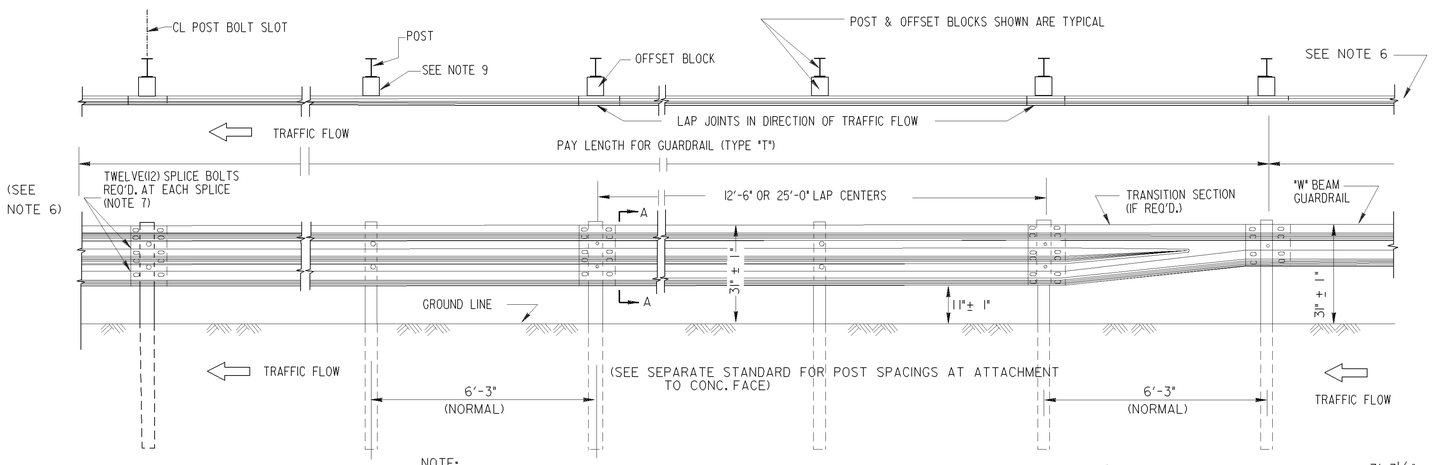
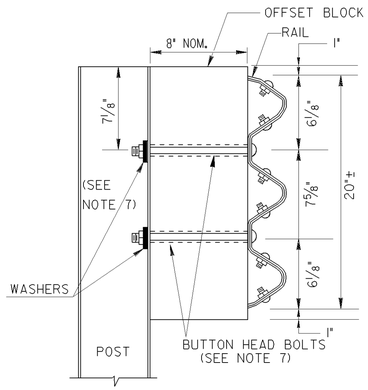
12/7/2011 8:05:13 AM \\GDOT-DSN1\GOPLOT\QCF\GO_K1p8000.qcf tcox C:\tpc\31inch guardrail\new 31 inch guardrail files\4385.pdf GO-RD6

9/21/2011 8:14:06 AM \\GDOT-DSN1\GOPLOT\QCF\GO_K1p8000.qcf gowens V:\GARY\31 inch guardrail standards\4270 rev 4385.prf

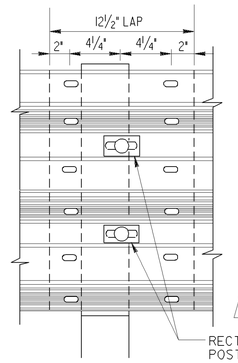
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	0012683	93	110



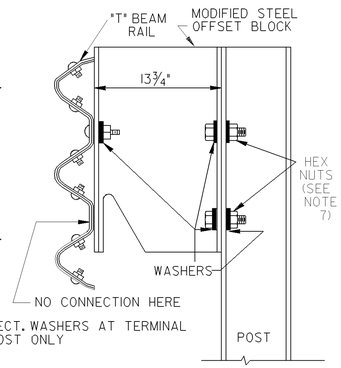
NOTE:
WHERE ATTACHED TO CONCRETE BARRIER, BRIDGE END POST OR OTHER CONCRETE FACE, PAYMENT FOR T BEAM GUARDRAIL SHALL INCLUDE ADDITIONAL POSTS, OFFSET BLOCKS AND DOUBLE THICKNESS (ONE RAIL NESTED INSIDE ANOTHER) SECTION OF T BEAM GUARDRAIL AS SPECIFIED.



SECTIONAL VIEW
(GUARDRAIL TP. T-LIN. FT.)

