3Ø PADMOUNT TRANSFORMER SLAB DETAIL

1500, 2000 & 2500 KVA
20000 POUNDS

EDGE OF BUILDING

1'-8"  5'-2"  1'-8"  4'-0" MINIMUM*

4'-2" X 7"
12" DIAMETER PEIR (TYP)

TWO LAYER W20
6" X 6" WELD WIRE MESH TOP & BOTTOM.

1-4" NON-METALLIC CONDUIT WITH 90°
36" RADIUS BEND FOR PRIMARY CABLES

8-2#4 X 2'-6"
2 EACH CORNER

4 - 2#4 X 6'
58" X 8" GROUND ROD FURNISHED AND INSTALLED BY OPPD.
SAFE ZONE FOR GROUND ROD INSTALLATION SHALL BE MARKED.

AREA WITHIN PROTECTION PIPES MUST BE CLEAR FOR OPENING OF TRANSFORMER DOORS AND MAINTENANCE. A TOTAL OF 10' OF CLEARANCE IS REQUIRED IN FRONT OF THE TRANSFORMER.

MINIMUM 4" IRON PROTECTION PIPES TO BE SET 3'-6" ABOVE AND 3'-6" BELOW GRADE. SET IN CONCRETE. CAP PIPE. A 6" "I" BEAM MAY BE SUBSTITUTED.

THE EXISTING SOIL SHALL BE EXCAVATED AND BACKFILLED WITH A CLEAN ACCEPTABLE GRANULAR FILL AND THOROUGHLY COMPACTED TO 90% OF MAXIMUM DENSITY PER ASTM D2049 AND D1556.

SLAB TO BE MADE OF CONCRETE WITH A MINIMUM 28 DAY STRENGTH OF 4,000 PSI AND 6% AIR CONTENT

ALL MATERIAL FURNISHED BY THE CUSTOMER SHALL EQUAL OR EXCEED THE STANDARDS AS SPECIFIED IN THE "NATIONAL ELECTRICAL CODE"

ALL CUSTOMER INSTALLED PRIMARY CONDUITS TO BE RODDED IN PROVEN CLEAR, AND A JET LINE TO BE LEFT IN EACH CONDUIT

ALL CONDUITS ENTERING SLAB TO BE VERTICAL AND 90° ANGLE WITH TOP OF SLAB

TOP OF SLAB MUST BE SMOOTH, FLAT AND LEVEL.

NO WALLS TO BE BUILT AROUND OR CANOPIES ABOVE TRANSFORMER. PLACE TRANSFORMER AWAY FROM DOORS, WINDOWS, & BUILDING OPENINGS.

CUSTOMER TO FURNISH ALL MATERIAL, EXCEPT WHERE NOTED

ORGANIC AND/OR OTHER UNSUITABLE MATERIAL SHALL BE REMOVED FROM SUBGRADE AND BACKFILL AREAS AND BACKFILLED WITH ACCEPTABLE GRANULAR FILL, COMPACTED TO 95% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT ASTM D1557 AND D2049.

IF THE TOP THREE (3) FEET OF SUBGRADE BENEATH THE SLAB IS SUSCEPTIBLE TO A HIGH WATER TABLE OR PERIODIC SATURATION, THE EXISTING SOIL SHALL BE EXCAVATED, AND BACKFILLED WITH A CLEAN ACCEPTABLE GRANULAR FILL AND THOROUGHLY COMPACTED TO 90% OF MAXIMUM DENSITY PER ASTM D2049 AND D1556.

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TWO HOURS FIRE RESISTANT CONSTRUCTION NON-COMBUSTIBLE CONSTRUCTION COMBUSTIBLE CONSTRUCTION

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Revised 01-15-20 By CLS
DESIGN ENTRY BY: ROBERT B ADAMS

ISSUED DATE