



SPECIFICATIONS FOR STANDARD ALUMINUM GRATING

Main Bearing Bars shall be 3/8" x 1/2" on 1 3/8" centers and conform to ASTM B221 Alloy 6061-T6.
 Cross bars shall be 3/8" x 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.³ per bar, a depth of 1 1/2", spaced on 1 3/8" centers.
 Cross bars shall conform to ASTM B221 Alloy 6063-T5 or T-42 and spaced on 4" centers.

Structure Number	Station	A	⑥ B	C	⑥ D*
5 S 010 1057 L235.32	496+10		4'-7 1/2"	5'-3"	10'-4 1/2" & VAR.
5 S 010 1057 R236.14	414+50		6'-7 1/2"	5'-3"	12'-4 1/2" & VAR.

*See also "Sign Truss Mounting Details" Sheets 27 & 28 for the information needed to determine the variable walkway support and sign support lengths.

- Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment.
- 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.
- If Handrail Joint present, weld angle to WF(A-N)4 and 1/4" extension bars. (See Base Sheet OS-A-11.)
- 1/8" x 1/2" x 2" welded to handrail posts to protect locations that contact grating.
- Tube to grating gap may vary from 0 to 1/2", max. to align walkway, allow for camber, etc.
- Based on actual height of tallest sign given on OS-A-1.

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