

GENERAL RAILING NOTES

All posts to be set normal to the grade.
 Prior to fabrication of the railing, shop drawings shall be submitted to the Highway Department for approval.
 One anchor bolt template shall be supplied for each type of post.
 Tubular rails, rail posts, box section inserts, wedges, end caps, anchor bolts, nuts, washers, anchor bolt templates, shims & all labor, tools, equipment and incidentals necessary to complete the acceptable railing installation shall be included in the Unit Price bid for Item 572.
 All bolts, nuts & washers shall be galvanized to A.S.T.M.-A-153-61.

GALVANIZED METAL RAILING

Intermediate Three Tube Post - Malleable Iron Casting - A.S.T.M. A-47 GR. 35018, galvanize to A.S.T.M. A-123-59.
 Maximum post spacing shall be 10'-0".

Except for end sections and panels over expansion joints, all rails shall run continuous through two consecutive posts. Rails shall be so arranged, that no more than two splices will be adjacent to any given post. (In effect stagger joints as much as is practical.)

ALUMINUM RAILING

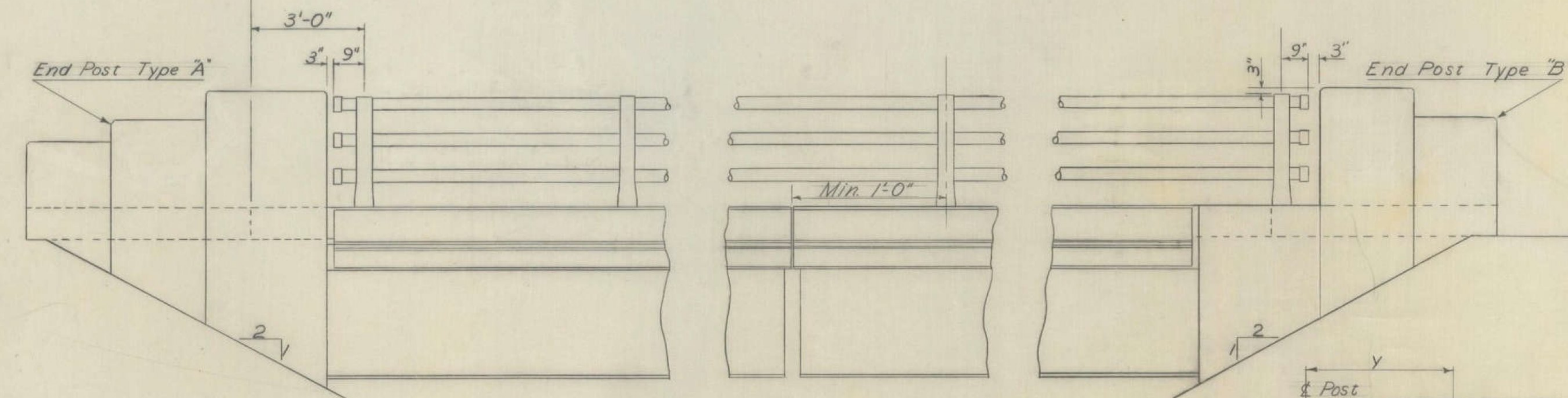
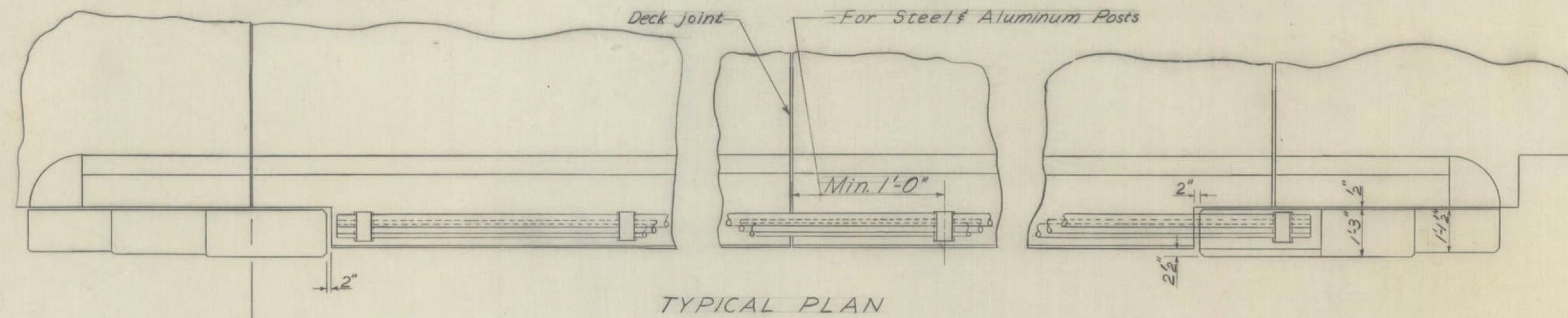
Posts shall meet A.A.S.H.O. Designation M-193-61. Rails shall meet A.S.T.M. - Specification B 235-61, Alloy-6061 Cond. T-6.
 Maximum post spacing shall be 7'-2".

Aluminum railing posts are to be set on pads $\frac{1}{8}$ " thick of a non-conductive material meeting the approval of the Engineer and the edges are to be sealed with an Aluminum Impregnated Caulking Compound.

Except for end sections all rails shall run continuous through three consecutive railing spans. With the exclusion of the end posts, the joints shall be placed so that there will be no more than one rail splice at each post.

