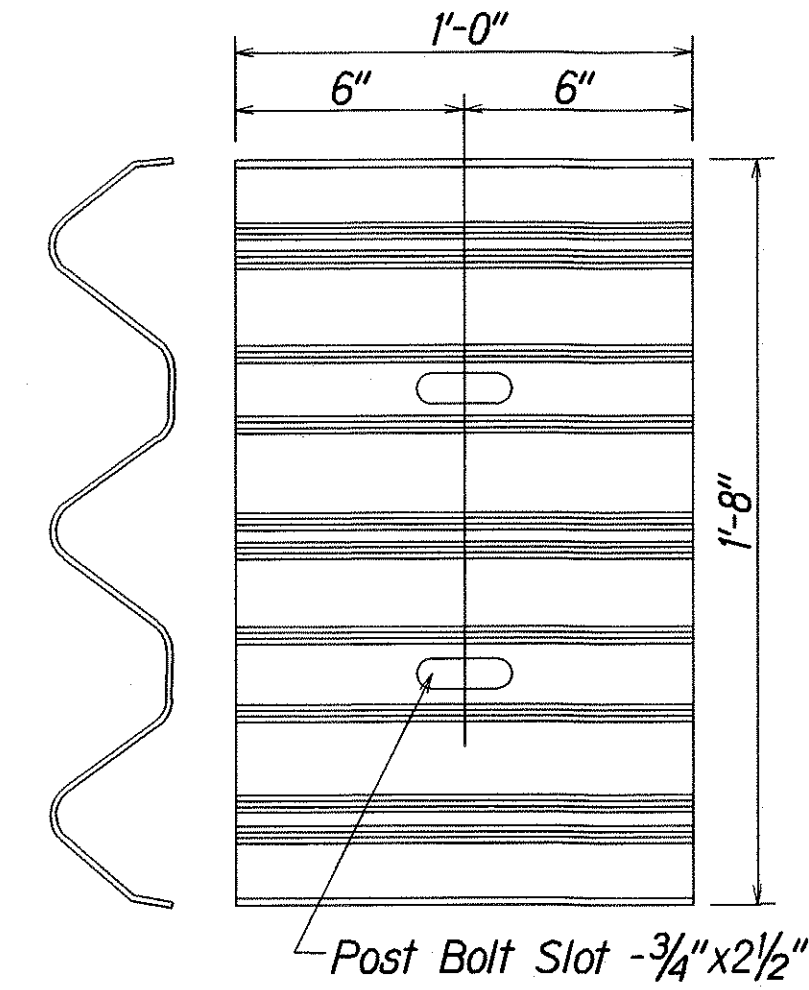
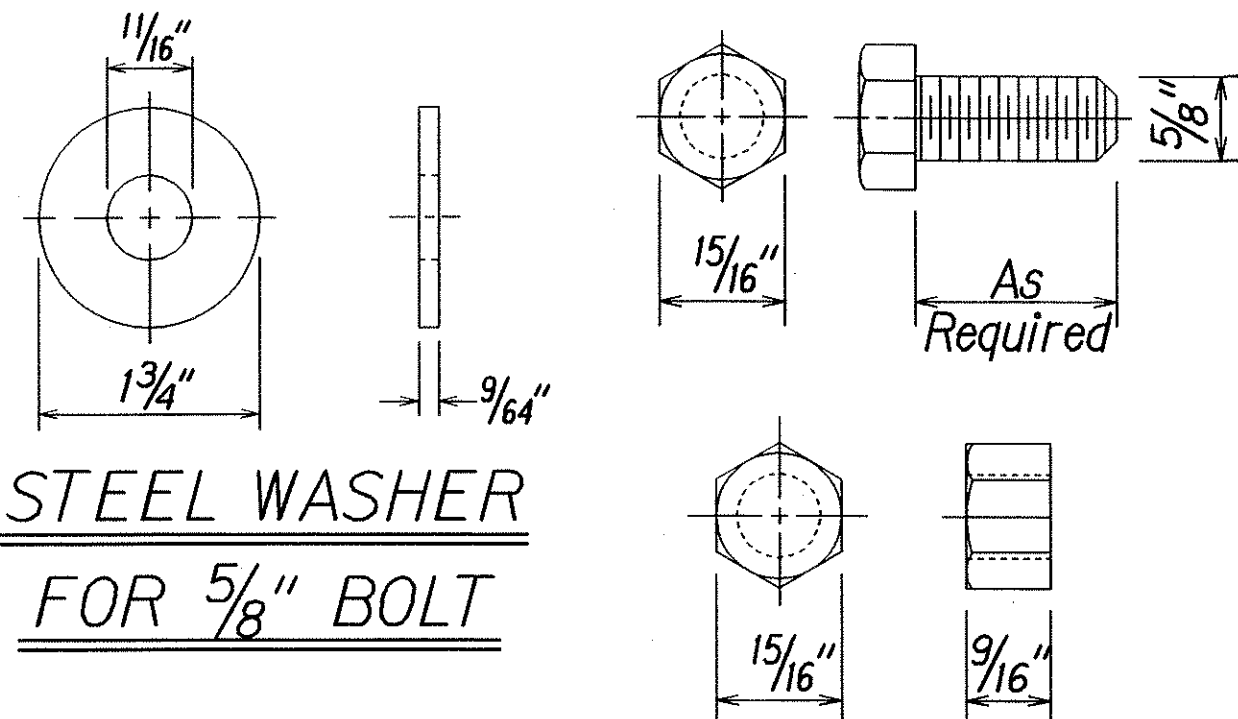
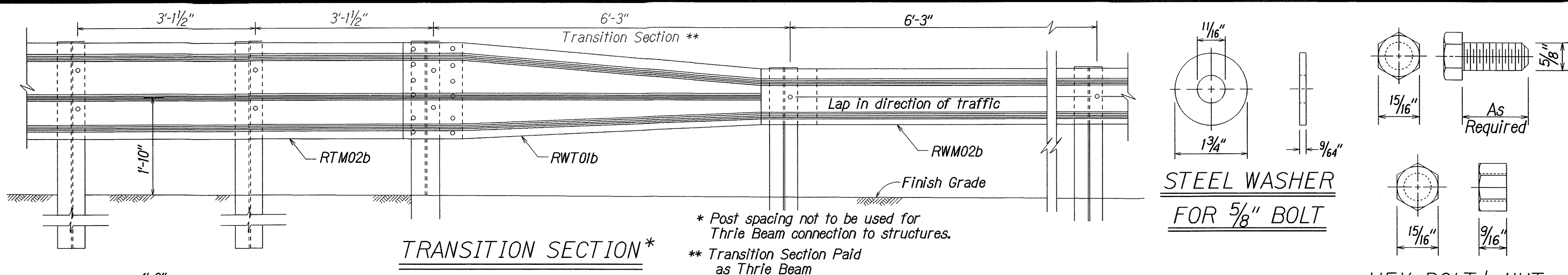
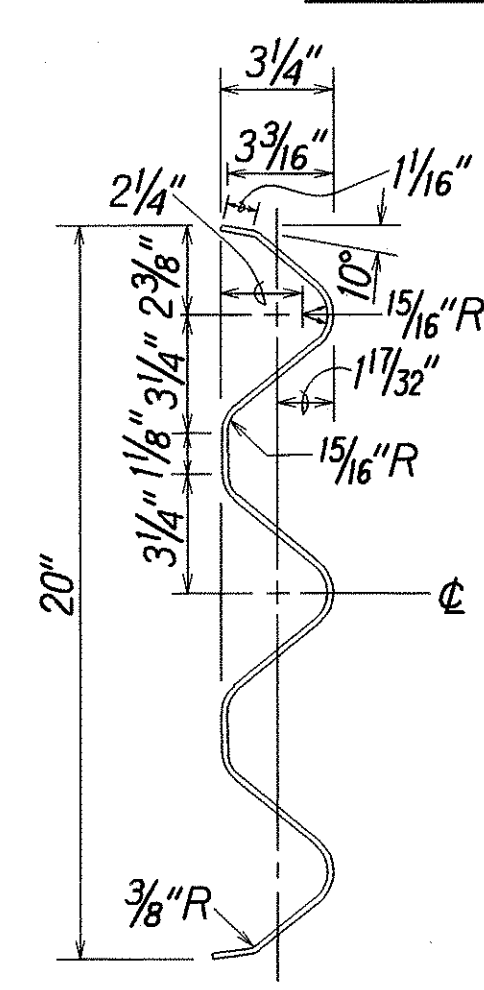


