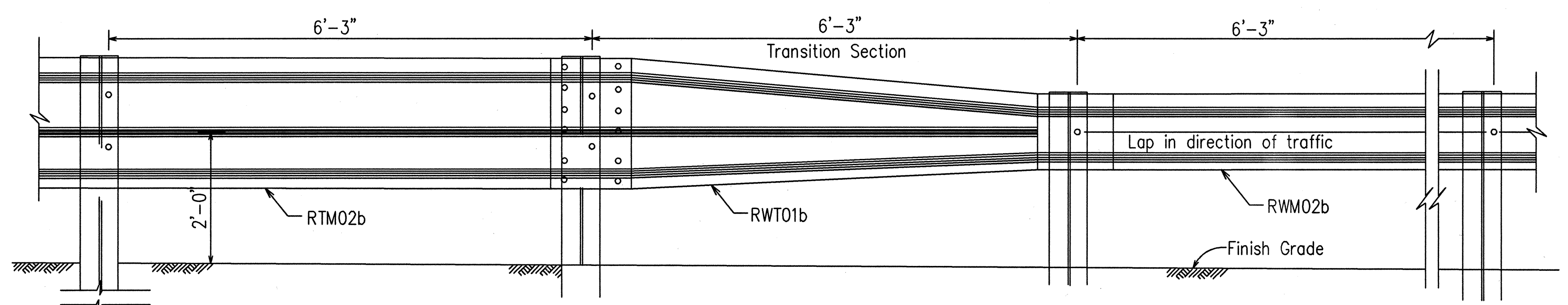
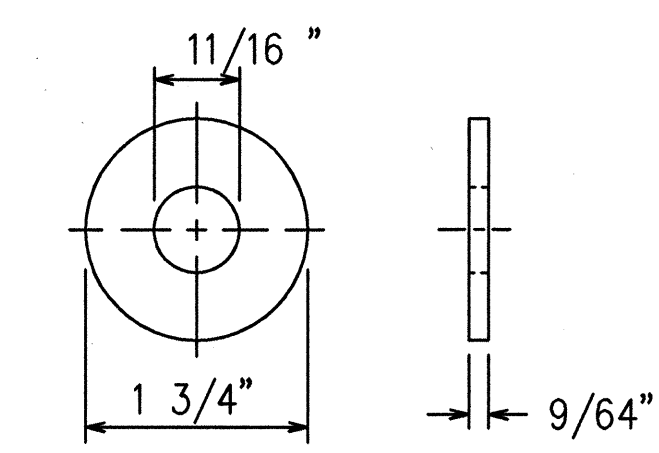


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(38)	2002	21	73

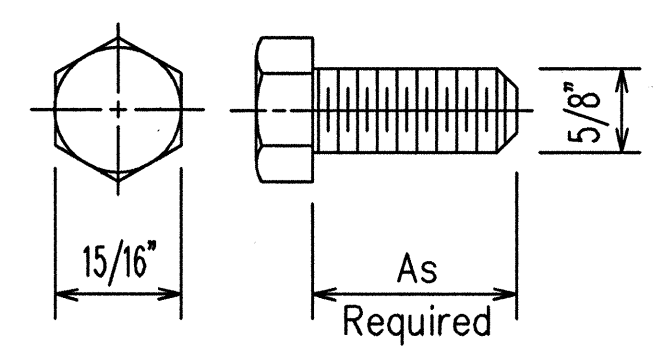


TRANSITION SECTION *

* Post spacing not to be used for Thrie Beam connection to structures.

