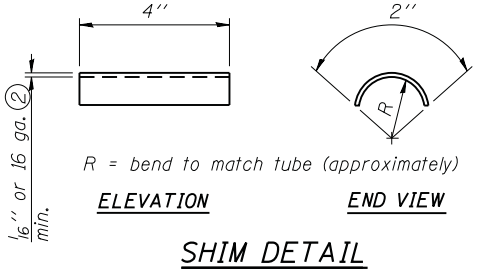


SPECIFICATIONS FOR STANDARD ALUMINUM GRATING
 Main Bearing Bars (MBB) shall be 3/16" x 1 1/2" on 1 3/16" centers and conform to ASTM B211 Alloy 6061-T6.
 Cross bars (CB) shall be 3/16" x 1 1/2" on 4" centers and conform to ASTM B221 Alloy 6063-T5 or 6061-T6.

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.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.

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.



- 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 1/4" extension bars. (See Base Sheet OSC-A-8.)
- ④ 1/8" x 1/2" x 2" welded to handrail posts to protect locations that contact grating.
- ⑤ Tube to grating gap may vary from 0 to 1/2", max. to align walkway, allow for camber, etc.
- ⑥ Based on actual sign height, D_s, given on OSC-A-1.

Structure Number	Station	A	⑥ B	C	⑥ D
1C016394L000.0-001	124+60.00 LT	8 5/8"	1'-0"	7'-0"	9'-0"

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
 DATE PLOTTED: 5/17/2012 14:26 PM
 FILE NAME: 86100196.11-sign-07.dgn
 PLOT DRIVER: pdfcut
 PEN TABLE: Struct 22x34.tbl

OSC-A-7
 9-15-11
 HRGreen

USER NAME = mhardin	DESIGNED - J. GUERRIERO	REVISED -
PLOT SCALE = N/A	DRAWN - J. GUERRIERO	REVISED -
PLOT DATE = 5/17/2012	CHECKED - R. DAVIES	REVISED -
	DATE - 5/17/12	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES - WALKWAY DETAILS
 ALUMINUM TRUSS & STEEL POST
 SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE. 332	SECTION 2011-073-T	COUNTY COOK	TOTAL SHEETS 44	SHEET NO. 21
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60P93	