



Aluminum Handrailing – Type HR

Part 1- General

1.1 Standards

- .1 Conform to CAN3-S157 -M83 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 Design handrailing in accordance with the Ontario Building Code.
- .4 Handrailing shall be MSU Mississauga Type HR 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 and CSA Standard W59.2, Welded Aluminum Construction. Letter of validation issued by the Canadian Welding Bureau to be included with tender submission.
- .2 Successful welding company to submit data sheets for each welding procedure noted on the engineering drawings. Provide proof of individual welder qualifications for all procedures that are required in this tender.

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 Shop drawings shall be stamped by a professional engineer registered in the Province of Ontario.

Part 2- Products

2.1 Materials

- .1 Aluminum Extruded Shapes: to CSA HA.5-M1980, Alloy 6061-T6
- .2 Fasteners and anchors to be 316 stainless steel.



2.2 Fabrication

- .1 Fabricate square, true, and accurate to required size, with joints closely fitted. Remove all burrs and sharp edges.
- .2 Clear satin anodize to 10 microns.
- .3 Paint all surfaces coming in contact with concrete with one thick coat of bituminous paint or isolate with neoprene.

Part 3- Execution

3.1 Installation

- .1 Install railings where indicated on the drawings.