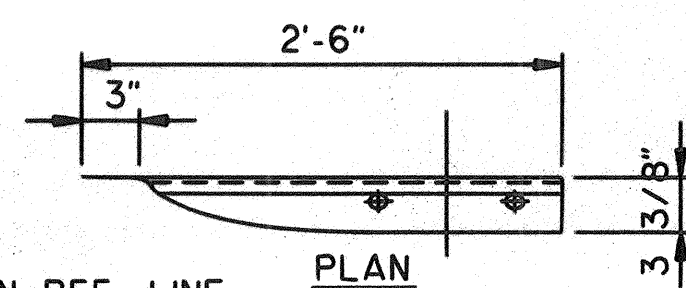


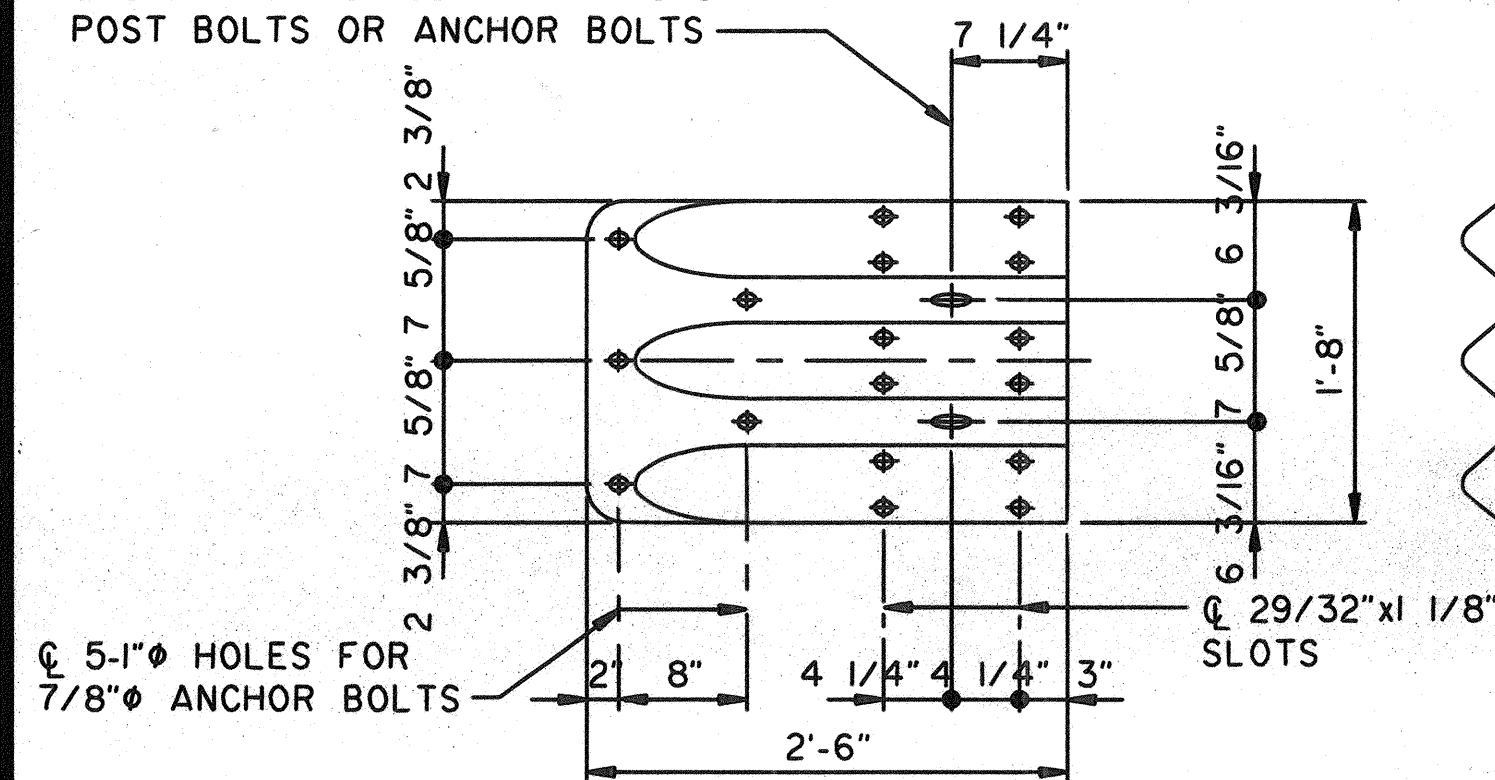
NOTES:

