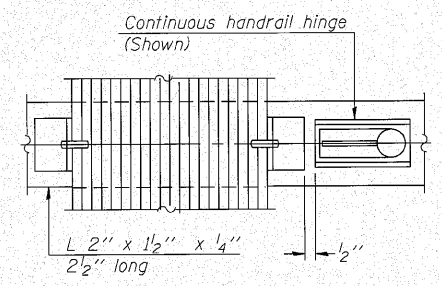
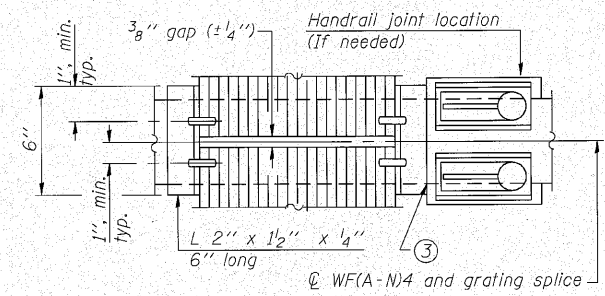


SPECIFICATIONS FOR STANDARD ALUMINUM GRATING
 Main Bearing Bars (MBB) shall be 3/16" x 1 1/2" on 1 3/16" centers and conform to ASTM B221 Alloy 6061-T6.
 Cross bars (CB) shall be 3/16" x 1 1/2" on 4" centers and conform to ASTM B221 Alloy 6063-T5 or 6061-T6.

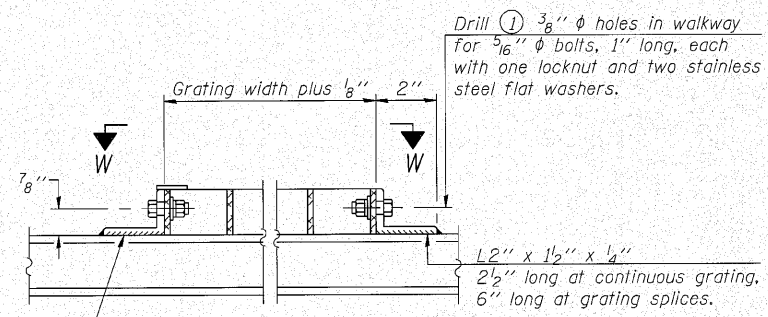
OR
 Aluminum Grating with modified "T" sections for main bearing bars shall meet the following requirements:
 Main bars shall conform to ASTM B221 Alloy 6061-T6 and have a minimum section modulus equal to 0.0705 in.³ per bar, a depth of 1 1/2", spaced on 1 3/16" centers.
 Cross bars shall conform to ASTM B221 Alloy 6063-T5 or T-42 and spaced on 4" centers.



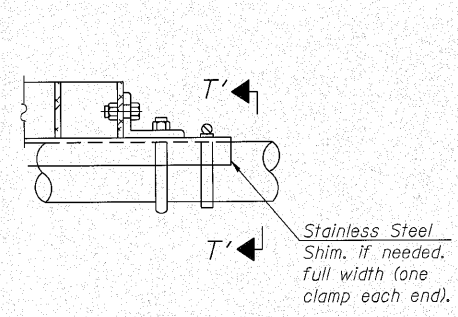
(CONTINUOUS WALKWAY GRATING)



(AT WALKWAY GRATING SPLICE)

