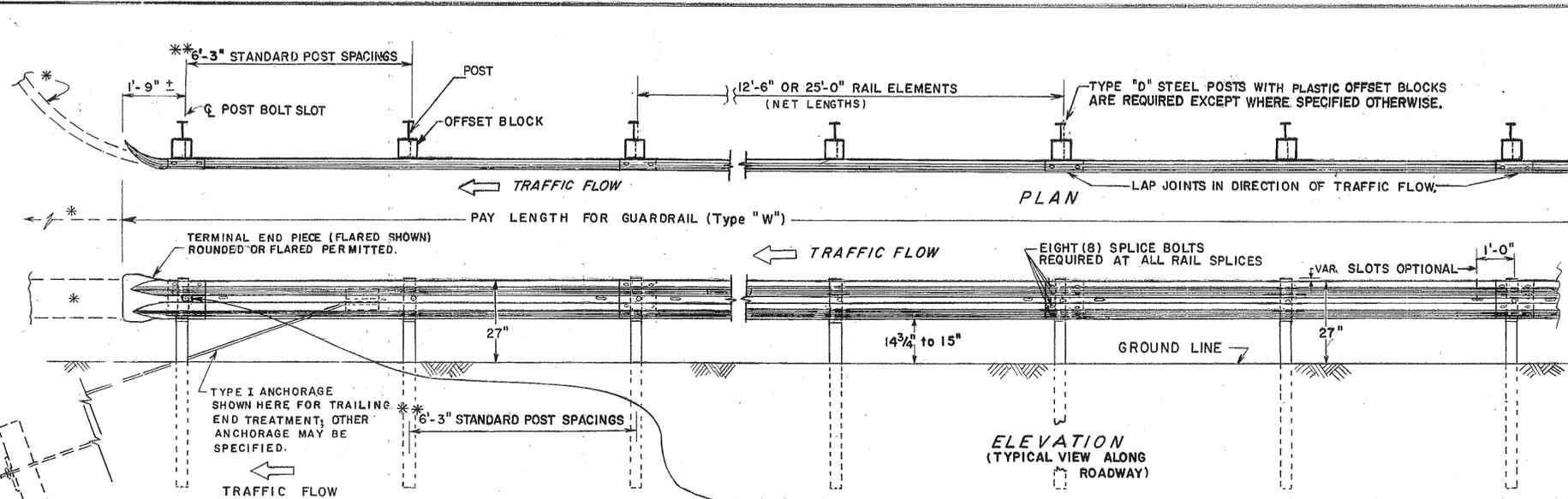
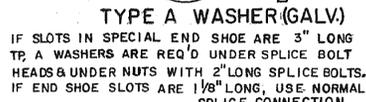


0-110

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.		23	43

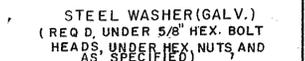


SEE SEPARATE STANDARD OR OTHER DETAILS FOR REQ'D. ANCHORAGES.



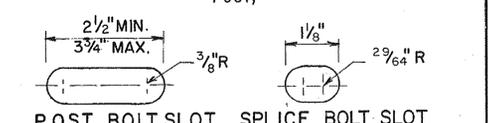
TYPE A WASHER (GALV.)
IF SLOTS IN SPECIAL END SHOE ARE 3" LONG TP A WASHERS ARE REQ'D UNDER SPLICE BOLT HEADS & UNDER NUTS WITH 2" LONG SPLICE BOLTS. IF END SHOE SLOTS ARE 1 1/8" LONG, USE NORMAL SPLICE CONNECTION.

SPECIAL NOTE:
ALL GUARDRAIL SPLICES WILL BE PROPERLY SECURED WITH EIGHT SPLICE BOLT CONNECTIONS. ALL NUTS WILL BE TIGHTENED. LOOSE NUTS, OMITTED BOLTS OR OMITTED NUTS WILL BE CAUSE FOR REJECTION.
GUARDRAIL NOT ERECTED AT A 27" TOP OF RAIL HEIGHT WILL BE CAUSE FOR REJECTION.



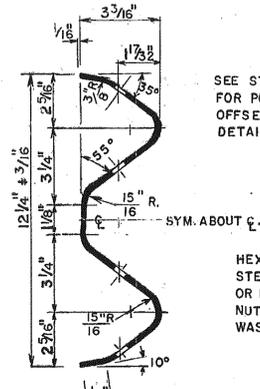
STEEL WASHER (GALV.)
(REQ'D. UNDER 5/8" HEX. BOLT HEADS, UNDER HEX NUTS, AND AS SPECIFIED)

L	THREAD LENGTH
1 1/4"	FULL LENGTH
2"	1 1/2" MIN.
9 1/2"	1 3/4" MIN.
18"	2 1/2" MIN.
25"	2" MIN.

