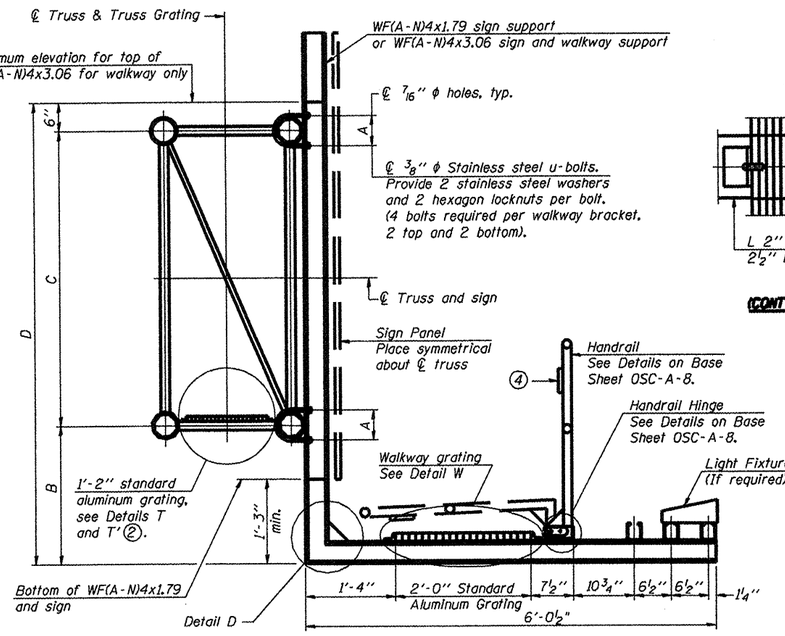
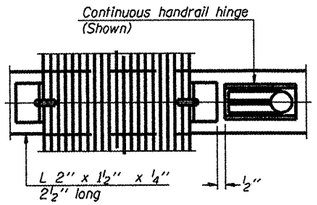
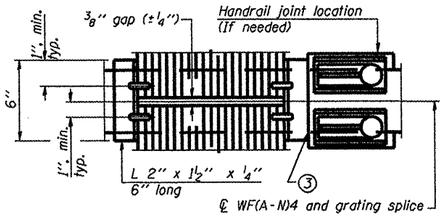


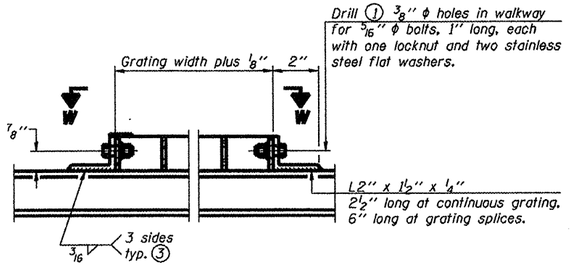


(CONTINUOUS WALKWAY GRATING)



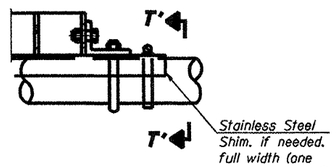
(AT WALKWAY GRATING SPLICE)

SECTION W-W



DETAIL W

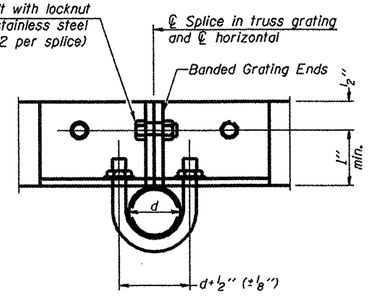
(Walkway grating)



DETAIL T'

(Truss grating splice)

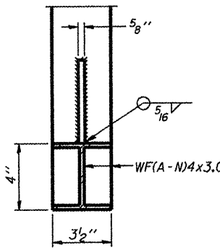
Details not shown same as Detail T. Alternate materials may be used subject to the Engineer's review and approval.



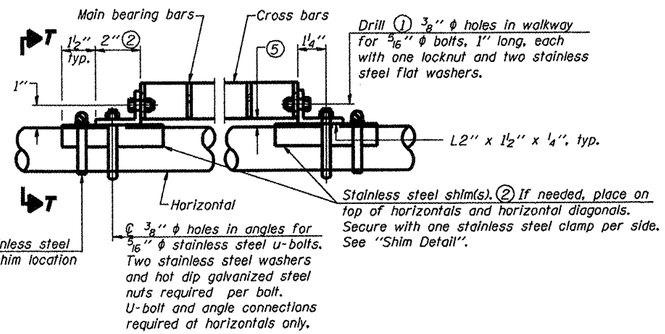
SECTION T'-T'

SECTION B-B

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.

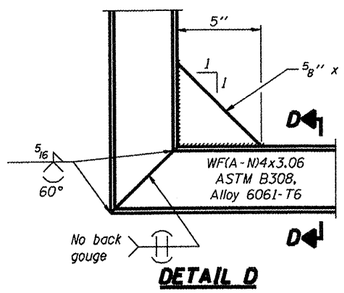


SECTION D-D

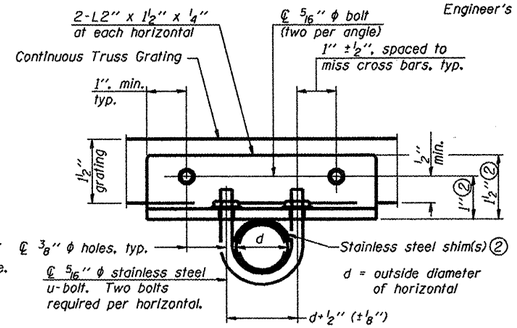


DETAIL T

(Continuous Truss grating)



DETAIL D



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.

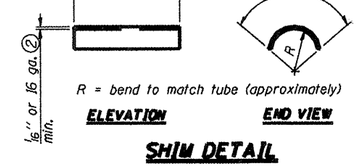
Cross bars (CB) shall be 3/16" x 1½" on 4" centers and conform to ASTM B221 Alloy 6063-T5 or 6061-T6.

OR

Aluminum Grating with modified "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 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
167 2C101S25IL009.6	104+85	7"	2' 3"	5' 6"	8' 3"
168 2C101S25IR009.6	104+85	7"	2' 3"	5' 6"	8' 3"

(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) R 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.

OSC-A-7 1-20-11

FILE NAME = D:\BR\SIGN TRUSS\CADD Plans\2011-2 contract\PLANeng.dgn	USER NAME = linkdj	DESIGNED - ---	REVISED - ---
	PLOT SCALE = 100.0000 ' / IN.	DRAWN - ---	REVISED - ---
	PLOT DATE = Tue Apr 12 07:45:55 2011	CHECKED - ---	REVISED - ---
		DATE - ---	REVISED - ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES – WALKWAY DETAILS
ALUMINUM TRUSS & STEEL POST

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	var D-2 OVD SIN STR REPL 12-03	VARIOUS	28	21
		CONTRACT NO. 46176		
		ILLINOIS FED. AID PROJECT		