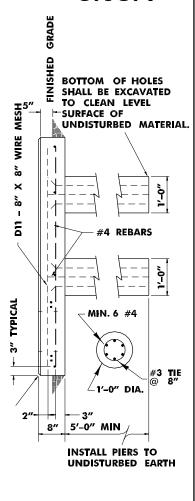
3Ø PADMOUNT TRANSFORMER SLAB DETAIL

75 KVA TO 500 KVA 7000 POUNDS

, EDGE OF BUILDING / / / / / / / / / / / / MINIMUM C_L PIERS CL PIERS 1'-6" 4'-0" MINIMUM* 1'-6" 3'-6" 12" DIAMETER PIER (TYP) 3" COVER ONE LAYER D11 (TYP) 8" X 8" STEEL MESH. **CUT HOLE FOR** CL PIERS OPENING. 4" NON-METALLIC CONDUIT(S) WITH 90° 36" RADIUS BEND(S), 1" SEPARATION, FOR PRIMARY CABLE, REFER TO METER SPECIFICATIONS FOR CL PIERS QUANTITY REQUIRED <u>1′-</u>6″ Φ TYPICAL ' 8- #4' x 2' REBARS 2- EACH CORNER 5/8" X 8' GROUND ROD FURNISHED AND 1'-0" 1′- 8″ MAX INSTALLED BY OPPD MAX 3'-2" 14-#4 X 6'-0" REBAR-1'-9" 6'-6" MINIMUM SECONDARY DUCTS 5 1/2" ON CENTER MAXIMUM 5" DUCT MAXIMUM 6 DUCTS MAXIMUM 6 CON-**DUCTORS PER PHASE** MINIMUM 4" IRON PROTECTION PIPES TO BE SET 3'-6" ABOVE POSITION CONDUIT AT AND 3'-6" BELOW GRADE. SET IN CONCRETE. CAP PIPE. A 6" RIGHT OF OPENING AREA WITHIN PROTECTION PIPES "I" BEAM MAY BE SUBSTITUTED. MUST BE CLEAR FOR OPENING OF TRANSFORMER DOORS AND MAINTENANCE. 4'-9" 4'-9"

8.08.4



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.

Revised 06-02-17

DESIGN ENTRY BY: ROBERT B ADAMS

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

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

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 AND PROVEN CLEAR, AND A JET LINE TO BE LEFT IN EACH CONDUIT

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

* THIS DRAWING SHOWS THE MINIMUM CLEARANCE NEEDED FOR PHYSICAL REASONS; FACTORY MUTUAL INSURANCE COMPANY RECOMMENDS THE FOLLOWING SEPARATION DISTANCES BETWEEN THE SPECIFIED TYPE OF BUILDING AND TRANSFORMER FOR MINERAL-OIL FILLED TRANSFORMERS WITH UNDER 500 GALLONS OF OIL. BUILDING OWNERS AND THEIR CONTRACTORS ARE RESPONSIBLE FOR LOCATING THE SLAB PER OPPD MINIMUM CLEARANCE GUIDELINES AND THEIR INSURANCE COMPANY RECOMMENDATIONS.

COORDINATE WITH OPPD TO INSPECT SITE PRIOR TO POURING CONCRETE. INSPECTION WILL INCLUDE LOCATION AND DEPTH OF HOLES FOR SUPPORT PIERS (IF REQUIRED), AND CONDUIT PLACEMENT. OPPD INSPECTION DOES NOT INCLUDE INSPECTING FOR INSURANCE RECOMMENDED BUILDING CLEARANCES.

TWO HOURS FIRE RESISTANT CONSTRUCTION	NON-COMBUSTIBLE CONSTRUCTION	COMBUSTIBLE CONSTRUCTION
5′	15′	25′

By AMJ

CONSTRUCTION
25′