



SPECIFICATIONS FOR STANDARD ALUMINUM GRATING

Main Bearing Bars shall be 3/16" x 1 1/2" on 1 3/16" centers and conform to ASTM B221 Alloy 6061-T6.
Cross bars shall be 3/16" x 1 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 3/16" centers.
Cross bars shall conform to ASTM B221 Alloy 6063-T5 or T-42 and spaced on 4" centers.

Structure Number	Station	A	Ⓟ B	C	Ⓟ D
2S0371080R007.9	453+16	6 1/8"	6' 6"	4' 6"	11' 6"
2S0811088L017.3	323+16	6 1/8"	5' 3"	4' 6"	10' 3"
2S081S092R026.0	517+21	6 1/8"	3' 1 1/2"	5' 3"	8' 10 1/2"
2S0811088L016.6	285+84	7 3/8"	2' 9"	7' 0"	10' 3"
2S081S092L026.6	484+19	7 3/8"	2' 3"	7' 0"	9' 9"
2S0811074L001.3	296+21	5 3/8"	5' 0"	4' 6"	10' 0"

NUMBER	REVISION	DATE

- 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.

OVERHEAD SIGN STRUCTURES ALUMINUM WALKWAY DETAILS

FILE NAME = C:\Projects\ref\2811\plans.dgn	USER NAME = hogenson,jd	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT 2 SIGN STRUCTURE REPLACEMENT SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____	F.A. RTE. =	SECTION = **	COUNTY =	TOTAL SHEETS = 27	SHEET NO. = 13	
PLOT SCALE = 100.0000' / 1"	CHECKED - ---	REVISED - ---	CONTRACT NO. = 46132		ILLINOIS FED. AID PROJECT					
PLOT DATE = Tue Sep 28 08:45:56 2010	DATE - ---	REVISED - ---								

OS-A-10 6-1-09