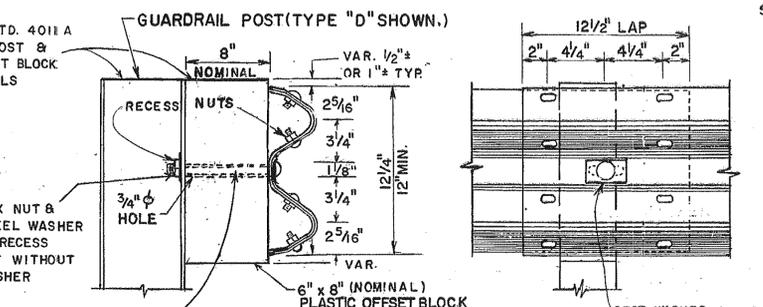


POST BOLT SLOT SPLICE BOLT SLOT

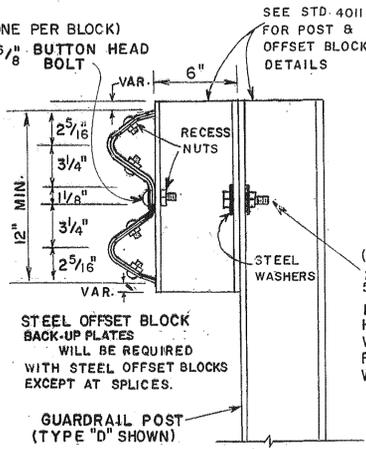
NOTE:
* A PRECURVED GUARDRAIL SECTION WILL BE REQUIRED WHERE TYPE I ANCHORAGE IS PERMITTED AT GUARDRAIL TERMINAL IF TRAFFIC FLOW IS TWO-WAY. SEE APPLICABLE STANDARDS.
** REDUCED POST SPACINGS WILL BE REQUIRED AT TURNOUTS AROUND RADII, AT REDUCED OFFSETS TO FACE OF FIXED OBJECTS OR AT OTHER SPECIFIED LOCATIONS. SEE PLAN DETAILS OR APPLICABLE STANDARDS. PAYMENT FOR GUARDRAIL WILL INCLUDE THE ADDITIONAL POSTS REQUIRED.



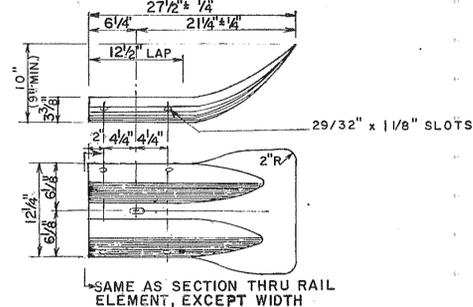
SECTION THROUGH RAIL ELEMENT



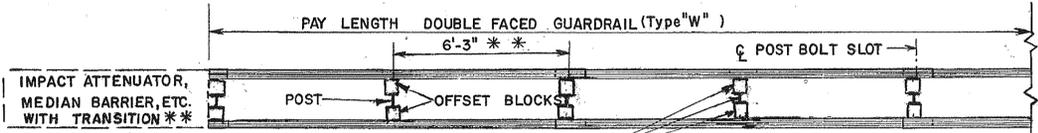
GUARDRAIL POST (TYPE "D" SHOWN.)



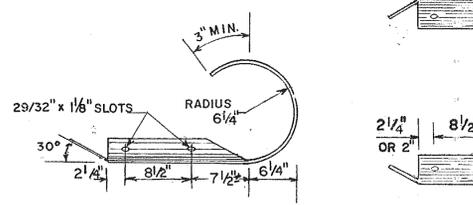
BUTTON HEAD (OR SPLICE) BOLT (8 REQ'D PER SPLICE)



TERMINAL END PIECE (FLARED)

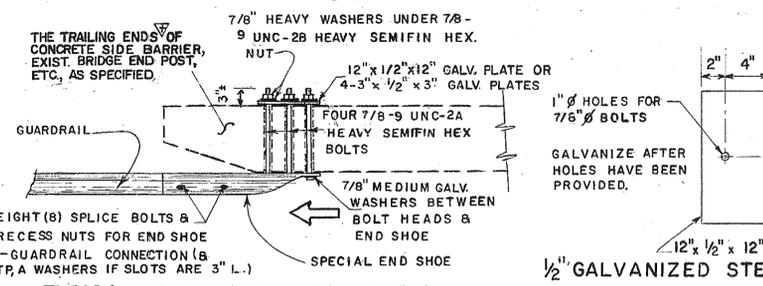


DOUBLE FACED GUARDRAIL (Type "W")

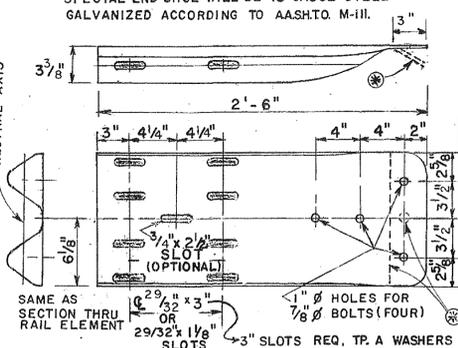


BUFFER END SECTION (DETAILS NOT SHOWN ARE SIMILAR TO ROUNDED TERMINAL END PIECE)

NOTE: DETAILS FOR DOUBLE FACED GUARDRAIL NOT SHOWN ARE SIMILAR TO THAT SHOWN FOR SINGLE FACED RAIL.
DOUBLE FACED GUARDRAIL (Type "W")



TYPICAL END SHOE CONNECTION



SPECIAL END SHOE DETAIL (FOR USE IN CONNECTING GUARDRAIL TO BRIDGE END POST, CONCRETE BARRIERS, ETC.)

CHG. TP 9 TO TP 11	1-17-95
END SHOE LAP	12-27-99
GEN. REV. & UPDATING	3-29-99
DELETED WOOD BLOCKS	1-1-97
BLOCK & SPLICE BOLT D.	7-1-80
ADD TYP. END SHOE CON.	10-31-90
ADD TR. AWASH. REV. RECT. W.	4-3-94
ADD ALT. 3 1/2" PLATES	7-14-96
REVISE OFFSET BLOCKS	7-28-97

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
"W" BEAM GUARDRAIL

NO SCALE REV. & REDR. DECEMBER, 1979

SUBMITTED *Flad G. Hardy*
STATE ROAD & AIRPORT DESIGN ENGR.
APPROVED *Thomas D. Moreland*
STATE HIGHWAY ENGINEER

NUMBER
4010