



## MSU Type TB Trash Baskets

### 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.

#### 1.4 Quality Assurance

- .1 Welding shall be undertaken only 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.

#### 1.5 Shop Drawings

- .1 Submit shop drawings in accordance with Section 01300 - Submittals.
- .2 Indicate materials, thicknesses, weld symbols, reinforcement, details and accessories.

### 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 Trash basket shall slide vertically along 2" sch 40 galvanized steel guide bars. Guide bars shall be fastened to structure wall every 2M.
- .3 Trash basket shall be as wide as the incoming effluent piping plus 25mm on either side of opening.
- .4 Rods of basket shall be 10mm diameter rod, frame shall be 38 x 38 x 6mm angle, bottom and back of basket shall be 6mm plate. Trash basket to be made entirely of aluminum.
- .5 Trash basket to be supplied with 5.6mm galvanized chain.



## **2.2 Fabrication (continued)**

- .6 Guide bar support brackets will bolt to walls with 12 x 95mm wedge anchor assemblies as manufactured by Hilti.
- .7 Aluminum surfaces coming in contact with concrete shall be isolated with 1.58mm thick 80 durometer neoprene isolation pads or with two coats of bituminous paint.

## **2.3 Trash Baskets**

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

## **Part 3 – Execution**

### **3.1 Installation**

- .1 Install trash baskets where indicated on the drawings.