## 3Ø PADMOUNT TRANSFORMER SLAB DETAIL 500 KVA TO 1000 KVA 9000 POUNDS 8.08.5 //////////////////EDGE OF BUILDING/////////////// GRADE CL PIER C<sub>L</sub> PIER MINIMUM FINISHED 1'- 6" 1'- 6" 4'-0" MINIMUM\* 4'- 6" 4′-0″ **BOTTOM OF HOLES** 5" SHALL BE EXCAVATED MESH TO CLEAN LEVEL SURFACE OF UNDISTURBED 12" DIAMETER 3" COVER WIRE MATERIAL PEIR (TYP) (TYP) 1'-6" **"9** PER 1,0,1 × ONE LAYER D20 ۵ **%** 6" X 6" STEEL MESH. CUT HOLE FOR 1 è **#4 REBAR D**20 OPENING 1-4" NON-METALLIC PIER CONDUIT WITH 90° 1,0,1 36" RADIUS BEND J FOR PRIMARY CABLES #4 X 2' REBARS 2 EACH CORNER **TYPICAL** MIN. 6 #4 TYPICAL è #3 TIE 8" ⊥ J 5/8" X 8' GROUND 1'-0" DIA. ROD FURNISHED AND INSTALLED BY OPPD 1'\_0" 3. MAX 4'-0" 1'-10" 1'-8" CHAMFER 14 - #4 X 7'-0"REBAR 3" 7'-6" 5'-0" MIN 8" MINIMOM SECONDARY DUCTS $\bigcirc$ 5 1/2" ON CENTER INSTALL PIERS TO 34. ALL MAXIMUM 5" DUCT UNDISTURBED EARTH AREA WITHIN PROTECTION PIPES **MAXIMUM 8 DUCTS** TYPICAL MUST BE CLEAR FOR OPENING MAXIMUM 8 CON-**%**'-0" OF TRANSFORMER DOORS AND **DUCTORS PER PHASE** MAINTENANCE. POSITION AT RIGHT MINIMUM 4" IRON PROTECTION OF OPENING PIPES TO BE SET 3'-6" ABOVE AND 3'-6" BELOW GRADE. SET IN CONCRETE. CAP PIPE. A 6" "I" BEAM MAY BE SUBSTITUTED. 5'-3" 5'-3" ORGANIC AND/OR OTHER UNSUITABLE MATERIAL SLAB TO BE MADE OF CONCRETE SHALL BE REMOVED FROM SUBGRADE AND WITH A MINIMUM 28 DAY STRENGTH ALL MATERIAL FURNISHED BY THE BACKFILL AREAS AND BACKFILLED WITH OF 4,000 PSI AND 6 % AIR CONTENT **CUSTOMER SHALL EQUAL OR EXCEED** ACCEPTABLE GRANULAR FILL, COMPACTED TO 95 % OF MAXIMUM DENSITY AT OPTIMUM THE STANDARDS AS SPECIFIED IN THE "NATIONAL ELECTRICAL CODE" MOISTURE CONTENT ASTM D1557 AND D2049. IF THE TOP THREE (3) FEET OF SUBGRADE ALL CUSTOMER INSTALLED PRIMARY BENEATH THE SLAB IS SUSCEPTIBLE TO A CONDUITS TO BE RODDED AND PROVEN CLEAR, AND A JET LINE TO BE LEFT IN HIGH WATER TABLE OR PERIODIC SATURATION, THE EXISTING SOIL SHALL BE EXCAVATED **EACH CONDUIT** AND BACKFILLED WITH A CLEAN ACCEPTABLE **GRANULAR FILL AND THOROUGHLY COMPACTED** ALL CONDUITS ENTERING SLAB TO BE TO 90% OF MAXIMUM DENSITY PER ASTM VERTICAL AND AT A 90° ANGLE WITH D2049 AND D1556. TOP OF SLAB \* THIS DRAWING SHOWS THE MINIMUM CLEARANCE NEEDED FOR PHYSICAL REASONS; FACTORY MUTUAL INSURANCE COMPANY RECOMMENDS THE TOP OF SLAB MUST BE SMOOTH, FOLLOWING SEPARATION DISTANCES BETWEEN THE SPECIFIED TYPE OF FLAT AND LEVEL. 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. NO WALLS TO BE BUILT AROUND OR CANOPIES ABOVE TRANSFORMER. PLACE TRANSFORMER AWAY FROM DOORS, TWO HOURS FIRE RESISTANT NON-COMBUSTIBLE COMBUSTIBLE WINDOWS, & BUILDING OPENINGS.\*

CONSTRUCTION

DESIGN ENTRY BY: ROBERT B ADAMS

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CONSTRUCTION

15′

By AMJ

CONSTRUCTION

25′

CUSTOMER TO FURNISH ALL MATERIAL,

**EXCEPT WHERE NOTED** 

ISSUED DATE