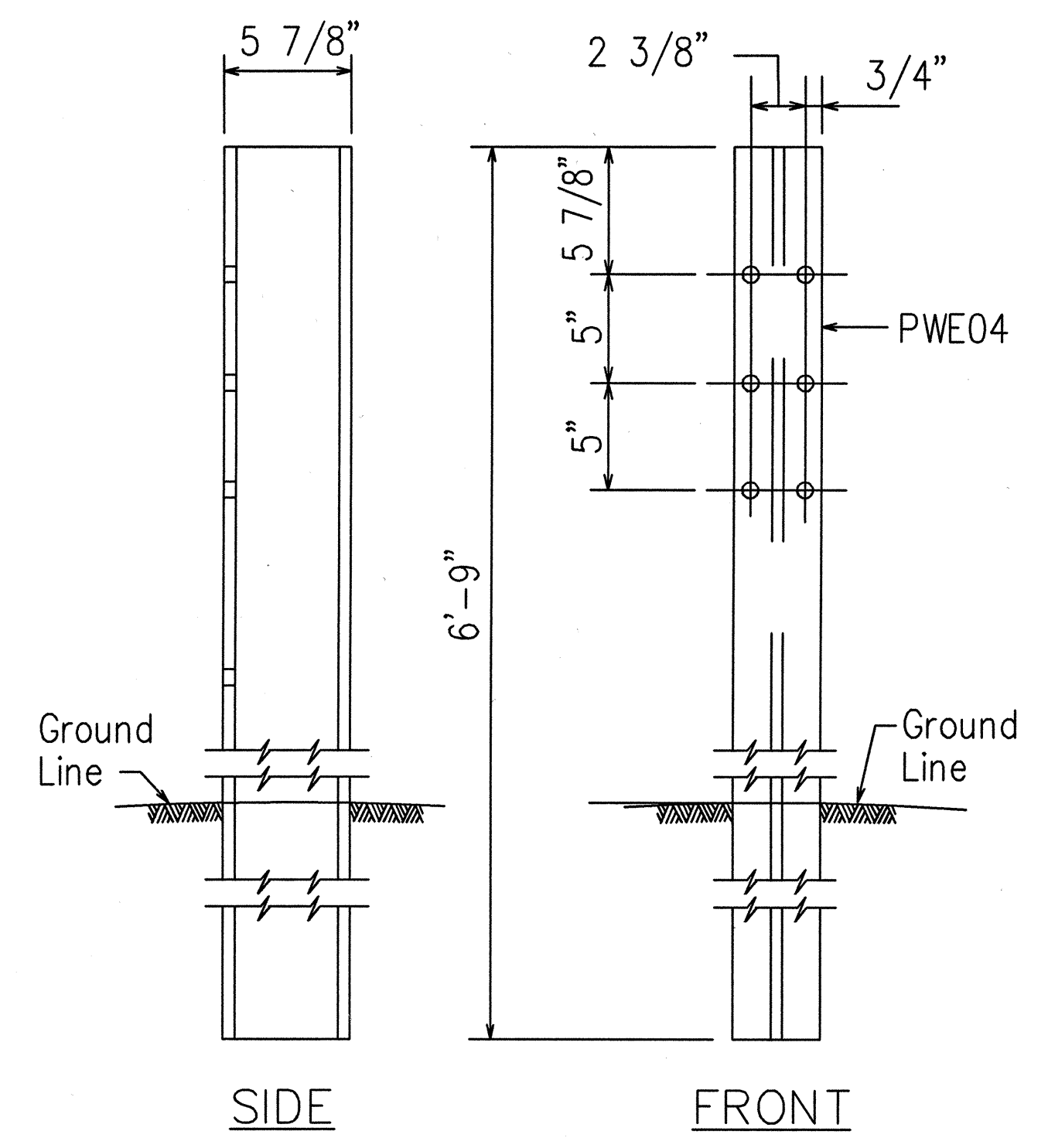
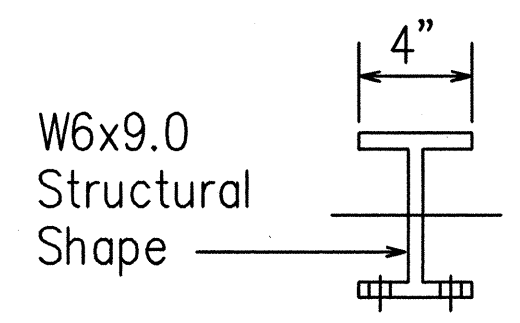


