



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.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.

Structure Number	Station	A	(6) B	C	(6) D
ISO16S171L000.0-004	114+60.00	6"	3'-6"	4'-6"	8'-6"
ISO16S171L000.0-005	57+03.33	6"	3'-6"	4'-6"	8'-6"

WALKWAY GRATING, WALKWAY SUPPORTS, HANDRAIL AND LIGHTING ARE NOT INCLUDED IN THIS CONTRACT. INFORMATION SHOWN ON THIS SHEET SHALL BE USED FOR TRUSS GRATING AND SIGN BRACKETS ONLY.

- 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-II.)
- 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 height of tallest sign given on OS-A-1.

OS-A-10

6-1-12

LE LIN ENGINEERING, LTD.
 Consulting Engineers
 Springfield, Illinois

USER NAME =
 FILE NAME =
 PLOT SCALE =
 PLOT DATE = 6/23/2014

DESIGNED - JJA
 CHECKED - TBP
 DRAWN - RPW
 CHECKED - TBP

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**OVERHEAD SIGN STRUCTURES
 ALUMINUM WALKWAY DETAILS**
 SHEET NO. 8 OF 10 SHEETS

F.A.P. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
 372/373 2013-038B-R COOK 821 190
 CONTRACT NO. 60J16
 ILLINOIS FED. AID PROJECT