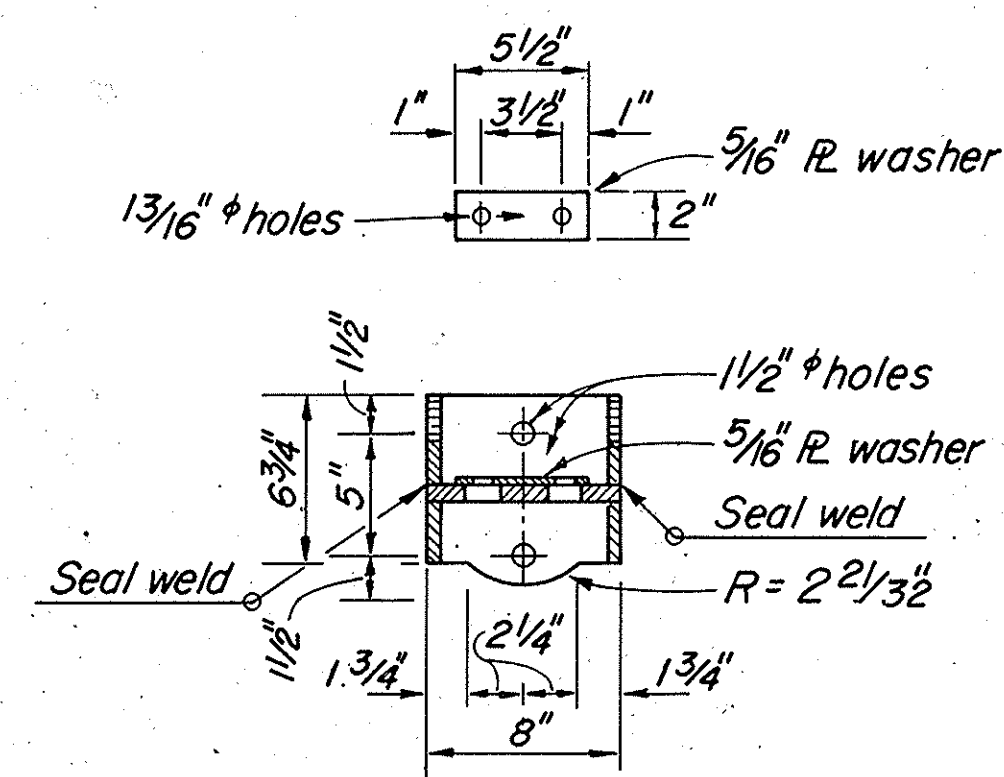
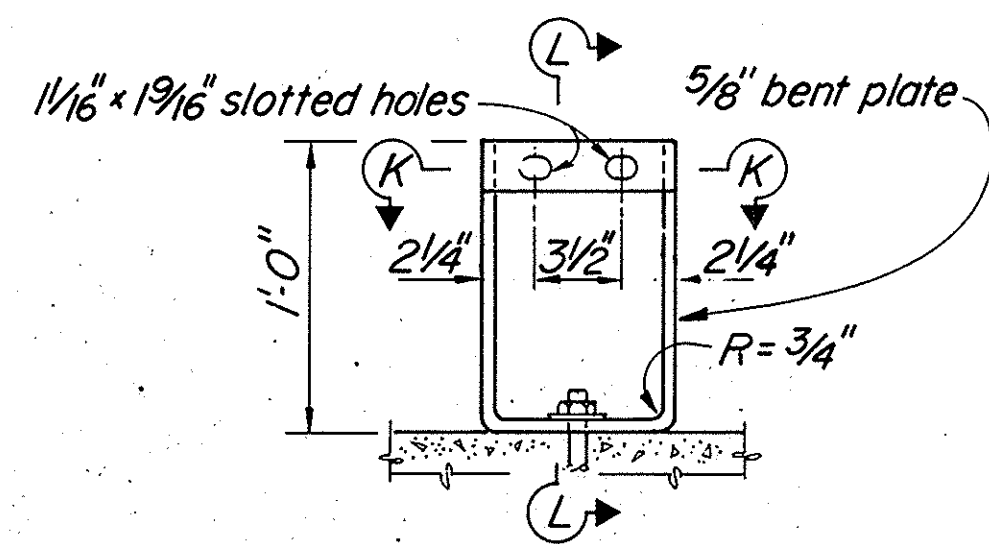




