

## ITEM 04569.0101 M – OPEN METAL FLOOR

### DESCRIPTION:

The work shall consist of furnishing and installing open galvanized steel flooring of the type, size, and at the locations indicated on the contract plans. The grating shall be capable of supporting a minimum live load of 415 kg/m<sup>2</sup> over the required clear span with deflection not to exceed 6mm.

### MATERIALS:

All the provisions of Section 569-2 materials, shall apply with the addition of the following:

**Bolts for Fastening Steel Grating:** Bolts, nuts, and washers used to fasten the steel grating shall be ASTM J-429-Grade 5.

The saddle clips used to fasten the steel flooring shall be in accordance with ASTM-A36.

**Galvanized of Steel Flooring:** Steel flooring shall be galvanized in accordance with provisions of Type 1 of Subsection 719-01.

**Galvanized of Bolts, Nuts, and Washer:** Bolts, nuts, and washers used to fasten steel flooring shall be galvanized in accordance with the provisions of Type II of Subsection 719-01.

All metal flooring shall have a serrated top surface.

### CONSTRUCTION DETAILS:

All the provisions of Section 569-3, construction details, shall apply with the addition of the following:

**Band Bars:** Any section of grating that is cut for installation purposes shall have a band bar welded across that end of the cut side of the panel. A load-carrying band is to be installed in a cutout to transfer the load from the unsupported bearing bars in the cutout to the adjacent supported bearing bars.

**Fastening Metal Flooring:** All flooring sections shall be fastened in place with saddle clips. Galvanized bolts are to be used for fastening and steel flooring. Saddle clips shall be of similar metal type as the flooring it is fastening.

**Field Galvanizing:** Any locations requiring repair shall be repaired in the accordance with the provisions of Subsection 719-01.

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**METHOD OF MEASUREMENT:**

The quantity paid for under this work will be measured as the number of square meters of the metal flooring furnished and installed.

**BASIS OF PAYMENT:**

The unit price bid per square meter shall include the costs of all labor, material (including fabrication), and equipment necessary to complete the work.