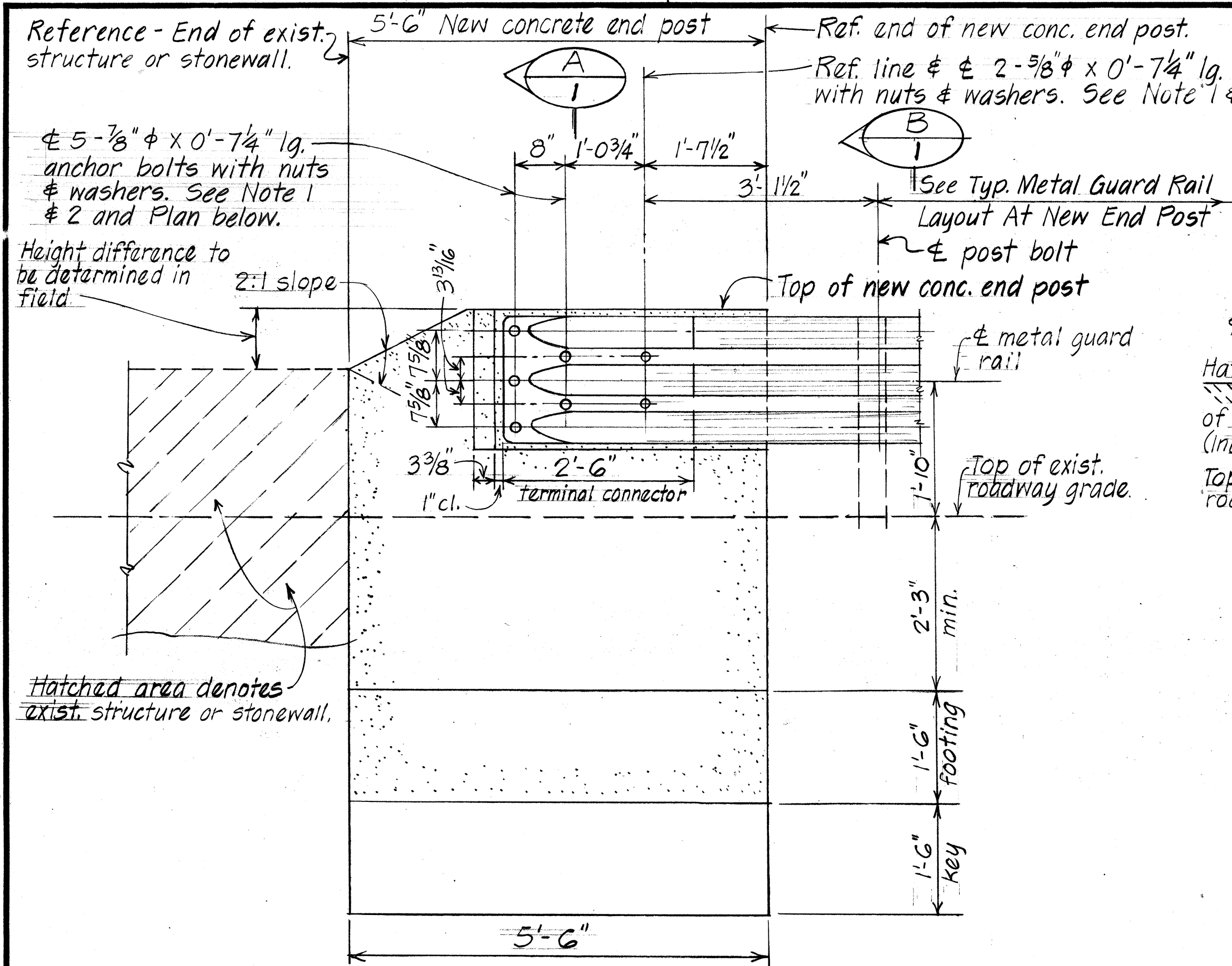
