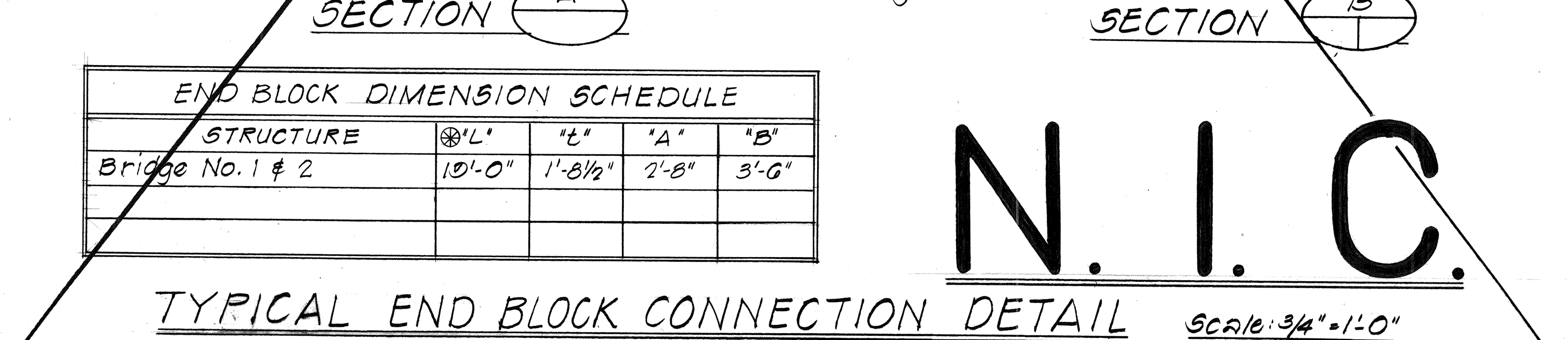
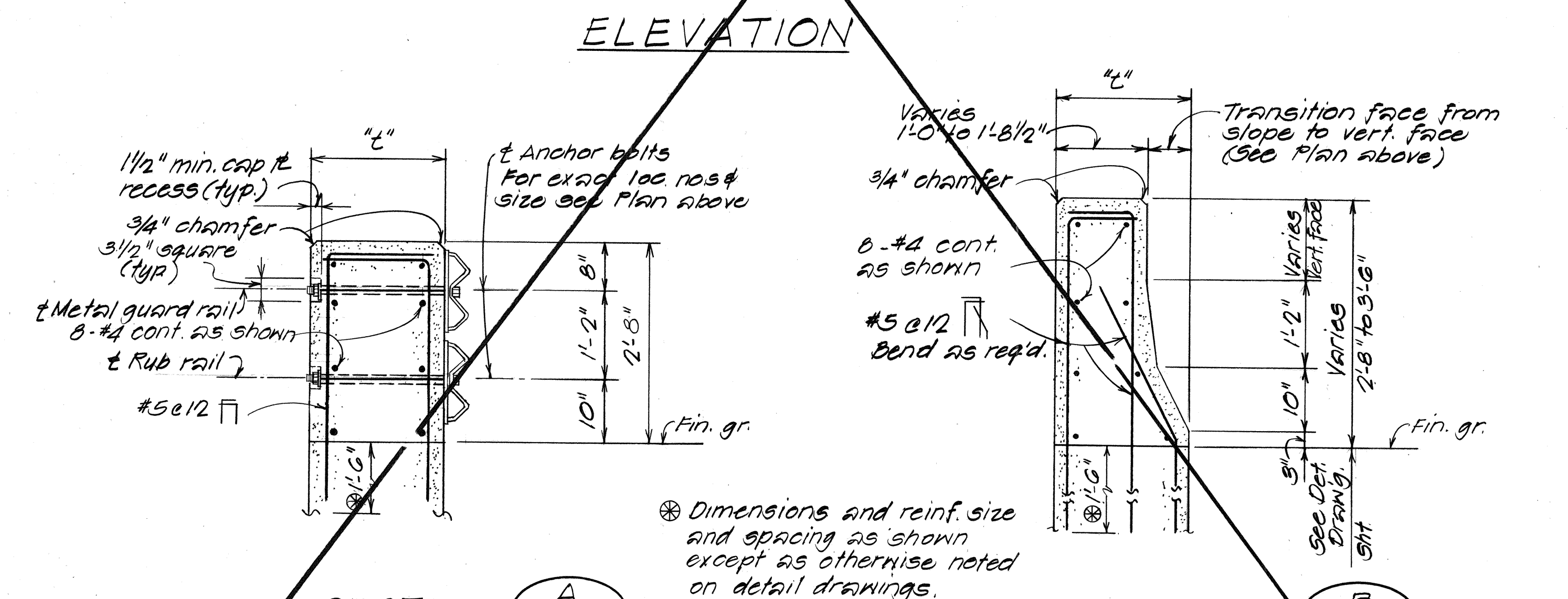
