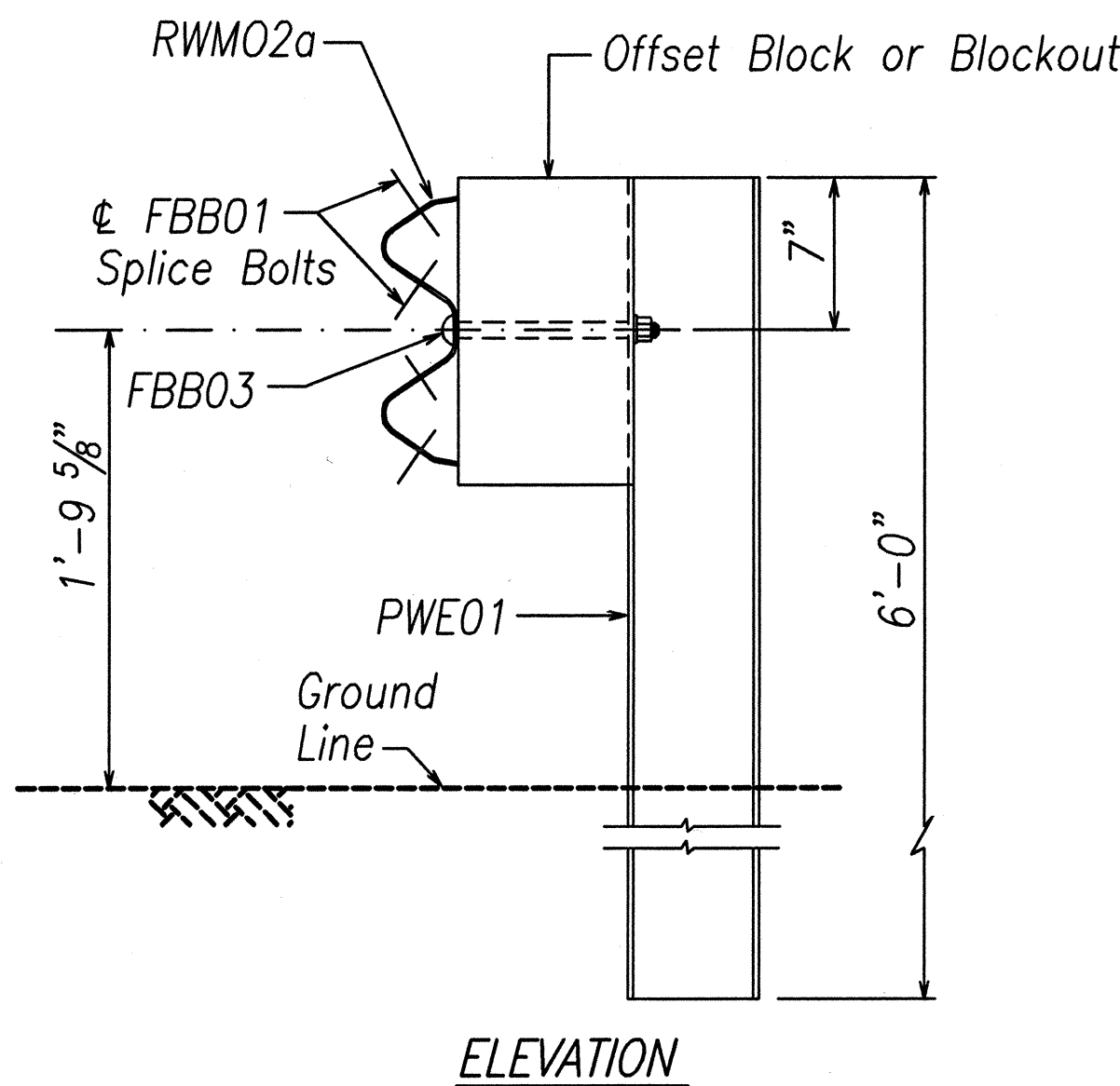
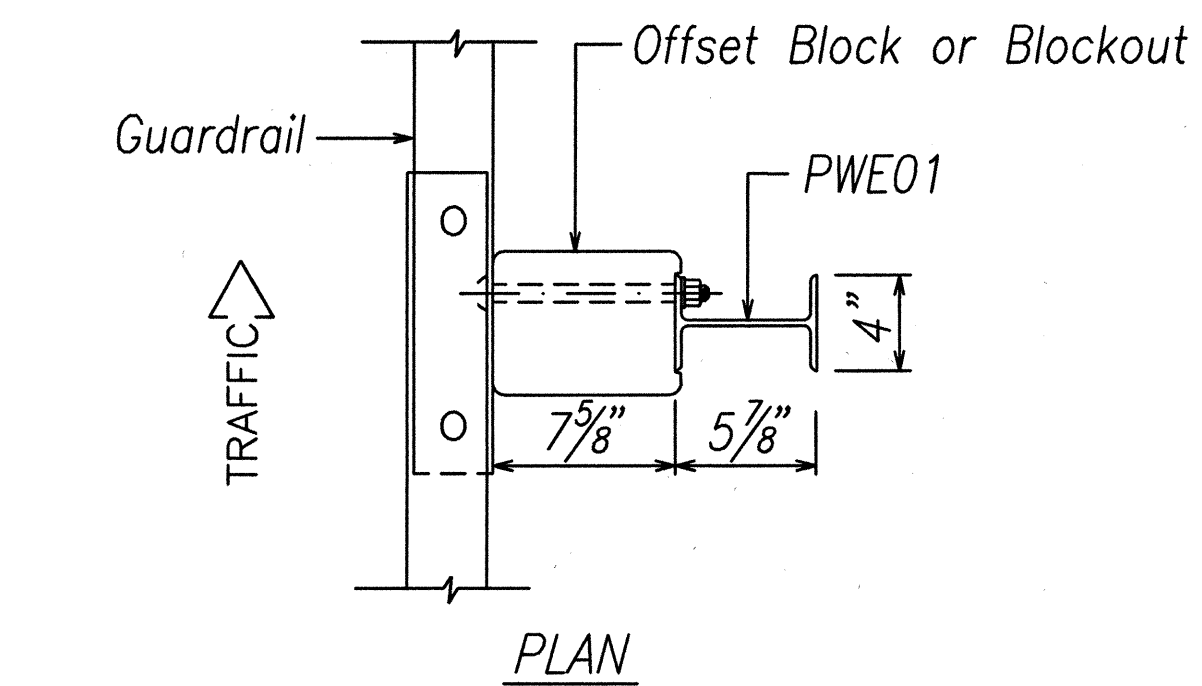