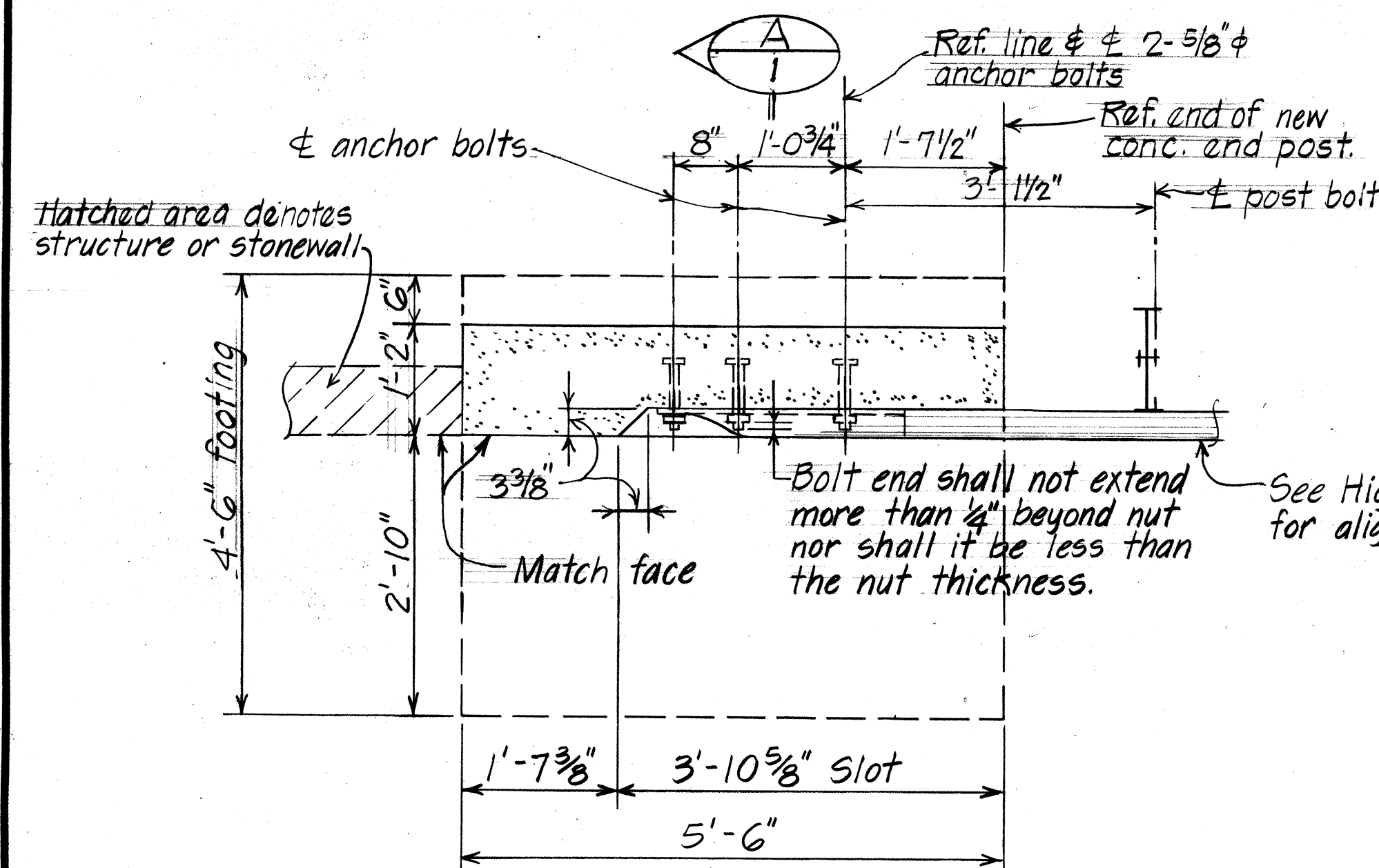


