



**SPECIFICATIONS FOR STANDARD ALUMINUM GRATING**

Main Bearing Bars shall be ?" x 1?" on 1?" centers and conform to ASTM B221 Alloy 6061-T6.  
 Cross bars shall be ?" x 1?" on 4" centers and conform to ASTM B221 Alloy 6063-T5 or 6061-T6.

OR

Aluminum Grating with modified "t" 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. per bar, a depth of 1?" , spaced on 1?" centers.  
 Cross bars shall conform to ASTM B221 Alloy 6063-T5 or T-42 and spaced on 4" centers.

Structure Number	Station	A	(S) B	C	(S) D
4-16	260+00	5 5/8"	5'-5 1/2"	4'-6"	10'-5 1/2"
4-17	283+00	5 5/8"	12'-0"	4'-6"	17'-0"
4-18	109+00	5 5/8"	6'-6"	4'-6"	11'-6"
4-19	395+00	5 5/8"	5'-6"	4'-6"	10'-6"
4-20	191+00	5 5/8"	5'-6"	4'-6"	10'-6"
4-21	191+00	5 5/8"	5'-6"	4'-6"	10'-6"
4-26	389+50	5 5/8"	6'-5 3/8"	5'-3"	11'-10 1/2"
4-29	274+50	5 5/8"	5'-6"	4'-6"	10'-6"
4-30	330+08	5 5/8"	6'-5 3/8"	5'-3"	11'-10 1/2"
4-32	10+67	5 5/8"	3'-3"	4'-6"	8'-3"

- 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 ?" extension bars. (See Base Sheet OS-A-11.)
- ? x ? x 2" welded to handrail posts to protect locations that contact grating.
- Tube to grating gap may vary from 0 to ?", max. to align walkway, allow for camber, etc.
- Based on actual height of tallest sign given on OS-A-1.

OS-A-10

6-1-12

FILE NAME	USER NAME	DESIGNED	REVISIONS

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES  
 ALUMINUM WALKWAY DETAILS

SHEET NO. \_\_\_ OF \_\_\_ SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-2 DVD SR STR REPL 14-47	VARIOUS	VARIOUS	65	41

CONTRACT NO. 46314  
 ILLINOIS FED. AID PROJECT