

CONCRETE PAD FOUNDATION PAD-MOUNTED TRANSFORMER GENERAL NOTES

CONSULT COMPANY FOR DETAILS BEFORE INSTALLATION.

NOTES:

1. INSTALL ALL CONDUITS BEFORE PLACING PAD. CONDUITS SHOULD NOT BE PLACED UNDER SECTIONS OF PAD SUPPORTING TRANSFORMER SO THAT ORIGINAL GROUND WILL NOT BE DISTURBED.
2. CONDUIT SHALL BE RIGID TYPE II PVC, SCHEDULE 40, SCHEDULE 80 PVC OR GALVANIZED STEEL.
3. BACKFILL SHALL BE CLEAN GRANULAR SOIL, FREE OF LARGE STONES AND PERISHABLE MATERIAL. ALL BACKFILL SHALL BE SPREAD AND COMPACTED IN MAXIMUM LAYERS OF 8 INCHES.
4. THOROUGHLY COMPACT CRUSHED STONE OR GRAVEL.
5. CONCRETE PAD MAY BE POURED IN PLACE OR MAY BE PRECAST.
6. TO PREVENT WATER MIGRATION FROM CONCRETE WHEN POURING, PLACE WATERPROOF MEMBRANE ON CRUSHED STONE OR GRAVEL BEFORE POURING CONCRETE.
7. REINFORCING WIRE MESH SHALL CONFORM TO ASTM DESIGNATION A185.
8. CEMENT TO BE 1 OR 1-A AND MEETING ASTM DESIGNATIONS C-150 AND C-175 RESPECTIVELY.
9. CONCRETE TO DEVELOP 3000 PSI AT 28 DAY'S AGE, CONTAIN MINIMUM OF 5.5 BAGS OF CEMENT PER CU. YD. AND MAXIMUM OF 6 GALLONS OF WATER PER 94 POUND BAG OF CEMENT, AND CONFORM TO ASTM DESIGNATION C-94. 14 DAY'S MINIMUM DRYING TIME BEFORE TRANSFORMER IS SET. FOR FIGURE 28, VOLUME OF CONCRETE IS APPROXIMATELY 0.7 CU YARDS. FOR FIGURE 29, VOLUME OF CONCRETE IS APPROXIMATELY 1.7 CU YDS.
10. SEAL ALL OPENINGS AROUND CONDUITS WITH GROUT; CAP ALL SPARE CONDUITS TO PREVENT ENTRY OF RODENTS AND ANIMALS INTO TRANSFORMER COMPARTMENT.
11. IF CONDUIT EXTENDS INTO BUILDING, IT SHALL BE SEALED (PER NEC) AT BUILDING END TO PREVENT GAS FROM ENTERING BUILDING THROUGH THE CONDUIT.
12. WHERE DAMAGE TO TRANSFORMER BY VEHICLES IS POSSIBLE, TRANSFORMER SHALL BE PROTECTED BY APPROPRIATE BARRIER SHOWN ON FIGURE 27.
13. COMMUNICATION GROUND - BONDING OF ALL COMMUNICATIONS EQUIPMENT (TELEPHONE, CATV, ETC.) THAT ARE WITHIN 6' OF THE PAD IS REQUIRED. CONNECTION FOR COMMUNICATIONS GROUND SHALL BE MINIMUM #6 SOLID COPPER WIRE, THAT IS ATTACHED DIRECTLY TO THE GROUND RODS, AND EXTENDS 9" BEYOND THE EDGE OF THE CONCRETE PAD FOUNDATION.