



SPECIFICATIONS FOR STANDARD ALUMINUM GRATING

Main Bearing Bars shall be 3/8" x 1/2" on 1 3/8" centers and conform to ASTM B211 Alloy 6061-T6.
Cross bars shall be 3/8" 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. per bar, a depth of 1 1/2", spaced on 1 3/8" 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
3S0501080L096.0	785+00	7'-2"	2'-8"	7'-0"	10'-8"
3S0061080R072.5	437+50	7'-2"	2'-8"	7'-0"	10'-8"
3S0501039R049.0	190+00	7'-2"	2'-8"	7'-0"	10'-8"
3S0501039L068.5	540+00	7'-2"	2'-8"	7'-0"	10'-8"
3S0461057R305.0	555+00	7'-2"	2'-8"	7'-0"	10'-8"
3S0461057L319.9	547+30	7'-2"	2'-8"	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.)
- 1/2" 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 1-20-11

FILE NAME =	USER NAME = ypatel	DESIGNED - YOGESH PATEL	REVISED -
ci:\pwwork\spidot\patel\108250292\036638-001-detailed.dgn		DRAWN - YOGESH PATEL	REVISED -
PLOT SCALE = 1/8" = 1'-0"		CHECKED - RON WOODSHANK	REVISED -
PLOT DATE = 3/8/2012		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
ALTERNATE ALUMINUM WALKWAY DETAILS FOR DMS

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. R.T.E. VAR	SECTION 03 OVD MESSAGE SG - 2012	COUNTY VAR	TOTAL SHEETS 50	SHEET NO. 21
CONTRACT NO. 66B21				