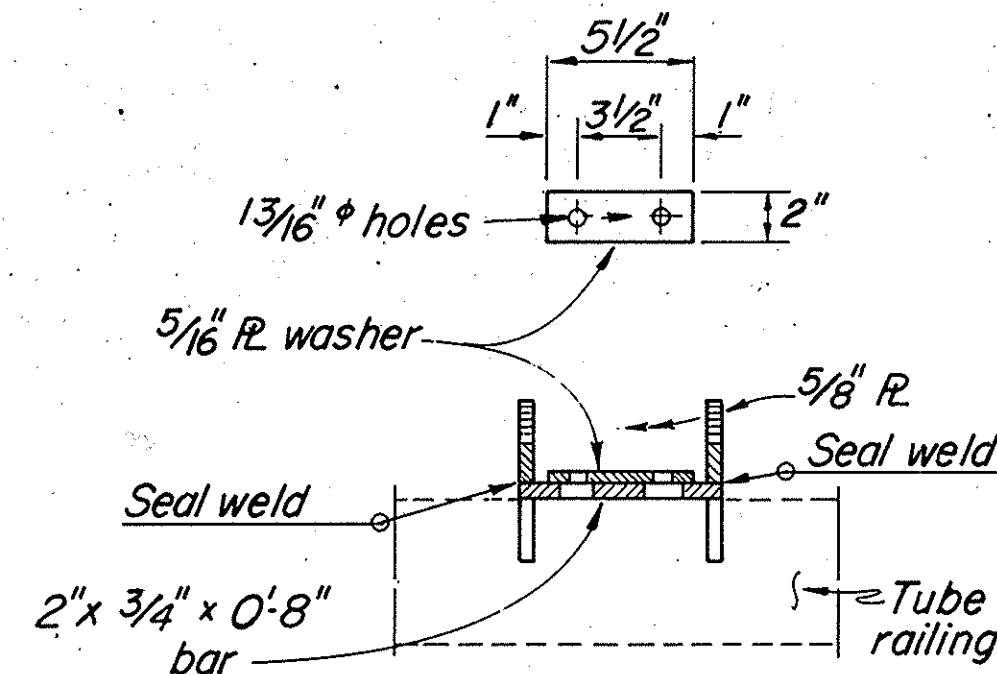
SECTION K-K



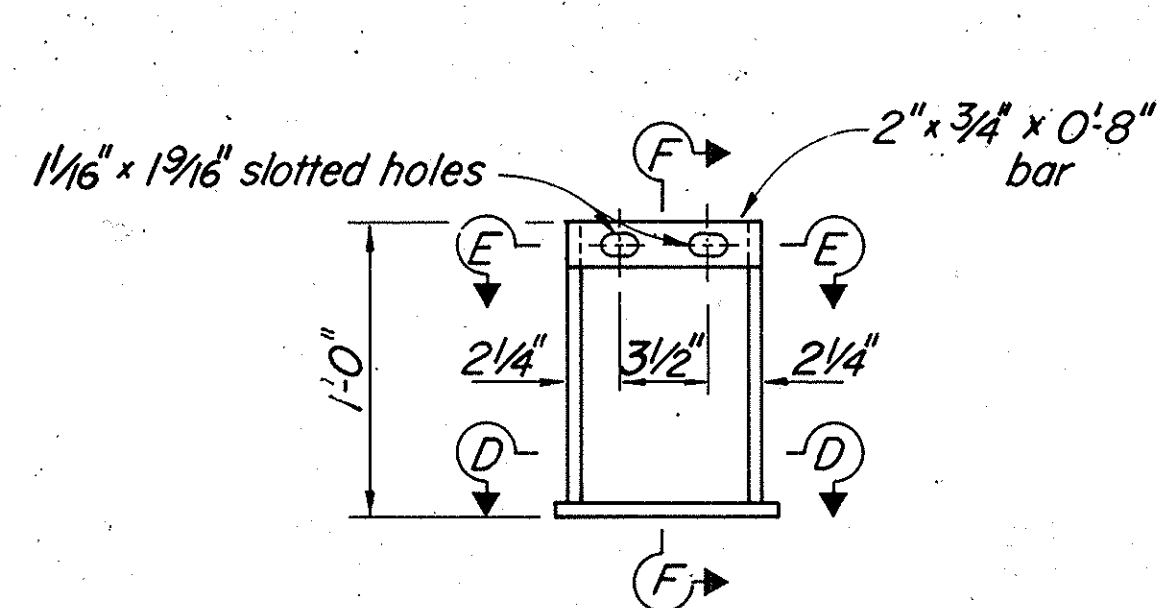
ELEVATION

ALTERNATIVE RAIL POST DETAILS TYPE 9

These details apply to Barrier Railing Types 9 and 12