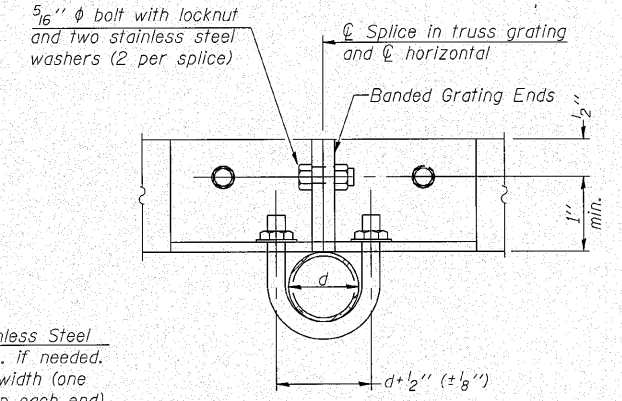


SECTION W-W

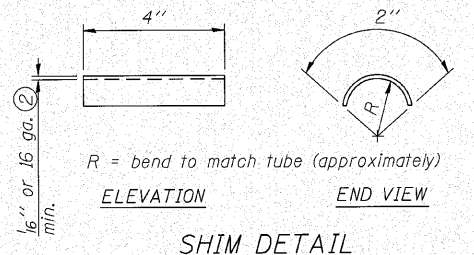


DETAIL T-T

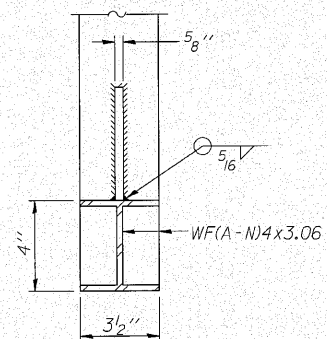
(Truss grating splice)
 Details not shown same as Detail T.
 Alternate materials may be used subject to the Engineer's review and approval.



SECTION T-T

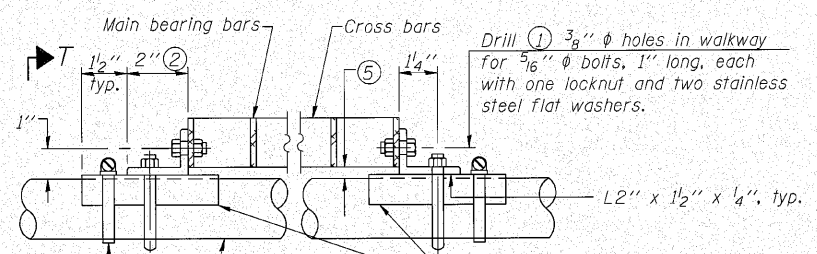


SHIM DETAIL



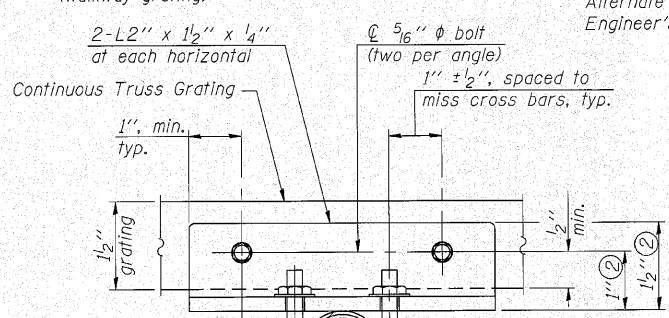
SECTION B-B

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.



DETAIL W

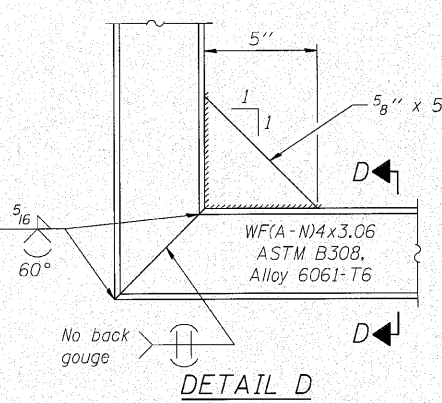
(Walkway grating)



SECTION T-T

SECTION D-D

Screw type stainless steel tube clamp at shim location



DETAIL D

DETAIL T

(Continuous Truss grating)

Structure Number	Station	A	⑥ B	C	⑥ D
1C0991080L139.2	778+15	7"	3'-9"	5'-6"	9'-9"

- 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 OSC-A-8.)
- 1/8" x 1/2" x 2" welded to handrail posts to protect locations that contact grating.
- Tube to grating gap may vary from 0 to 1/2", max. to align walkway, allow for camber, etc.
- Based on actual sign height. D_s, given on OSC-A-1.

OSC-A-7

7-1-10

E LIN ENGINEERING, LTD. Consulting Engineers Channah, Illinois	USER NAME =	DESIGNED - ADB	REVISED -
	PLOT SCALE =	CHECKED - MTH	REVISED -
	PLOT DATE =	DRAWN - ADB	REVISED -
		CHECKED - MTH	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES - WALKWAY DETAILS
 ALUMINUM TRUSS & STEEL POST

SHEET NO. 7 OF 9 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99 (5&5-1) Y	WILL	276	133
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60147	