



NOTES:

- 1 Adhesive anchor installation and embedment depth shall be as per manufacturer's requirements. The embedment depth shall not be greater than 80% of concrete thickness.
- 2 Concrete cover to reinforcing steel 70 ± 10 mm.
- 3 Steps shall have a uniform run of not less than 250mm but not more than 355mm, and a uniform rise of not less than 125mm but not more than 200mm.
- A Number of steps as specified.
- B The difference in elevation between the adjacent ground level and steps shall not exceed 600mm.
- C Class of concrete to be 30MPa.
- D Reinforcing steel shall be according to CAN/CSA-G30.18-M92 (R1998) Grade 400.
- E Threaded rod for adhesive anchors shall be equivalent to ASTM A325.
- F Pipe shall be according to ASTM Specification A53 Grade 'B'.
- G Steel plate shall be according to CSA G40.20/G40.21-98 Grade 300W.
- H All pedestrian railing components to be hot dip galvanized after fabrication in conformance with CAN/CSA-G164-M92 (R1998).
- I All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING

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CONCRETE STEPS

SLAB ON GRADE

OPSD - 512.011

