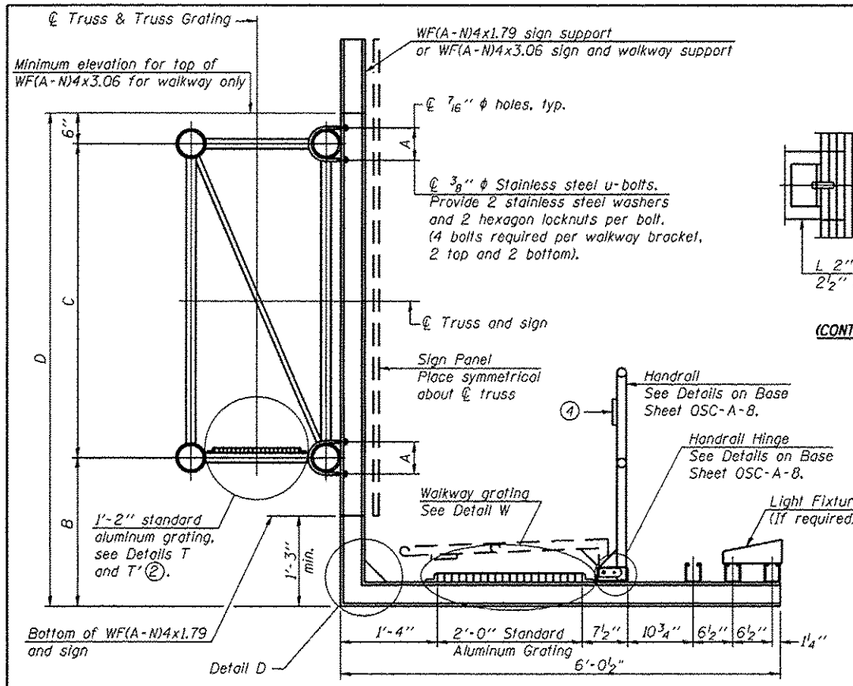
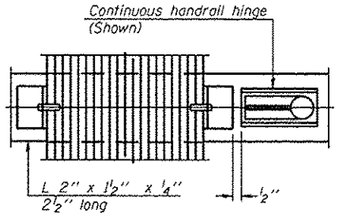
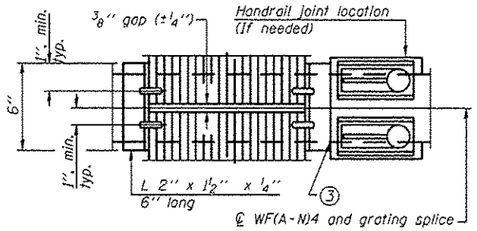


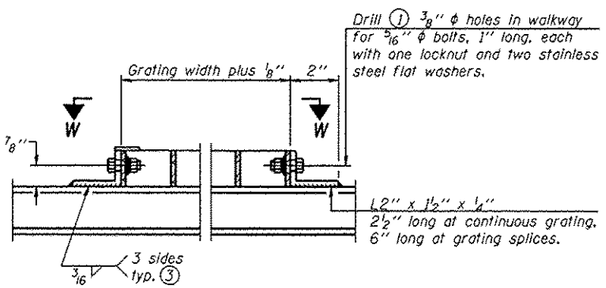


(CONTINUOUS WALKWAY GRATING)



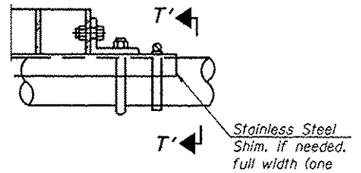
(AT WALKWAY GRATING SPLICE)

SECTION W-W



DETAIL W

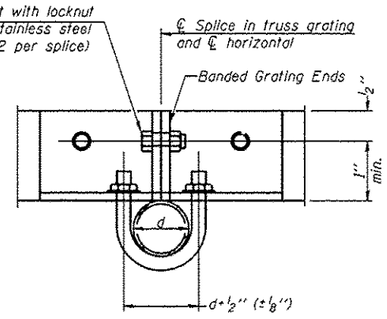
(Walkway grating)



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'

SPECIFICATIONS FOR STANDARD ALUMINUM GRATING

Main Bearing Bars (MBB) shall be 3/16" x 1 1/2" on 1 3/16" centers and conform to ASTM B211 Alloy 6061-T6.

