

## **1. GÉNÉRAL**

### **1.1 INCLUDED WORK**

1. Foot grilles with two latches per panel, 1220 X1220 mm; for location see plans.

### **1.2 SHOP DRAWING**

1. Submit shop drawings as prescribed in Section 01 33 00.
2. Specify the materials, thicknesses, finishes, couplings, joints, anchorings (system and number), sills, bracings, details, and accessories..

### **1.3 .SAMPLES**

1. submit to the Departmental Representative samples of colors for non-slip vinyl inserts that will be installed in the blades of the scraper grid

## **2. PRODUCTS**

### **2.1 MATERIALS**

1. Frames manufactured in sections of extruded aluminium, alloy profile 6351-T6, welded with argon at each corner and on immediate cross-frames, in compliance with the ASTM B221 M79 standard, with BORDER type frame; see detail for the desired profile.
2. Sections of immediate frames solidly supported to keep grille deflexion to a minimum.
3. Frame surfaces in contact with masonry will receive a coat of bituminous paint.
4. Removable grilles formed of extruding aluminum T-shaped blades of alloy 6351-T6 with insertion of gray slip-resistant vinyl, in compliance with the ASTM B221 M79 standard, firmly inserted in oval tubes of the same alloy with notches and entrapped by a pin inserted in the perforated holes of the blades; 5 mm free spacing between the blades and spacing of the oval tubes so that the grille sections can withstand a weight of 1700 kg/ square m with maximum settling of 1/180 of the span.
5. Stainless steel purlin (core basin), with bituminous coating to separate it from aluminum parts, 0.65 mm thickness (calibre 26).
6. Type 304 stainless steel hinges, type 304 stainless steel hold open arm, zinc plated steel bracket #694-1011, combined lifting hook and key for bracket, neoprene anti-noise pads.
7. Dimensions: 1220X1220mm.

### **2.2 ASSEMBLY**

1. S Unless otherwise specified, assemble foot grilles at the plant.
2. Carefully cut miters and joints and weld with a continuous bead inside the profile.
3. Smooth joints and welded angles using the grinding wheel.

### **3. EXÉCUTION**

#### **3.1 ON-SITE STORAGE AND PROTECTION**

1. Ensure that all damage, scratches, or nicks caused during transportation or handling are promptly cleaned and retouched. Materials will be properly stored on boards or structural flooring in a dry place, and will be enveloped so as to protect them from all damage.

#### **3.2 INSTALLATION**

1. Install the grilles plumb, square, level, and touch-sensitive with the finished floor. First secure the stainless steel basin and then the aluminum blades and frame.