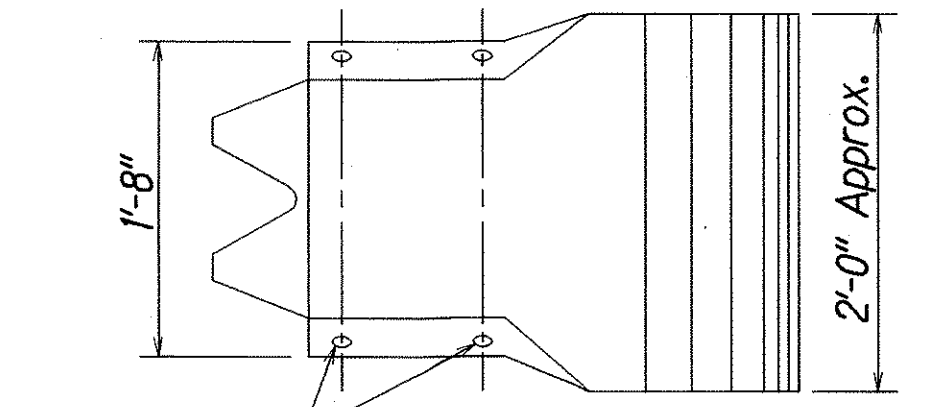
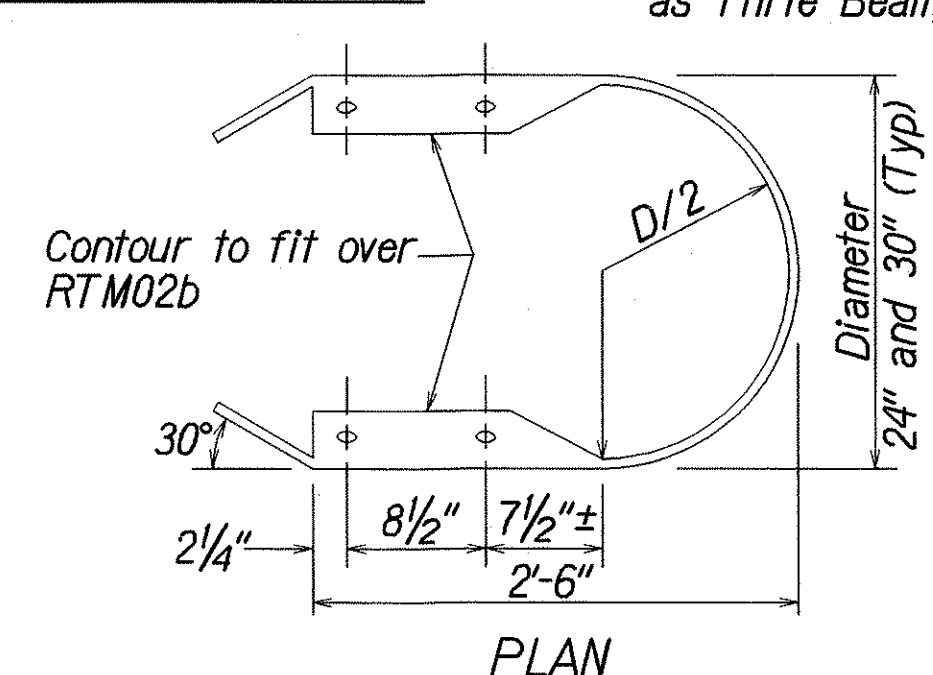
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-050-1(25)	2003	23	30