-
- Technical drawing of a guardrail connection. The drawing shows a cross-section of a guardrail system with various components and dimensions. Key elements include:
- METAL GUARDRAIL CONNECTION REF. LINE**: A vertical line indicating the reference point for the connection.
 - TERMINAL CONNECTOR**: A component at the end of the guardrail section.
 - CONCRETE END POST**: A post embedded in the ground, supporting the guardrail.
 - LAP IN DIRECTION OF TRAFFIC**: A dimension of 2'-6" indicating the overlap of the guardrail sections.
 - 3'-3" PAY LIMIT**: A dimension indicating the length of the pay limit section.
 - 25'-0" SEE NOTE 5 (THIS SHT.)**: A dimension indicating the length of the main guardrail section.
 - 3'-1 1/2" 4 SPACES @ 1'-6 3/4" = 3 SPACES @ 3'-1 1/2" = 6'-3"**: Dimensions for the spacing of the guardrail posts.
 - 9'-4 1/2"**: A dimension for the length of a section of the guardrail.
 - 6'-3"**: A dimension for the length of a section of the guardrail.
 - TRANSITION SECTION**: A section of the guardrail where it transitions to a different type of guardrail.
 - 6'-3"**: A dimension for the length of a section of the guardrail.
 - 6'-3"**: A dimension for the length of a section of the guardrail.
 - BALANCE-SEE "STANDARD PLAN" 1E-50 & 1E-51**: A reference to other standard plans for the balance of the guardrail system.
 - "W" BEAM METAL GUARDRAIL**: A dimension of 1'-10" indicating the height of the guardrail.
 - FINISH GRADE**: The ground level where the guardrail is installed.

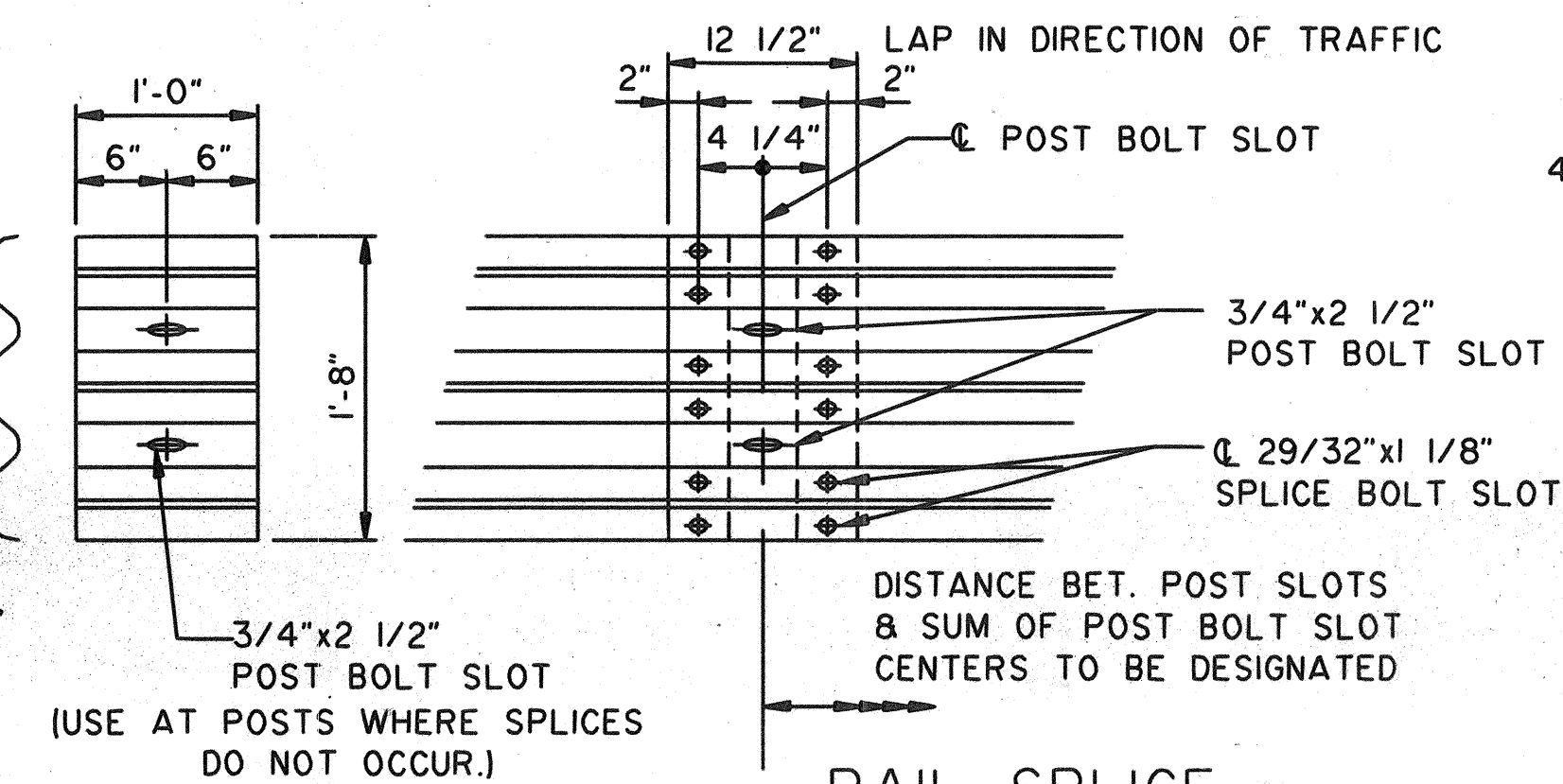
SCALE : 1" = 1'-0"