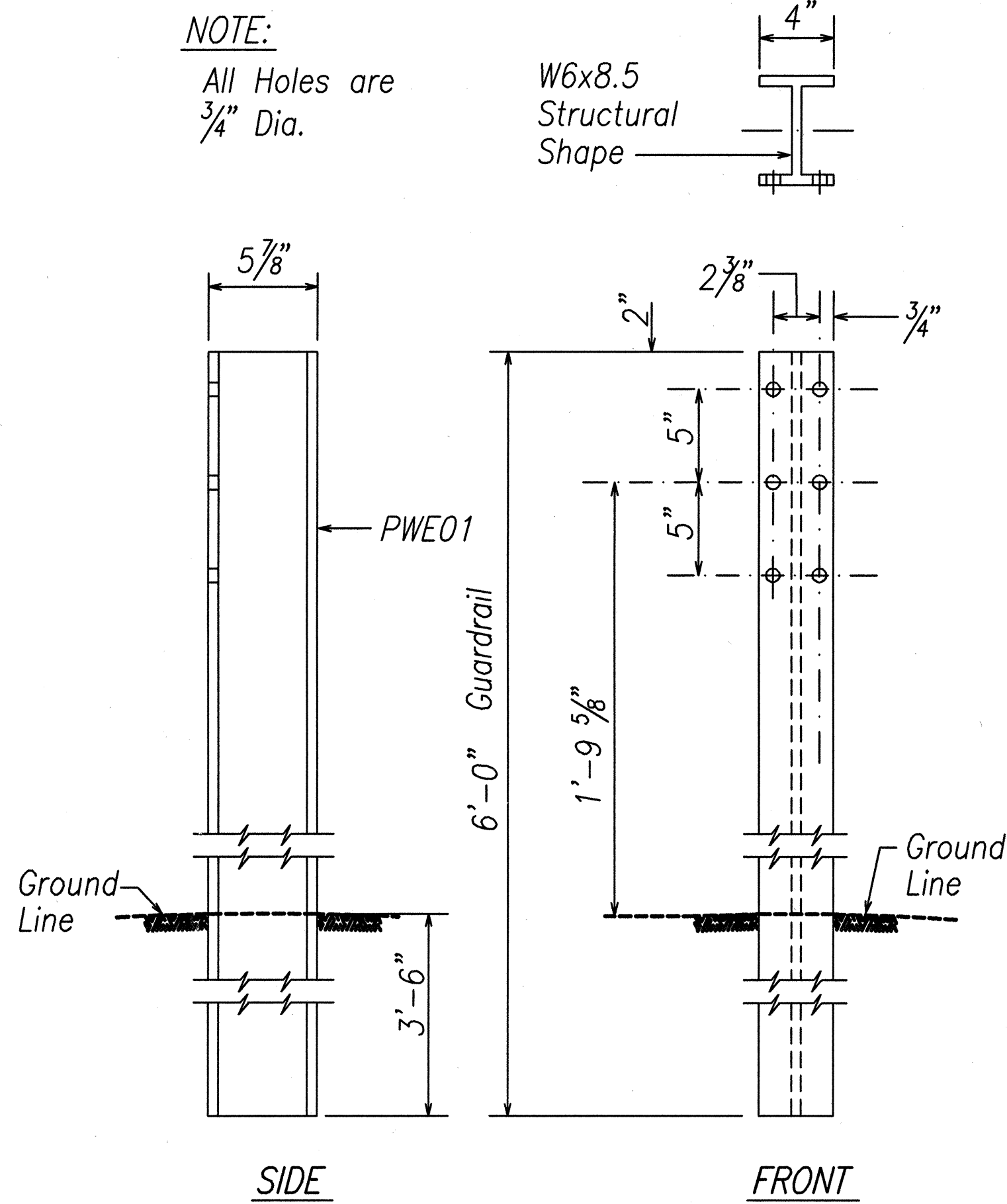


