

1Ø TRANSFORMER PAD INSTALLATION

REVISION: Updated Fiberglass Bend information, Illustration Details, Notes & Table

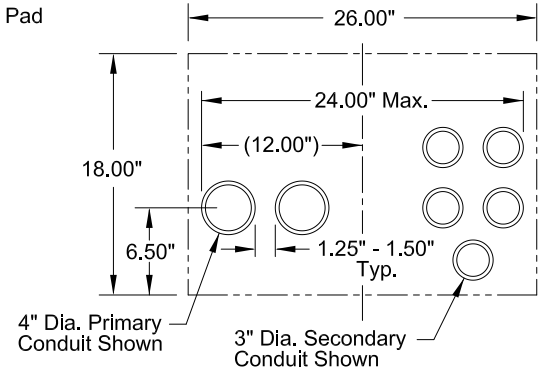
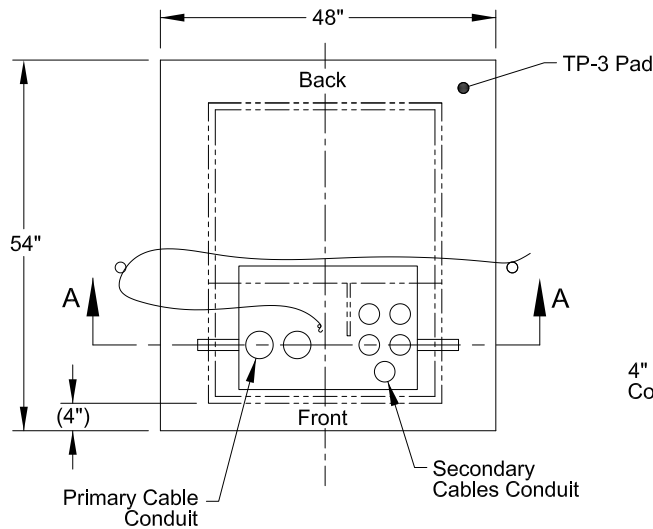
CHECKED BY (ENGINEERING): SJ

DATE: 06/20/14

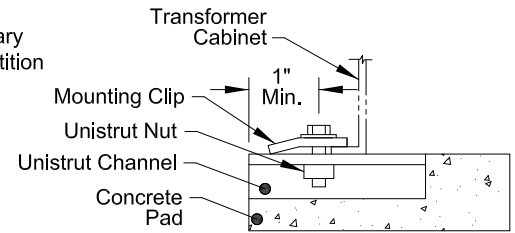
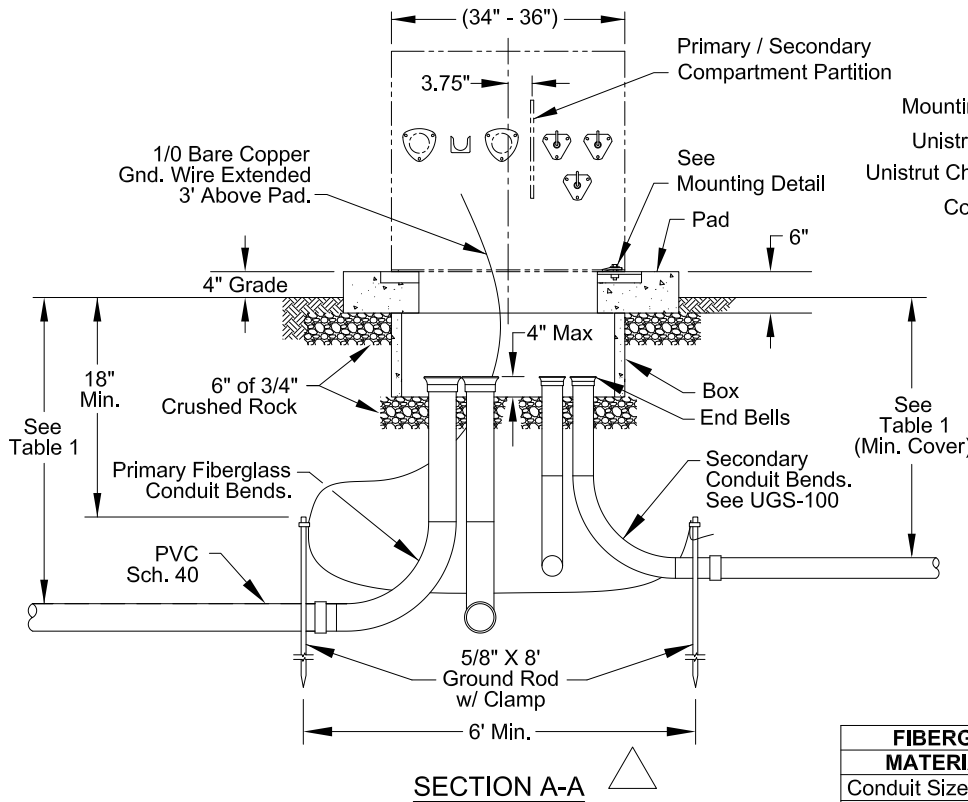
CHECKED BY (FIELD): DM

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1Ø TRANSFORMER CONDUIT LAYOUT FOR TP-3



MOUNTING DETAIL

Table 1

FIBERGLASS RISER SPECIFICATIONS			
MATERIAL	FIBERGLASS RISER BENDS		
Conduit Size	3"	4"	5"
Standard Radius	36"	48"	48"
Install Depth	42"	54"	54"
Cal-Duct Part #'s	3F9036	4F9048	5F9048

Min cover in the duct lines are:

- Secondary (0-600V.) 24"
- Primary (over 600V.) 36"

Notes:

1. See UGS-100.1 for general specifications of conduit installation
2. See UGS-290 for padmount structures protective barriers.
3. See UGS-291 & UGS-295 for clearance requirements for padmount equipment.
4. See UGS-295 for padmount equipment screening.
5. See UGS-620 for Manufacturer Part #'s, details, and dimensions of pad & box.
6. All primary vertical bends shall be fiberglass, Ref. UGS-100.
7. Locate pad as specified on job drawings with verification by the RPU Inspector.
8. Sixty feet of 1/0 bare copper ground wire in direct contact with earth may be substituted for ground rods upon approval of the RPU Inspector.
9. Set pad on 6" of 3/4" crushed rock after trench has been backfilled and compacted.
10. Cap conduits to prevent entrance of debris prior to transformer installation.
11. Install barriers per UGS-290 or protective wall per UGS-291 if pad is exposed to vehicular traffic. A protective wall may also be required to protect pad from embankments.
12. Minimum clearance in front of pad is 8'. Minimum clearance at sides and back is 3' from any surfaces, Ref. UGS-295 for more details.