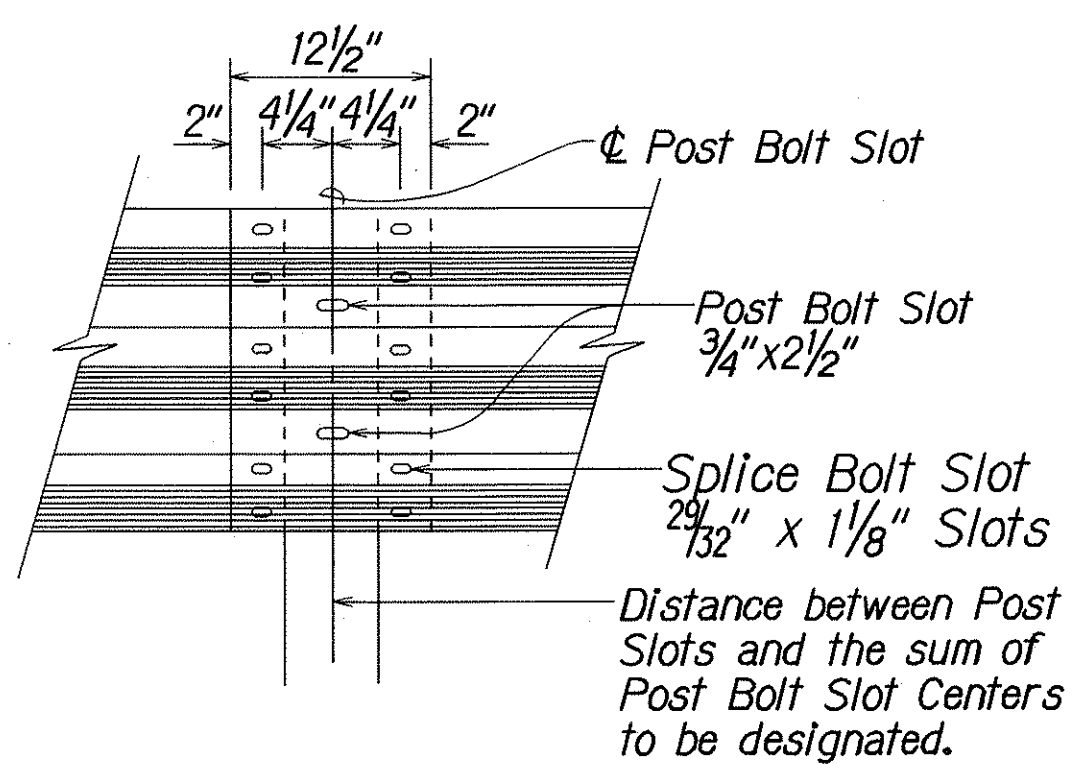
BACKUP PLATE
(RTB01b)
(Use at Posts where
Splices do not occur)