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	440A-01-B1M 440A-02-B1	1981	6	13



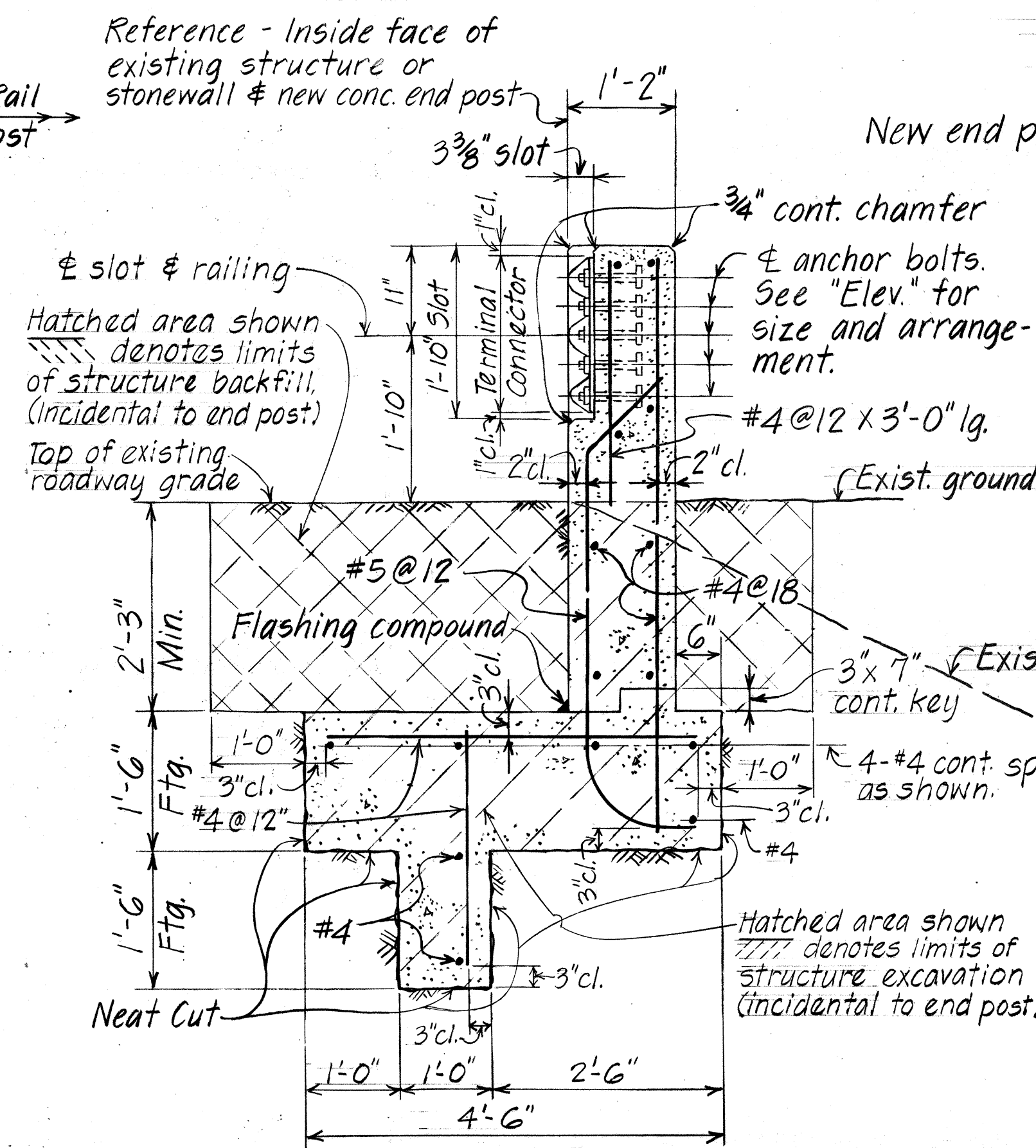
ELEVATION



PLAN

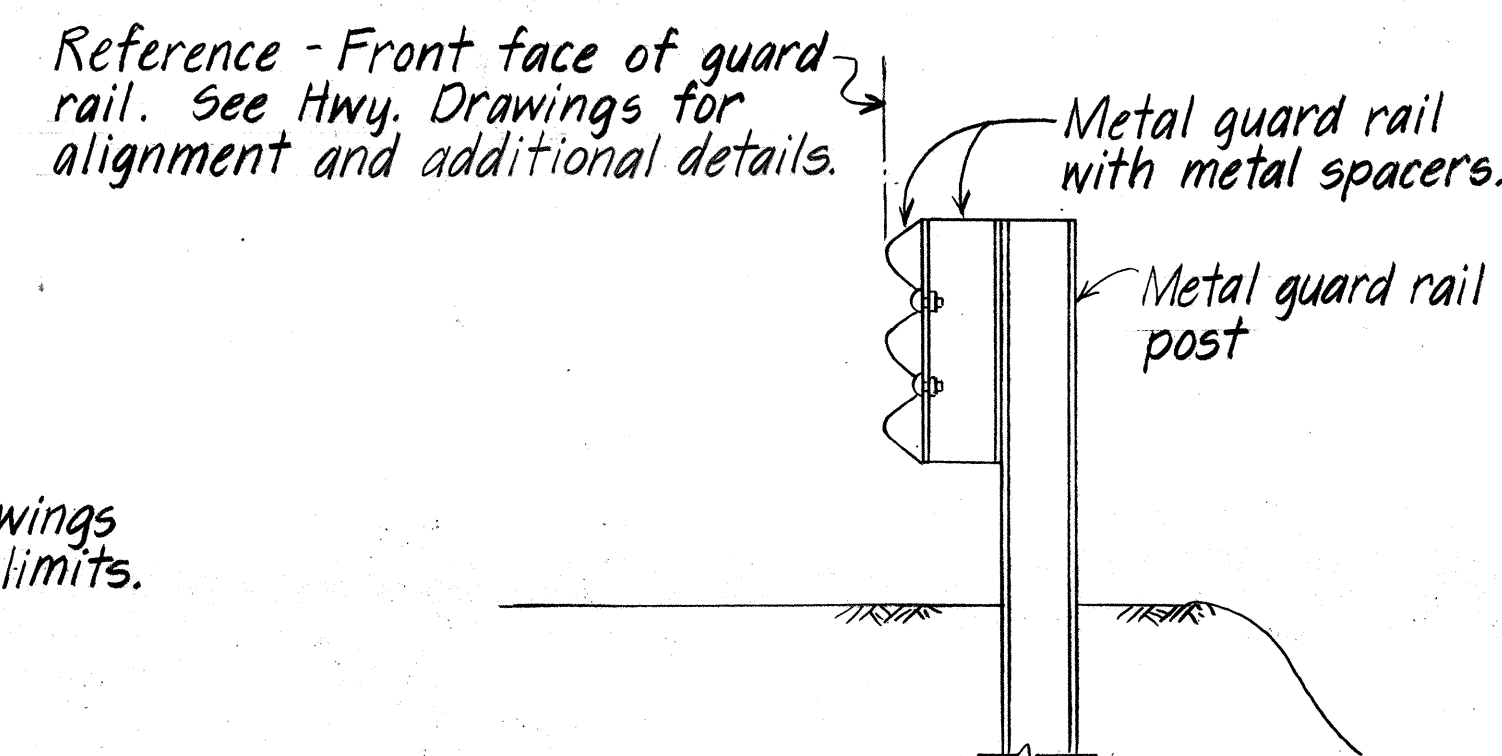
TYPICAL NEW END POST CONNECTION DETAILS

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



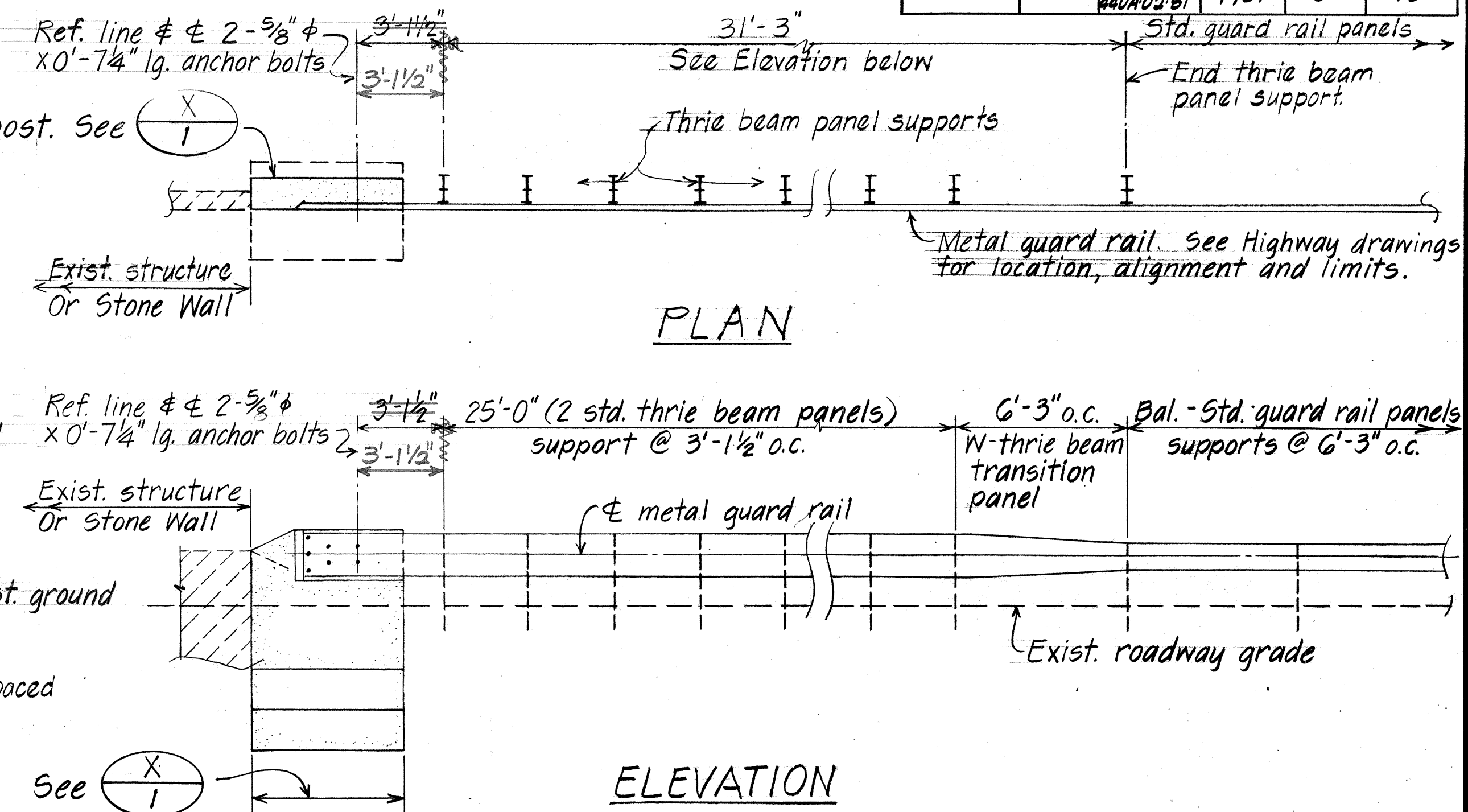
SECTION A

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



SECTION B

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



ELEVATION

TYPICAL METAL GUARD RAIL LAYOUT AT NEW END POST

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

NOTES:

- All anchor bolts shall be high strength bolts conforming to the requirements of ASTM A-325.
- All anchor bolts, nuts and washers shall be hot dip galvanized after fabrication.
- First 2 elements (25'-0") of thrie beam guard rail, adjoining terminal connector, shall be of galvanized steel.
- 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 rails to new end posts shall include all labor, materials, tools, equipment and incidentals necessary to complete the work. This work will be measured and paid for in units of one for each guard rail to end post connection.

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION LAND TRANSPORTATION FACILITIES DIVISION
GUARD RAIL
STRUCTURE CONNECTION DETAIL
KAUMALAPAU HIGHWAY PROJ. No. 440A-01-B1M PROJ. No. 440A-02-B1
Scale: As Shown Date: May, 1981
SHEET No. 1 OF 1 SHEETS