



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 B211 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. 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
7S025I070R080.40	1365+00	7 1/2"	2'-2"	7'-0"	10'-8"
7S025I057R148.4	4500+00	7 1/2"	2'-2"	7'-0"	10'-8"
7S018I057L179.2	217+50	7 1/2"	2'-2"	7'-0"	10'-8"
7S018I070L107.6	180+400	7 1/2"	2'-2"	7'-0"	10'-8"
7S012I070L155.0	515+51	7 1/2"	2'-2"	7'-0"	10'-8"

- 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.
- Cabinet manufacturer must design and supply hardware for connection of cabinet to WF6's. Bolts must be stainless steel or hot dip galvanized high strength per IDOT specifications.
- Based on actual height of tallest sign given on OS-A-1.

OS-A-10-DMS 6-1-12

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
ei:\pw\work\p\dot\steffenmk\d0360593\074643-sht-detail.dgn		DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -
Default	PLOT DATE = 6/19/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
ALTERNATE ALUMINUM WALKWAY DETAILS FOR DMS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D7 ITS 2014	*	72	46
* EFFINGHAM, CUMBERLAND			CONTRACT NO. 74643	
CLARK & LAWRENCE ILLINOIS FED. AID PROJECT				