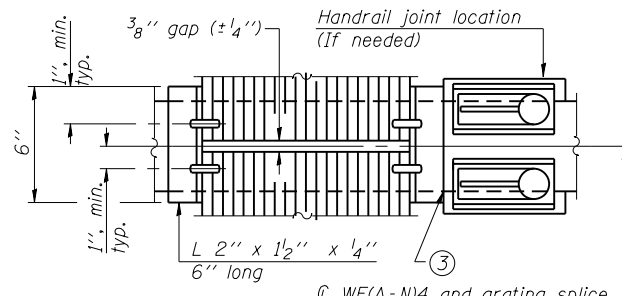
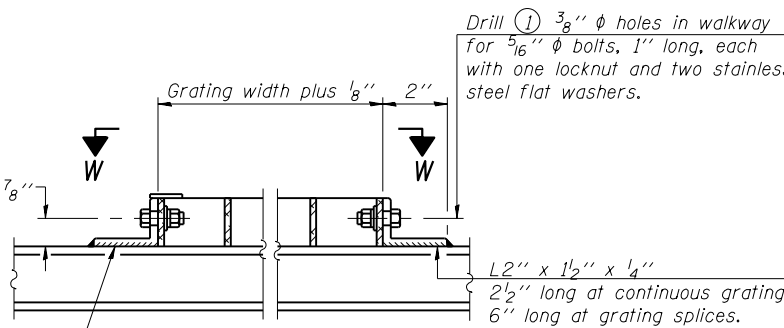


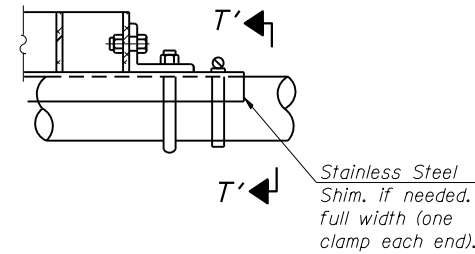
SECTION W-W



(AT WALKWAY GRATING SPLICE)

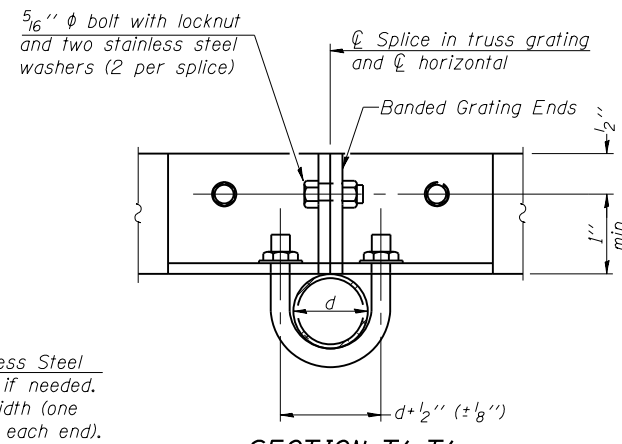


DETAIL W  
(Walkway grating)

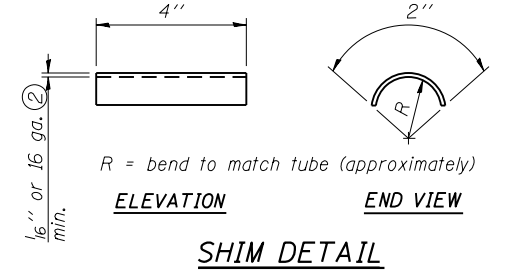


DETAIL T'

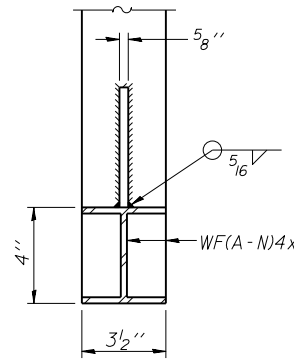
(Truss grating splice)  
Details not shown same as Detail T.  
Alternate materials may be used subject to the Engineer's review and approval.



