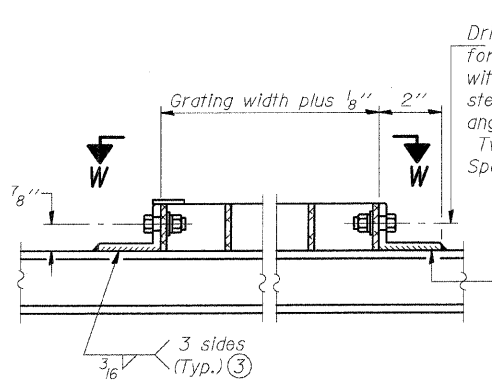
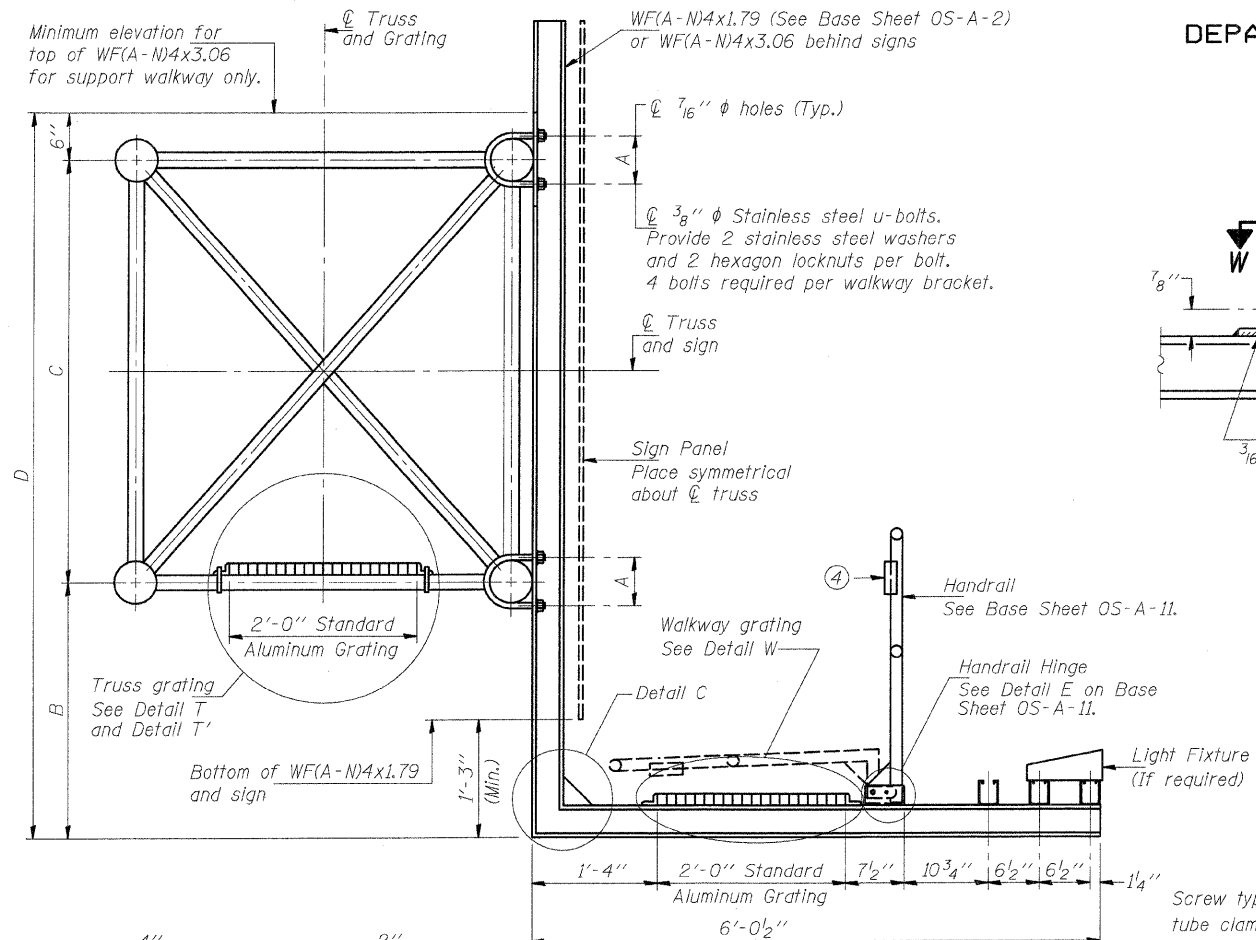
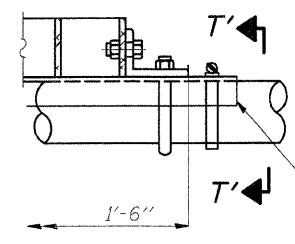


