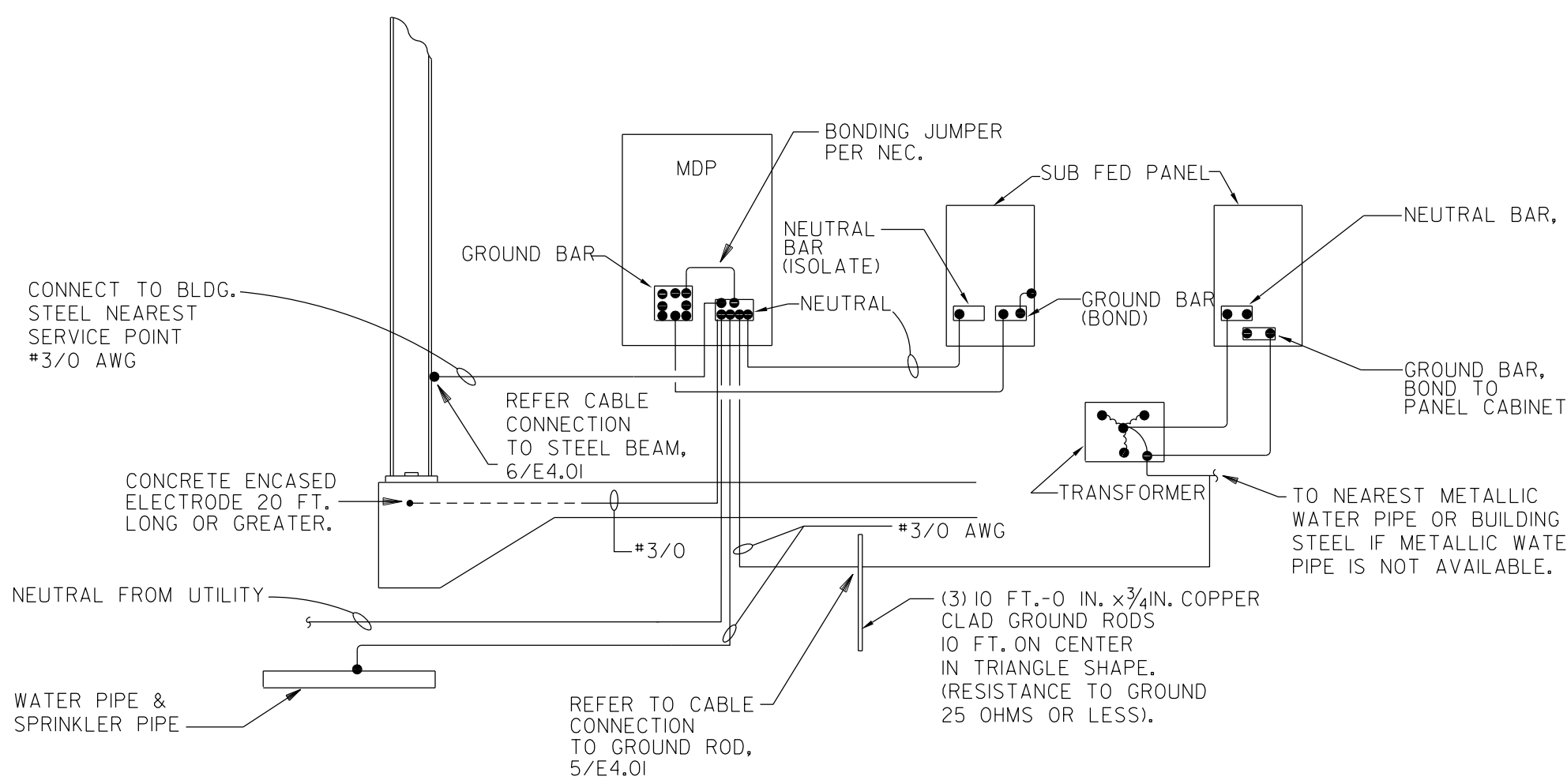
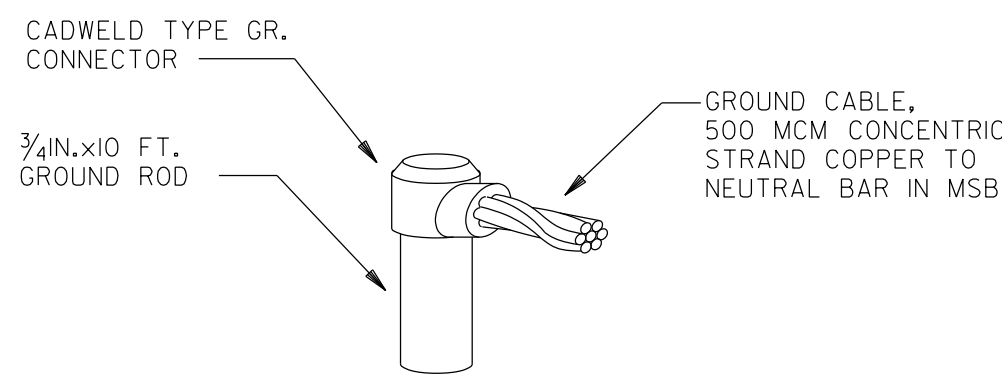
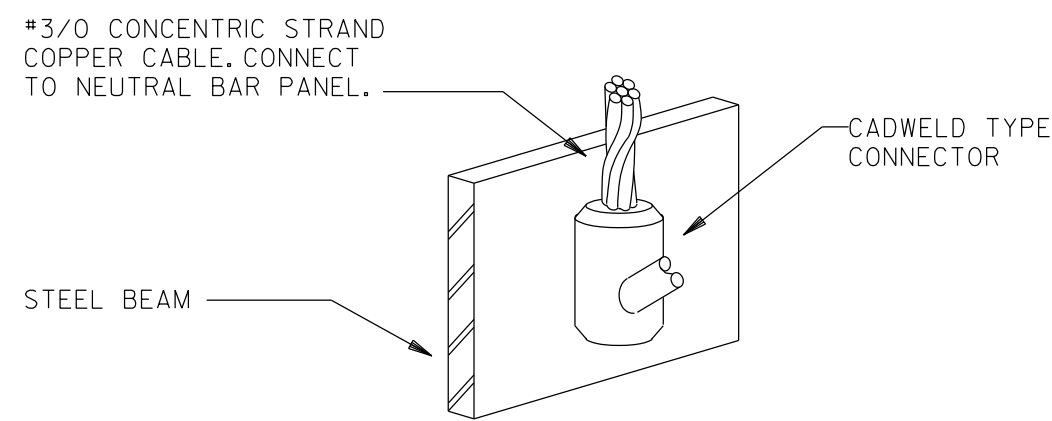




