



**NOTES:**

- 1 Threaded inserts for the attachment of thrust blocks shall be 15M equivalent and Dayton Superior DBR system or equal with strength of 125% of yield strength of coupled rebar. For location and number of inserts see OPSD 1101.018.
  - 2 If no opening in a single riser, the height of that riser may be 2000 to 4500mm.
  - 3 A+B shall be a minimum of L/2.
- A Reinforcing steel shall be according to CSA G30.18, Grade 400W. Inside diameter of bends shall equal six bar diameters. Additional reinforcing shall be rebar Grade 400W.
- B Main reinforcing shall be welded wire fabric,  $f_y=500\text{MPa}$ , according to ASTM A497M. Minimum bend shall be six bar or four wire diameters.
- C Precast concrete strength shall be 40MPa.
- D Clear cover to reinforcing in precast shall be a minimum of 40mm and a maximum of 50mm.
- E This OPSD shall be read in conjunction with OPSD 1101.016, 1101.018, and 1101.019.
- F All dimensions are nominal.
- G All dimensions are in millimetres unless otherwise shown.

<p><b>ONTARIO PROVINCIAL STANDARD DRAWING</b></p> <p><b>PRECAST CONCRETE VALVE CHAMBER WITH POURED-IN-PLACE THRUST BLOCKS</b></p> <p><b>2400 x 3000mm RISER AND BASE</b></p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Nov 2018</td> <td style="padding: 2px;">Rev</td> <td style="padding: 2px;">3</td> </tr> </table>	Nov 2018	Rev	3	
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<p><b>OPSD 1101.017</b></p>					