STEEL WASHER FOR 5/8 " BOLT

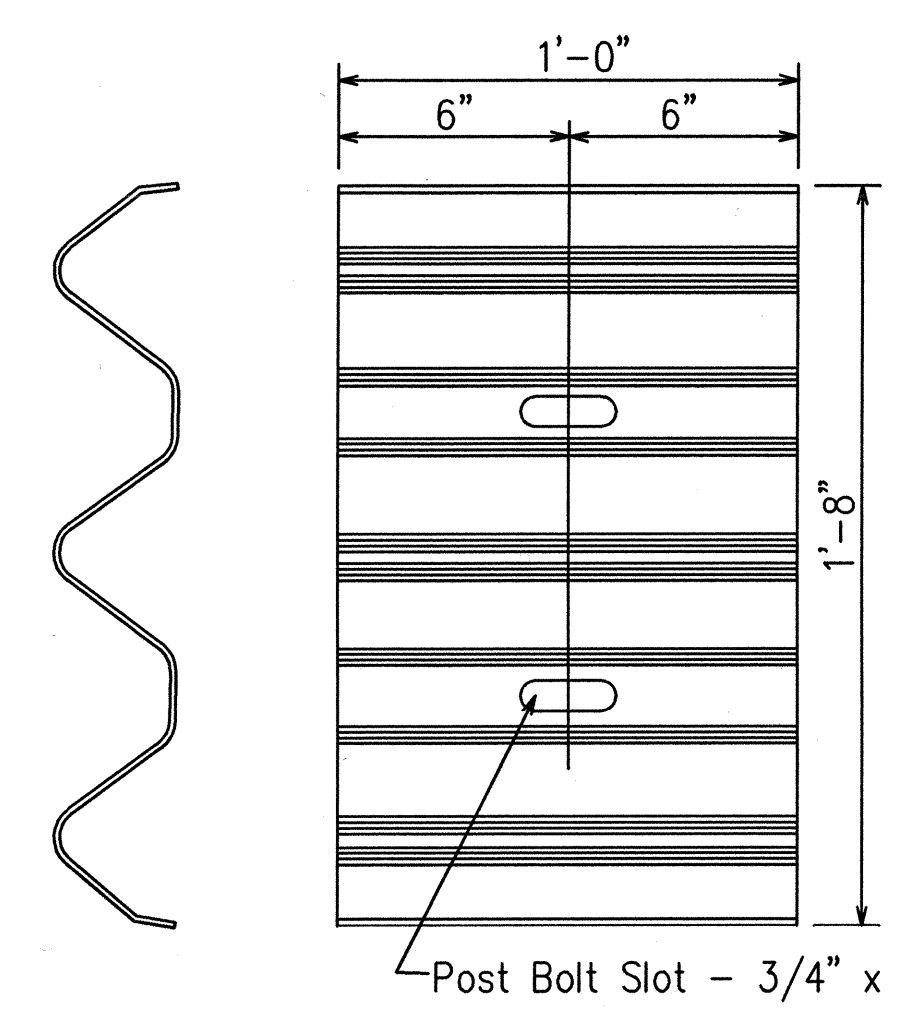


HEX BOLT & NUT (FBX16a)

NOTE: All Holes are 3/4" Dia.

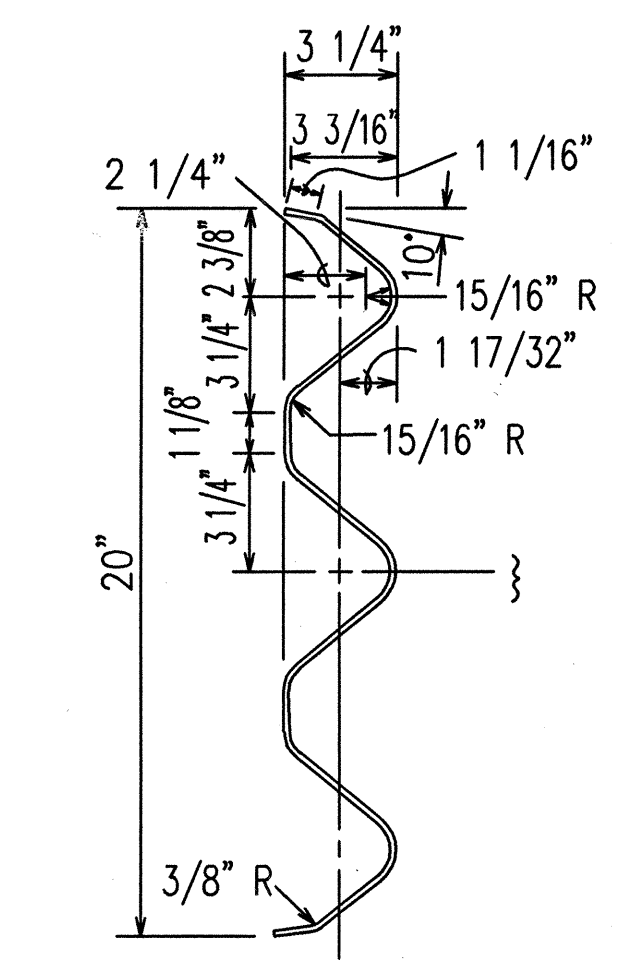


W-BEAM STRONG POST (PWE04)

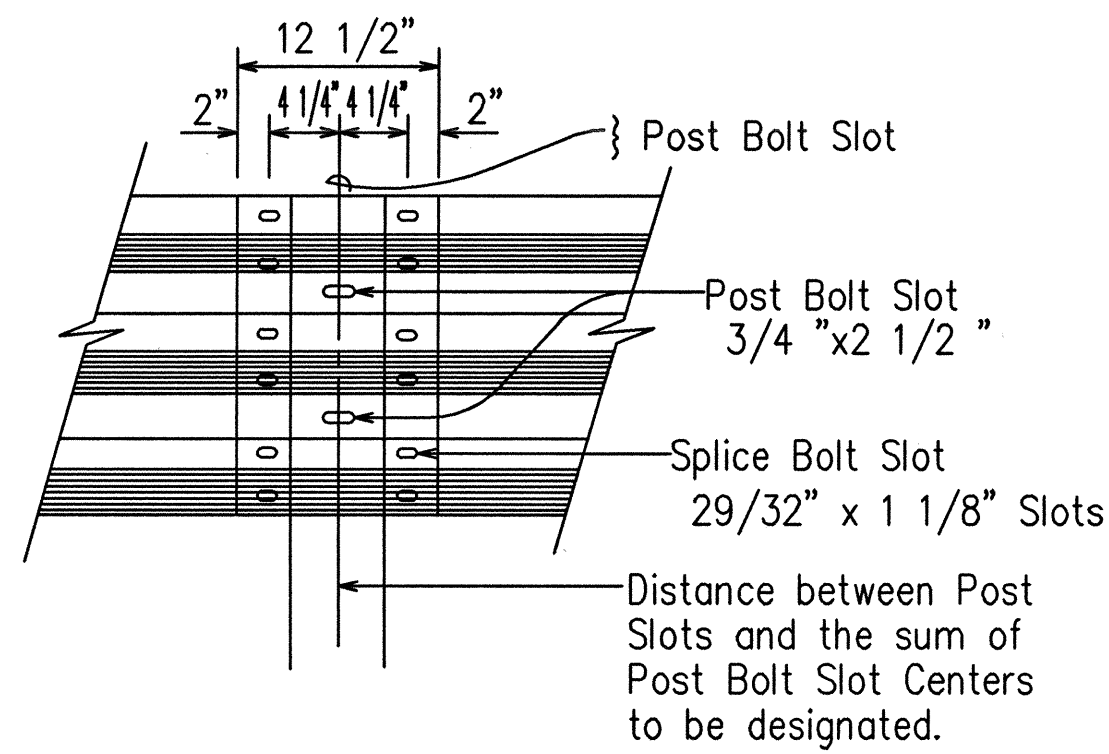


BACKUP PLATE (RTB01b)

