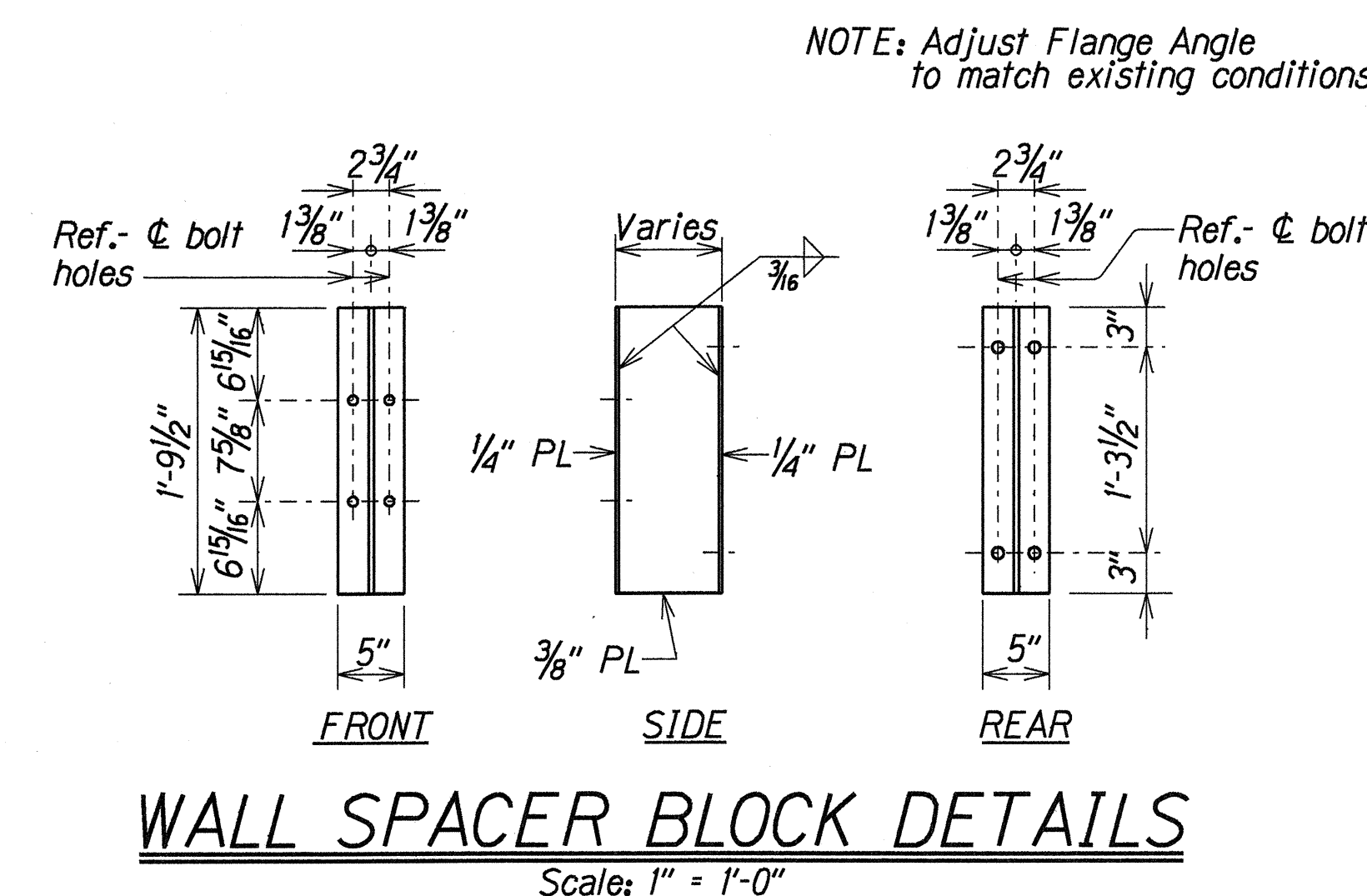
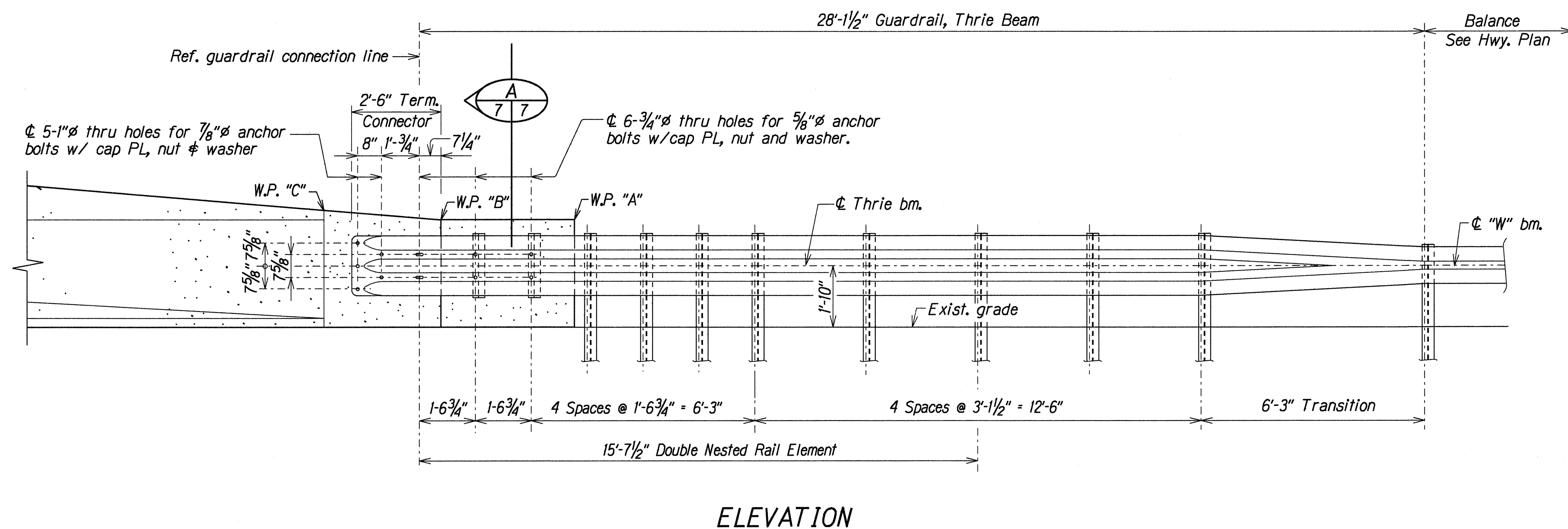