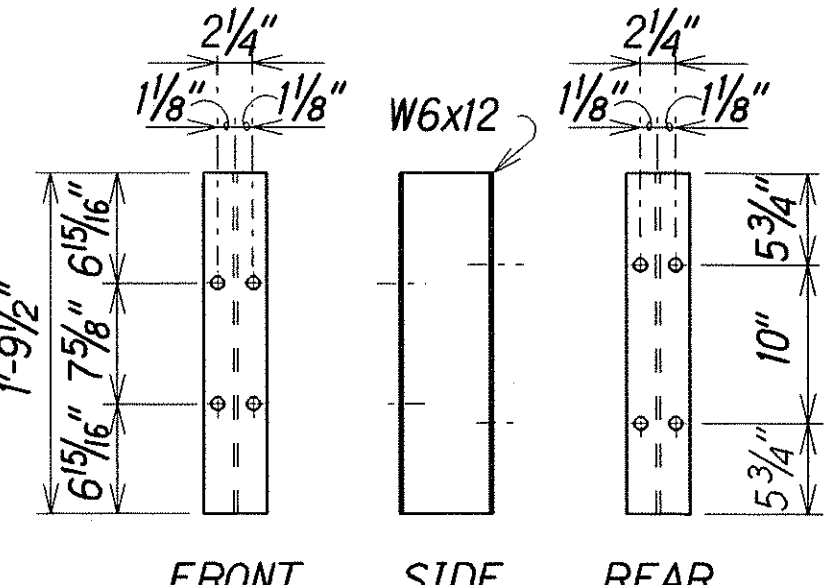
**SECTION THRU
RAIL ELEMENT**
(RTM02b)