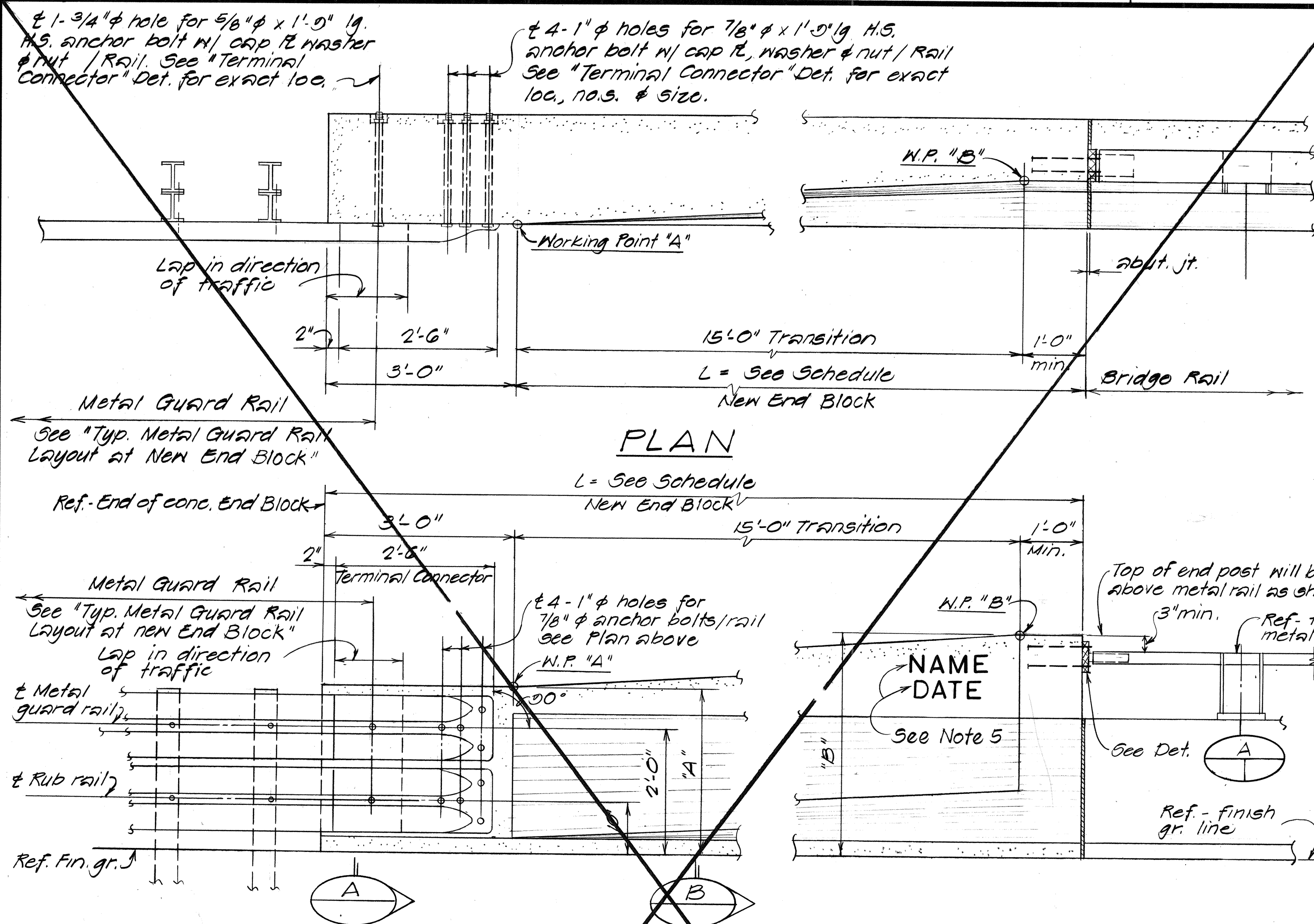