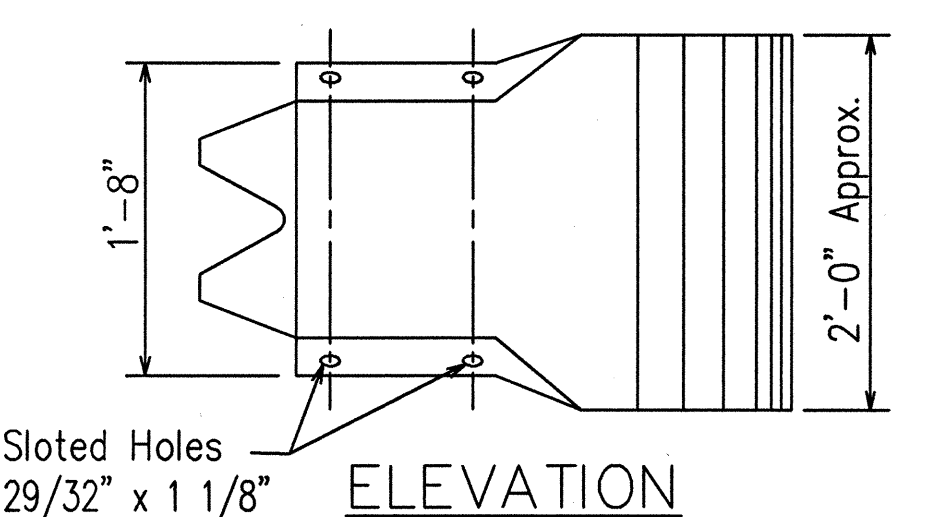
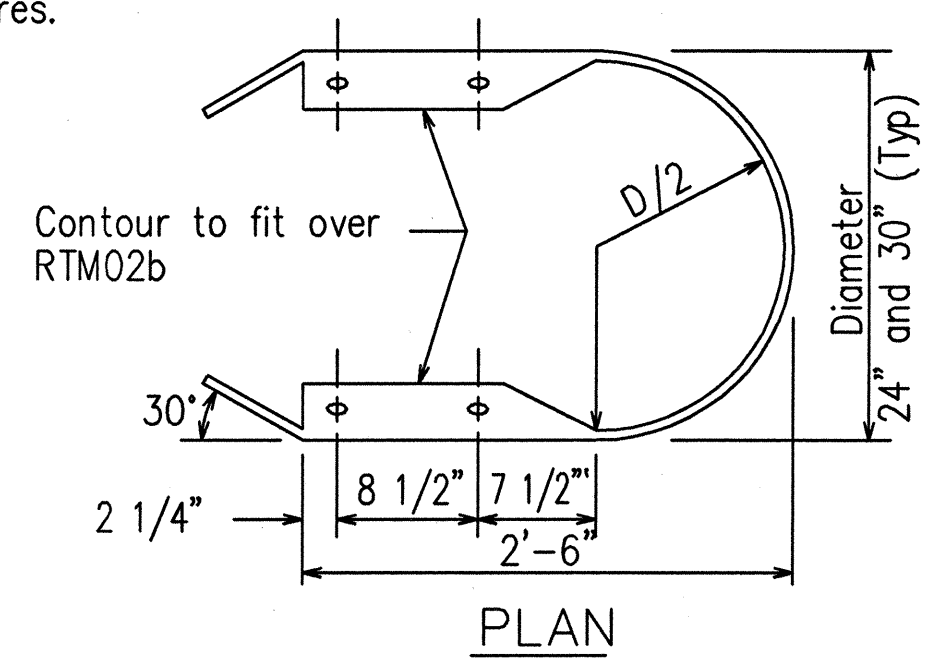
(Use at Posts where Splices do not occur)