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	*	MADISON	420	174
FED. ROAD DIST. NO. B		ILLINOIS		FED. AID PROJECT-
• 60-10K-1, 60-10HB				

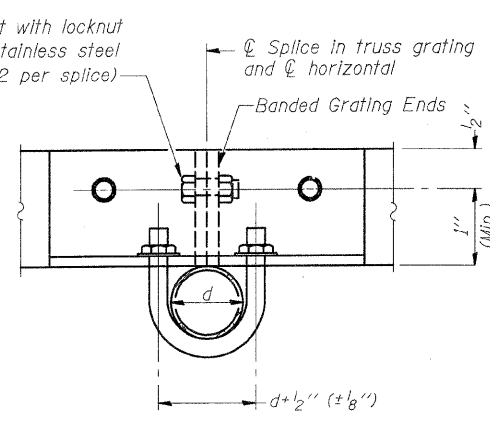


**DETAIL W**  
(Walkway grating)

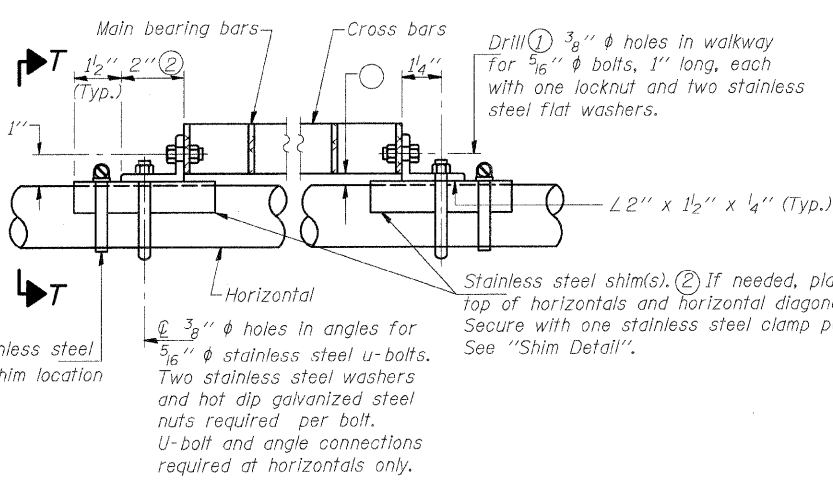


**DETAIL T'**

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

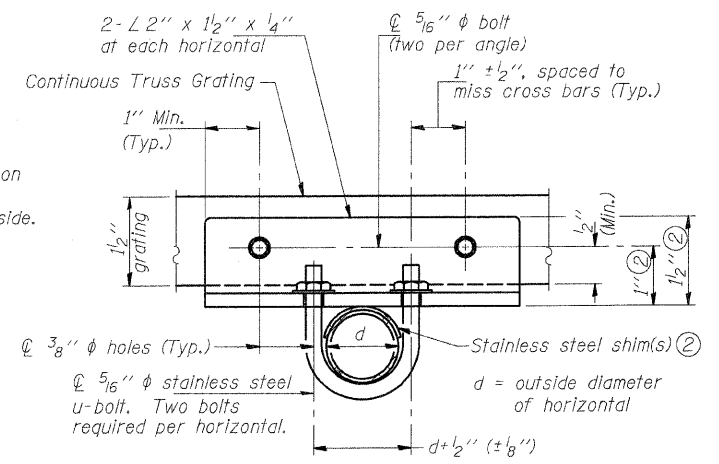


**SECTION T'-T'**



**DETAIL T**

(Continuous Truss grating)