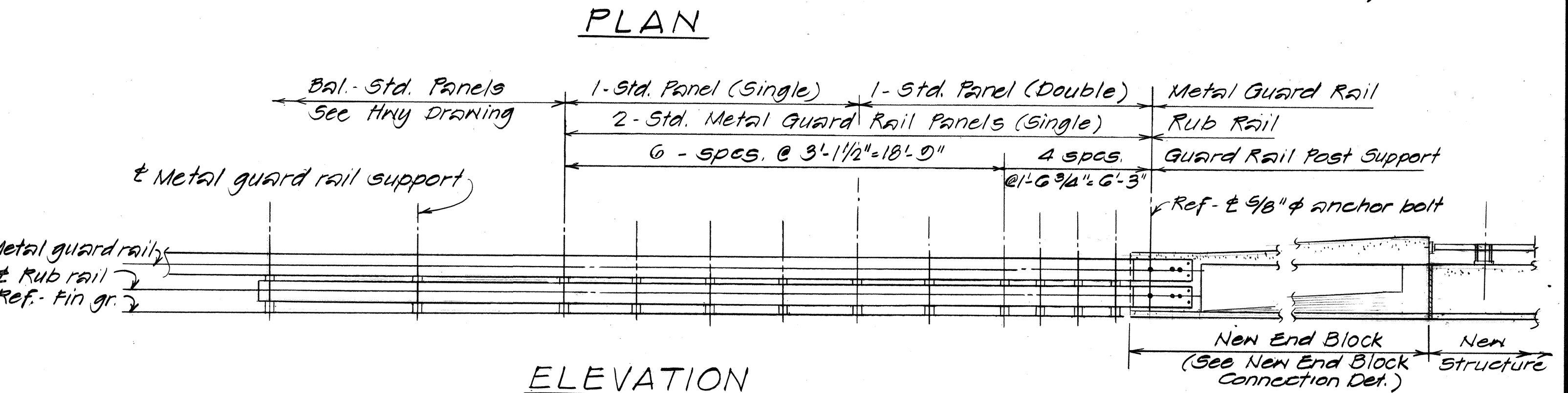
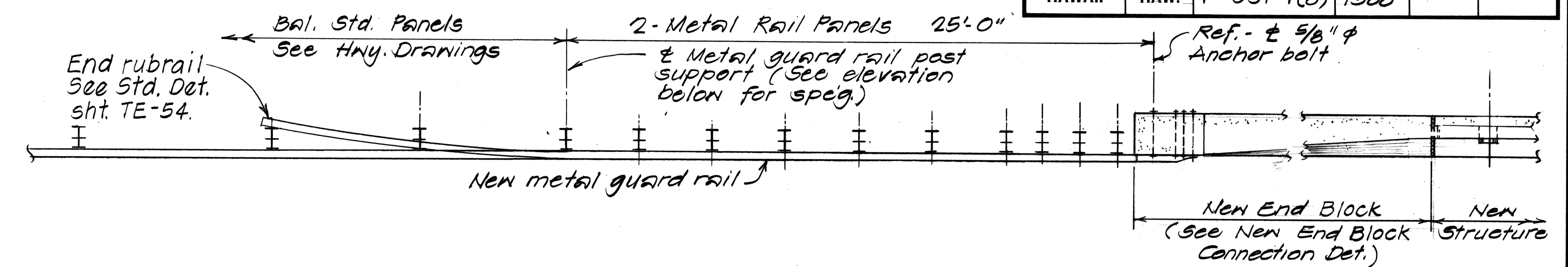
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-051-1(B)	1966		



