## PADMOUNT TRANSFORMER SLAB DETAIL **75 KVA TO 500 KVA 7000 POUNDS** 8.08.4 EDGE OF BUILDING GRADE C<sub>L</sub> PIERS C<sub>L</sub> PIERS 4'-0" MINIMUM\* 1'-6" 3'-6" 1'-6" **BOTTOM OF HOLES** SHALL BE EXCAVATED TO CLEAN LEVEL SURFACE OF UNDISTURBED MATERIAL. WIRE 12" DIAMETER PIER (TYP) — ONE LAYER W11 3" COVER (TYP) ò 8" X 8" STEEL MESH. CUT HOLE FOR × CL PIERS OPENING. ŵ 4" NON-METALLIC CONDUIT(S) WITH 90° 36" RADIUS BEND(S), #4 REBARS 1" SEPARATION, FOR PRIMARY CABLE, REFER TO METER 1′-0″ SPECIFICATIONS FOR -CL PIERS QUANTITY REQUIRED <u>1′–</u>6″ Ф $\bigcirc$ TYPICAL MIN. 6 #4 8- #4' x 2' REBARS 2- EACH CORNER 5/8" X 8' GROUND ... ROD FURNISHED AND INSTALLED BY OPPD. #3 TIE 8" SAFE ZONE FOR 1′-0″ 1′<u>– 8′</u> MAX 1'-0" DIA. GROUND ROD MAX INSTALLATION SHALL <u>3′–</u>2″ 1'-7" BE MARKED. 5'-0" MIN 8" MINIMOM SECONDARY DUCTS 5 1/2" ON CENTER INSTALL PIERS TO MAXIMUM 5" DUCT UNDISTURBED EARTH 14-#4 X 6'-0" REBAR MAXIMUM 6 DUCTS MAXIMUM 6 CON-**DUCTORS PER PHASE** MINIMUM 4" IRON PROTECTION **POSITION CONDUIT AT** PIPES TO BE SET 3'-6" ABOVE RIGHT OF OPENING AND 3'-6" BELOW GRADE. SET IN CONCRETE. CAP PIPE. A 6" AREA WITHIN PROTECTION PIPES MUST BE CLEAR FOR OPENING "I" BEAM MAY BE SUBSTITUTED. OF TRANSFORMER DOORS AND MAINTENANCE. A TOTAL OF 10' OF CLEARANCE IS REQUIRED IN FRONT OF THE TRANSFORMER. <u>4′-9″</u> 4'\_9" ORGANIC AND/OR OTHER UNSUITABLE MATERIAL ALL MATERIAL FURNISHED BY THE SLAB TO BE MADE OF CONCRETE SHALL BE REMOVED FROM SUBGRADE AND WITH A MINIMUM 28 DAY STRENGTH CUSTOMER SHALL EQUAL OR EXCEED BACKFILL AREAS AND BACKFILLED WITH THE STANDARDS AS SPECIFIED IN THE OF 4,000 PSI AND 6 % AIR CONTENT ACCEPTABLE GRANULAR FILL, COMPACTED TO "NATIONAL ELECTRICAL CODE" 95 % OF MAXIMUM DENSITY AT OPTIMUM TOP OF SLAB MUST BE SMOOTH, MOISTURE CONTENT ASTM D1557 AND D2049. IF THE TOP THREE (3) FEET OF SUBGRADE FLAT AND LEVEL. ALL CUSTOMER INSTALLED PRIMARY NO WALLS TO BE BUILT AROUND OR CONDUITS TO BE RODDED AND PROVEN BENEATH THE SLAB IS SUSCEPTIBLE TO A **CANOPIES ABOVE TRANSFORMER. PLACE** CLEAR, AND A JET LINE TO BE LEFT IN HIGH WATER TABLE OR PERIODIC SATURATION, EACH CONDUIT TRANSFORMER AWAY FROM DOORS, THE EXISTING SOIL SHALL BE EXCAVATED WINDOWS, & BUILDING OPENINGS. AND BACKFILLED WITH A CLEAN ACCEPTABLE ALL CONDUITS ENTERING SLAB TO BE VERTICAL AND AT A 90° ANGLE WITH GRANULAR FILL AND THOROUGHLY COMPACTED CUSTOMER TO FURNISH ALL MATERIAL, TO 90% OF MAXIMUM DENSITY PER ASTM TOP OF SLAB **EXCEPT WHERE NOTED** D2049 AND D1556. THIS DRAWING SHOWS THE MINIMUM CLEARANCE NEEDED FOR PHYSICAL COORDINATE WITH OPPD TO INSPECT SITE PRIOR TO REASONS; FACTORY MUTUAL INSURANCE COMPANY RECOMMENDS THE POURING CONCRETE. INSPECTION WILL INCLUDE LOCATION FOLLOWING SEPARATION DISTANCES BETWEEN THE SPECIFIED TYPE OF AND DEPTH OF HOLES FOR SUPPORT PIERS (IF REQUIRED), BUILDING AND TRANSFORMER FOR MINERAL-OIL FILLED TRANSFORMERS WITH AND CONDUIT PLACEMENT. OPPD INSPECTION DOES NOT UNDER 500 GALLONS OF OIL BUILDING OWNERS AND THEIR CONTRACTORS INCLUDE INSPECTING FOR INSURANCE RECOMMENDED ARE RESPONSIBLE FOR LOCATING THE SLAB PER OPPD MINIMUM CLEARANCE **BUILDING CLEARANCES.** GUIDELINES AND THEIR INSURANCE COMPANY RECOMMENDATIONS. NON-COMBUSTIBLE

COMBUSTIBLE

CONSTRUCTION

25'

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CONSTRUCTION

15'

TWO HOURS FIRE RESISTANT

5'

CONSTRUCTION

ISSUED DATE