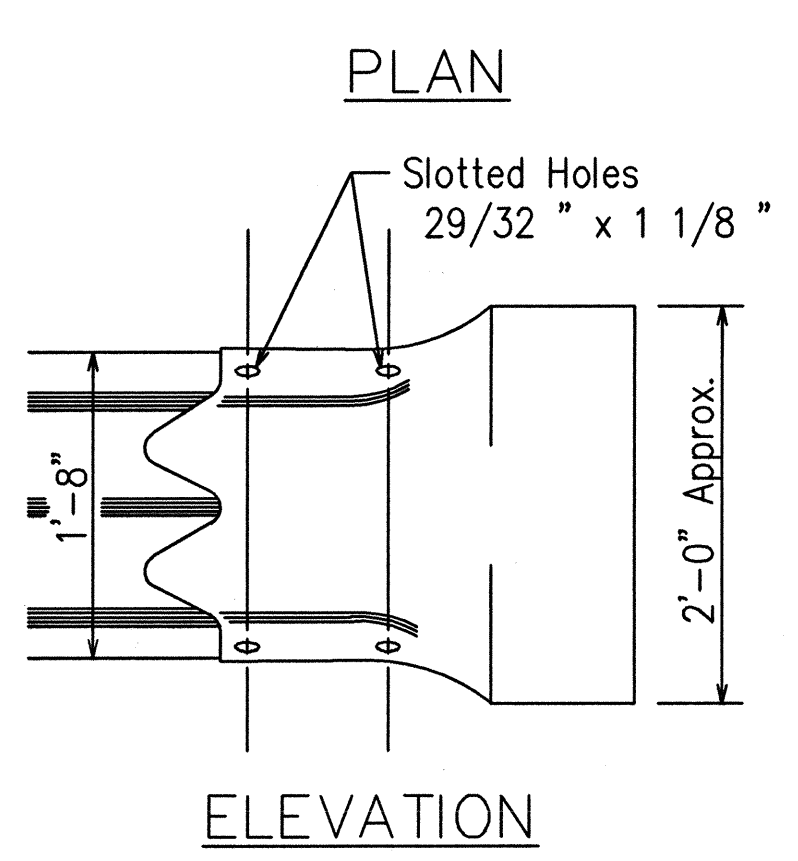
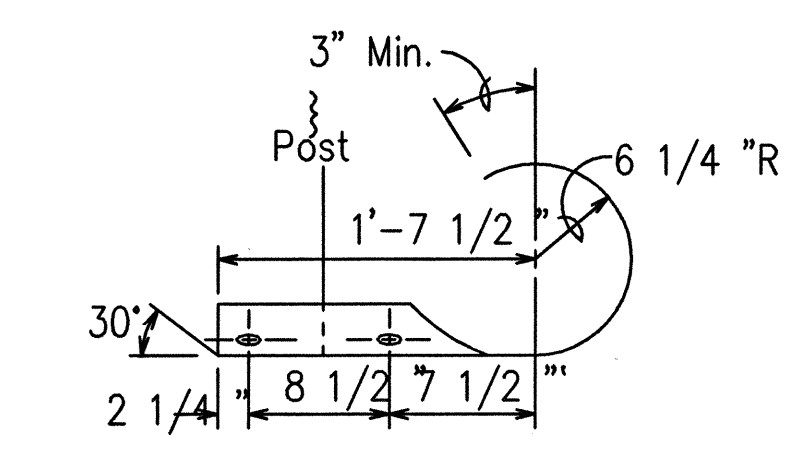
SECTION THRU RAIL ELEMENT (RTM02b)



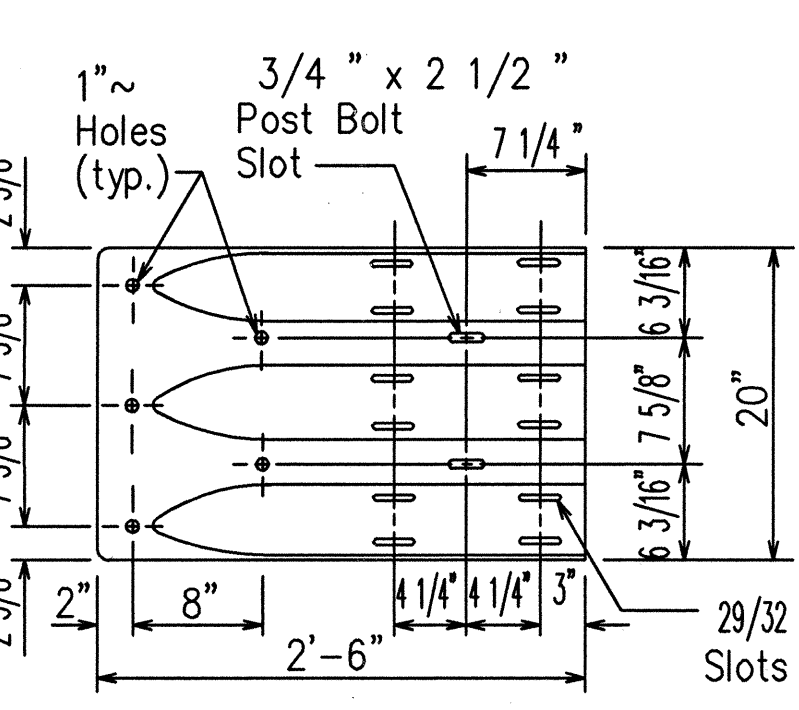
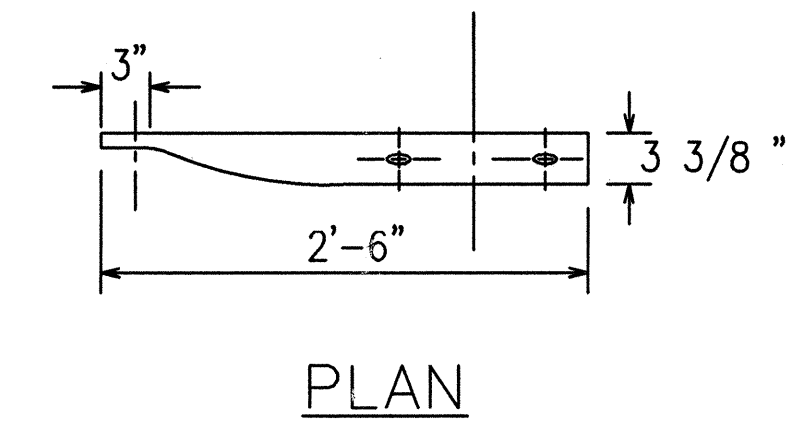
RAIL SPLICE