END BLOCK DIMENSION SCHEDULE				
STRUCTURE	*L*	*t*	*A*	*B*
Bridge No. 1 & 2	10'-0"	1'-8 1/2"	2'-8"	3'-6"

N.I.C.

TYPICAL END BLOCK CONNECTION DETAIL Scale: 3/4" = 1'-0"



TYPICAL METAL GUARD RAIL LAYOUT AT NEW END BLOCK Scale: 1/4" = 1'-0"

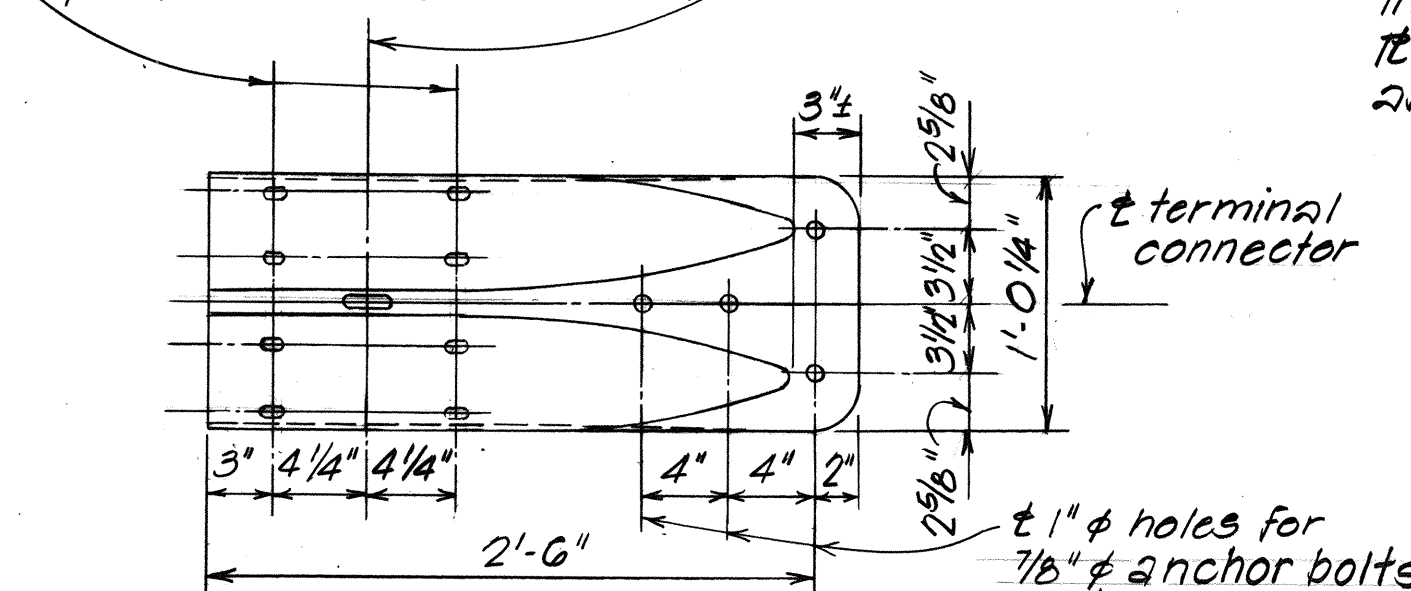
NOTES:

1. All anchor bolts shall be high strength bolts conforming to the requirements of ASTM A325 & Galv.
2. "Terminal Connector" including anchor bolts, nuts and washers, shall be galvanized.
3. "Terminal Connector" shall be fabricated from 10 gage steel conforming to the requirements of AASHTO M180.
4. First 25'-0" of guard rail and rub rail adjoining "Terminal Connector" shall be galvanized steel.

1/4" x 2 1/2" bolt slot for 5/8" anchor bolts

2 1/2" x 1 1/8" slots. See "Standard Plans" TE-51 for bolt dimensions.

1" or 3/4" hole (D + 1/8") centered in 1/2" thick steel & galvanized after fabrication



TYPICAL CAP & DETAIL N.T.S.

TERMINAL CONNECTOR DETAIL N.T.S.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL DETAILS
METAL GUARD RAIL CONNECTION
AT CONCRETE END BLOCK
F.A.I. PROJ. NO. F-051-1(B)

Scale: As Shown Date: Nov. 1967
SHEET No. 39 OF 39 SHEETS