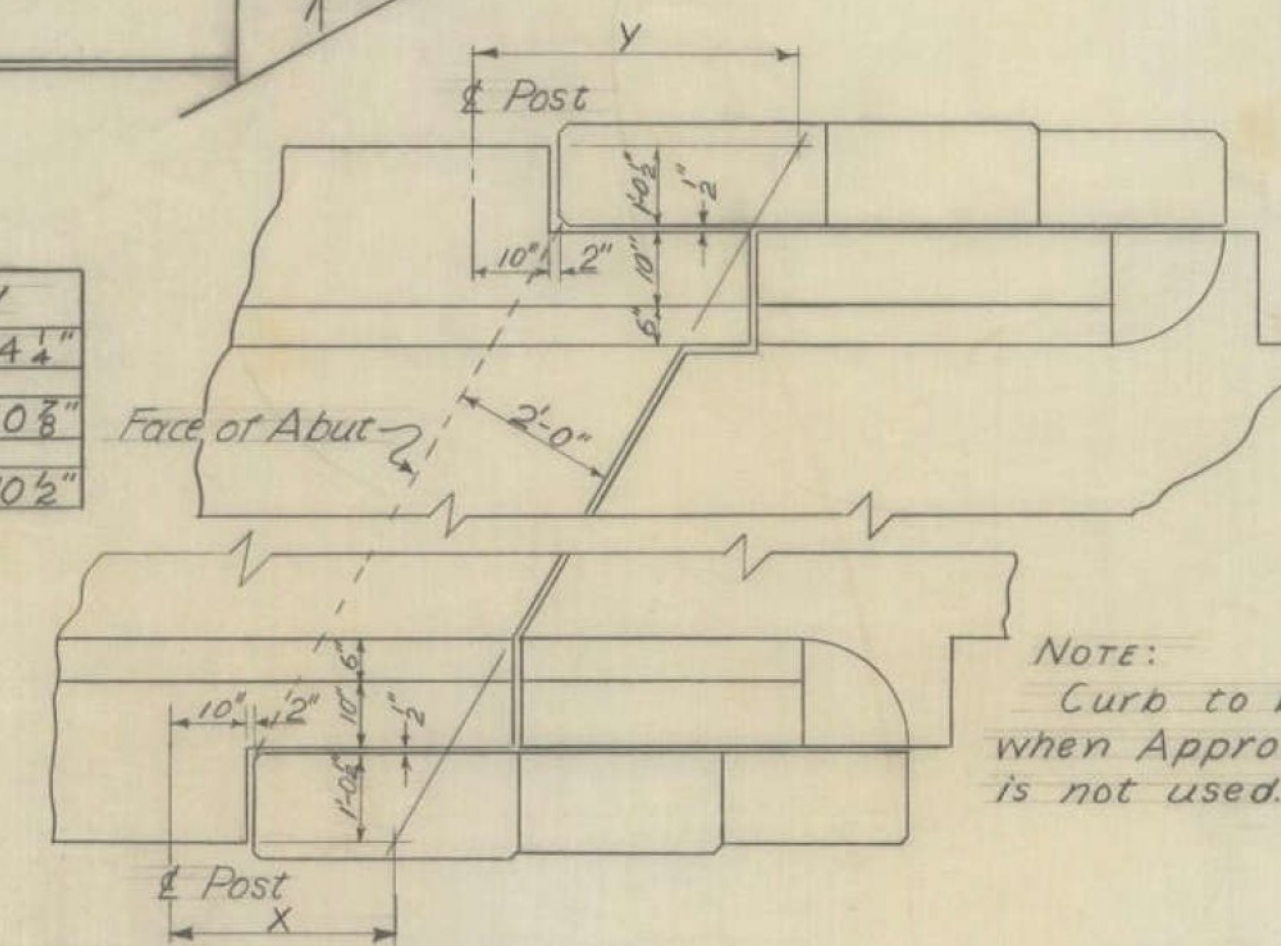
GALVANIZED METAL RAILING (CONTINUED)

All rail splices and end caps shall be tested after galvanizing to assure proper clearances for field erection.



TYPICAL ELEVATION

SKEW	X	Y
15°	2'-9 1/2"	3'-4 1/4"
30°	2'-8 1/2"	3'-10 3/8"
45°	2'-9 1/2"	4'-10 1/2"



PLAN FOR SKEWED ENDS

REVISIONS & CORRECTIONS
 Note added for testing rail splices after galvanizing. 9/29/64 WMS.

Drawn By: *M* Date: Dec. 1, 1962
 Traced By: *M* Date: Dec. 1, 1962
 Checked By: *EEB, WMS, RSH* Date: Dec. 1, 1962
 Recommended: *MBC* Date: 12/7/62
 For Approval: *Bridge Engineer* Date:
 Recommended: *RN* Date: 1/16/63
 For Approval: *Assist. Chief Engineer* Date:
 Approved By: *A. S. Bullock* Date: 1/4/63
 Chief Engineer

DETAILS OF BRIDGE RAILING
 PLAN & ELEVATION

EITHER ALUMINUM OR GALVANIZED METAL
 RAILING MAY BE USED

VERMONT
 DEPARTMENT OF HIGHWAYS
 STRUCTURE STANDARDS
SB-5G-62 SHEET 1 OF 2