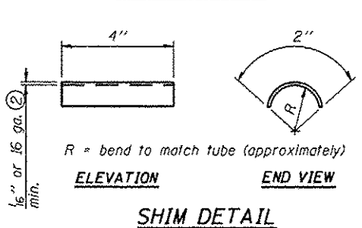
Cross bars (CB) shall be 3/16" x 1 1/2" on 4" centers and conform to ASTM B221 Alloy 6063-T5 or 6061-T6.

OR

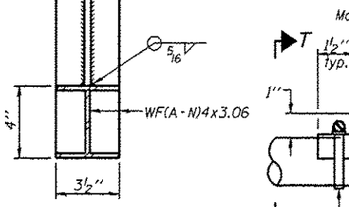
Aluminum Grating with modified "T" sections for main bearing bars shall meet the following requirements:

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 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.

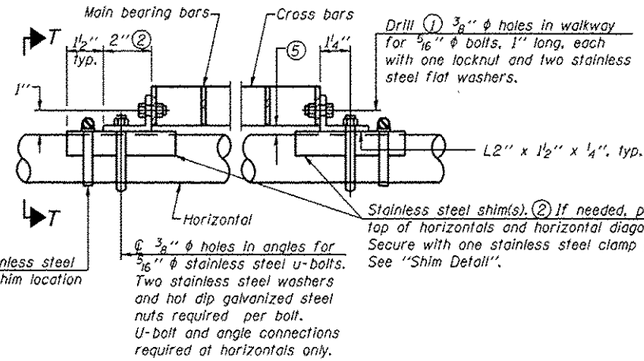


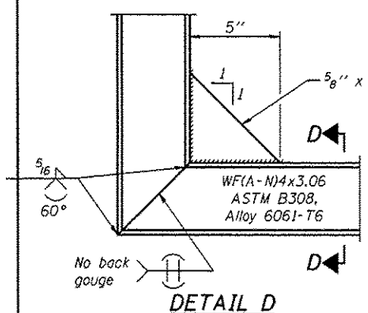
SHIM DETAIL



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.

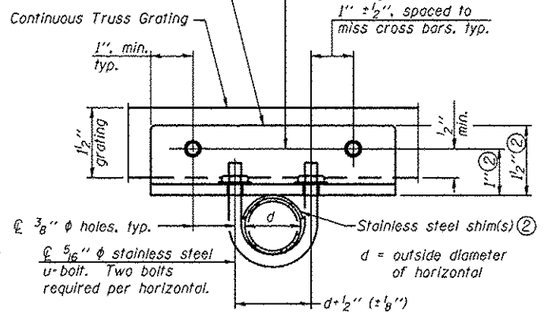




DETAIL T

(Continuous Truss grating)

DETAIL D



SECTION T-T

Structure Number	Station
3C046I057R311.5	208+43 NB
3C046U045L004.9	136+42 RT
3C046U045R005.1	127+21 LT
3C046S017L011.2	19+93 LT

(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 1/4" extension bars. (See Base Sheet OSC-A-8.)

(4) ℄ 1/8" x 1/2" x 2" welded to handrail posts to protect locations that contact grating.

(5) Tube to grating gap may vary from 0 to 1/2", max. to align walkway, allow for camber, etc.

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

THIS SHEET FOR INFORMATION ONLY

LOCATION 1 THROUGH 4

FILE NAME = c:\pw_work\pwidot\woodshankrl\d0382812\D346221-sht-details.dgn	USER NAME = woodshankrl	DESIGNED - YOGESH PATEL	REVISED -
		DRAWN - YOGESH PATEL	REVISED -
	PLOT SCALE = 99.9999 ' / in.	CHECKED - RON WOODSHANK	REVISED -
	PLOT DATE = 5/17/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANTILEVER TRUSS DETAIL

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D3 OVO SIN STR REPL 13-08	KANKAKEE	19	12
		CONTRACT NO. 46221		
	ILLINOIS			