



Technical drawing of a rail and splice bolt slot assembly. The drawing shows a side view of a rail with a central 'POST BOLT SLOT' and two side 'RAIL BOLT SLOTS'. Below the rail, a 'SPLICE BOLT SLOT' is shown with dimensions for its width (1 1/8 inch) and height (29/32 inch). The rail has a width of 2 1/2 inches and a height of 3/4 inch. The rail elements are shown in a cross-section view on the right, with 8 splice bolts. Dimensions for the rail elements include 4 1/4 inch, 2 inch, 4 1/4 inch, 8 1/2 inch, and 2 inch. The rail elements are labeled 'RAIL ELEMENTS' and '8 - SPLICE BOLTS'.

A technical diagram illustrating the assembly of a rail element onto a post. The diagram shows a central vertical post. On either side of the post, a rail element is attached. The rail element is a rectangular block with a series of vertical slots along its length. A rail bolt is inserted through the rail element, passing through the post. The bolt is secured with a nut and washer on the left side. A blockout is shown on the right side of the rail element, which is used to secure the rail element to the post. Labels with leader lines identify the following components: POST, BLOCKOUT, RAIL ELEMENT, RAIL BOLT, and NUT WITH WASHER.

12'-6" OR 25'-0" (CENTER TO CENTER OF SPLICES)

6'-3"

6'-3"

3'-1½"

3'-1½"

1"

RAIL SPLICE

RAIL ELEMENT

RAIL BOLT

SPLICE BOLTS

LAP IN DIRECTION OF TRAFFIC

GROUND LINE

RUB RAIL *

3'-4" FOR 6' POST

2'-7"

1'-6¾"

* RUB RAIL TO BE PROVIDED IN MEDIAN ON SWALE SIDE, ONLY WHERE SHOWN ON THE PLANS

SEE NOTE 4

5/8" DIA. BUTTON HEAD BOLT

1" DIA. x $\frac{1}{16}$ " DEEP
RECESS BOTH SIDES

HEAVY HEX NUT

$\frac{1}{4}$ "

$\frac{11}{16}$ "

5/8" DIA. RECESS NUT

BEAM GUIDE RAIL, DUAL FACED (MASH TL-3)

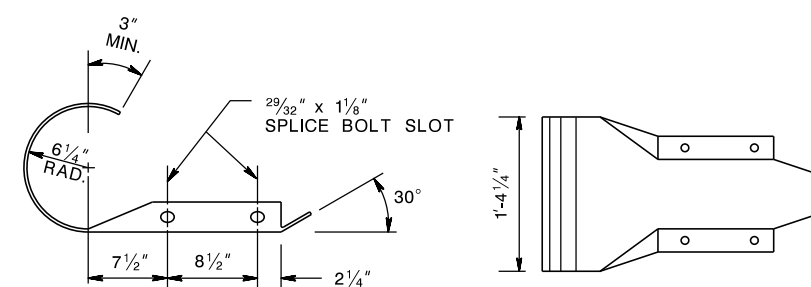
CD-609-2

NOTE:
ALL HOLES $13/16"$ DIA.

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Technical drawing of a rectangular box. The front view (top) shows a width of 8" and a height of 14". The top view (bottom) shows a width of 6" and a height of 7 1/8". The side view (right) shows a depth of 4 1/2" and a height of 3/4". The drawing includes dashed lines to indicate internal structure and a 3/4" DIA. hole in the side view.

6"x8"x14" BLOCKOUT



NOTES:

1. ALL DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
2. FURNISH RAIL ELEMENTS SHOPCURVED, CONCAVE OR CONVEX, FOR RADII BETWEEN 20 AND 150 FEET.
3. WHERE TRANSITIONING TO EXISTING GUIDE RAIL, AN END TERMINAL, OR A CRASH CUSHION MOUNTED AT A HEIGHT OTHER THAN 2'-7", THE VERTICAL TRANSITION TO BE ACCOMPLISHED IN A MINIMUM LENGTH OF 12'-6" FOR EACH 2" OF VERTICAL CHANGE. SEE CD-609-8.
4. INSTALL AN END TERMINAL AS SHOWN ON THE PLANS. USE THE END SECTION (ROUNDED) ON THE END OF THE RAIL ELEMENT WHERE DUAL FACED BEAM GUIDE RAIL ENDS AND SINGLE FACED BEAM GUIDE RAIL BEGINS.

CD-609-2.1