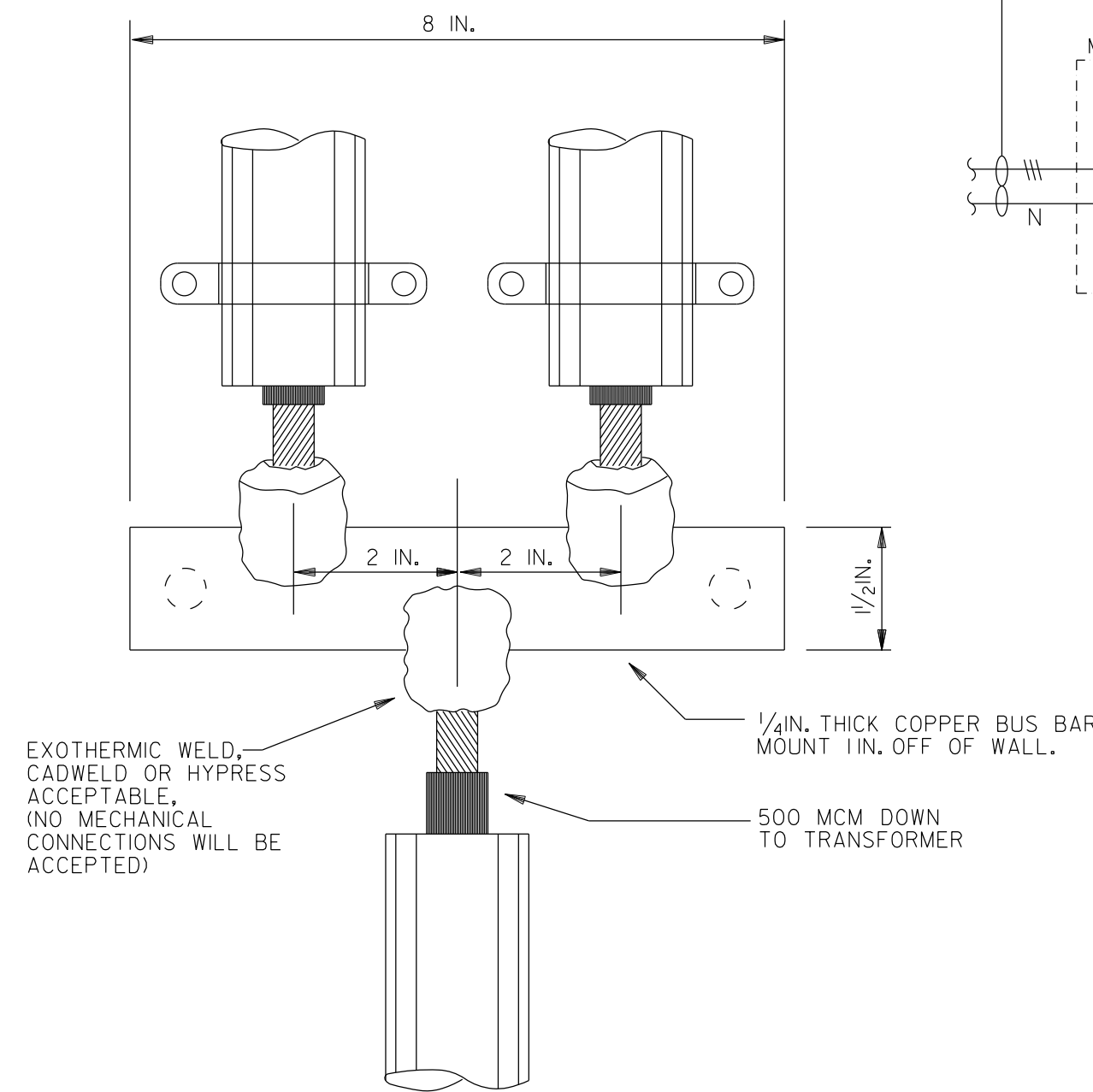
2 SERVICE GROUNDING DETAIL
E4.01 NOT TO SCALE



