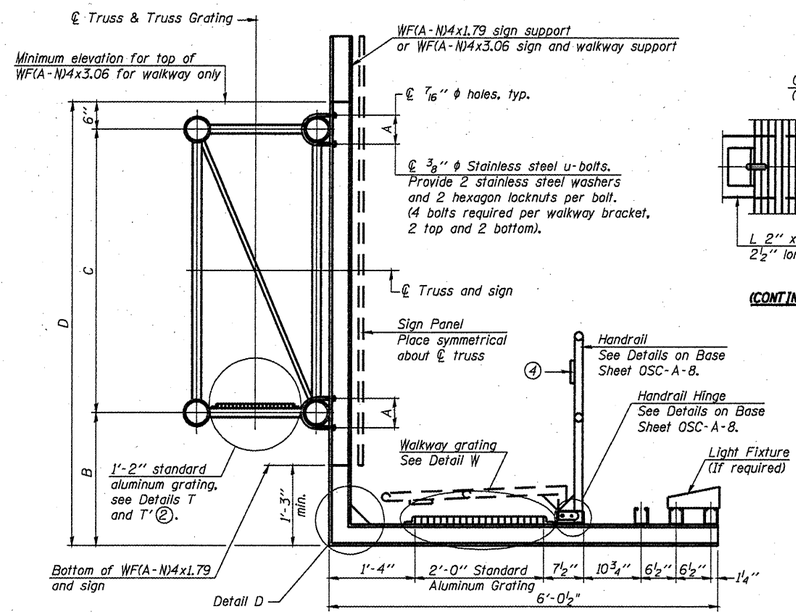
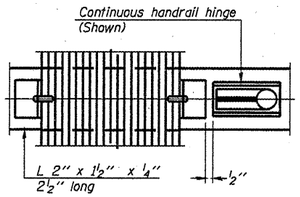
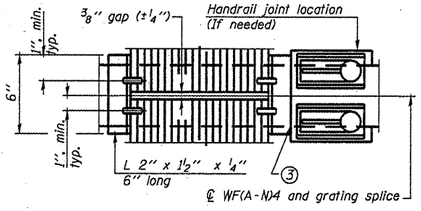


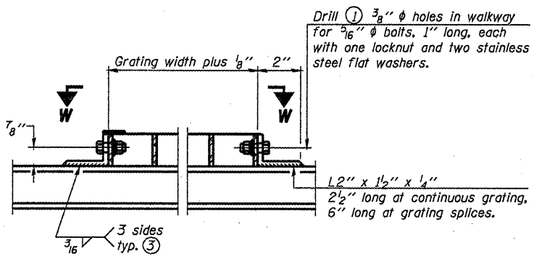


(CONTINUOUS WALKWAY GRATING)



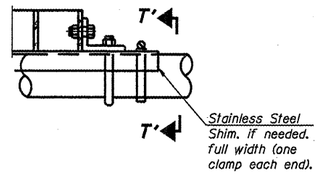
(AT WALKWAY GRATING SPLICE)

SECTION W-W



DETAIL W

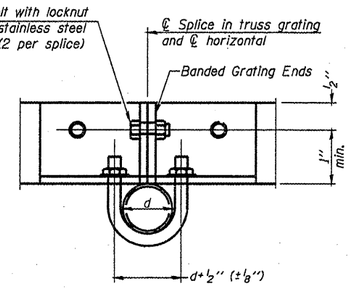
(Walkway grating)



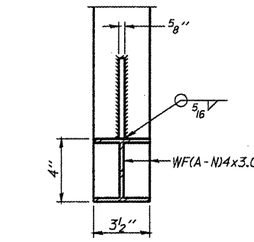
DETAIL T'

(Truss grating splice)

Details not shown same as Detail T. Alternate materials may be used subject to the Engineer's review and approval.

