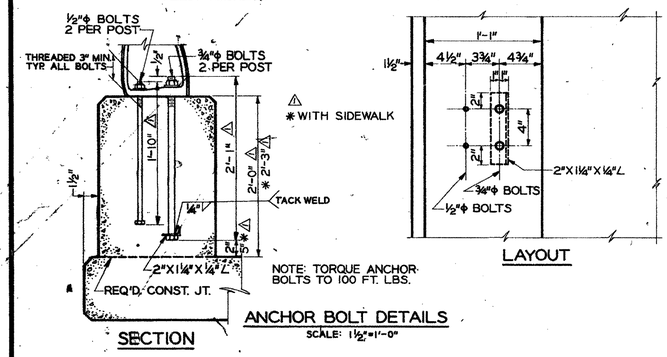
FED. ROAD DIV. No.	STATE	FED. AID PROJ. No.	STATE AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
3	GA.				1019	1236

NOTE: ANCHOR BOLTS SHALL BE HOT DIP GALVANIZED BOLTS WITH STD. A.S.R. GALVANIZED HEX NUTS AND AluminUM ALLOY WASHERS.

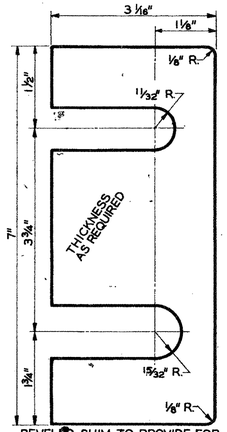


NOTE: TORQUE ANCHOR BOLTS TO 100 FT. LBS.

SECTION

LAYOUT

ANCHOR BOLT DETAILS
SCALE: 1½"=1'-0"

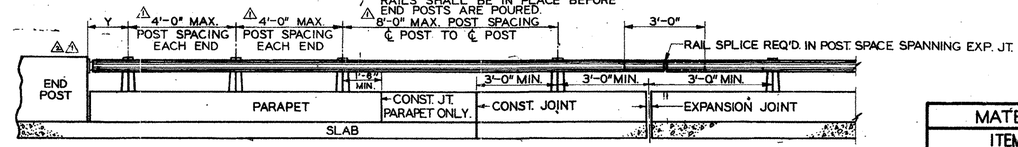


BEVELED SHIM TO PROVIDE FOR ADJUSTMENT FOR GRADE IN ORDER TO KEEP POSTS PLUMB.

SHIM DETAIL

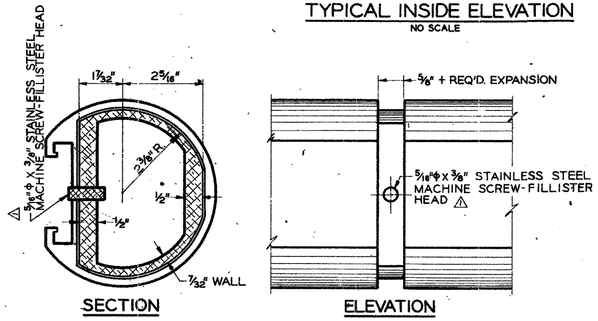
△ FOR DIMENSION Y SEE BRIDGE PLANS.

△ NOTE: POSTS SHALL BE PLUMB AND RAIL SHALL BE ON GRADE. RAILS SHALL BE IN PLACE BEFORE END POSTS ARE POURED.



TYPICAL INSIDE ELEVATION
NO SCALE

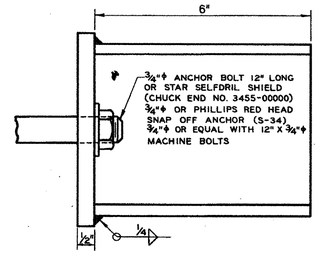
MATERIAL SPECIFICATIONS	
ITEM	MATERIAL
△ △ POSTS	ALUM. ALLOY A444-T4
△ △ RAILING, CLAMP BAR, SPLICE SLEEVE AND END ATTACHMENT	A.S.T.M. B-221 ALLOY 6061, CONDITION T6
SHIM AND WASHER	A.S.T.M. B-209 — SHIM, 1100-0; WASHER, ALCAD 2024-T3
ANCHOR BOLT & NUT	A.S.T.M. A-307 GALV. STEEL GALV. A-153
ANCHOR BOLT ANGLE	COMMERCIAL QUALITY
CONNECTOR BOLT	STAINLESS STEEL - A.S.T.M. A 276 TYPE 316 CONDITION A.
△ MACHINE SCREW	STAINLESS STEEL - A.S.T.M. A276 TYPE 316 CONDITION A