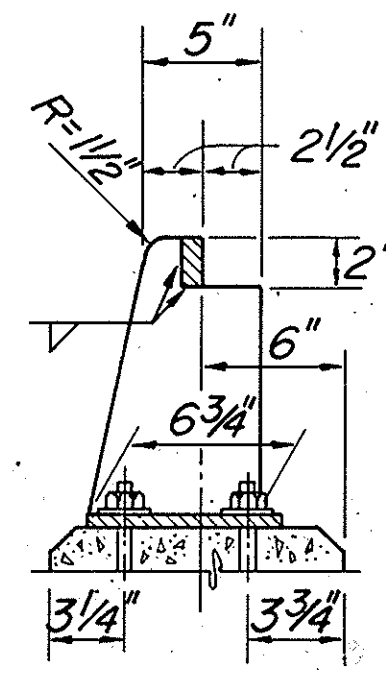
SECTION E-E



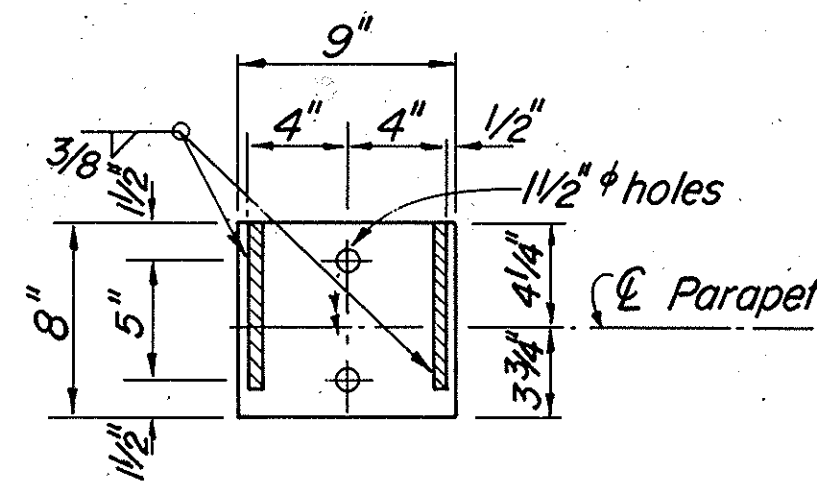
ELEVATION

RAIL POST DETAILS TYPE 9

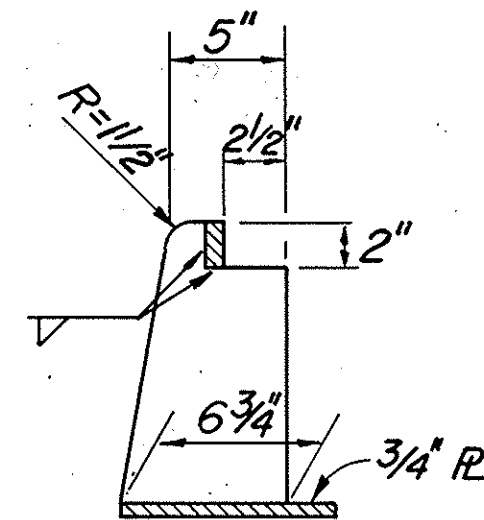
These details apply to
Barrier Railing Types 9 & 12