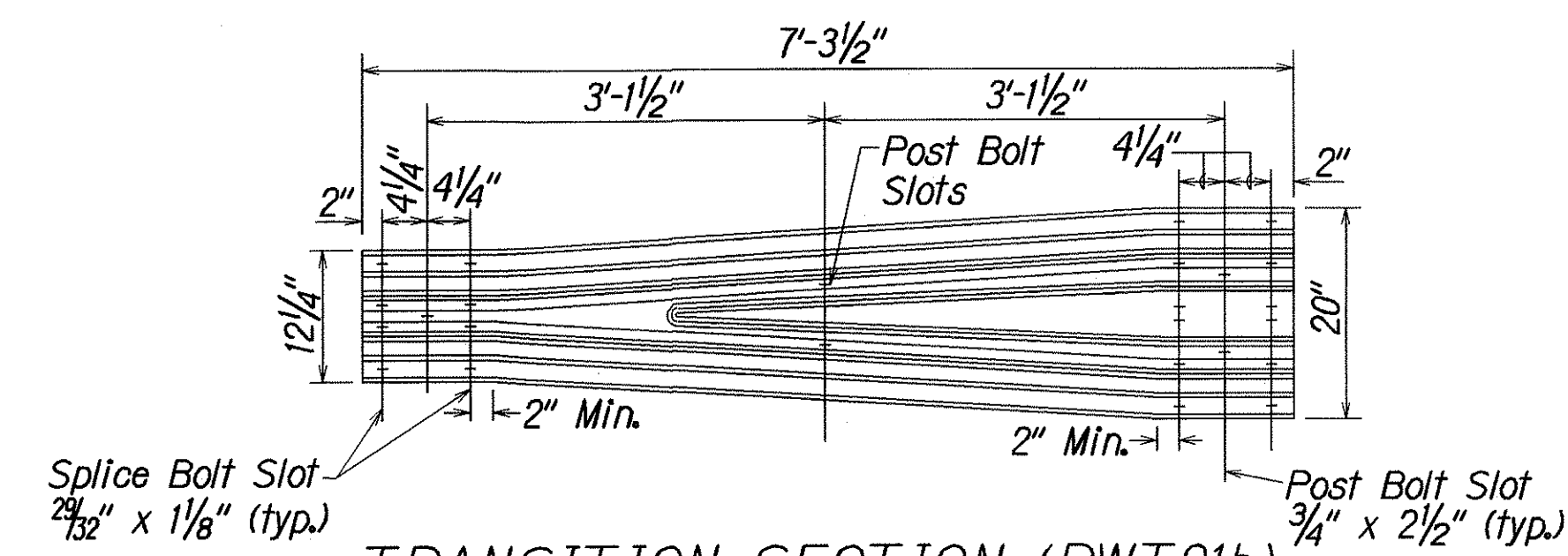
**END SECTION (BUFFER RTE03b
or RTE04b)**