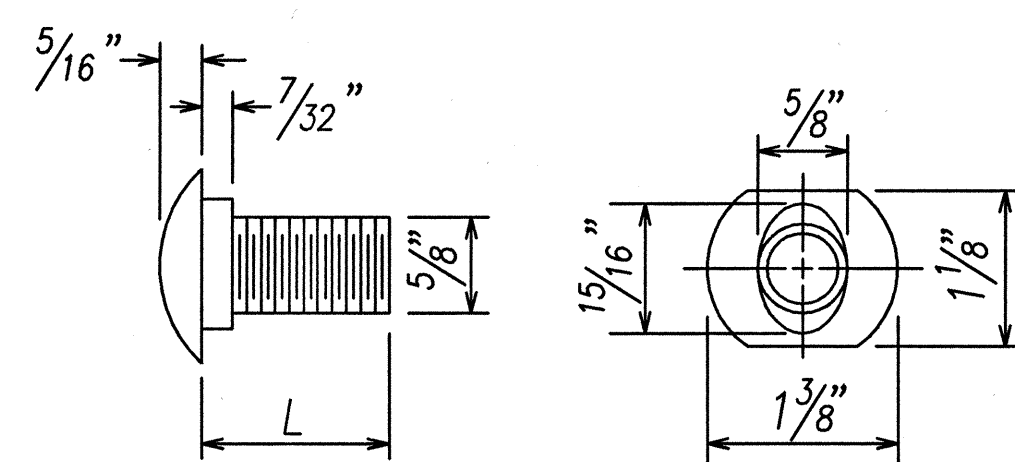
FED.ROAD DIST.NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(38)	2002	20	73