SECTION T'-T'

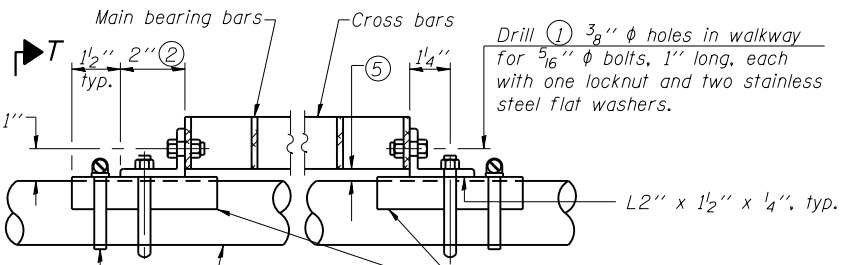


SHIM DETAIL



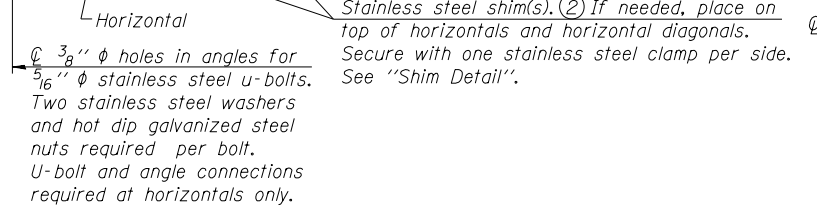
SECTION B-B

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.

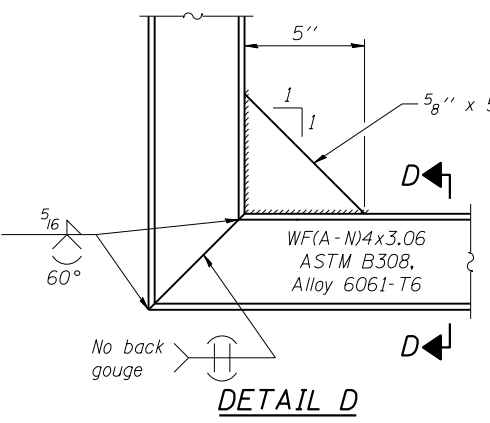


SECTION D-D

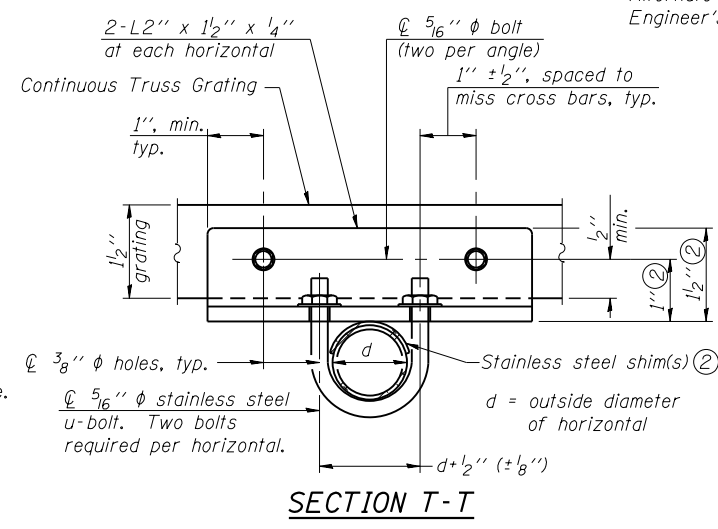
Screw type stainless steel tube clamp at shim location



DETAIL T  
(Continuous Truss grating)



DETAIL D



SECTION T-T

Structure Number	Station	A	⑥ B	C	⑥ D
4C072S5006L005.53	61+01.00	5 3/8''	5'-0"	54"	10'-0"

**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.<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.

- 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<sub>s</sub>, given on OSC-A-1.

OSC-A-7

6-1-12

FILE NAME = 0468683-OSC-A-7.dgn  
USER NAME = RALEE  
PLOT SCALE =  
PLOT DATE = 01/24/2014

DESIGNED - RAL  
CHECKED - JAF  
DRAWN - RAL  
CHECKED - JAF  
REVISED  
REVISED  
REVISED  
REVISED

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES - WALKWAY DETAILS  
ALUMINUM TRUSS & STEEL POST

SHEET NO. 7 OF 9 SHEETS

F.A. R.T.E. SECTION COUNTY TOTAL SHEETS SHEET NO.  
6584 105; (72-7HB)BY PEORIA 487 338  
6585 CONTRACT NO. 68683

ILLINOIS FED. AID PROJECT