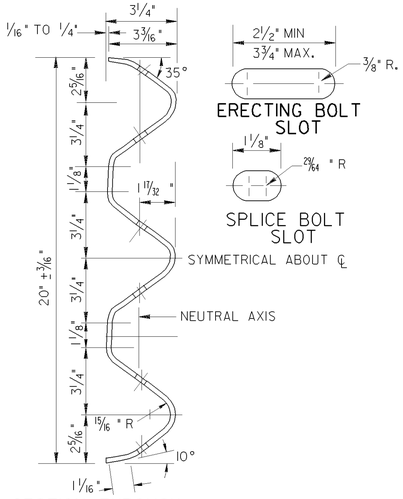


"T" BEAM SPLICE AT POST



SECTIONAL VIEW
(GUARDRAIL TP. T, MODIFIED OFFSET BLOCK)

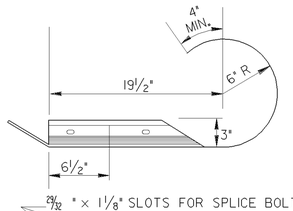
NOTE:
13¾" DEPTH MODIFIED STEEL OFFSETS BLOCKS MAY BE SPECIFIED WHERE JUSTIFIED FOR MORE SEVERE CONDITIONS. PAY ITEM IS --GUARDRAIL, TP T, MODIFIED OFFSET BLOCK---PER LIN. FT.



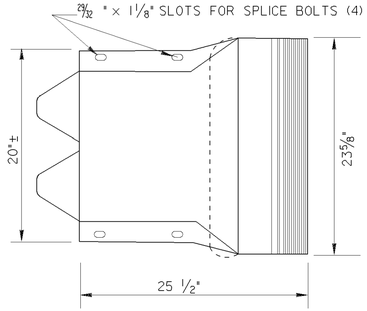
SECTION THROUGH RAIL ELEMENT (SEC. A-A)

ERECTING BOLT SLOT

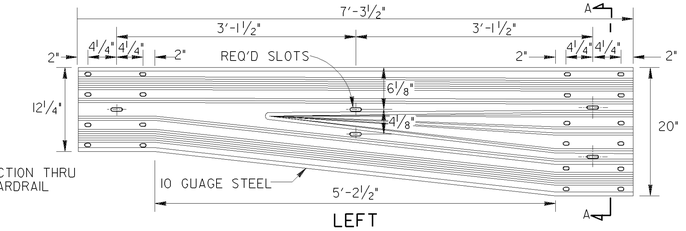
SPLICE BOLT SLOT



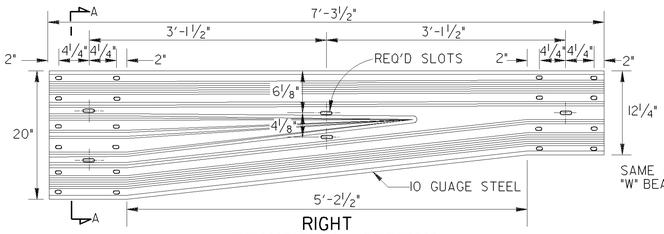
29/32" × 1⅛" SLOTS FOR SPLICE BOLTS (4)



ROUNDED TERMINAL SECTION
TO BE LAPPPED ON TRAFFIC FACE OF RAIL WHERE TYPE I ANCHORAGE IS REQUIRED

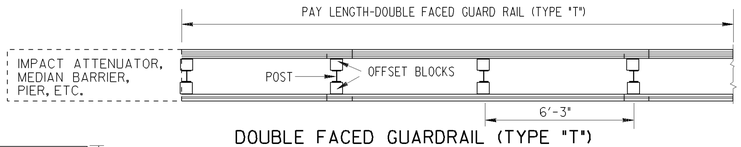


LEFT



RIGHT
TRANSITION SECTION

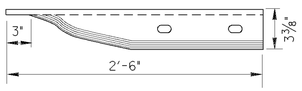
SAME AS SECTION THRU "W" BEAM GUARDRAIL



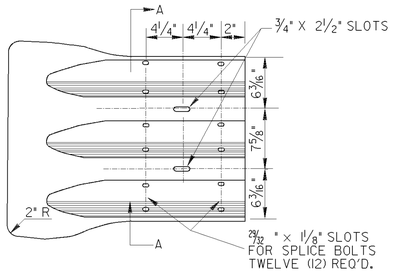
DOUBLE FACED GUARDRAIL (TYPE "T")

GENERAL NOTES:

