



SPECIFICATIONS FOR STANDARD ALUMINUM GRATING

Main Bearing Bars shall be 5 mm x 38 mm on 30 mm centers and conform to ASTM B221M Alloy 6061-T6.

Cross bars shall be 5 mm x 38 mm on 102 mm centers and conform to ASTM B221M 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 B221M Alloy 6061-T6 and have a minimum section modulus equal to $1.16 \times 10^{-3} \text{ mm}^3$ per bar, a depth of 38 mm, spaced on 30 mm centers.
Cross bars shall conform to ASTM B221 Alloy 6063-T5 or T-42 and spaced on 100 mm 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 WFA-N102 and 6 mm extension bars. (See Base Sheet OS-A-1(KM).)
- ∅ 3 mm x 13 mm x 50 mm welded to handrail posts to protect locations that contact grating.

Structure Number	Station	A	B	C	D
ISO161080L162.6	6+546.200	191	1.76 m	2.13 m	4.04 m

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. ROUTE 80/94 (KINGERY EXPRESSWAY)
 EB & WB INSIDE LANES (MAINLINE) CONSTRUCTION
 COOK COUNTY

**OVERHEAD SIGN STRUCTURES
 ALUMINUM WALKWAY DETAILS II**

SCALE: DATE: 7/18/2005

DRAWN BY: NK
 CHECKED BY: VCP

TENG
 TENG & ASSOCIATES, INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 CHICAGO, ILLINOIS