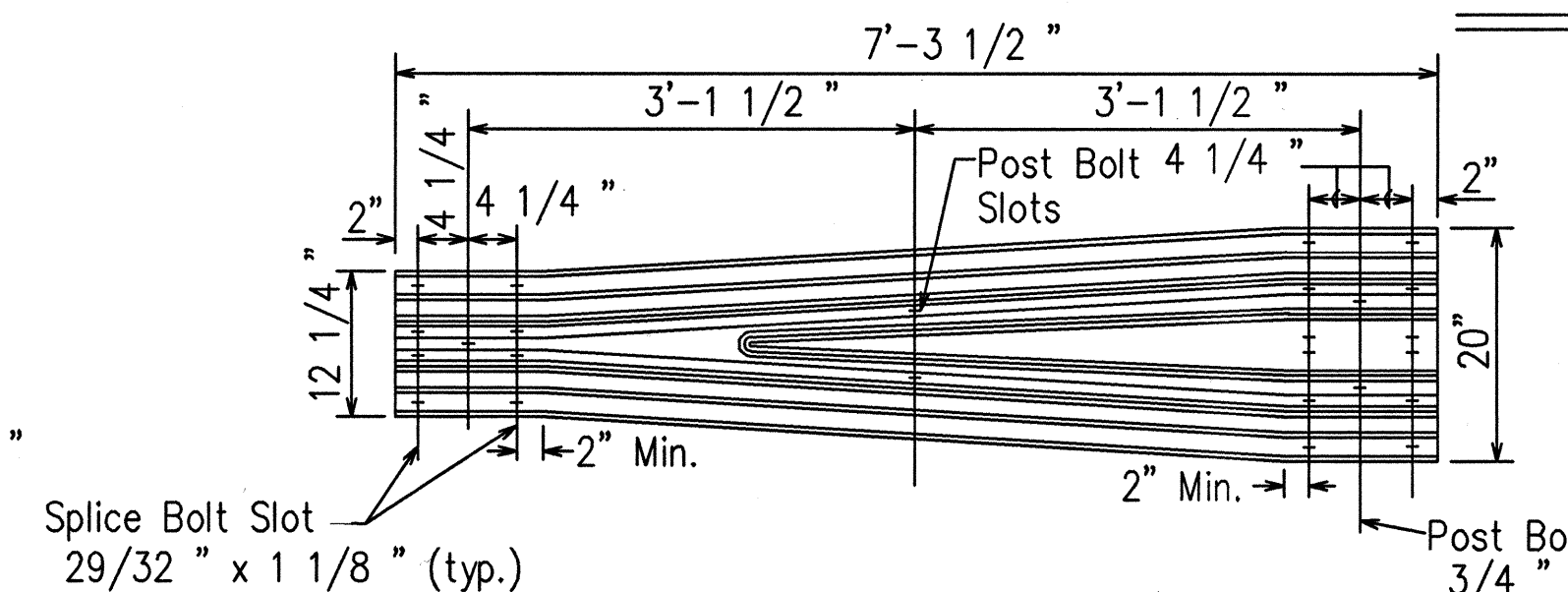
END SECTION (BUFFER RTE03b or RTE04b)