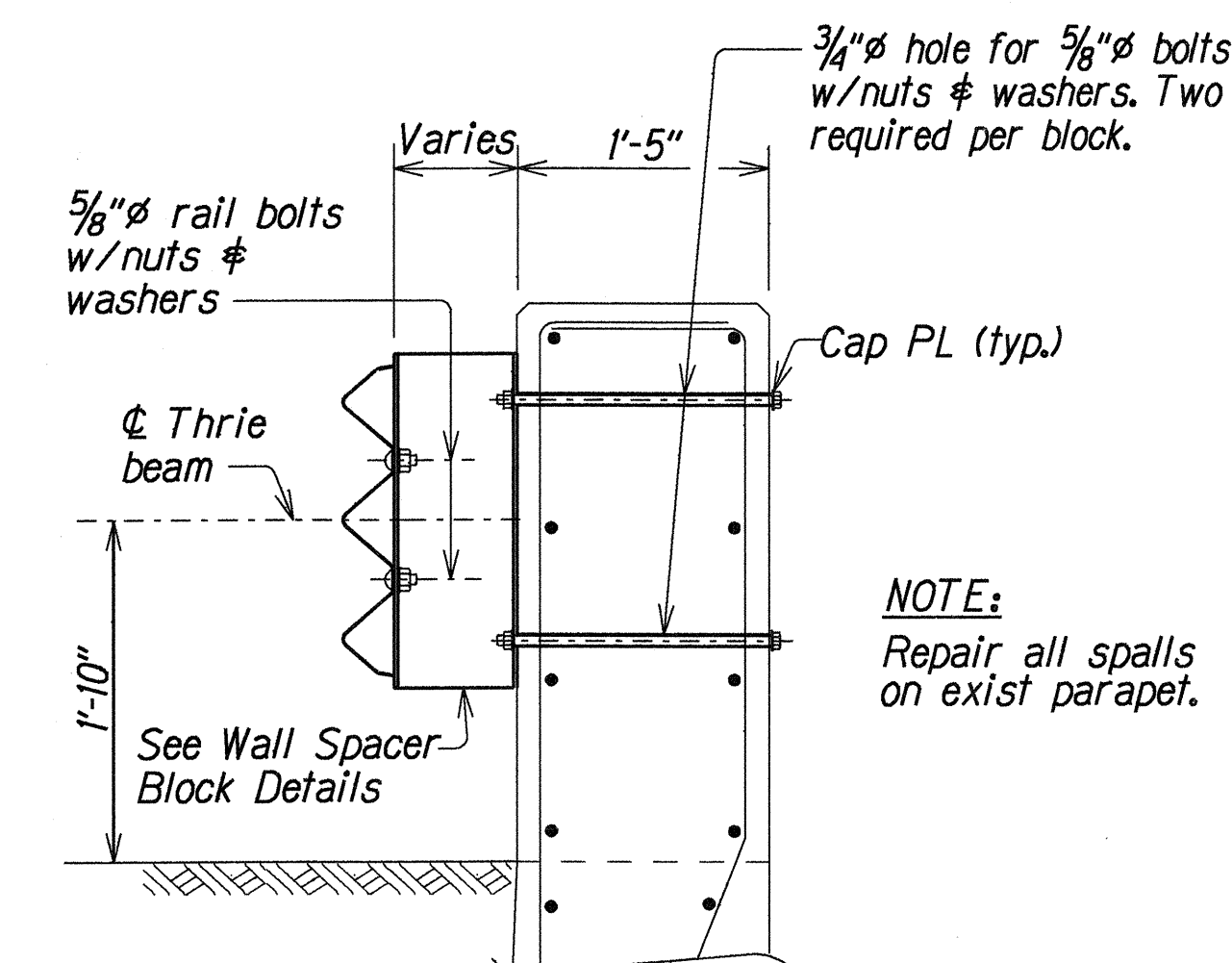
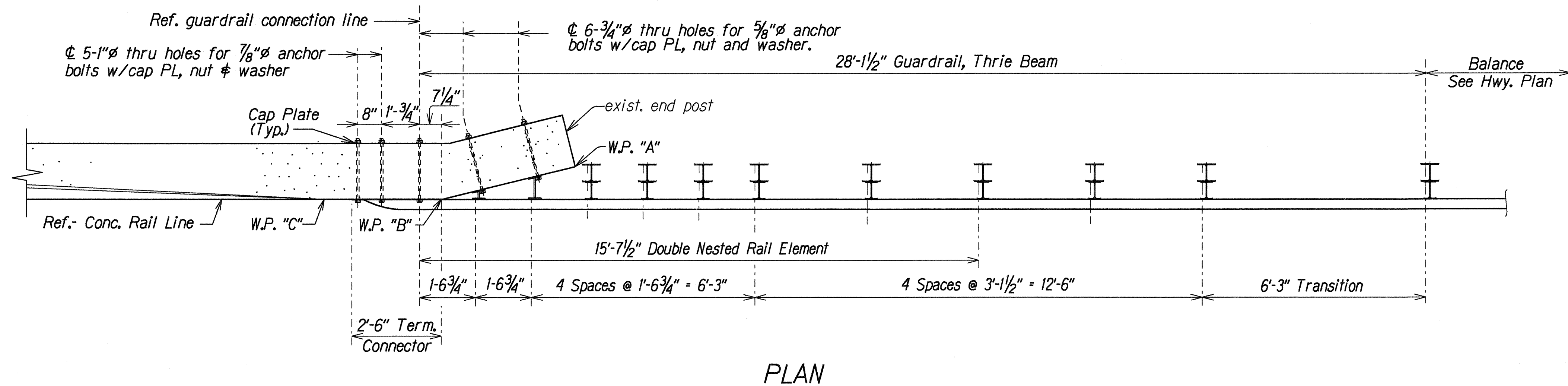


