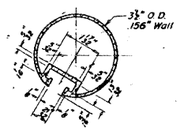
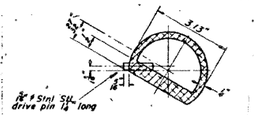
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

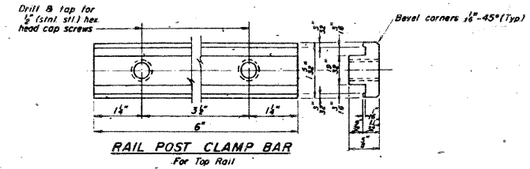
130



SECTION THRU TOP RAIL



SECTION THRU SPLICE
TOP RAIL



RAIL POST CLAMP BAR
For Top Rail

NOTES:

All Posts shall be normal to parapet.

All Aluminum Alloy Extruded Rail shall be supplied in modular lengths of 30 feet, except at the end of bridge or over open joints in bridge deck where the rail shall be attached to a minimum of 2 posts. If the rail is on a horizontal curve of 2300 foot radius or less, the modular lengths may be reduced but shall be attached to a minimum of 2 posts.

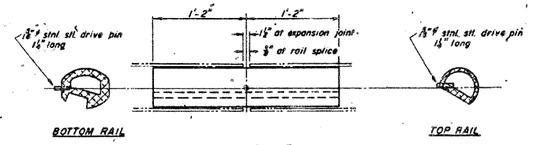
All joints in rail shall be spliced per detail.

Provide 1-⅛" and 2-1/16" Aluminum Shims for 25% of the Posts.

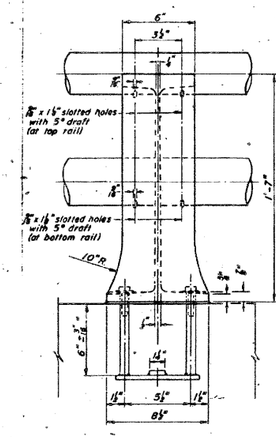
Rail elements shall be parallel to Grade - high spots shall be ground and low spots shimmed.

Railing shall be in accordance with Section 508 of the Standard Specifications, except as noted.

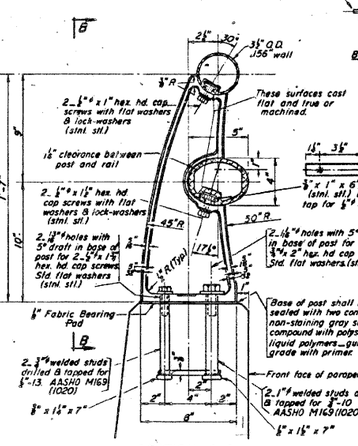
Aluminum alloy rail shall conform to ASTM B221 alloy 6061-T6 or 6351-T5 with min. yield 35 ksi, min. tensile 38 ksi, and elongation of 10% in 2 inches.



RAIL SPLICE

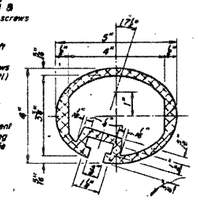


VIEW B-B

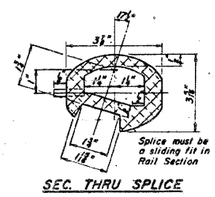


SECTION A-A

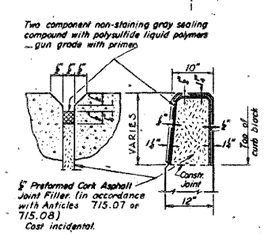
RAIL POST DETAILS



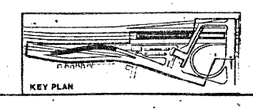
SEC. THRU ELLIPTICAL RAIL SECTION



SEC. THRU SPLICE



PARAPET JOINT DETAIL



CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
O'HARE EXTENSION
CONTRACT OE-15
(HARLEM STATION COMPLEX
(ALUMINUM RAILING TYPE L
(WEST BOUND HIGGINS BRIDGE))
Scale: Date: AUG. 1980 Sheet No. S-38

ISSUED FOR BID 17 DEC 80

In Charge TA
Designed By
Drawn By
Checked By
Approved By TA

EXISTING PLAN INFORMATION 4 OF 4
STRUCTURE NO. 016-2519

FOR INFORMATION ONLY

benesch

alfred benesch & company
Engineers • Surveyors • Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10032.13

SHEET NO. 14	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14 SHEETS	3531	1515.1-I	COOK	35	25
			CONTRACT NO. 60J58		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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