



SPECIFICATIONS FOR STANDARD ALUMINUM GRATING

Main Bearing Bars shall be 3/16" x 1/2" on 13/16" centers and conform to ASTM B221 Alloy 6061-T6.
 Cross bars shall be 3/16" x 1/2" 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.³ per bar, a depth of 1/2", spaced on 13/16" 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
7S025I057R159.0	2131+68	6"	3'-9"	4'-6"	8'-9"
7S025I057L159.6	2161+20	5 1/2"	4'-9"	4'-6"	9'-9"
7S025I057L160.7	2219+50	5 1/2"	4'-9"	4'-6"	9'-9"
7S025I057R161.3	2249+25	5 1/2"	6'-3"	4'-6"	11'-3"
7S025I057L160.4	26+98	5 1/2"	3'-6"	4'-6"	8'-6"

- 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-II.)
- 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-I.

OS-A-10

7-1-10

FILE NAME =	USER NAME =	DESIGNED - ESW	REVISED - 4-27-11
		CHECKED - JWS	REVISED -
		DRAWN - PDB	REVISED -
		CHECKED - BRM	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
 ALUMINUM WALKWAY DETAILS

SHEET NO. 27 OF 49 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57/70	(25-3,4)R	EFFINGHAM	1098	269
CONTRACT NO. 74299				
ILLINOIS FED. AID PROJECT				