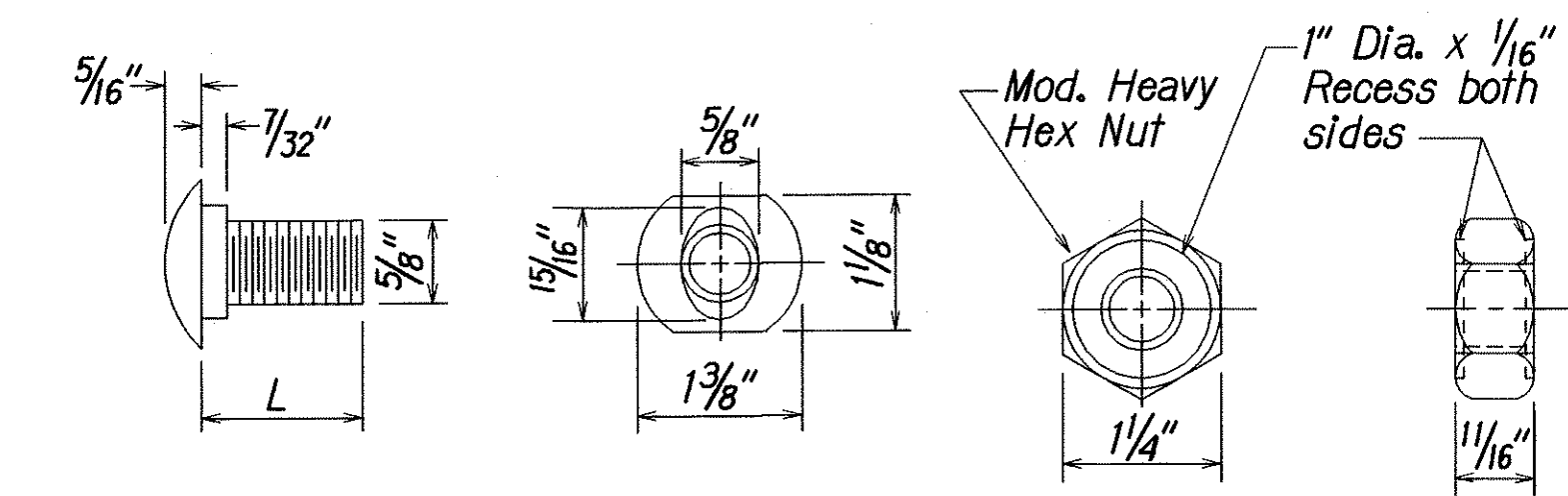
RAIL SPLICE



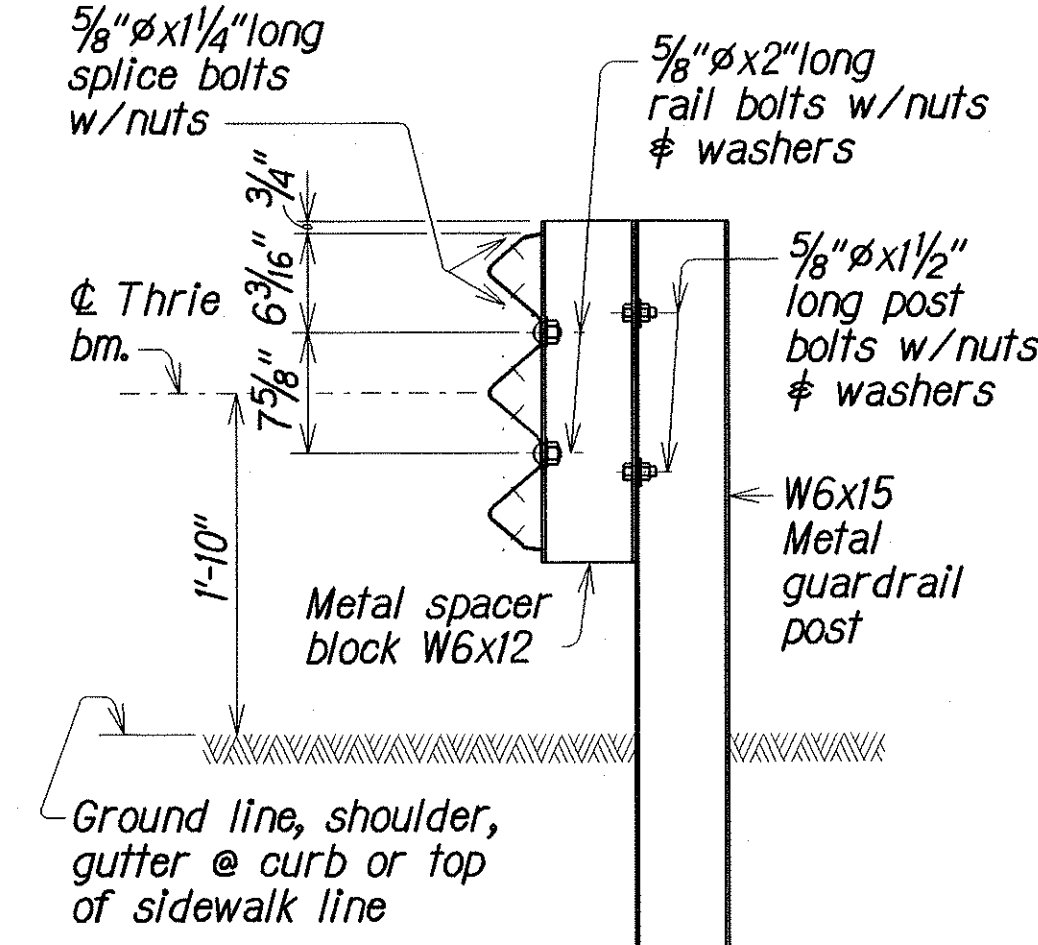
SPACER BLOCK DETAILS
Scale: 1" = 1'-0"