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	51B-01-00M	2000	7	23



THRIE BEAM CONNECTION TO HANAMAULU VIADUCT

Scale: 1/2" = 1'-0"

GUARDRAIL NOTES:

- All anchor bolts shall be high strength bolts conforming to the requirements of AASHTO M 164. See Special Provisions.
- Terminal connector, Thrie Beam Metal Guardrail and Transition Section shall be fabricated from 10 gauge steel conforming to the requirements of AASHTO M 180, Class B, Type II and shall be hot-dip galvanized after fabrication.
- Guardrail post and spacer block including all anchor bolts, cap PL, bolts, nuts, and washers shall be hot-dip galvanized after fabrication.
- Cap PL shall be fabricated from ASTM A 36.
- First 28'-0"± of guardrail adjoining "Terminal Connector" shall be galvanized steel and supports spaced as shown on the detail drawings. This section of rail shall be placed on tangent to end post or parallel to roadway, unless conditions at site renders it impossible to do so. Flare point to be determined in field.
- Double nest thrie beam elements at all end post connections. See plans for extent.
- Where double (nested) beam occur, 12" "Back-up Plate" not required.
- Heads of through anchor bolts shall be placed on the traffic side of the rail.
- See Plan Sht. #11 for Guardrail, Thrie Beam Details.
- Terminal Connector shall not be paid for separately, but shall be considered incidental to contract Item No. 606.3230 - Guardrail - Thrie Beam on Strong Post.

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
THRIE BEAM CONNECTIONS	
KAPULE HIGHWAY, MISCELLANEOUS IMPROVEMENTS Vicinity of Ahukini Road to Kuhio Highway Project No. 51B-01-00M	
Scale: As Shown	Date: December, 1999
SHEET No. 1 OF 1 SHEETS	