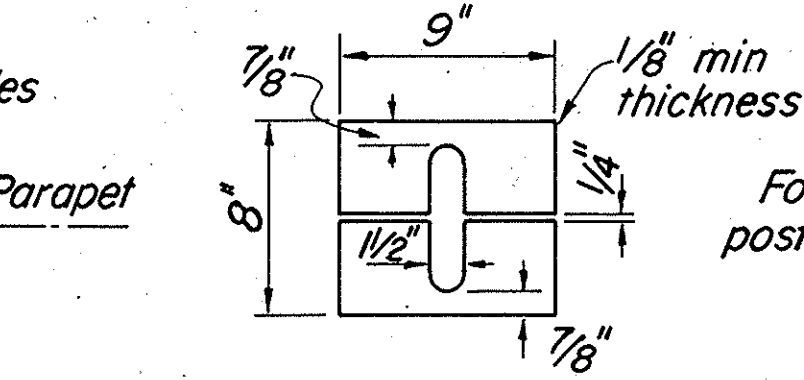
SECTION L-L



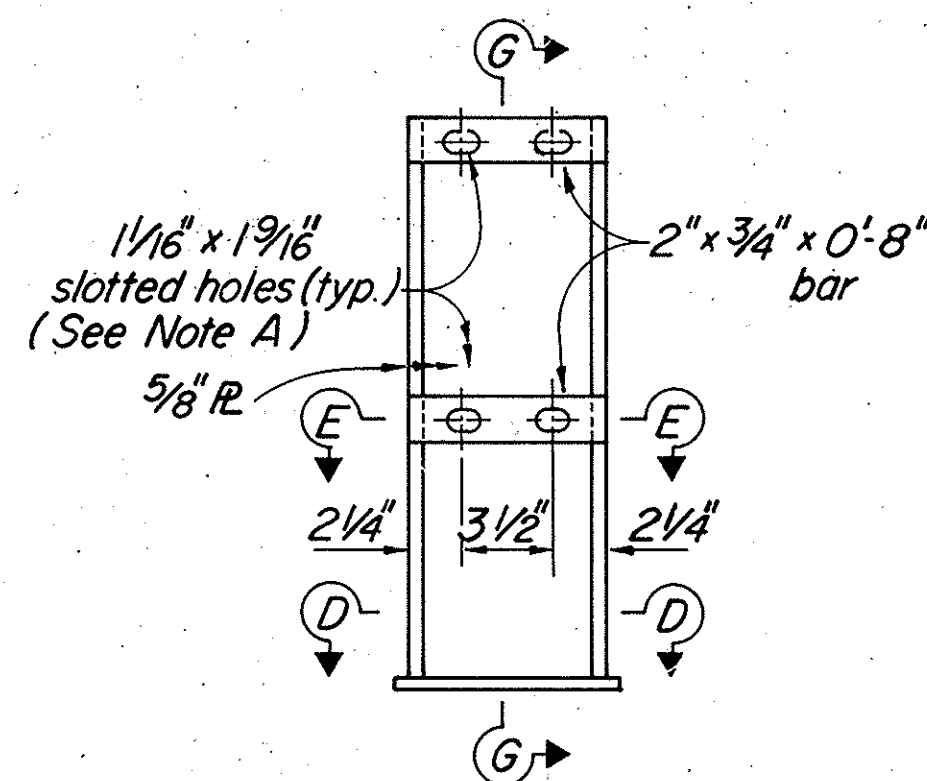
SECTION D-D



SECTION F-F



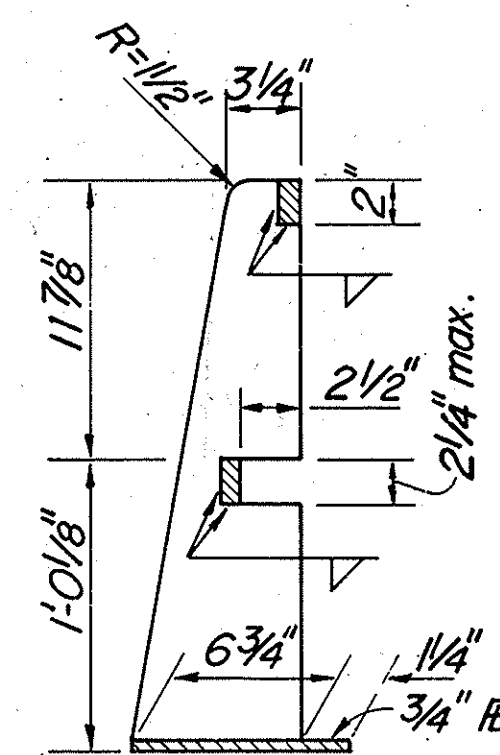
POST SHIM DETAIL TYPES 9 & 11