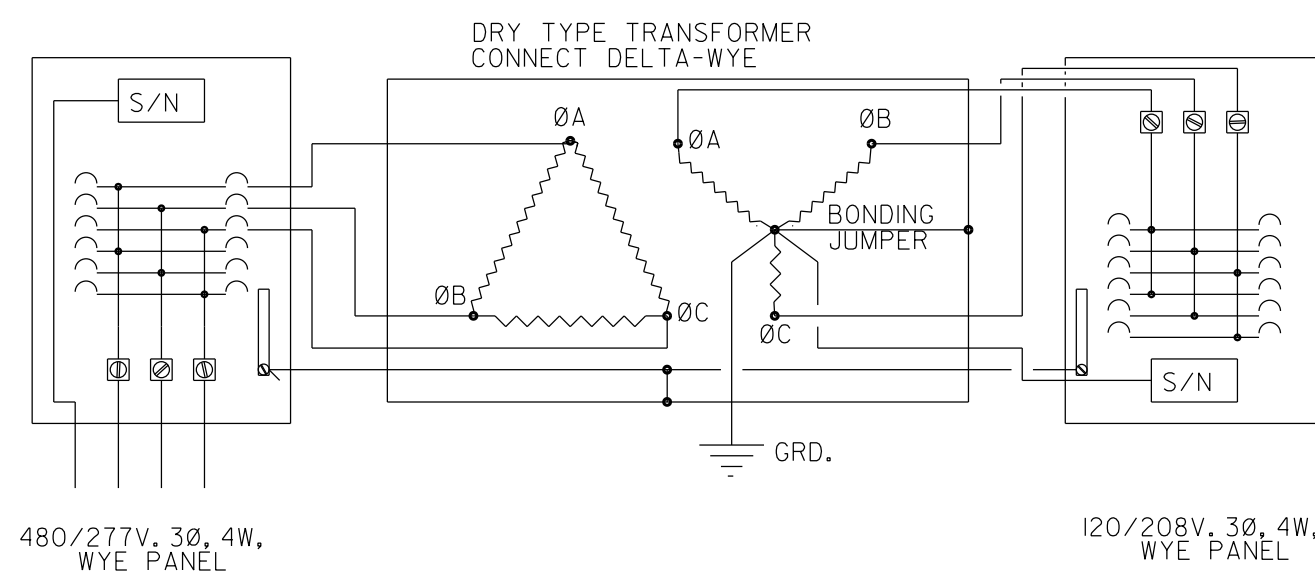
5 CABLE CONNECTION TO GROUND ROD
E4.01 NOT TO SCALE