**SECTION T-T**

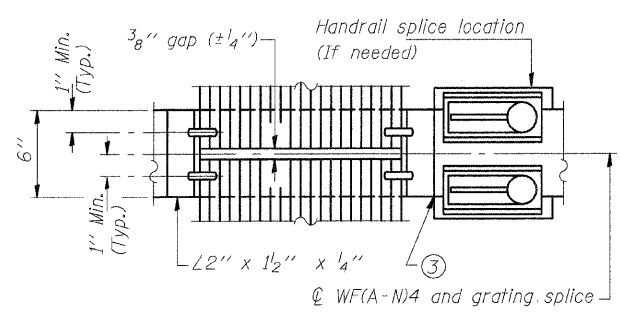
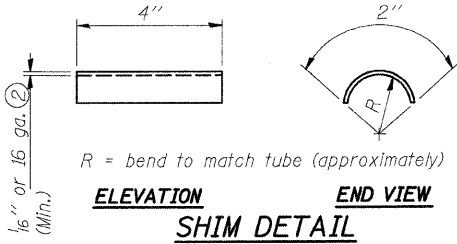
**SPECIFICATIONS FOR STANDARD ALUMINUM GRATING**

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

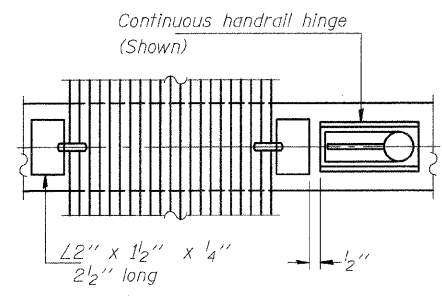
OR

Aluminum Grating with modified "4" 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.<sup>3</sup> 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.

**SECTION B-B**



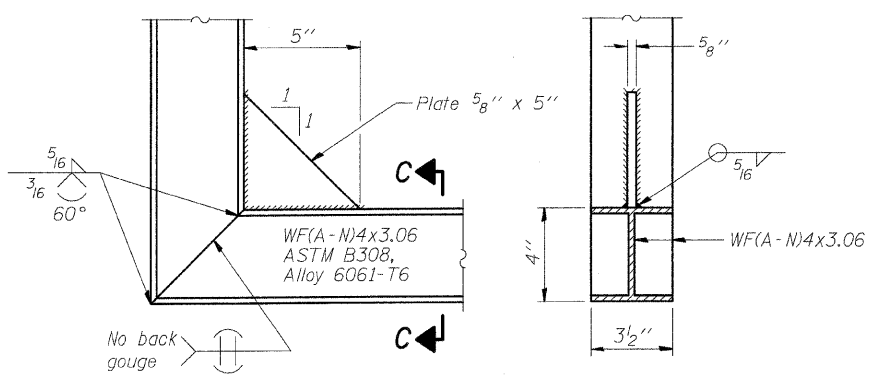
**(AT WALKWAY GRATING SPLICE)**



**(CONTINUOUS WALKWAY GRATING)**

**SECTION W-W**

**SECTION C-C**



**DETAIL C**

(See Detail P, Base Sheet OS-A-11.)

DESIGNED	-	BT0
CHECKED	-	JAN
DRAWN	-	BT0
CHECKED	-	JAN

EXAMINED	-	20
PASSED	-	ENGINEER OF STRUCTURAL SERVICES
	-	ENGINEER OF BRIDGES AND STRUCTURES

NUMBER	REVISION	DATE

Structure Number	Station	A	B	C	D
8S0601070L018.3	1337+90	5 7/8"	6'-0"	4'-6"	11'-0"
8S0601070R017.7	1368+72	5 7/8"	4'-9"	4'-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 OS-A-11.)
- 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.

**OVERHEAD SIGN STRUCTURES  
ALUMINUM WALKWAY DETAILS**

FAI ROUTE 70  
SECTION 60-10K-1, 60-10-4HB  
MADISON COUNTY