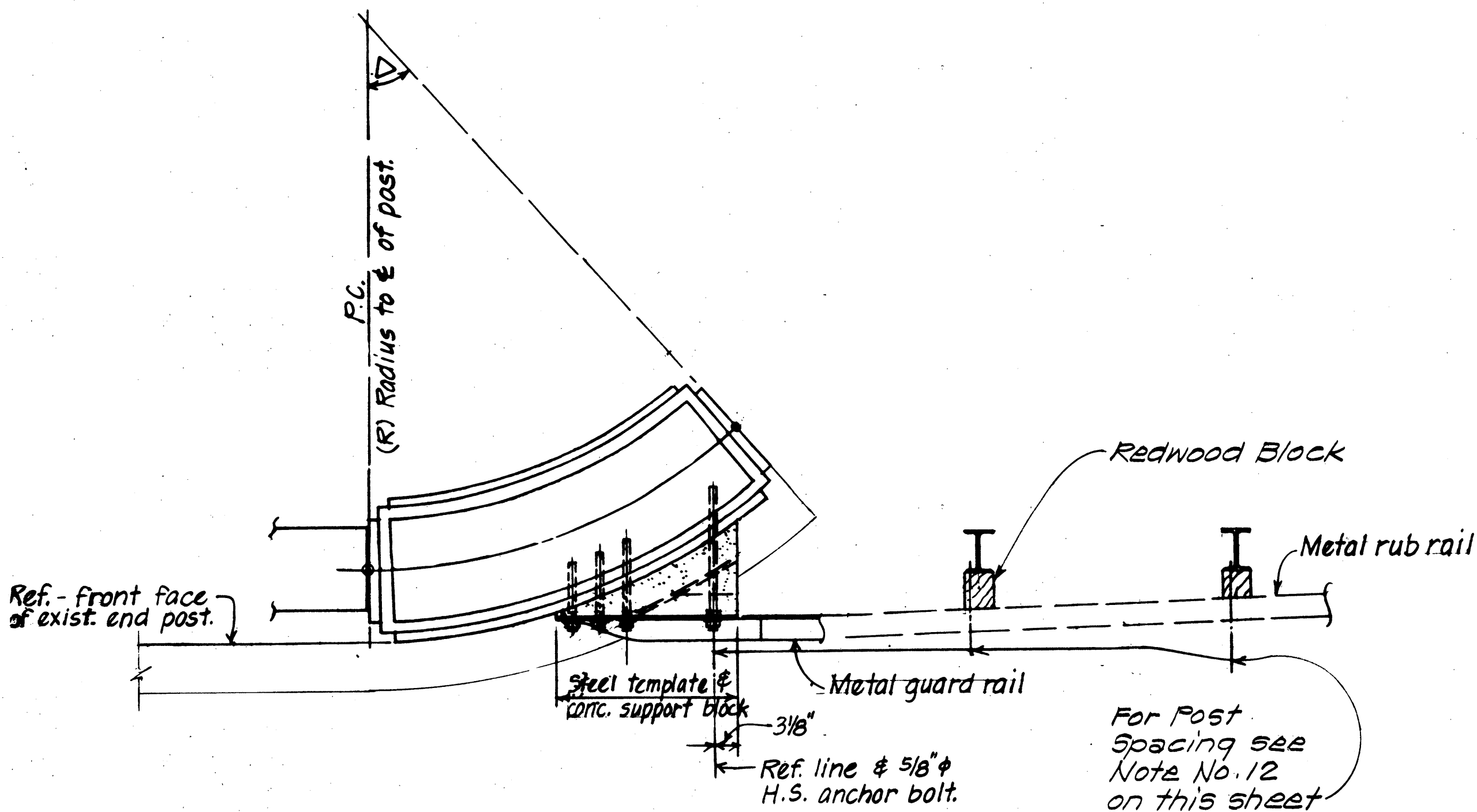


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	19D-01-87M	1988	0045-1	8

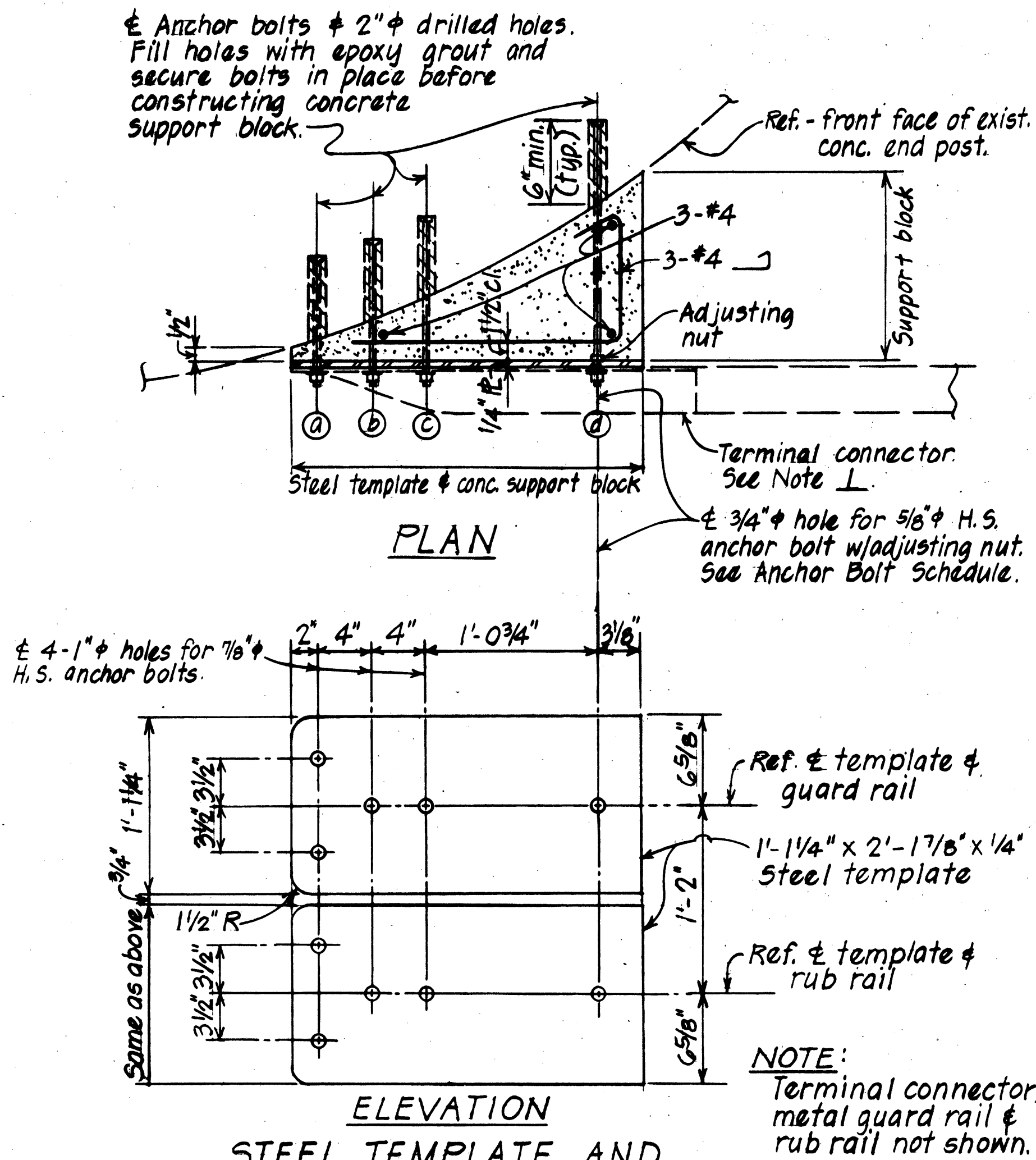
NOTES

- See Standard Specifications for Road & Bridges Construction, (Hawaii, 1985) and Special Provisions.
- See Standard Detail Sht. #DT 501 for terminal connector details and information. "Terminal Connector" shall be incidental to "Guard Rail Connection to Existing End Post."
- Anchor bolts shall be high strength bolts conforming to the requirements of ASTM A325.
- "Terminal Connector" shall be fabricated from 10 gauge steel conforming to the requirements of AASHTO M180.
- Steel template shall be A36 steel.