1. SPECIFICATIONS: GA. STANDARD CURRENT EDITION & SUPPLEMENTS THERETO
2. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. NET LENGTH OF RAIL ELEMENTS MAY BE EITHER 12'-6" OR 25'-0".
4. RAIL ELEMENTS ON CURVES OF RADII LESS THAN 150' WILL BE PRECURVED.
5. PAYMENT FOR GUARDRAIL (TYPE "T") WILL INCLUDE ALL POSTS, BLOCKS, HARDEWARE ACCESSORIES AND WHERE REQUIRED ALL ADDITIONAL POSTS, END SHOES, TERMINAL SECTIONS, TRANSITION SECTIONS, BACK-UP PLATES AND REMOVAL AND REPLACEMENT OF PORTIONS OF MEDIAN PAVING, SPILLWAYS OR CATCH BASINS WHERE NECESSARY.
6. ALL GUARDRAIL TERMINALS SHALL REQUIRE AN APPROVED ANCHORAGE AS SPECIFIED IN IN THE PLANS OR APPROVED BY THE ENGINEER EXCEPT WHERE CONNECTED TO A BRIDGE END OR OTHER CONCRETE FACE.
7. NUTS, BOLTS AND WASHERS WHICH ARE NOT DETAILED ON THIS STANDARD, SHALL BE AS SHOWN FOR W BEAM GUARDRAIL ON STANDARD 4380.
8. SEE SEPARATE STANDARDS AS APPLICABLE FOR ANCHORAGES, POSTS, OFFSET BLOCKS, CONNECTIONS TO CONCRETE FACE, W BEAM GUARDRAIL, ETC.
9. SEE STANDARD 4381 FOR DETAILS AND REQUIREMENTS OF BACK-UP PLATES, WHERE STEEL OFFSET BLOCKS ARE ALLOWED OR SPECIFIED.
10. OFFSET BLOCKS SHALL BE PLASTIC UNLESS OTHERWISE APPROVED OR SPECIFIED.

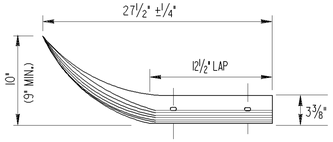


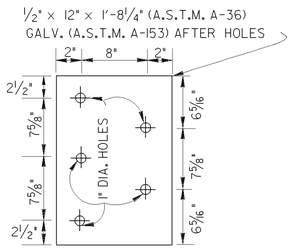
SPECIAL END SHOE WILL BE 10 GUAGE STEEL GALVANIZED ACCORDING TO A.A.S.H.T.O. M-111



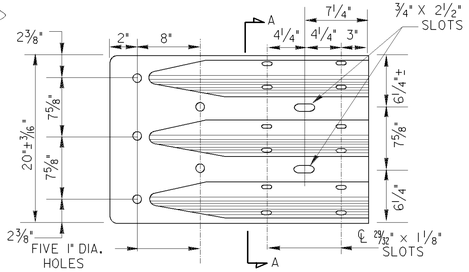
FLARED TERMINAL SECTION

THE FLARED TERMINAL SECTION MAY BE USED AS AN ALTERNATE TO THE ROUND TERMINAL SECTION.

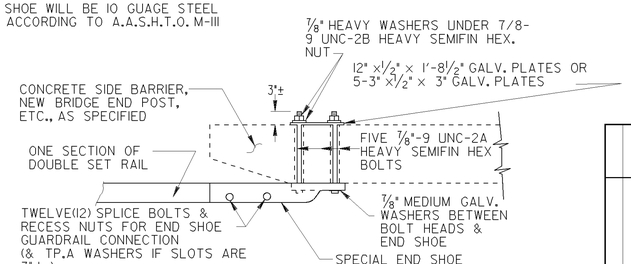




½" GALVANIZED STEEL PLATE
(FOR USE WITH END SHOE CONN.)
ALTERNATE: FIVE 3" x ½" x 3" GALV. PLATES WITH 1" DIA. HOLE CENTERED, GALV. AFTER HOLES.



"T" BEAM SPECIAL END SHOE



TYPICAL SPECIAL END SHOE CONNECTION
NOTE: THE "T" BEAM RAIL ELEMENT/END SHOE SPLICE SHALL BE LAPPED IN THE DIRECTION OF THE NEAREST TRAFFIC.

RELEASED FOR CONSTRUCTION
2-19-2016

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
"T" BEAM GUARDRAIL
CONNECTION TO 31 INCH HEIGHT "W" BEAM

NO SCALE — AUGUST 2011

BY	DES. G.L.O.	(SUBMITTED) STATE DESIGN POLICY ENGINEER	NUMBER
	DRW. G.L.O.		
	CHK. B.R.E.	(APPROVED) Donald M Rus	4385
	REVIEW B.A.S.	CHIEF ENGINEER	

DATE | REVISION

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