6 CABLE CONNECTION TO STEEL BEAM
E4.01 NOT TO SCALE

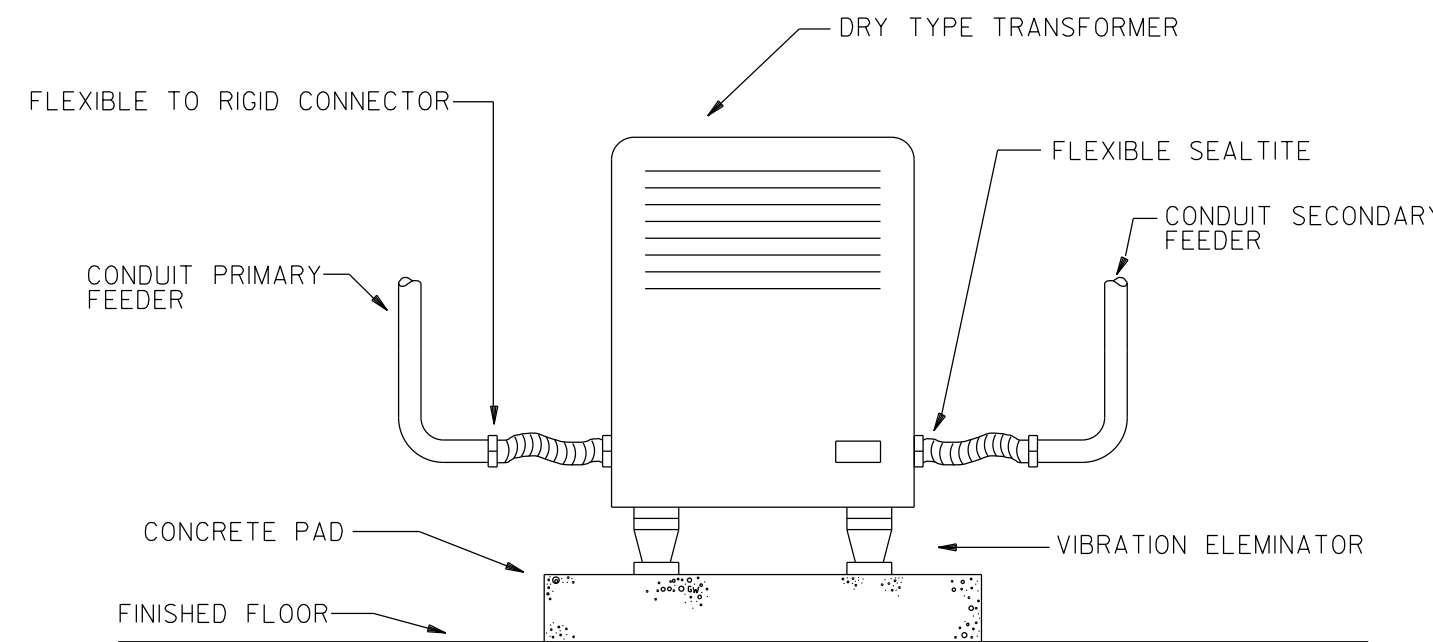


8 DETAIL - GROUND CABLE TO BUS BAR
E4.01 NOT TO SCALE

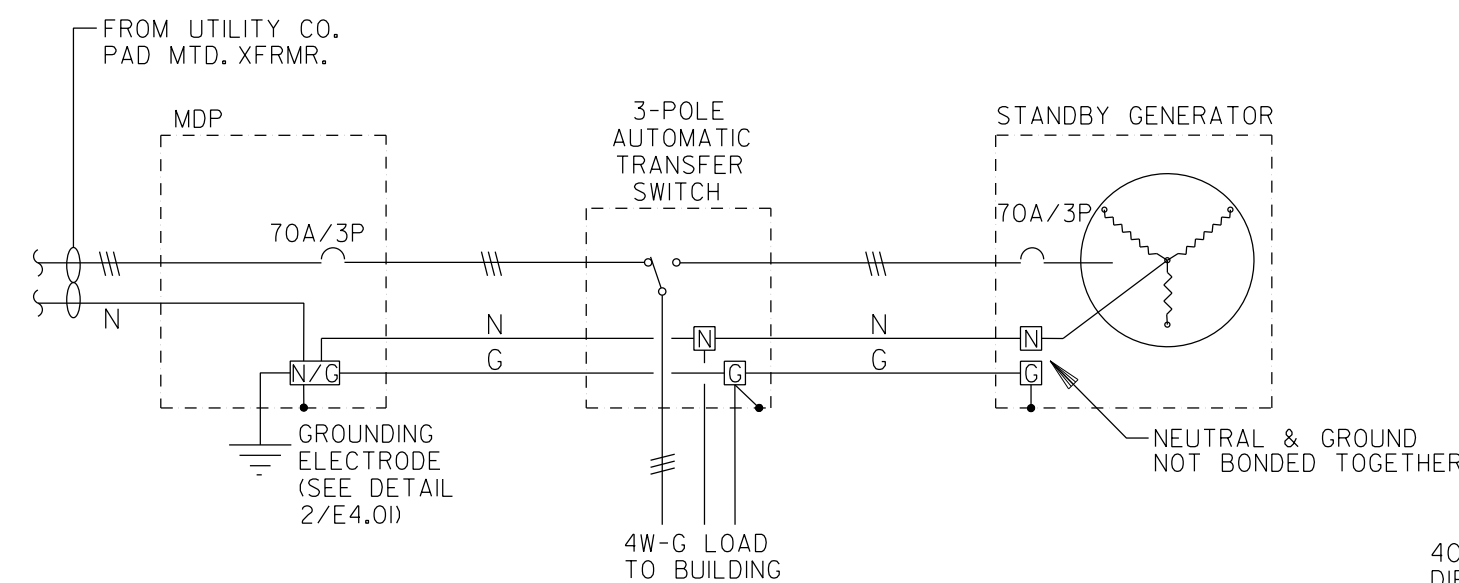


