



## SPECIFICATIONS FOR STANDARD ALUMINUM GRATING

Main Bearing Bars shall be  $\frac{3}{16}$ " x  $1\frac{1}{2}$ " on  $1\frac{3}{16}$ " centers and conform to ASTM B221 Alloy 6061-T6.

Cross bars shall be  $\frac{3}{16}$ " x  $1\frac{1}{2}$ " on 4" centers and conform to ASTM B221 Alloy 6063-T5 or 6061-T6.

OR

Aluminum Grating with modified "I" sections for main bearing bars shall meet the following requirements:

Main bars shall conform to ASTM B221 Alloy 6061-T6 and have a minimum section modulus equal to 0.0705 in.<sup>3</sup> per bar, a depth of 1½", spaced on 13⅞" centers.

Cross bars shall conform to ASTM B221 Alloy 6063-T5 or T-42 and spaced on 4" centers.

[illegible]

\* Refer to existing drawings

- ① Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment.
- ② Stainless steel shims shall be placed as shown in Detail T if needed to compensate for alignment variations between horizontal and diagonal pipes beyond adjustment provided by angles. Thicker shims may be used subject to shims performing properly.
- ③ If Handrail Joint present, weld angle to WF(A-N)4 and  $\frac{1}{4}$ " extension bars. (See Base Sheet OS-A-11.)
- ④  $\frac{1}{8}$ " x  $\frac{1}{2}$ " x 2" welded to handrail posts to protect locations that contact grating.
- ⑤ Tube to grating gap may vary from 0 to  $\frac{1}{2}$ ", max. to align walkway, allow for camber, etc.
- ⑥ Based on actual height of tallest sign given on OS-A-1.

Details provided apply only to the installation of  
Internal Truss Grating.