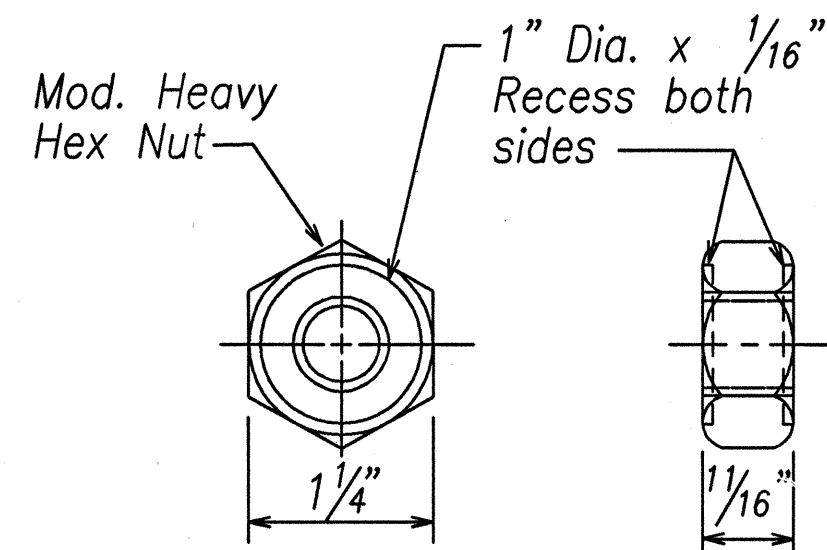
STRONG POST W-BEAM GUARDRAIL
(SGR04a)