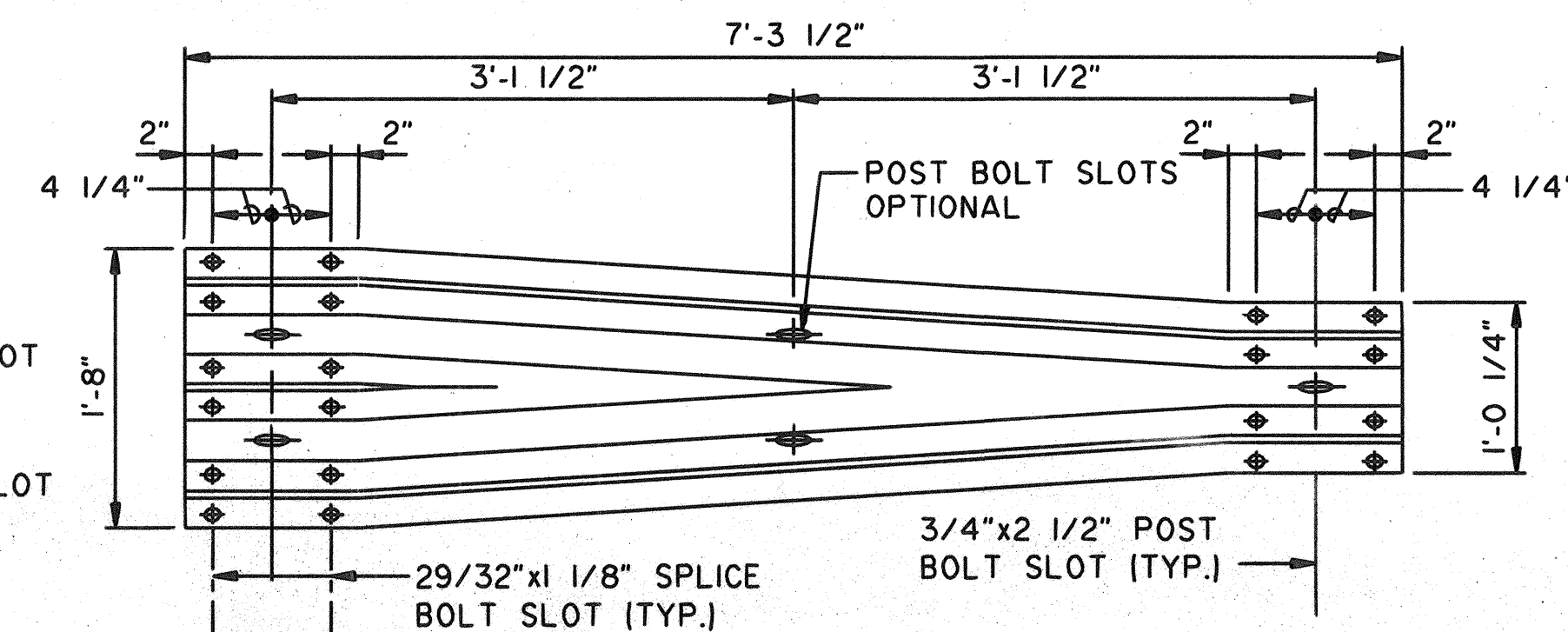
GUARDRAIL CONNECTION REF. LINE
8 2-3/4"x2 1/2" SLOTS FOR 5/8"
POST BOLTS OR ANCHOR BOLTS—