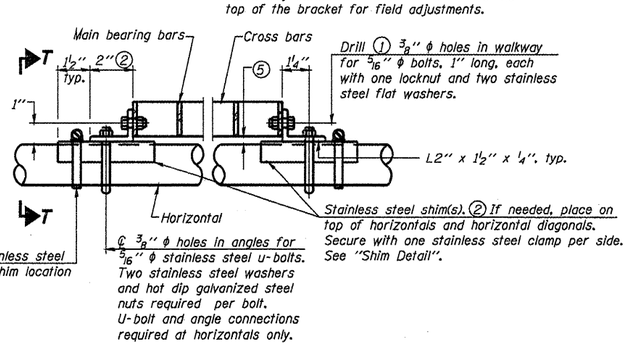


SECTION T'-T'

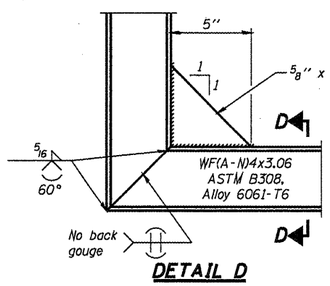


SECTION D-D

Sign shall be even with the top of the bracket, but it may extend no more than 6" above the top of the bracket for field adjustments.

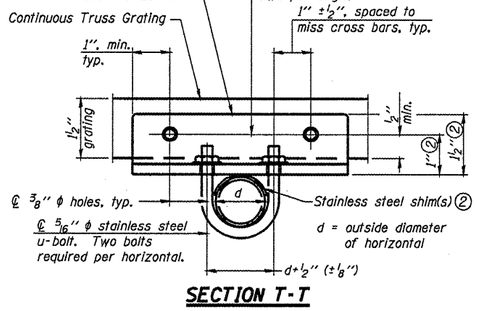


SECTION B-B



DETAIL T

(Continuous Truss grating)



SECTION T-T

SPECIFICATIONS FOR STANDARD ALUMINUM GRATING

Main Bearing Bars (MBB) shall be 3/16" x 1½" on 1 3/16" centers and conform to ASTM B211 Alloy 6061-T6.

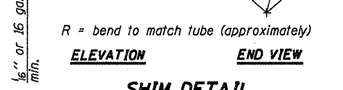
Cross bars (CB) shall be 3/16" x 1½" on 4" centers and conform to ASTM B221 Alloy 6063-T5 or 6061-T6.

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 1½", spaced on 1 3/16" centers.

Cross bars shall conform to ASTM B221 Alloy 6063-T5 or T-42 and spaced on 4" centers.



SHIM DETAIL

Structure Number	Station	A	⑥ B	C	⑥ D
3C050S023R018.8	174+15				
3C050S023L018.9	166+81				

① Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment.

② 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.

③ If Handrail Joint present, weld angle to WF(A-N)4 and ¼" extension bars. (See Base Sheet OSC-A-8.)

④ ℔ ⅛" x ½" x 2" welded to handrail posts to protect locations that contact grating.

⑤ Tube to grating gap may vary from 0 to ½", max. to align walkway, allow for camber, etc.

⑥ Based on actual sign height, D_S, given on OSC-A-1.

LOCATIONS 1 AND 2
THIS SHEET FOR INFORMATION ONLY

OSC-A-7 7-1-10

FILE NAME = c:\pw_work\pwidot\woodshankrl\d0239610\	USER NAME = woodshankrl	DESIGNED - RON WOODSHANK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CANTILEVER SIGN STRUCTURES – WALKWAY DETAILS ALUMINUM TRUSS & STEEL POST
	D6159-Details.dgn	DRAWN - RON WOODSHANK	REVISED -		SCALE: _____ SHEET NO. 5 OF 5 SHEETS STA. _____ TO STA.
	PLOT SCALE = 100.0000 ' / IN.	CHECKED -	REVISED -		
	PLOT DATE = Nov 05, 2010 - 09:09:16 AM	DATE - _____	REVISED -		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D-3 OVD SIN STR REPL 11-34	VAR	16	11
		CONTRACT NO. 46159		
	ILLINOIS			