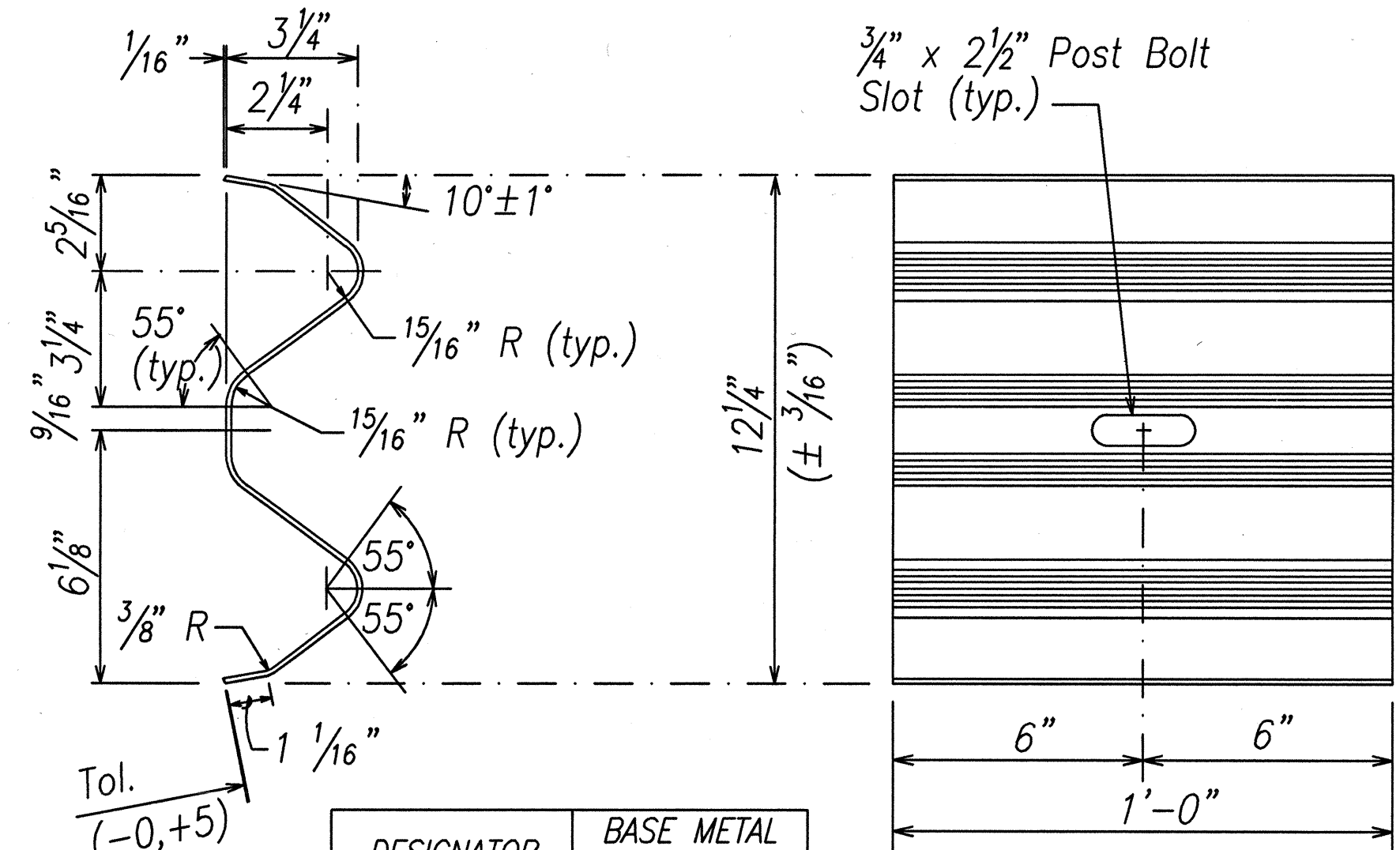
W-BEAM STRONG POST (PWE01)