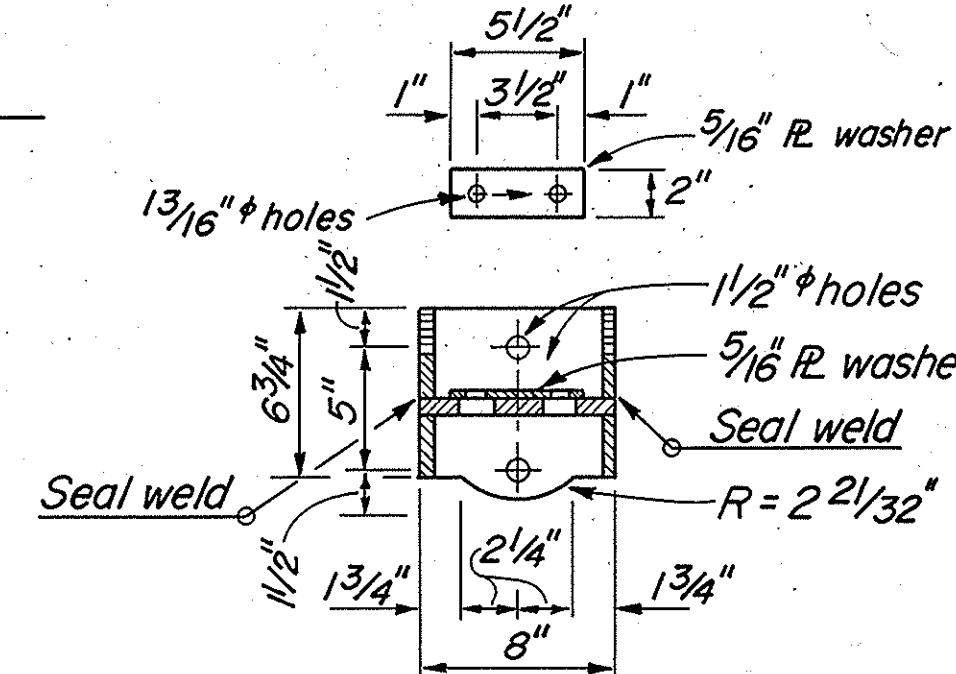
ELEVATION

RAIL POST DETAILS TYPE II

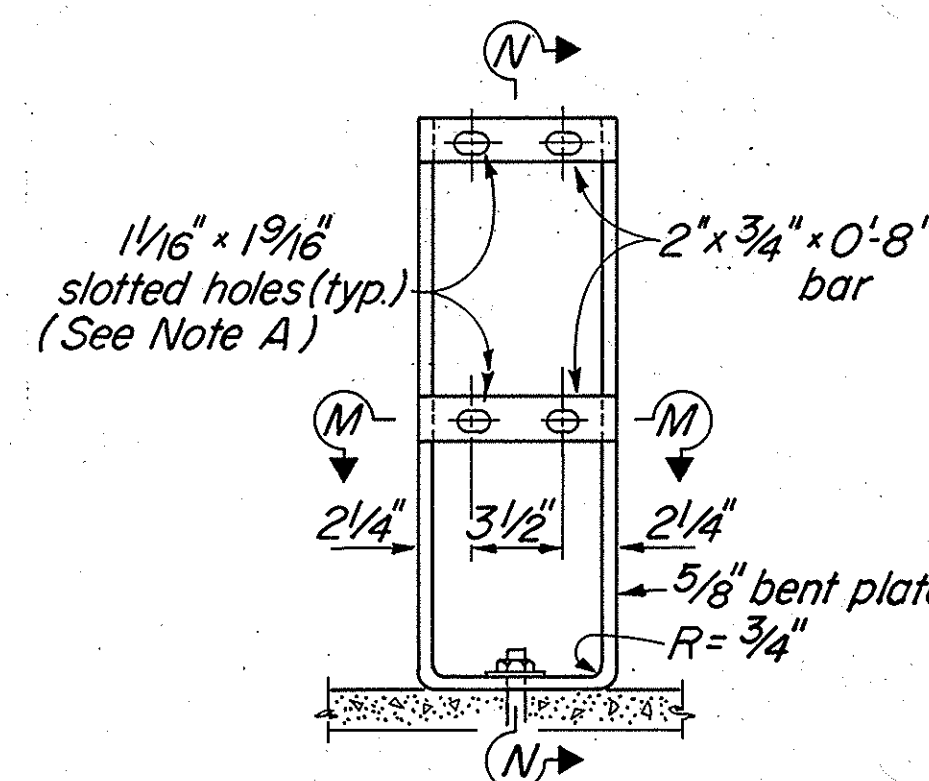
These details apply to
Barrier Railing Types II & 9-II