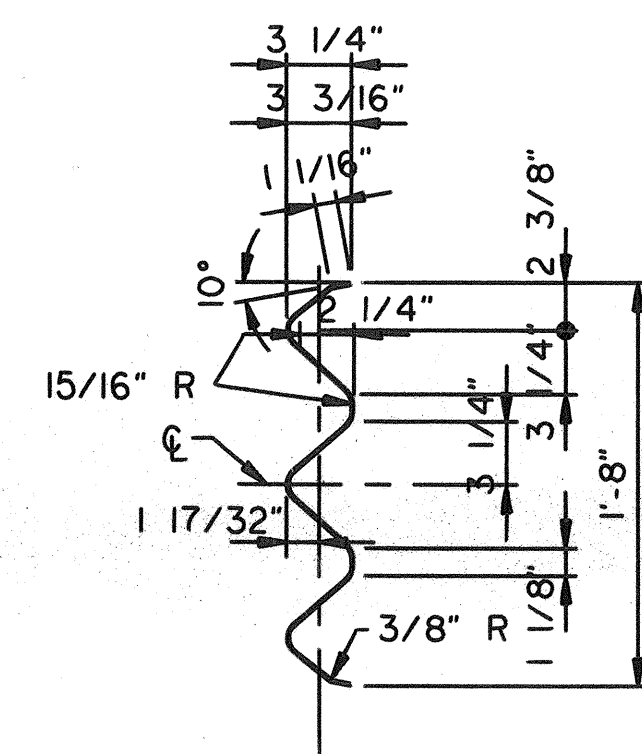
SCALE : 1" = 1'-0"



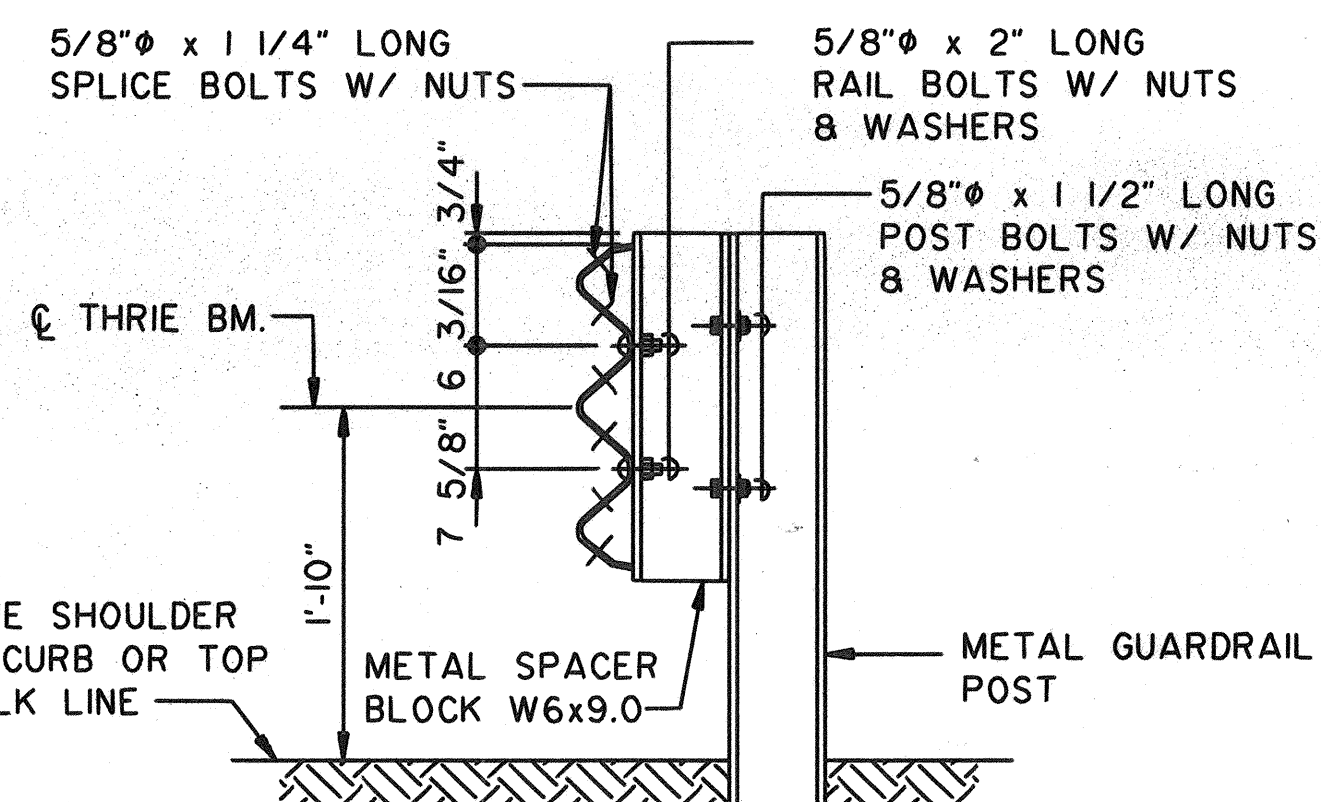
SCALE : 1" = 1'-0"