3 DRY TYPE TRANSFORMER CONNECTION
E4.01

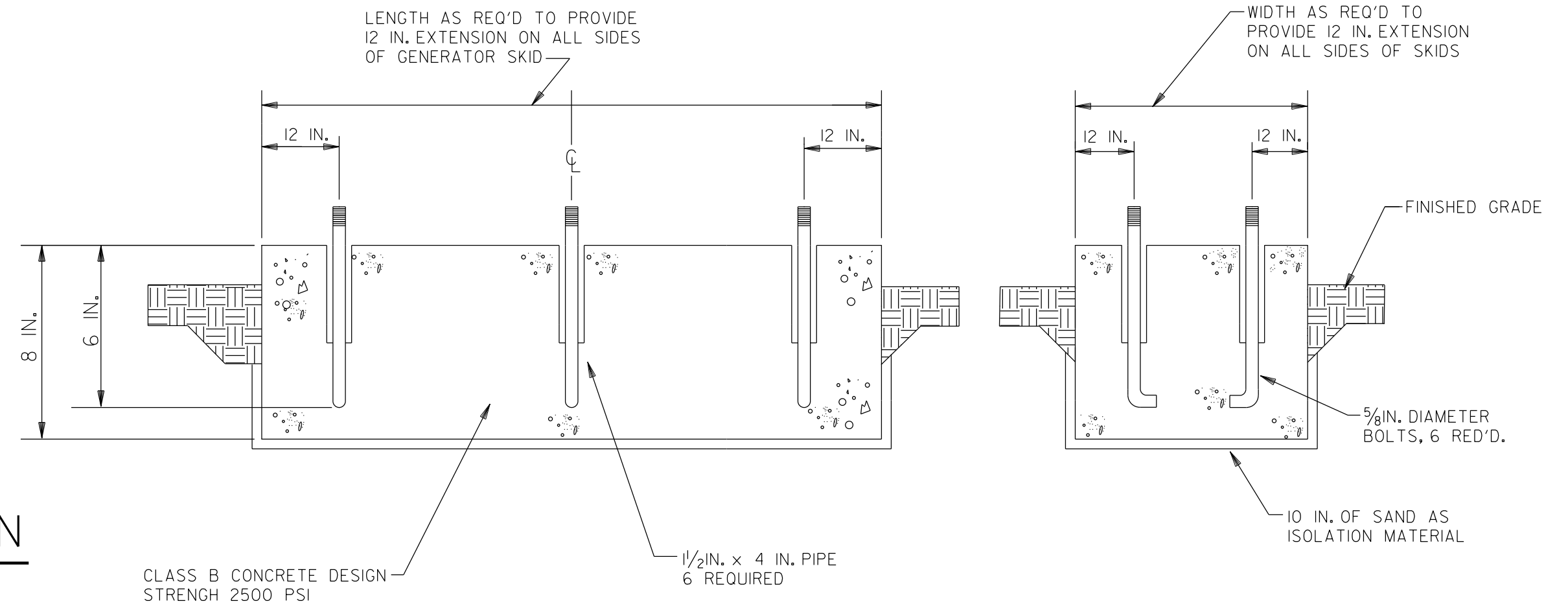
WIRE COLOR CODE		
A/C	120/208	277/480
PHASE A	BLACK	BROWN
PHASE B	RED	ORANGE
PHASE C	BLUE	YELLOW
