



## MSU Type RSL Aluminum Safety Platforms

### Part 1- General

#### 1.1 Standards

- .1 Conform to CAN3-S157 -M83 Strength Design in Aluminum.
- .2 Conform to CSA W59.2 -M191 Welded Aluminum Construction and CSA W47.2-M1987 Certification of Companies for Fusion Welding of Aluminum.
- .3 Occupational Health and Safety Act Section 89.
- .4 Safety Platforms shall be MSU Mississauga Type RSL as manufactured by MSU Mississauga Ltd. 2222 S. Sheridan Way, Mississauga, Ontario L5J 2M4, 1-800-268-5336, [www.msumississauga.com](http://www.msumississauga.com), [sales@msumississauga.com](mailto: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-M1987, 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, thicknesses, 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-M1980, Alloys 6061, 6063 or 6351 in Temper 6.
- .2 Fasteners in 304 stainless steel.
- .3 Concrete to be minimum 3000 psi.

#### 2.2 Fabrication

- .1 Fabricate square, true, and accurate to required size, with joints closely fitted. Remove all burrs and sharp edges.

#### 2.2 Fabrication (continued)

- .2 Panels shall consist of 50mm wide and 40mm deep rungs fitted and riveted into 2 34mm wide by 54mm deep side rails.



- .3 Main structural supports shall be angle either 76mm by 76mm by 9mm or 76mm by 76mm by 12,5mm. Supports shall attach to concrete walls with MSU type AB wall brackets.
- .4 Each panel shall be equipped with an MSU type SLH self locking hinge. Panel shall lock in place vertically when open.
- .5 Type AB wall brackets will bolt to walls with 12 x 95mm wedge anchor assemblies as manufactured by Hilti.
- .6 Aluminum surfaces coming in contact with concrete shall be isolated with two coats of bituminous paint.

### **2.3 Aluminum Safety Platforms**

- .1 Provide the appropriate safety platforms complete with all necessary attachment brackets to the dimensions on the Contract Drawings. Ensure all safety platforms are:
  - .a assembled using GMAW or GTAW welding methods, and
  - .b MSU type VS.

## **Part 3- Execution**

### **3.1 Installation**

- .1 Install safety platforms where indicated on the drawings.