

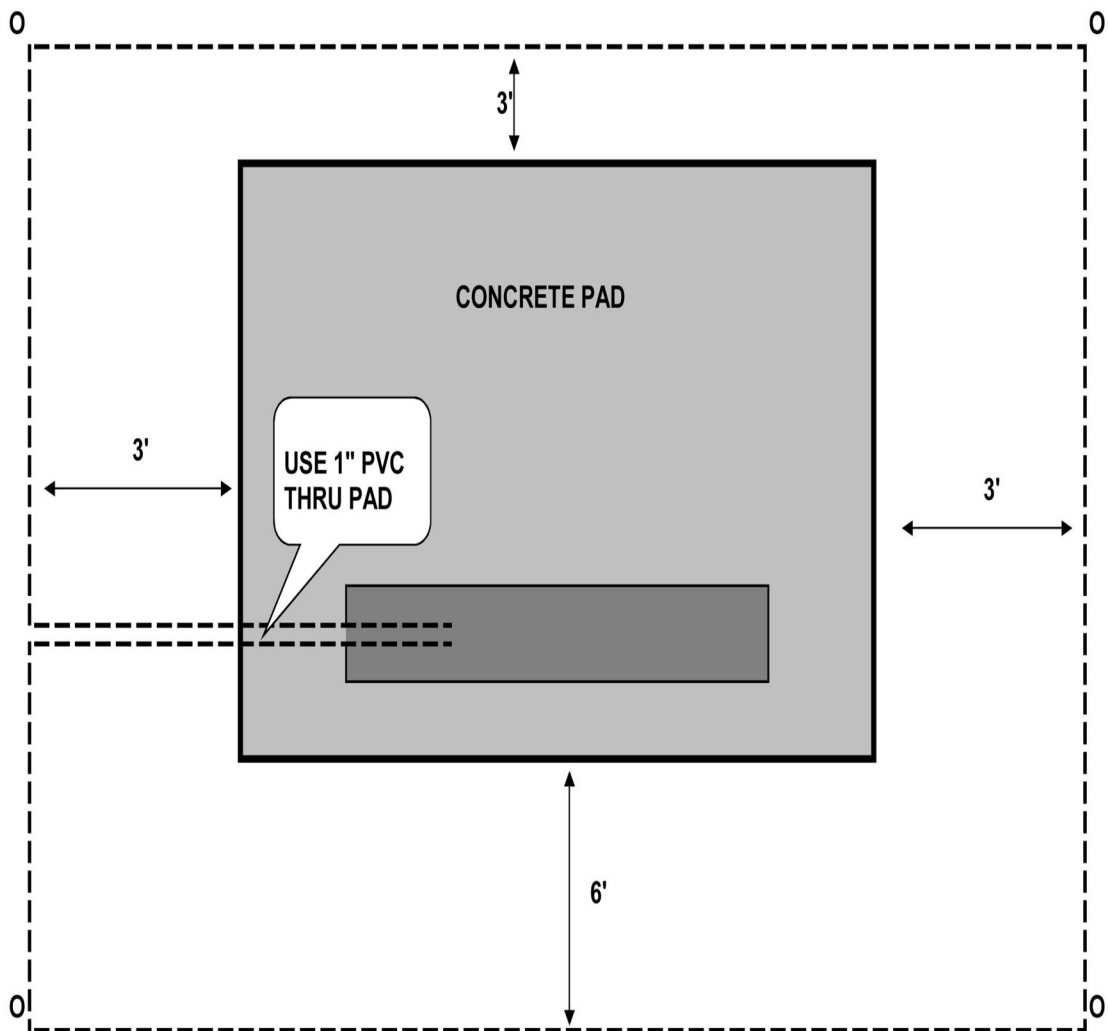
CONCRETE TRANSFORMER PAD SPECIFICATIONS

15 KVA CLASS LOOP-FEED

LIVE AND DEAD FRONT

| KVA RATING | A | B | C | D | E | F | G | H | J | K | L |
|---------------|-----|-----|-----|------|-------|-----|-----|------|----|-----|-----|
| 45 | 76" | 49" | 45" | 9.5" | 10" | 11" | 18" | 8.5" | 6" | 52" | 26" |
| 75 | 76" | 49" | 45" | 9.5" | 10" | 11" | 18" | 8.5" | 6" | 52" | 26" |
| 112.5 | 89" | 83" | 45" | 16" | 10" | 11" | 18" | 8.5" | 6" | 52" | 26" |
| 150 | 89" | 83" | 45" | 16" | 10" | 11" | 18" | 8.5" | 6" | 52" | 26" |
| 225 | 86" | 78" | 58" | 14" | 8" | 16" | 18" | 8.5" | 6" | 52" | 26" |
| 300 | 86" | 78" | 58" | 14" | 8" | 18" | 18" | 8.5" | 6" | 52" | 26" |
| 500 | 96" | 78" | 58" | 19" | 12" | 18" | 18" | 8.5" | 6" | 52" | 26" |
| 750 | 96" | 96" | 58" | 19" | 14.5" | 19" | 18" | 8.5" | 6" | 52" | 26" |
| 1000 | 96" | 96" | 58" | 19" | 14.5" | 19" | 18" | 8.5" | 6" | 52" | 26" |
| 1500 | 96" | 96" | 58" | 19" | 14.5" | 19" | 18" | 8.5" | 6" | 52" | 26" |
| 2000 | 96" | 96" | 58" | 19" | 14.5" | 19" | 18" | 8.5" | 6" | 52" | 26" |
| 2500 | 96" | 96" | 58" | 19" | 14.5" | 19" | 18" | 8.5" | 6" | 52" | 26" |

GROUNDING



GROUNDING GRID 1/0 BARE COPPER
BURIED 6" BELOW FINAL GRADE, RUN
WIRE THRU 1" CONDUIT WITH 5' TAILS
INTO TRANSFORMER PAD.

INSTALL ONE 8' GROUND ROD AT EACH
CORNER OF GROUNDING GRID.

Concrete Notes:

Concrete transformer pad to be poured on undisturbed soil, or if excavation is required, compacted dense grade limestone fill is required.

Concrete strength (Fc) 3000 PSI.

Conduit Notes:

Primary PVC pipe size depends on the application and requires SREC Approval.

All PVC to be schedule 40 except under roadways and above ground.

level which shall be schedule 80 or encased in 12" concrete.

Ditch shall be 42" deep below final grade.

All PVC elbows to be schedule 80 with a 36" sweep.

All trenches to be 90% filled and urd warning tape installed and finish backfill to final grade.

All PVC conduits are to be cut flush or below concrete pad before any wire is pulled.

Blast Wall Notes:

0-75 KVA transformers must be at least 10 feet from Building/Overhang.

76-333 KVA transformers must be at least 20 feet from Building/Overhang.

333 KVA or larger transformers must be at least 30 feet from Building/Overhang.

All padmount transformers should be a min. of 15 feet from any windows or doors.

If transformers must be closer to the building, a firewall is required consisting of a concrete block wall on the back and sides. Walls should be higher than the final transformer height.

If firewall is installed, the unistrut can be omitted and 1" PVC can be mounted on the outside of the firewall. Pad dimensions will have to be increased to account for the width of the wall.