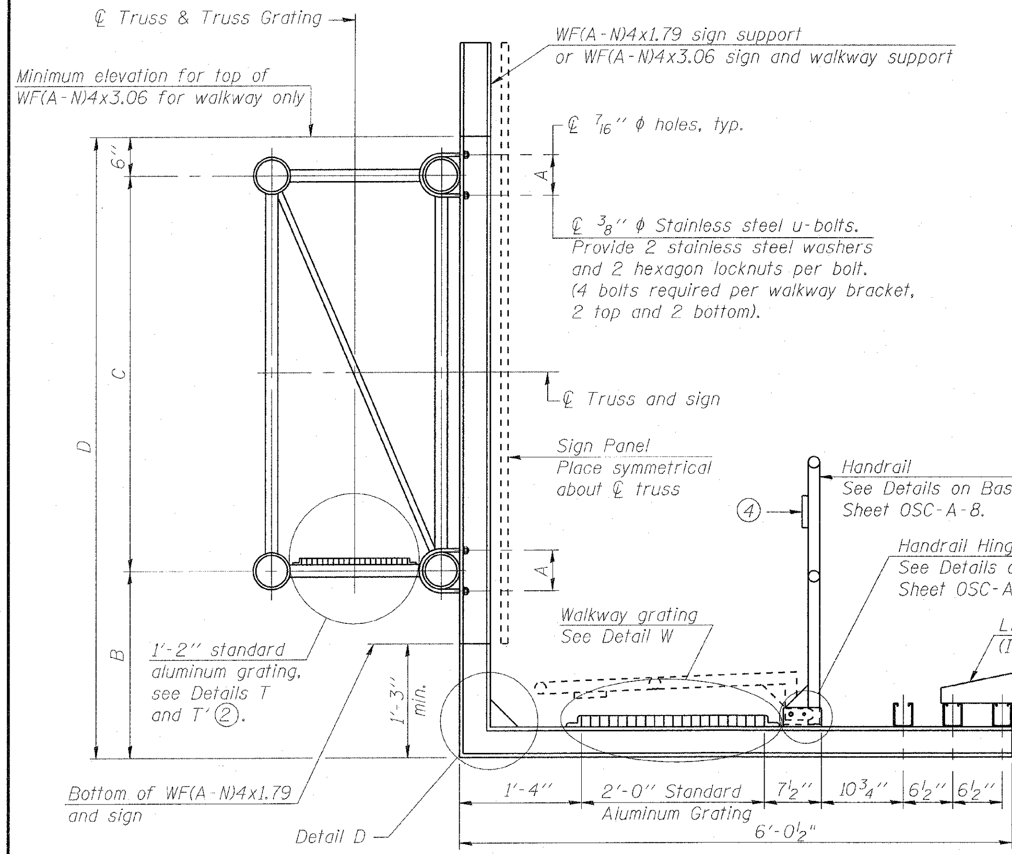
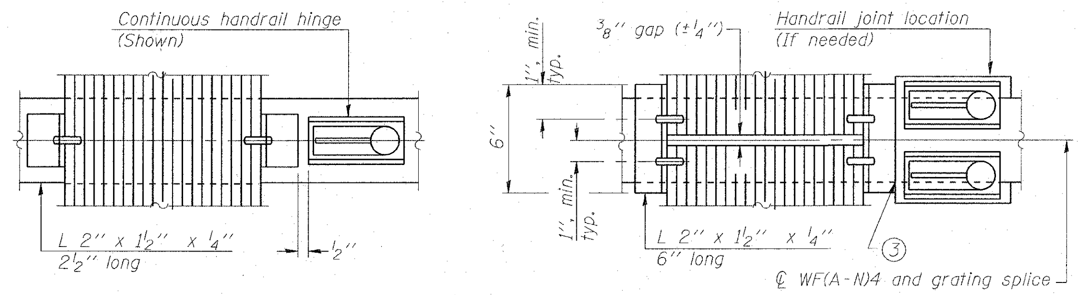
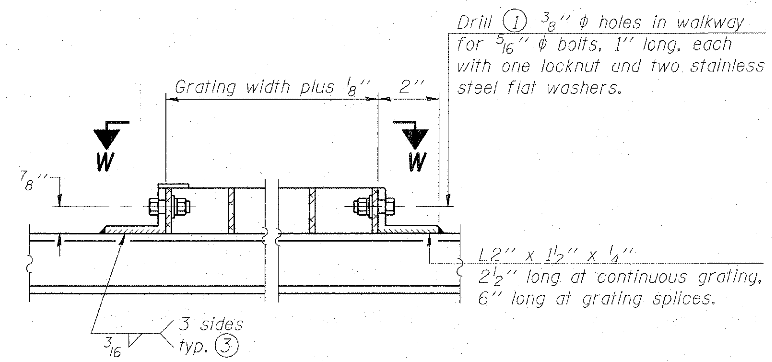


SECTION B-B

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.

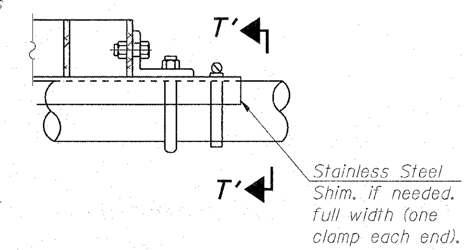


SECTION W-W



DETAIL W

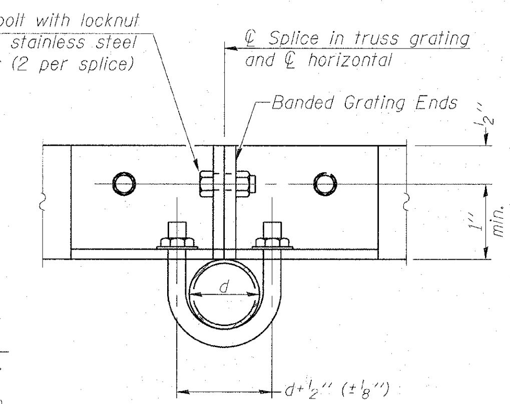
(Walkway grating)



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.



