



Access Hatches - Type C

Part 1- General

1.1 Standards

- .1 Conform to CAN3 S157 Strength Design in Aluminum.
- .2 Conform to CSA W59.2 Welded Aluminum Construction and CSA W47.2 Certification of Companies for Fusion Welding of Aluminum.
- .3 Access Hatches shall be MSU Mississauga Type C as manufactured by MSU Mississauga Ltd. 2222 S. Sheridan Way, Mississauga, Ontario L5J 2M4, 1-800-268-5336, www.msumississauga.com, sales@msumississauga.com

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 W47.2, Certification of Companies for the Fusion Welding of Aluminum.

1.3 Shop Drawings

- .1 Submit shop drawings in accordance with Section 01300 - Submittals.
- .2 Indicate materials, thickness, weld symbols, reinforcement, details and accessories.
- .3 Manufacturer shall supply installation drawings and instructions.

Part 2- Products

2.1 Materials

- .1 Aluminum Extruded Shapes: to CSA HA.5, Alloy 6061 T6.
- .2 Aluminum Tread Plate to CSA HA.5 Alloy 6061 T6.
- .3 All fasteners 304 stainless steel.
- .4 Aluminum Welding wire -4043.

2.2 Fabrication

- .1 Fabricate square, true, and accurate to required size, with joints closely fitted. Remove all burrs and sharp edges.
- .2 Apply two coats of Bituminous Paint on all aluminum surfaces in contact with concrete.



2.3 Aluminum Access Hatches

- .1 Covers shall be fabricated of 6.35mm aluminum tread plate, reinforced on underside to eliminate war page and limit deflection, capable of with standing a liveload of 14.2KN/m2.
- .2 Frames shall be fabricated from extruded aluminum with a minimum thickness of 6.35mm (1/4") complete with welded 100mm (4") long strap anchors located at 300mm (12") on center. Hatch frame shall be flush with checker plate lid.
- .3 Access Hatches shall be equipped with the following:
 - .a Recessed Stainless Steel Hinge continuous hinges
 - .b 90 deg. Hold Open Arm
 - .c Recessed Drop Handle
 - .d External Lock Tab - Lockable with padlock
 - .e All 304 Stainless Steel hardware
 - .f Welded on Strap Anchors
- .4 Access Hatches shall be Type C as manufactured by MSU MISSISSAUGA LTD. or approved equal.

Part 3- Execution

3.1 Floor Access Hatches

- .1 Install access hatches where indicated on the contract drawings.
- .2 Ensure all aluminum work embedded in or in contact with concrete has two coats of an approved bituminous paint.