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

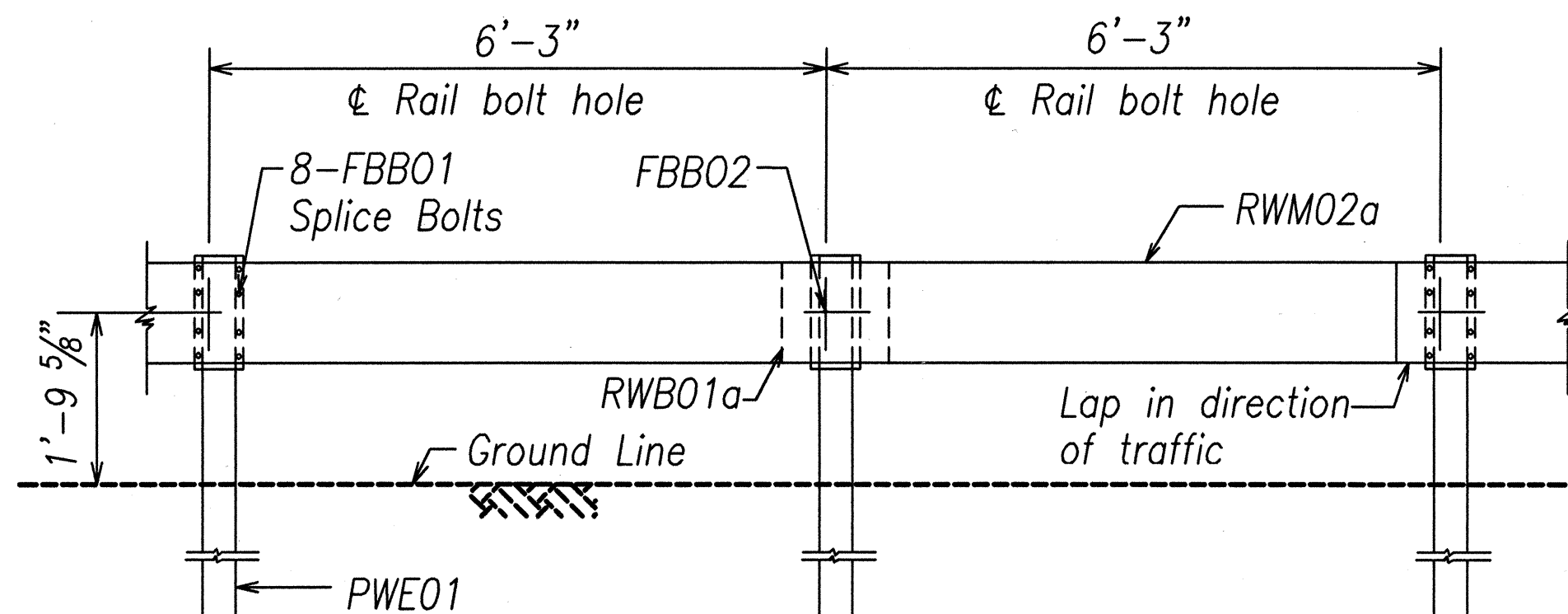


GUARDRAIL BOLTS AND
RECESSED NUT

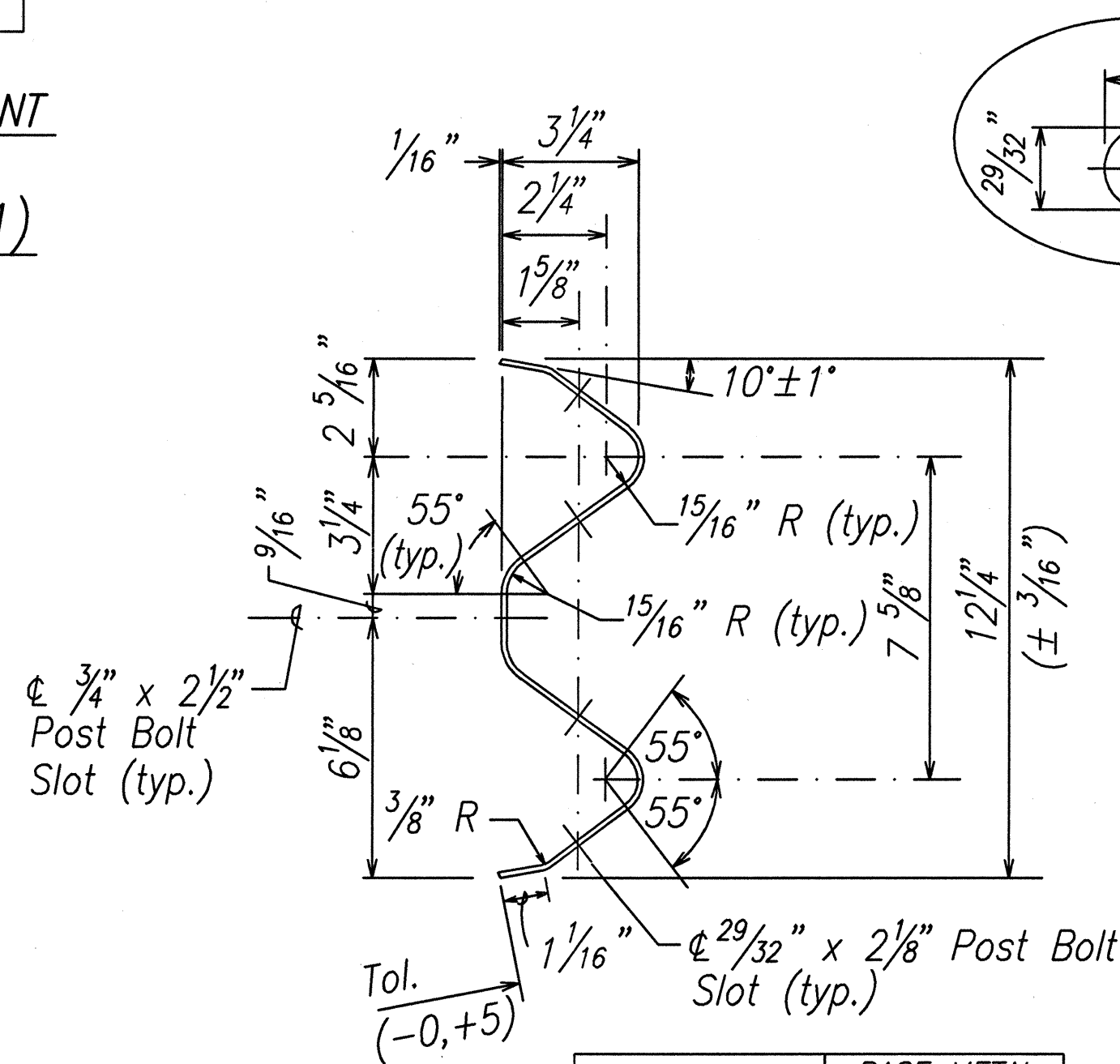


DESIGNATOR	BASE METAL THICKNESS
RWB01a	12 Ga.