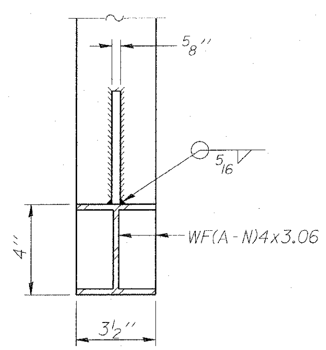
SECTION T′-T′

SPECIFICATIONS FOR STANDARD ALUMINUM GRATING

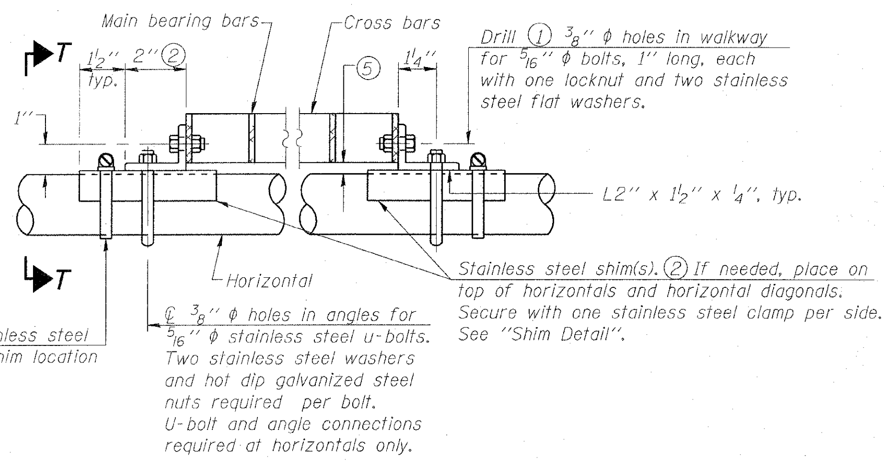
Main Bearing Bars (MBB) shall be 3/16″ x 1½″ on 1 3/16″ centers and conform to ASTM B211 Alloy 6061-T6.
Cross bars (CB) shall be 3/16″ x 1½″ on 4″ centers and conform to ASTM B221 Alloy 6063-T5 or 6061-T6.

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.

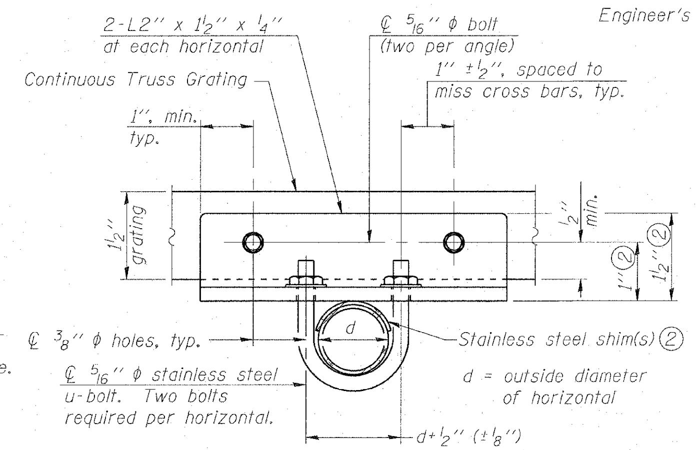


SECTION D-D

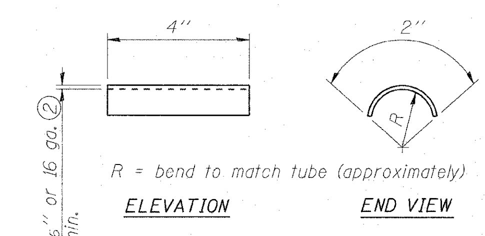


DETAIL T

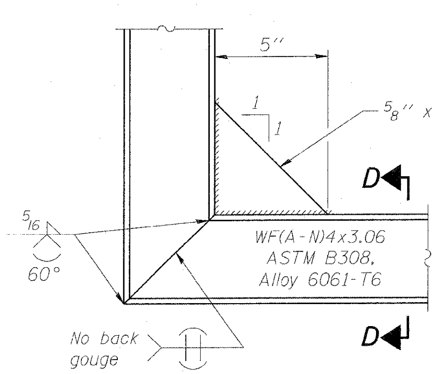
(Continuous Truss grating)



SECTION T-T



SHIM DETAIL



DETAIL D

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 ℄ 1/8″ 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, Ds, given on OSC-A-1.

NOTE:
Details are provided only for the installation of Internal Truss Grating.

Structure Number	Station	A	⑥ B	C	⑥ D
IC0991055R241.0	601+52	*	*	*	*

* Refer to existing drawings

OSC-A-7 1-20-11

FILE NAME =	USER NAME =	DESIGNED - BLB	REVISED -	STATE OF ILLINOIS OVERHEAD SIGN REHABILITATION	CANTILEVER SIGN STRUCTURES – WALKWAY DETAILS ALUMINUM TRUSS & STEEL POST	F.A.I. RTE 55	SECTION 2010-114-SG	COUNTY WILL	TOTAL SHEETS 115	SHEET NO. 94
		CHECKED - BAB	REVISED -							
	PLOT SCALE =	DRAWN - BCD	REVISED -			CONTRACT NO. 60M48				
	PLOT DATE =	CHECKED - BLB	REVISED -		SHEET NO. 4 OF 8 SHEETS	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		