



SPECIFICATIONS FOR STANDARD ALUMINUM GRATING

Main Bearing Bars shall be 3/16" x 1/2" on 1 3/16" 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 "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	⑥ B	C	⑥ D
3S046S050R315.5	1300+97	5 1/2"	2'-10"	4'-6"	7'-10"
3S046S050L315.5	1320+50	5 1/2"	2'-10"	4'-6"	7'-10"

- 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.

WALKWAY GRATING, HANDRAIL AND LIGHT FIXTURE ARE NOT REQUIRED

OS-A-10

7-1-10

FILE NAME = H:\07031\Struct\dgn\sh\1L 50-S130.dgn	USER NAME = EricG	DESIGNED - MGB	REVISED -
PLOT SCALE = 1/8"=1'-0"		CHECKED - BB	REVISED -
PLOT DATE = 12/22/2010		DRAWN - MGB	REVISED -
		CHECKED - BB	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**OVERHEAD SIGN STRUCTURES
ALUMINUM WALKWAY DETAILS**
SHEET NO. 8 OF 10 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2) I, HBR, VBR	KANKAKEE	558	223
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT			CONTRACT NO. 66409	