SECTION G-G

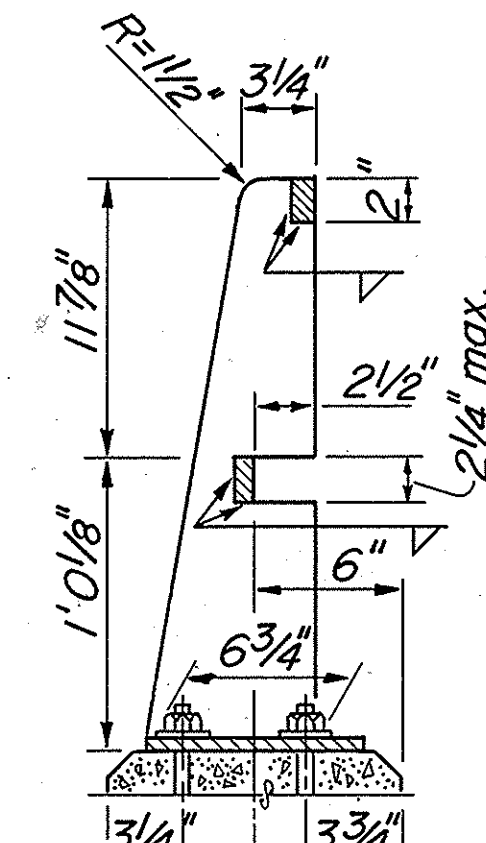


SECTION M-M

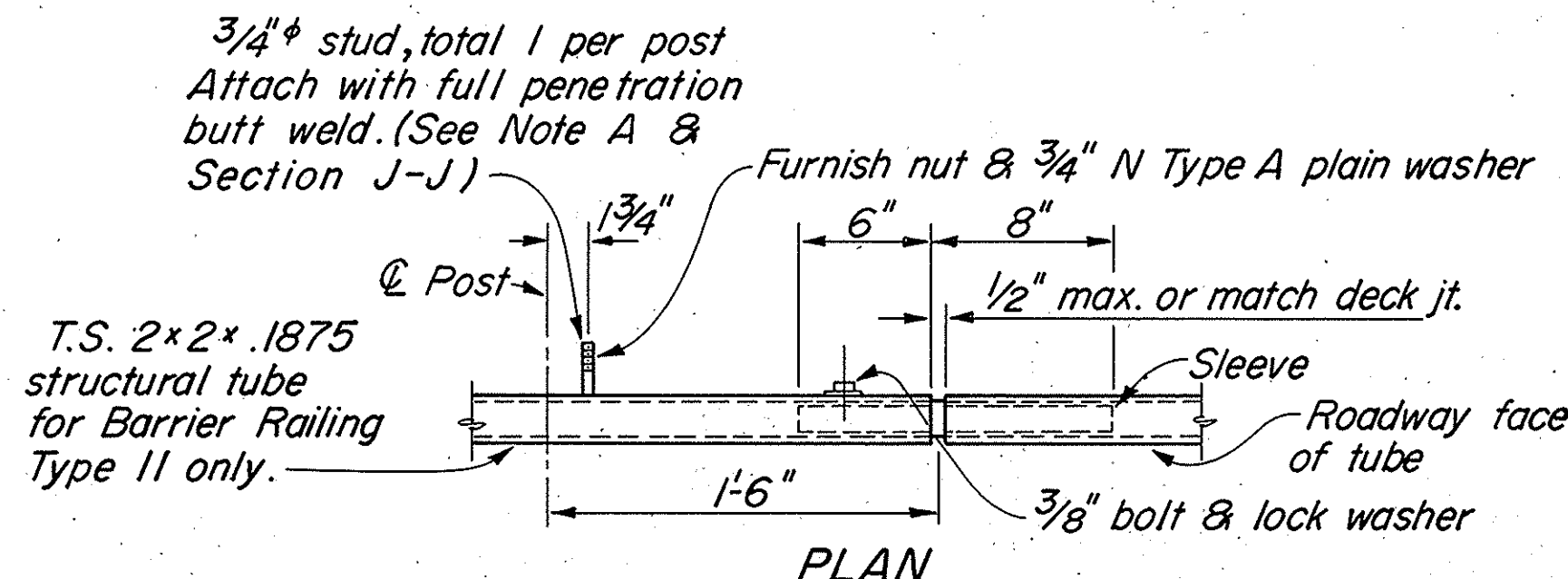


ELEVATION

ALTERNATIVE RAIL POST DETAILS TYPE II



SECTION N-N



PLAN

Tack weld 3/8 inch nut inside of sleeve for 3/8 inch hex bolt with lock washer. (total 1) See Note B.

Sleeve formed of 3/16 inch R, bent thus: for sliding fit inside of rail tube.

Note A:

3/8 inch studs may be used with 2x2 tube in lieu of 3/4 inch studs. Decrease post slotted hole size to 5/8 inch x 1 1/8 inch and use 3/8 inch W Type A plain washers.