- "Terminal Connector" steel template, anchor bolts, nuts and washers shall be galvanized.
- Large impacting or vibratory type of equipment will not be permitted for drilling.
- Any damage to the existing structures due to the Contractor's operation shall be repaired at his expense, to the satisfaction of the Engineer.
- The work necessary to connect guard rail to concrete end post shall include all labor, materials, tools, equipment and incidentals necessary to complete the work.
- The Contractor shall verify all dimensions in field before commencing with work.
- The Contractor shall verify the location of all existing utility lines near structures and notify their respective owners before commencing with work.
- Use reduced post spacing at end post connections, 4 posts at 1'-6 3/4" and 6 posts at 3'-1 1/2".
- Use redwood blocks for rubrail transition.
- Use 25' rubrail length and connect the end to the backside of the post similar to details as shown on Standard Plan TE-54, 7/1/86.

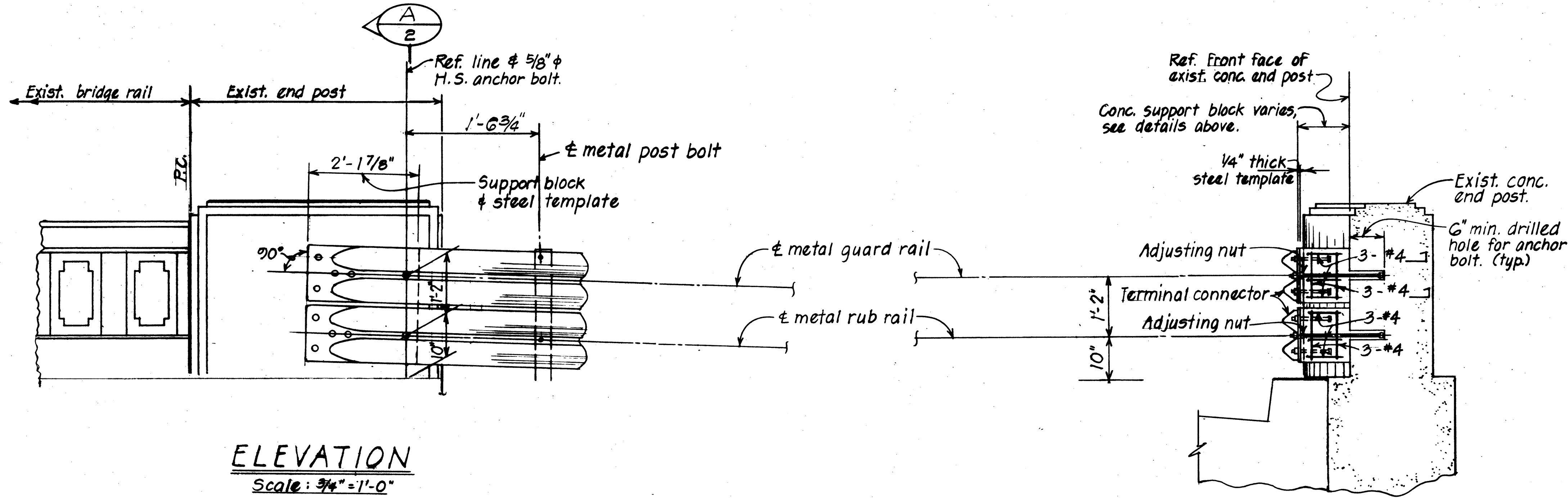
NOTE:
THIS TRACING PREPARED DURING
"AS-BUILT" POSTING



PLAN
Scale: 3/4" = 1'-0"



STEEL TEMPLATE AND
CONCRETE SUPPORT BLOCK DETAILS
Scale: 1 1/2" = 1'-0"



ELEVATION
Scale: 3/4" = 1'-0"

SECTION
Scale: 3/4" = 1'-0"

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SKETCH B-3
G.R. CONN. TO EXIST. END POST
KAWAIHAE-WAIMEA ROAD
IMPROVEMENTS
Proj. No. 19D-01-87M
Scale: As Shown Date: Oct., 1987
SHEET No. 1A OF 1 SHEETS