SCALE : 1" = 1'-0"

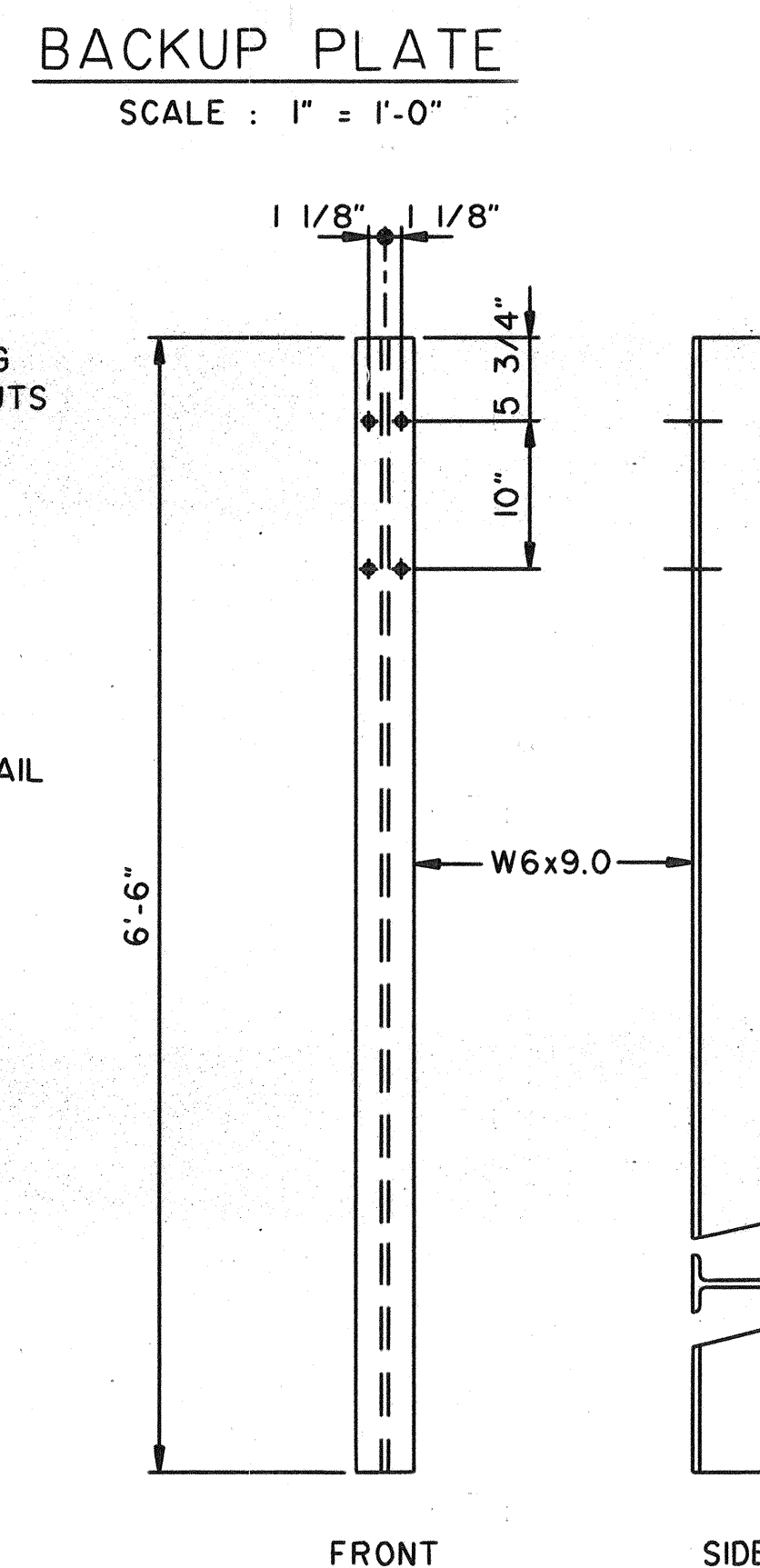


SCALE : 1 1/2" = 1'-0"

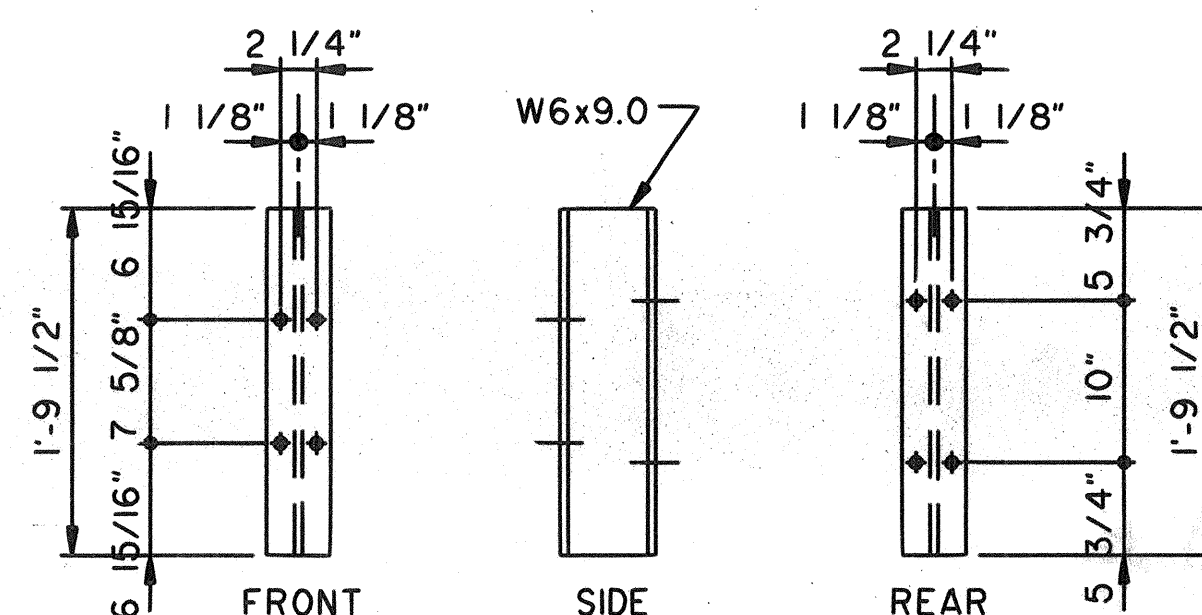


METAL GUARDRAIL ON METAL POST
WITH METAL SPACER BLOCK

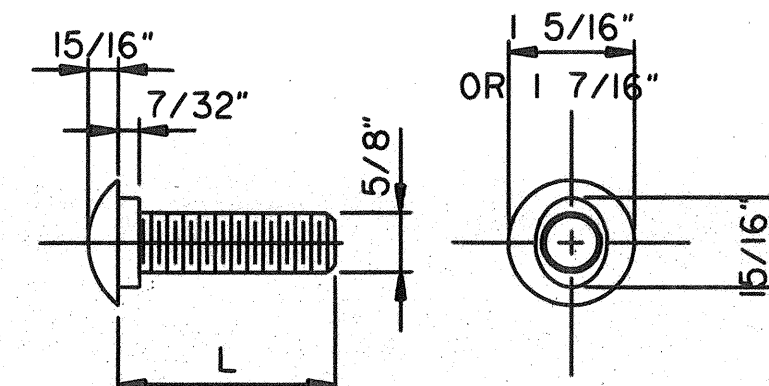
SCALE : 1" = 1'-0"