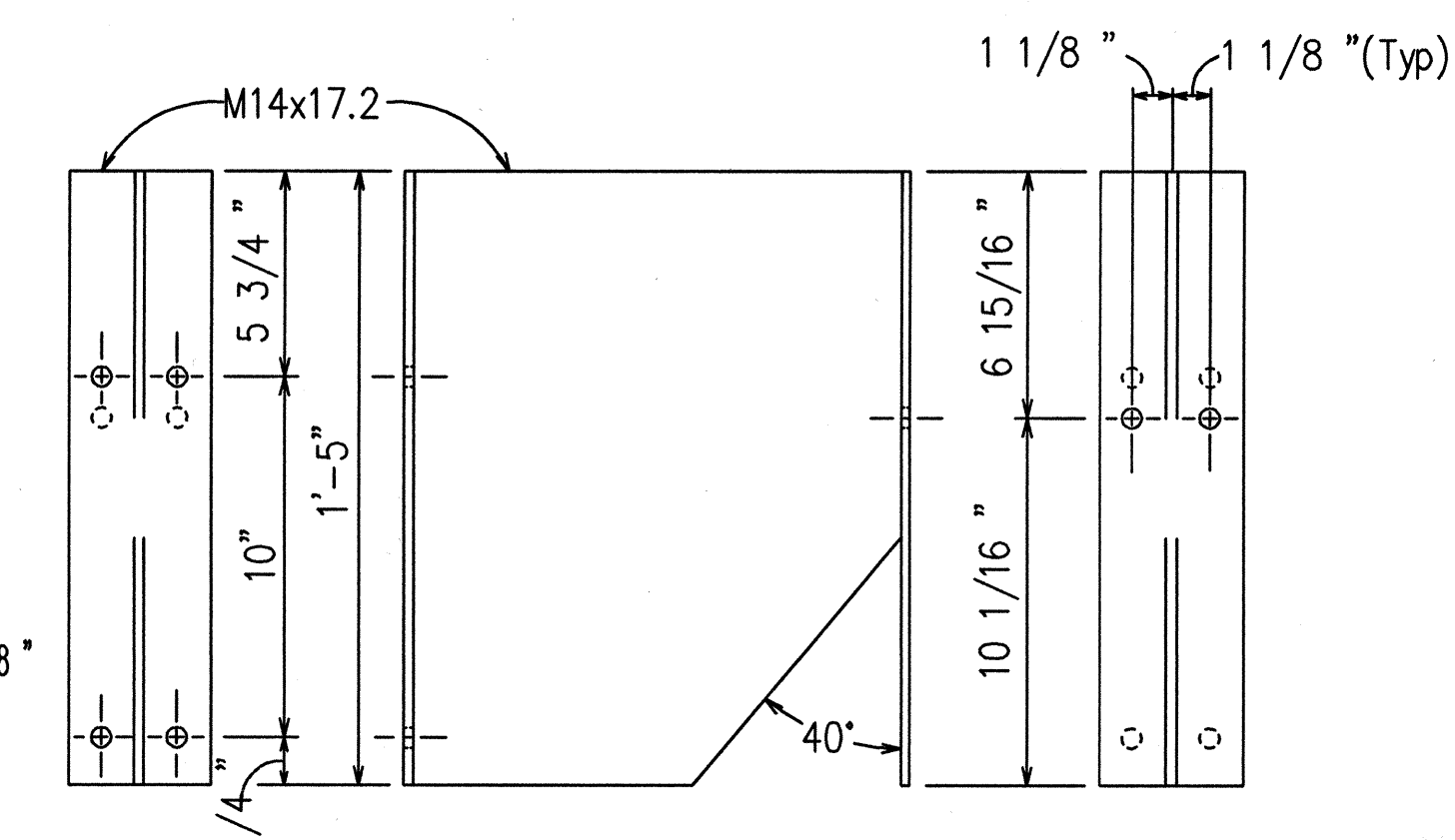
SECTION (ROUNDED) (RTE02b)



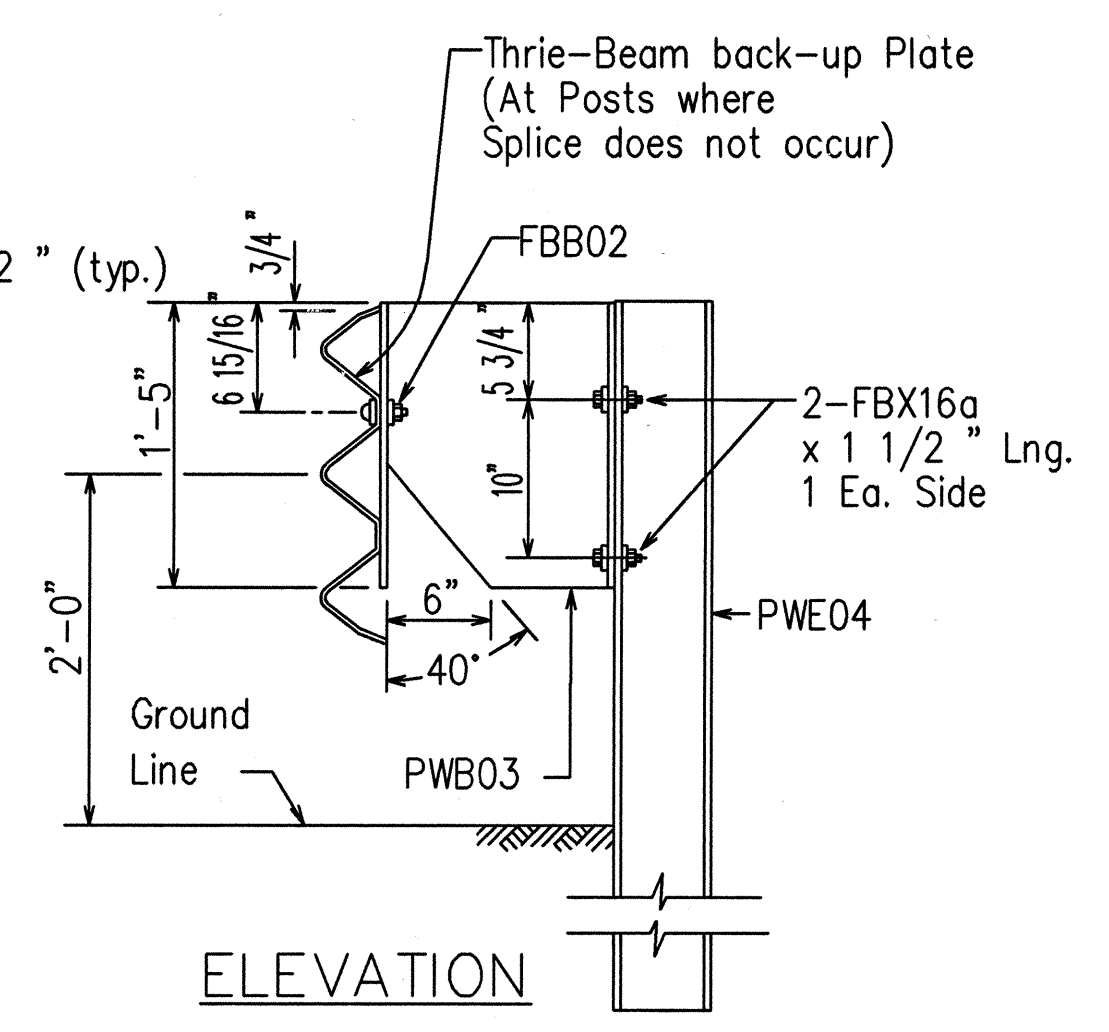
TERMINAL CONNECTOR (RTE01b)



