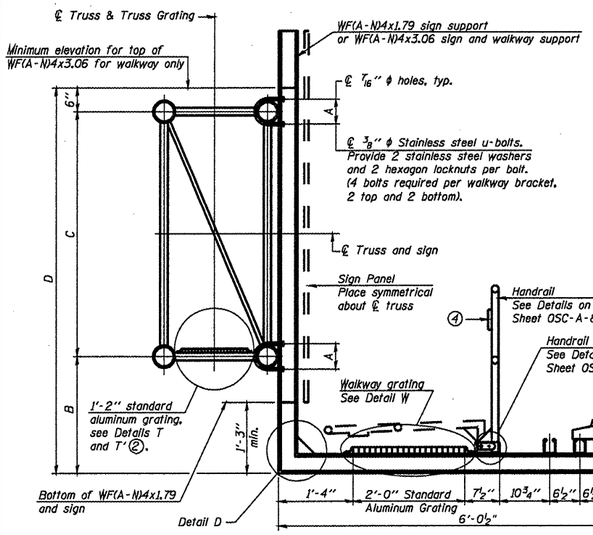
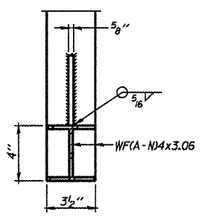
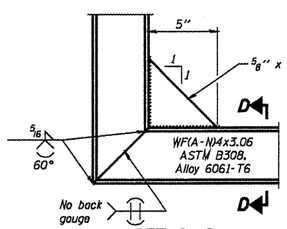



## SECTION B-B

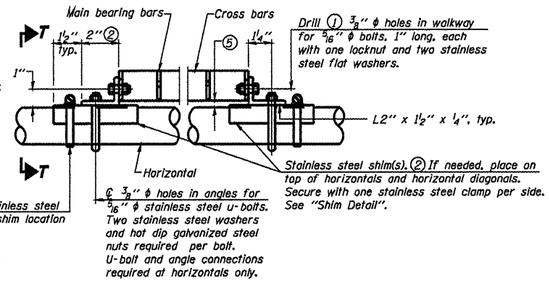



## SECTION D-D



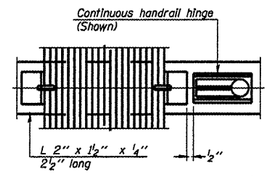

## DETAIL D

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.

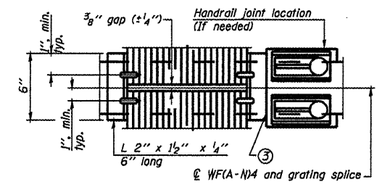



## DETAIL T

(Continuous Truss grating)

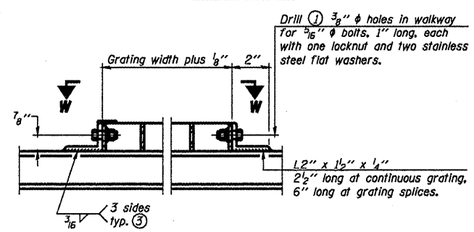



(CONTINUOUS WALKWAY GRATING)



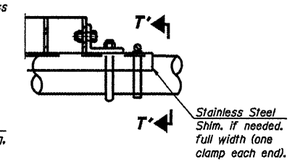

(AT WALKWAY GRATING SPLICE)

## SECTION W-W




## DETAIL W

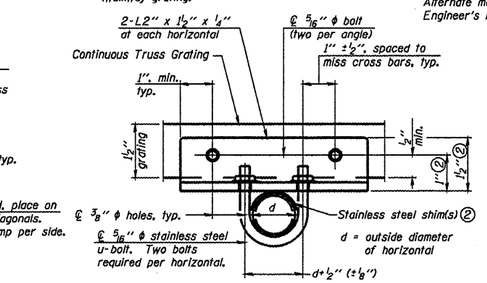
(Walkway grating)




## 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 1½" on 1 3/16" centers and conform to ASTM B211 Alloy 6061-T6.

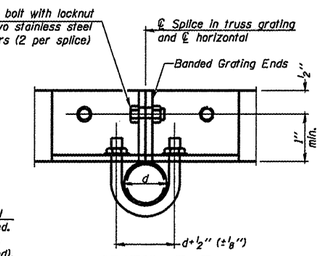
Cross bars (CB) shall be 3/16" x 1½" on 4" centers and conform to ASTM B221 Alloy 6063-T5 or 6061-T6.

**OR**

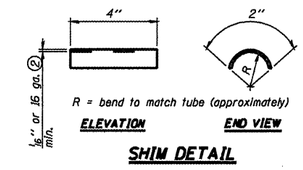
Aluminum Grating with modified "1" sections for main bearing bars shall meet the following requirements:

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 T'-T'




## SHIM DETAIL

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 ℞ ½" 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.

| Structure Number | Station | A | ⑥ B | C | ⑥ D |
|---|---|---|---|---|---|
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OSC-A-7 7-1-10

| FILE NAME = | USER NAME = | DESIGNED - | REVISED - |
|---|---|---|---|
| | | CHECKED - | REVISED - |
| | PLOT SCALE = | DRAWN - | REVISED - |
| | PLOT DATE = | CHECKED - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES - WALKWAY DETAILS
ALUMINUM TRUSS & STEEL POST
SHEET NO. 17 OF 30 SHEETS

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| Various | D-4 OVD SIN STR REPL 11-29 | KNOX-PEORIA | 30 | 17 |
| | | CONTRACT NO. 46152 | | |
| | | ILLINOIS FED. AID PROJECT | | |