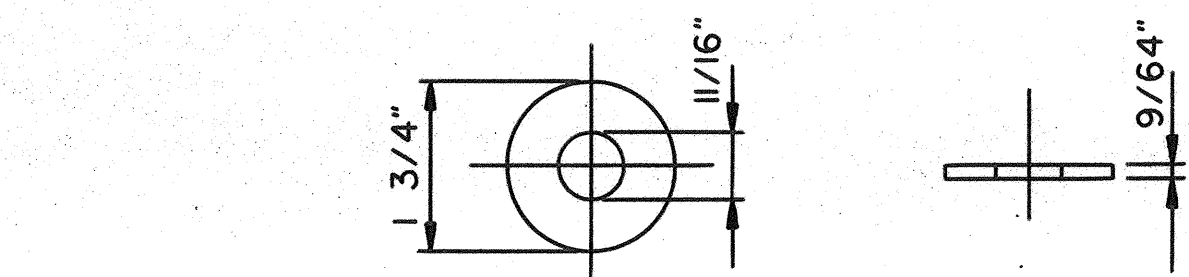
SCALE : 1" = 1'-0"



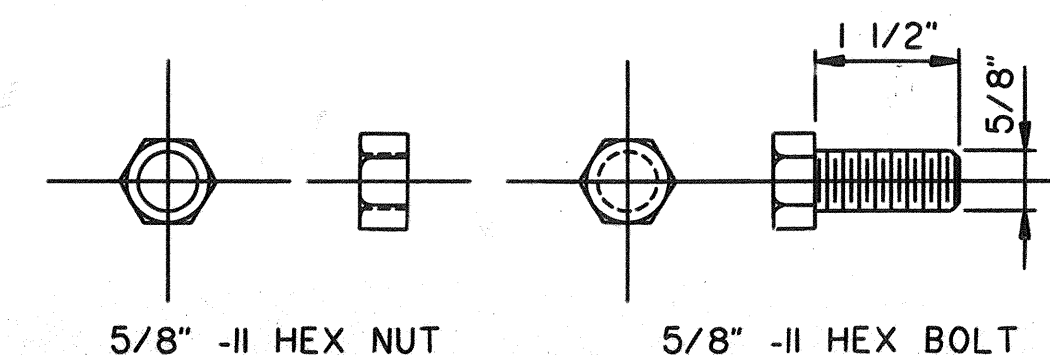
SCALE : 1" = 1'-0"



SCALE : 6" = 1'-0"



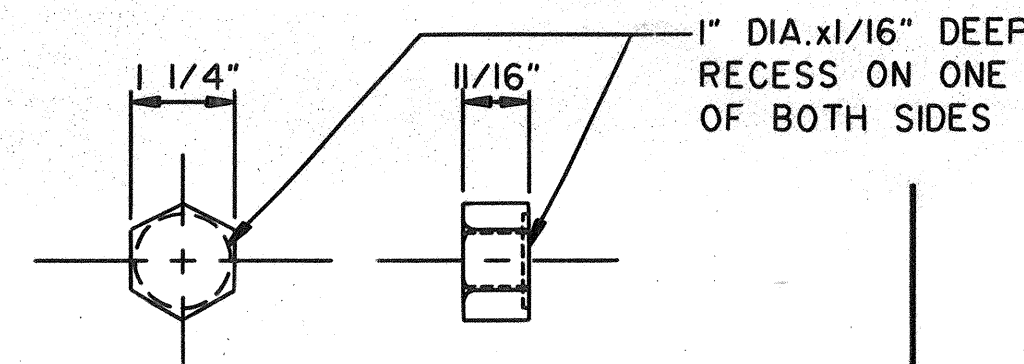
SCALE : 6" = 1'-0"



5/8" -11 HEX NUT

5/8" -11 HEX BOLT

SCALE : 6" = 1'-0"



—1" DIA.x1/16" DEEP
RECESS ON ONE
OF BOTH SIDES

L	THREAD WIDTH
1 1/4"	FULL THREAD
2"	1 1/2" MIN. THREAD LENGTH

DATE	REVISION
------	----------

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GUARDRAIL TYPE 3 THRIE
BEAM APPURTENANCES AND
POST SPACING DETAILS
SAND ISLAND BASCULE BRIDGE
REHABILITATION PHASE II
PROJECT NO. BR-064-((3)

SCALE: AS NOTED DATE: AUG. 15, 1991

SHEET No. C4 OF C4 SHEETS