



NOTES

1. #6 AWG CONTROLLER CABINET GROUND SHALL NOT BE BONDED TO ANY GROUND SYSTEM EXCEPT AT THE GROUND BUS OF THE SUPPLY CONTROL CABINET.
2. #6 AWG POLE SYSTEM GROUND (WITH OR WITHOUT LIGHTING) MAY CONNECT TO THE #2/0 GRID OF THE SERVICE GROUND OR TO THE GROUND BUS OF THE SUPPLY CONTROL CABINET.
3. TWO 254mm X 406mm HOT DIPPED GALVANIZED SOLID STEEL PLATES OR FOUR 20mm X 3000mm STEEL GROUND RODS SHALL BE SPACED AT 3.0 METRES IN ANY PATTERN. 5.5 METRE SPACING REQUIRED BETWEEN THE BASE OF THE SUPPLY POLE AND THE NEAREST GROUND ROD/PLATE. THERMITE WELD CONNECTIONS OR MECHANICAL CLAMPS SHALL BE USED TO CONTINUOUSLY CONNECT GROUND RODS/PLATES WITH #2/0 AWG BARE COPPER WIRE. 5.0 METRES OF #2/0 WIRE SHALL BE COILED AT BASE OF SUPPLY POLE FOR CONNECTION TO SUPPLY CONTROL CABINET GROUND BUS.
4. REFER TO OPSS 609.
5. WHERE A SUPPLY CONTROL CABINET IS INSTALLED ON A TRANSFORMER POLE, REFER TO THE ONTARIO ELECTRICAL SAFETY CODE SECTION 75-408 FOR CONNECTING SUPPLY CONTROL CABINET GROUND TO SUPPLY AUTHORITY GROUND.

ALL DIMENSIONS IN MILLIMETERS EXCEPT WHERE NOTED.



WORKS DEPARTMENT

ELECTRICAL GROUNDING SYSTEM

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