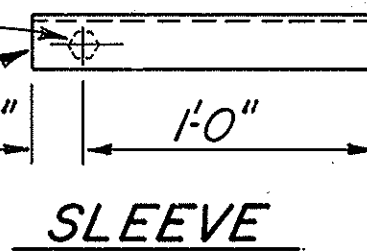
Note B:

3/8 inch hex nut tack welded to inside of sleeve may be replaced by a drilled and tapped hole to accept the 3/8 inch bolt.

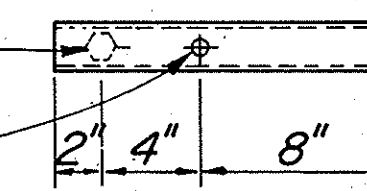
Tack weld 3/8 inch nut inside of sleeve for 3/8 inch hex bolt with lock washer. (total 1). See Note B.

1/2 inch holes near & far side. Sleeve formed of 3/16 inch R, bent thus: for sliding fit inside of rail tube.

SLEEVE

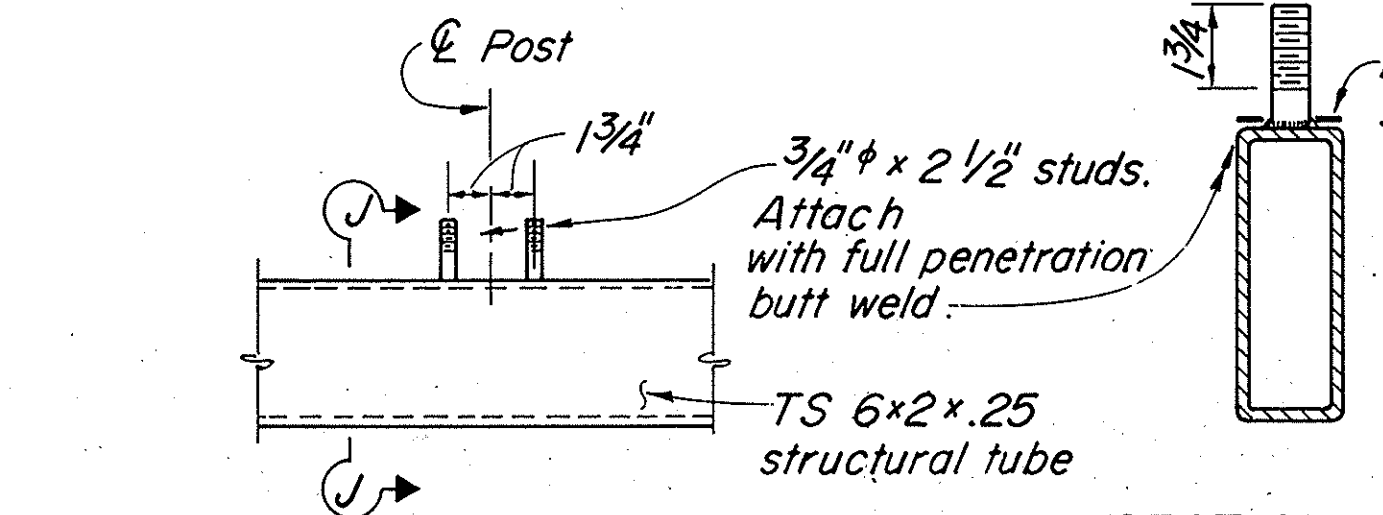


SLEEVE



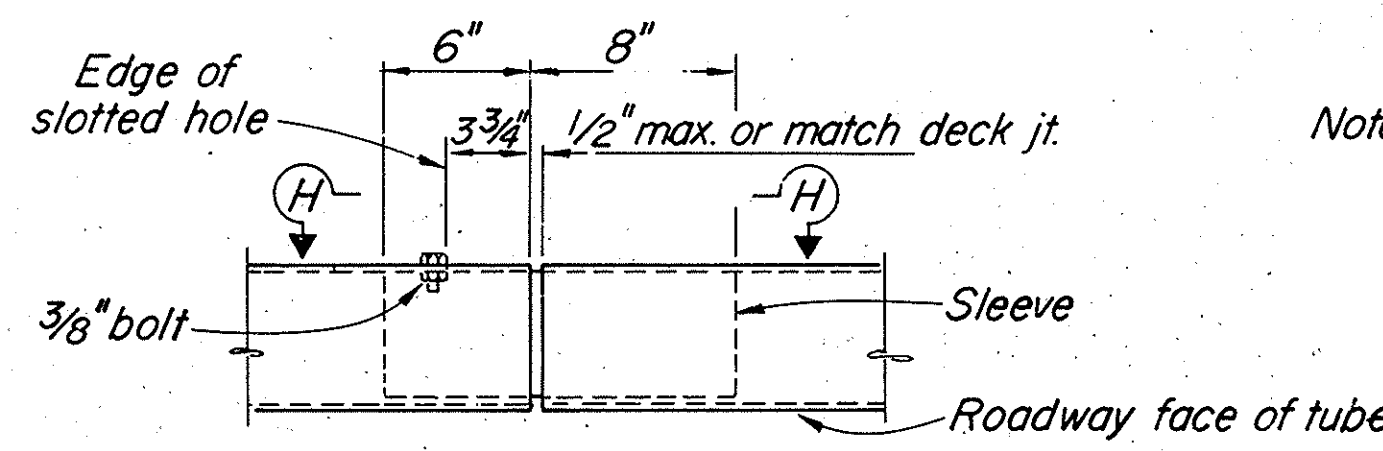
SLEEVE

DETAIL A - TUBE SPLICE