NEUTRAL	WHITE	GRAY
GROUND	GREEN	GREEN



7 FLOOR MOUNTED TRANSFORMER
E4.01 NOT TO SCALE



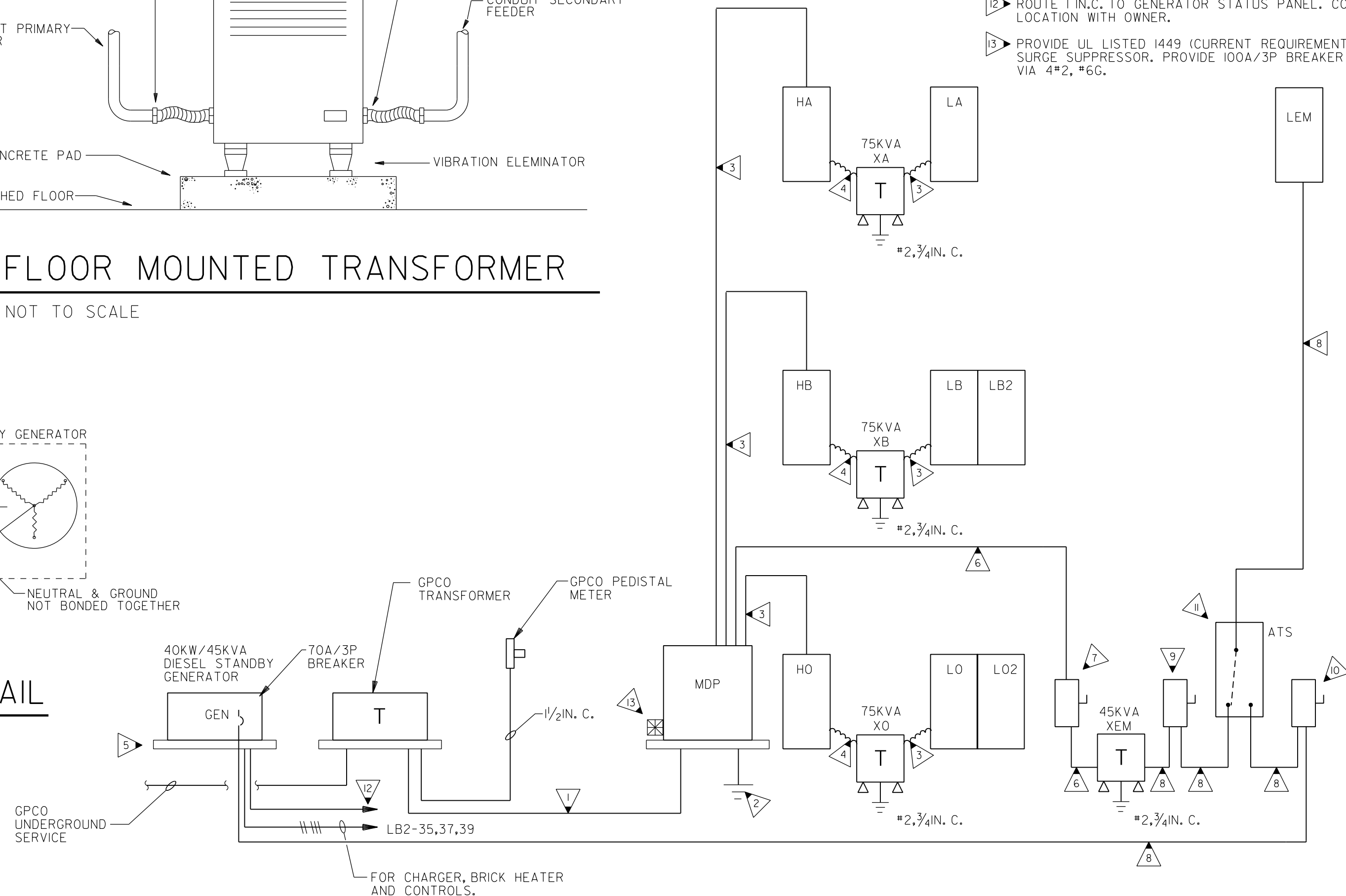
9 ATS GROUNDING DETAIL
E4.01 NOT TO SCALE