W-BEAM BACK-UP-PLATE (RWB01a)

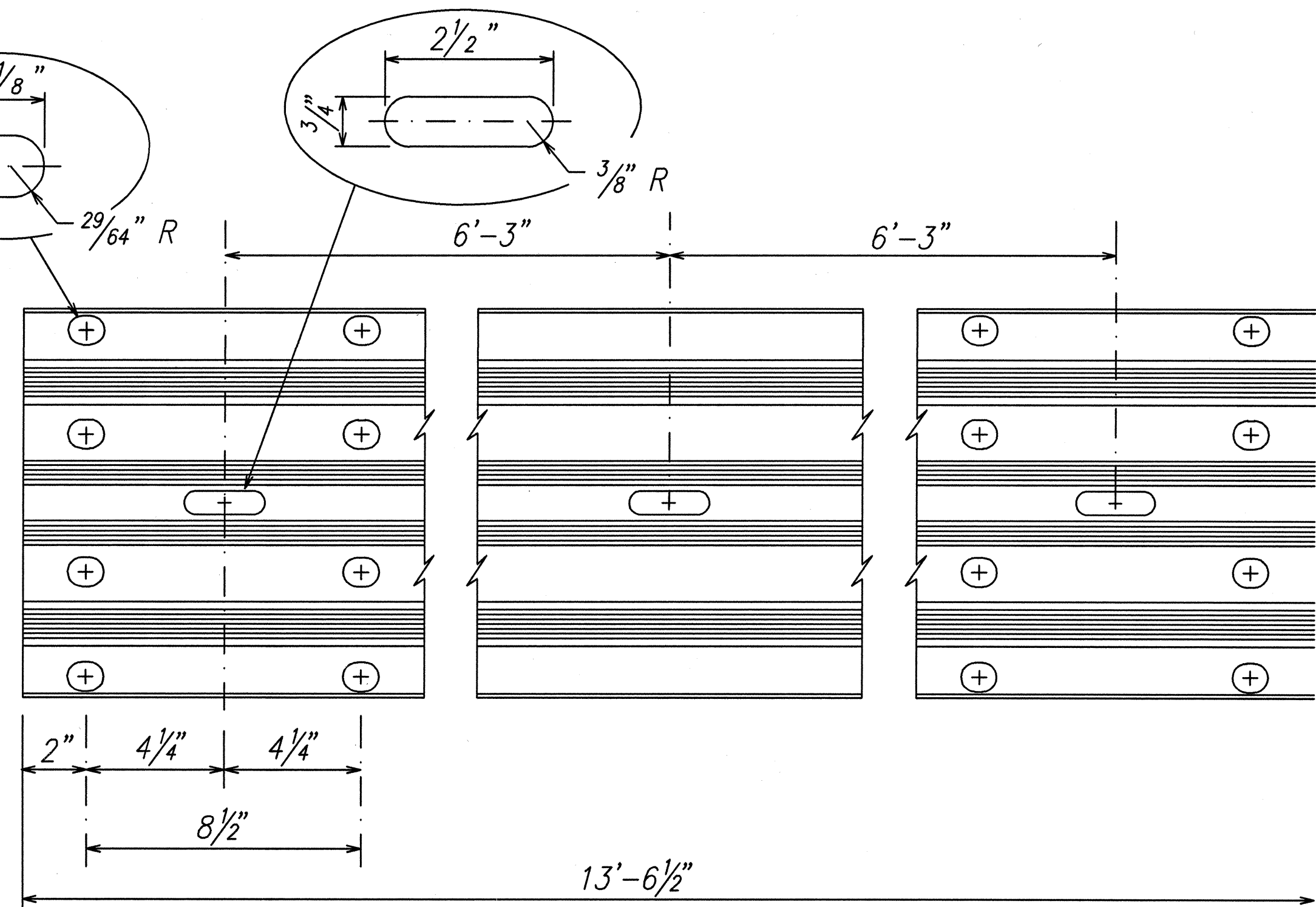


STRONG POST W-BEAM GUARDRAIL WITH
RECYCLED OFFSET BLOCK OR PLASTIC BLOCKOUT



DESIGNATOR	BASE METAL THICKNESS
RWM02a	12 Ga.

2 SPACE W-BEAM GUARDRAIL (RWM02a)



STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

STRONG POST W-BEAM GUARDRAIL

HAWAII BELT ROAD

KUPAPAU'UA BRIDGE WIDENING

HAMAKUA DISTRICT

Federal-Aid Project No. BR-019-2(38)

Scale: As Noted

Date: Oct 2001

SHEET No. C-18 OF 41

SHEETS