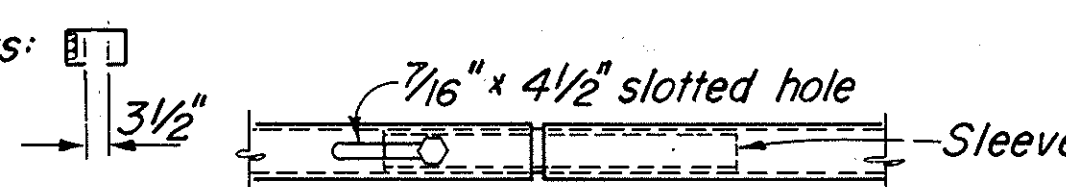


SECTION J-J

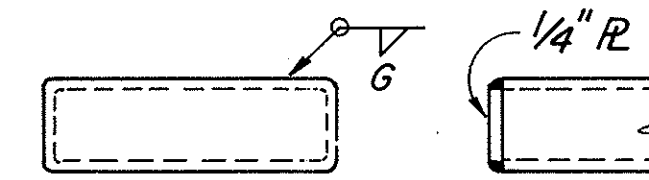
STUD BOLT DETAILS



PLAN

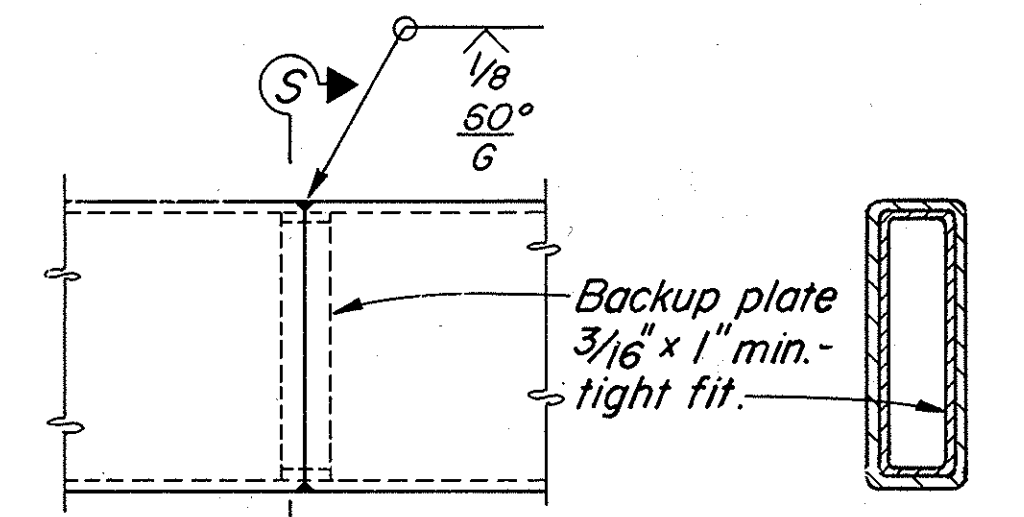


VIEW H-H



RAIL CAP

Note: Contractor may submit alternative detail for approval. Typical for 2x2 tube also.



SECTION S-S

TUBE - WELDED SPLICE

ORANGE COUNTY ROAD DEPARTMENT	
TRABUCO ROAD BRIDGE SR-6 OVER SERRANO CREEK	
METAL RAILING DETAILS TYPES 9 & II	
NO SCALE	SHEET 2 OF 40

#12517
Trabuco Rd Phase II
Sheet 21 of 40
R.d. 24:1
CronaFlex

AS BUILT

DR#18 (12517)

B 11-43

21 of 40