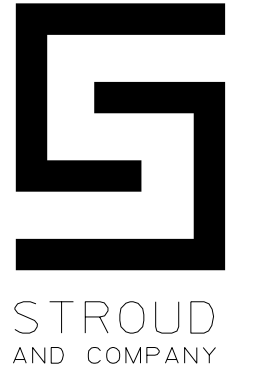
4 GENERATOR PAD DETAIL
E4.01 NOT TO SCALE

KEYED NOTES: (THIS SHEET ONLY)

- 2 SETS; 4#600MCM, 4 IN. C.
- SEE GROUNDING DETAIL THIS SHEET.
- 4#4/0, #4G, 2 1/2 IN. C.
- 3#1, #6G, 1 1/4 IN. C.
- SEE GENERATOR PAD DETAIL ON THIS SHEET.
- 3#4, #8G, 1 IN. C.
- 100A/3P NON-FUSED DISCONNECT SWITCH.
- 4#1/0, #6G, 2 IN. C.
- 208/120V, 3PH, 150A ENCLOSED BREAKER.
- 200A/3P NON-FUSED DISCONNECT SWITCH.
- 208/120V, 3PH, 150A (MIN) RATED AUTOMATIC TRANSFER SWITCH.
- ROUTE 1 IN. C. TO GENERATOR STATUS PANEL. COORDINATE LOCATION WITH OWNER.
- PROVIDE UL LISTED 1449 (CURRENT REQUIREMENT) TRANSIENT VOLTAGE SURGE SUPPRESSOR. PROVIDE 100A/3P BREAKER TO CONNECT UNIT VIA 4#2, #6G.

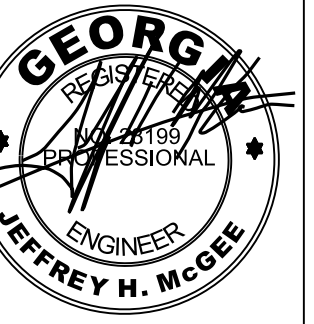


1 POWER RISER DIAGRAM
E4.01 NOT TO SCALE



NEW FACILITY BUILDOUT FOR
CHEM-AQUA
ENGINEERED EQUIPMENT SOLUTIONS
580 JOE TAMPLIN INDUSTRIAL BLVD.
MACON, GEORGIA

DRAWN BY: JHN
CHECKED BY: JHN
DATE: 6-5-2015



ADAMS and DAY
ARCHITECTS, A.I.A., P.C.
2936 VINEVILLE AVENUE • MACON, GEORGIA 31204
PHONE: (478) 745 - 1167

REVISIONS

DRAWING NO.

E4.01