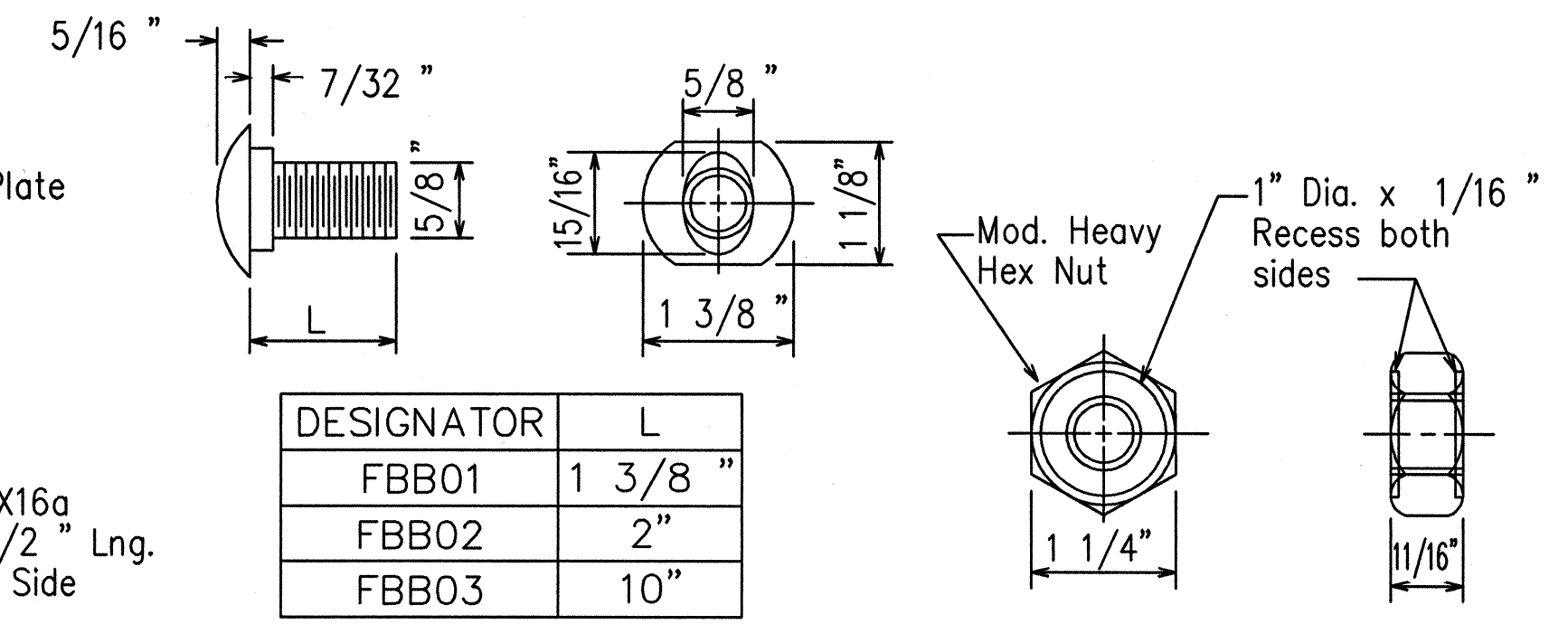
TRANSITION SECTION (RWT01b)



SPACER BLOCK PWB03



STRONG POST MODIFIED THRIE-BEAM GUARDRAIL (SGR09b)



DESIGNATOR	L
FBB01	1 3/8 "
FBB02	2"
FBB03	10"

GUARDRAIL BOLTS AND RECESSED NUT

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
STRONG POST MODIFIED
THRIE-BEAM GUARDRAIL
HAWAII BELT ROAD
KUPAPAULUA BRIDGE WIDENING
HAMAKUA DISTRICT
Federal-Aid Project No. BR-019-2(38)

Scale: As Noted
Date: Oct 2001
SHEET No. C-19 OF 41 SHEETS

ORIGINAL PLAN	DATE
DRAWN BY	
TRACED BY	
NOTE BOOK	
DESIGNED BY	
CHECKED BY	
No.	