



Access Hatches - Type GTSS

Part 1- General

1.1 Standards

Conform to CSA W59.1 Welded Stainless Steel Construction and CSA W47.1 Certification of Companies for Fusion Welding of Stainless Steel.

1.2 Quality Assurance

.1 Welding shall only be undertaken by a company Certified by the Canadian Welding Bureau to the requirements of CSA Standard W47.1, Certification of Companies for the Fusion Welding of Stainless Steel.

1.3 Shop Drawings

- .2 Submit shop drawings in accordance with Section 01300 - Submittals.
- .3 Indicate materials, thicknesses, reinforcement, details and accessories.
- .4 Manufacturer shall supply installation drawings and instructions.
- .5 Shall be stamped by a P.Eng. registered in the Province of Ontario.

Part 2- Products

2.1 Materials

- .6 Structural Shapes: Type 304 or 316 Stainless Steel
- .7 Checkered Tread Plate to Type 304 or 316 Stainless steel.
- .8 Fasteners, gas spring, and hold open arm in 316 stainless steel.
- .9 Hinges, 304 or 316 stainless steel weld on

2.2 Fabrication

- .10 Fabricate square, true, and accurate to required size, with joints closely fitted. Remove all burrs and sharp edges.
- .11 Ensure hinges are vandal proof - secure bolts with nylon insert lock nuts.
- .12 Countersink all fasteners - ensure hatch is flush.
- .13 Paint all surfaces coming in contact with concrete with one thick coat of bituminous paint.



2.3 Access Hatches

- .1 Provide the appropriate frames and covers to the dimensions on the Contract Drawings. Ensure all covers are:
 - .a hinged with 304 or 316 stainless steel weld on hinges as required,
 - .b framed with a flush angle frame with perimeter cast anchors, D profile neoprene sealing gasket,
 - .c provided with compression latches,
 - .d optionally equipped a padlock tab,
 - .e equipped with a gas spring for easy operation,
 - .f equipped with a hold open arm to restrain an open hatch in a vertical position,
 - .g equipped with tamper proof fasteners,
 - .h equipped with door leaf made of 6.35mm thick slip resistant diamond pattern plate,
 - .i equipped with compression latches on 3 sides for positive hold down.
 - .j reinforced to withstand a live load of 7.2KN/m², 14.4KN/m², CL-625, CL-800 or H-20 Occasional Traffic Loading as defined in the OHBDC.

Part 3- Execution

3.1 Installation

- .2 Install access hatches where indicated on the contract drawings.