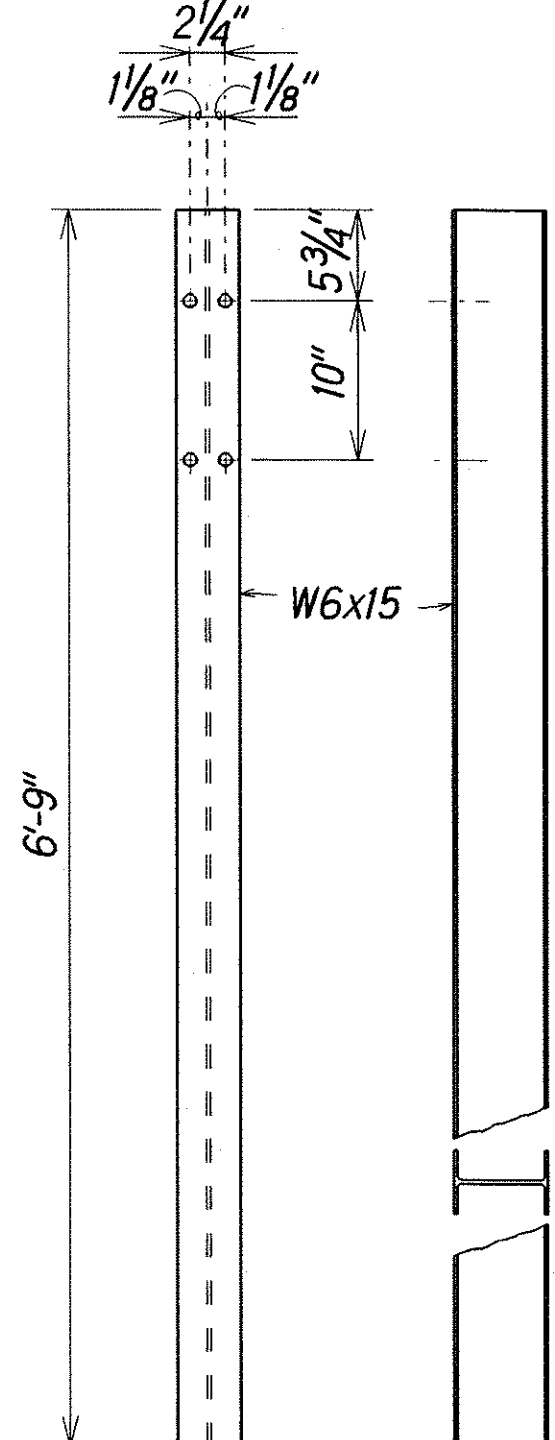
TRANSITION SECTION (RWT01b)



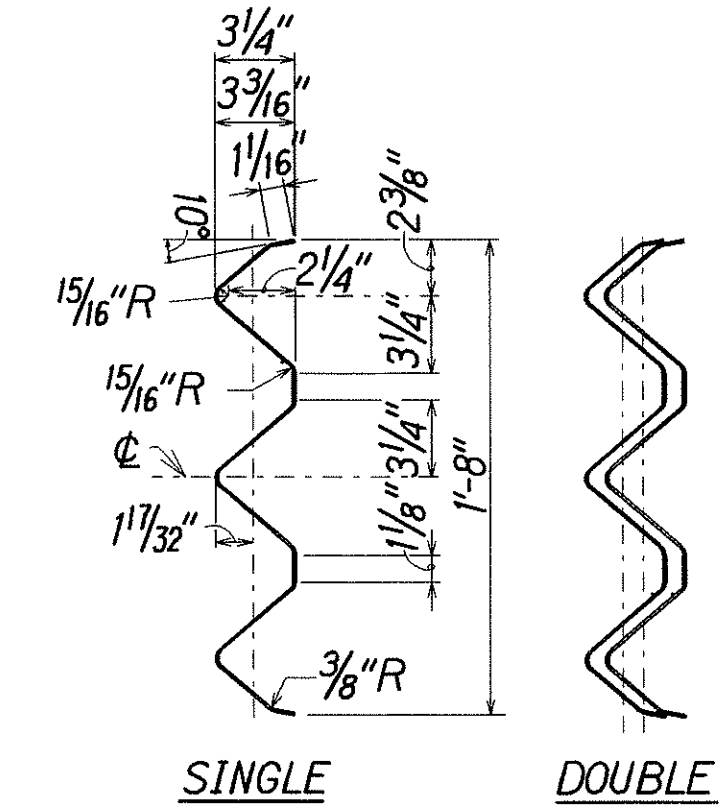
GUARDRAIL BOLTS AND RECESSED NUT



**TYPICAL SECTION
METAL GUARDRAIL ON METAL POST
WITH METAL SPACER BLOCK**
Scale: 1" = 1'-0"



POST DETAILS
Scale: 1" = 1'-0"



**SECTION THRU
RAIL ELEMENT**
Scale: 1 1/2" = 1'-0"

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GUARDRAIL THRIE-BEAM
KAUMUALII HIGHWAY
Guardrail and Shoulder Improvements
Hanalei to Mana
Fed. Aid Project No. STP-050-1(25)
Scale: NTS
Date: July 2002

ORIGINAL PLAN	DATE
DESIGNED BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE

112-5-00 rtruby/guardrail/modtr/radgn (standard plan TE-57 rtr/r03/09 # TE-57a rtr/r03/09)