



**NOTES:**

- 1 For duct entry details see OPSD 2123.030.
  - 2 For handholes with metal frames, ground wire shall be attached to frame using a ground lug suitable for #6 AWG stranded copper wire.
  - 3 For handholes with metal covers and non-metallic frames or handholes with metal covers not bolted to the metal frame, the ground wire shall be attached to the handhole cover using a ground lug suitable for #6 AWG flat braided copper wire with 1m of slack above finished grade.
  - 4 Concrete collar is required around the complete perimeter of all electrical handholes except:
    - a) concrete electrical handholes, or
    - b) handholes installed in concrete pavement or sidewalk.
  - 5 In raised traffic islands, install 12mm expansion board at back of curb and install concrete collar to suit.
  - 6 For handholes with only extra low-voltage cables with metal frames and covers, grounding and bonding is not required.
- A For specific handhole details see OPSD 2112.010, 2112.020, 2112.030, 2112.040, 2112.050, and 2113.010.
- B All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING

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**ELECTRICAL HANDHOLES**  
GENERAL INSTALLATION REQUIREMENTS



**OPSD 2117.020**