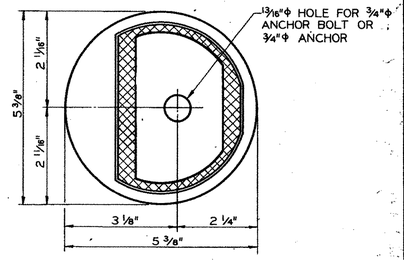


SECTION

ELEVATION

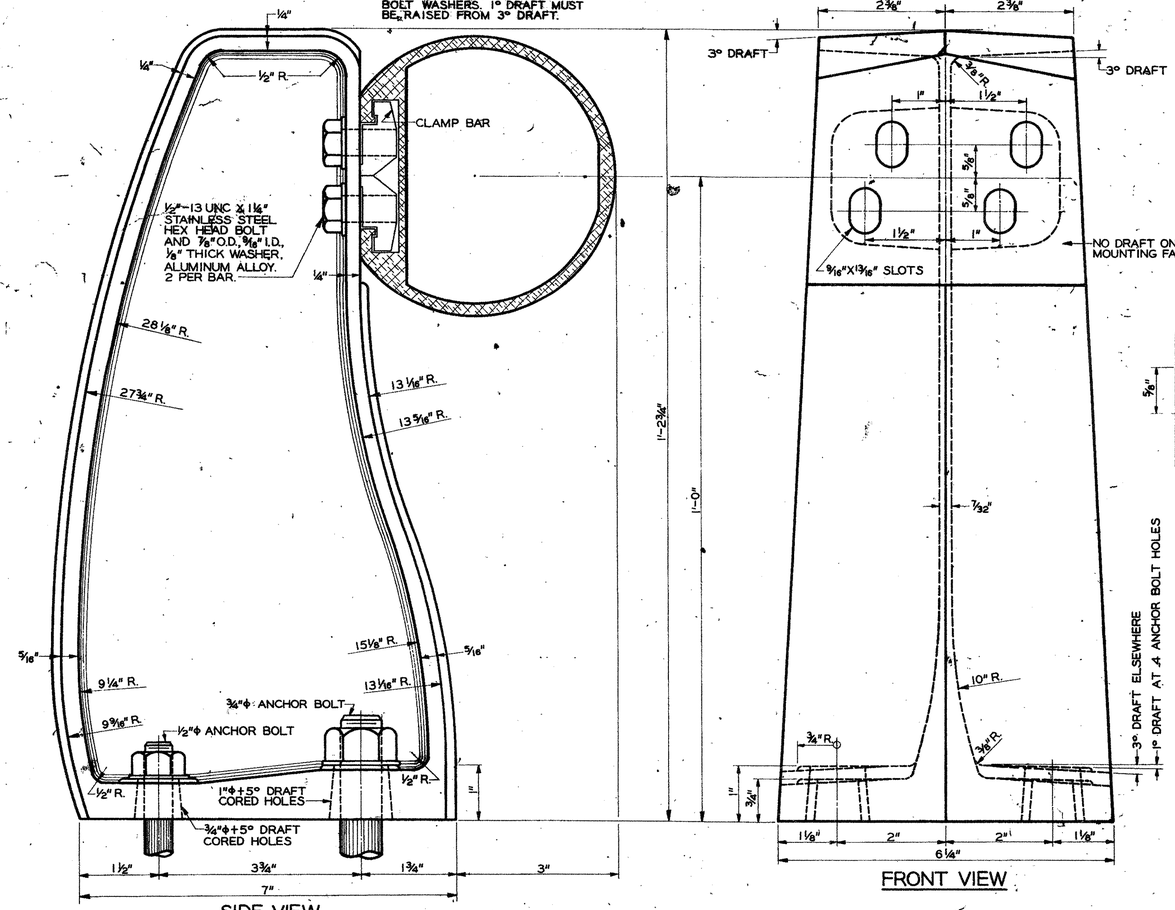
RAIL SPLICE DETAILS
SCALE: 6" = 1'-0"





△ END RAIL DETAIL
SCALE: 6" = 1'-0"

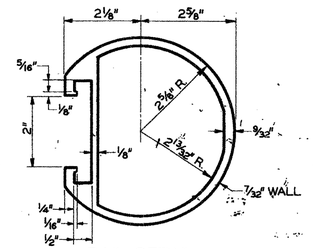
NOTE: PROVIDE 1° DRAFT LOCALLY UNDER CONNECTOR BOLT WASHERS. 1° DRAFT MUST BE RAISED FROM 3° DRAFT.



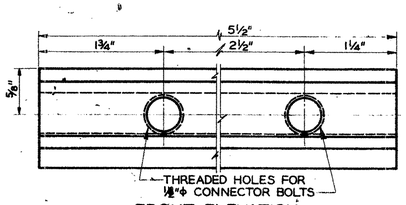
SIDE VIEW

POST DETAILS

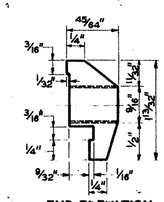
FRONT VIEW



RAIL DETAIL
SCALE: 6" = 1'-0"

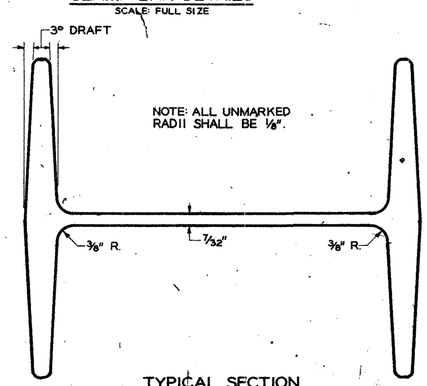


FRONT ELEVATION



END ELEVATION

CLAMP BAR DETAILS
SCALE: FULL SIZE



TYPICAL SECTION
NO SCALE

GENERAL NOTES

SPECIFICATIONS - GEORGIA STANDARD.

RAILING SHALL CONFORM TO HORIZONTAL AND VERTICAL ALIGNMENT FOR RAILING ON A HORIZONTAL CURVE THE RAIL SHALL CONFORM TO THE CURVE.

POSTS SHALL BE VERTICAL.

COST OF ANCHOR BOLTS, CONNECTOR BOLTS, NUTS, WASHERS, CLAMP BARS, SPLICE SLEEVES AND SHIMS SHALL BE INCLUDED IN PRICE BID FOR ALUMINUM RAILING.

RAILS SHALL BE CONTINUOUS OVER A MINIMUM OF 3 POSTS.

OUTER SURFACE OF POST FLANGES, EXCEPT BASE AND RAIL MOUNTING FACES, SHALL HAVE A NO. 36 GRIT FINISH.

1° DRAFT LOCALLY UNDER CONNECTOR BOLT HEAD MAY BE DEPRESSED PROVIDED BOLT LENGTH AND WASHER THICKNESS ARE REVISED TO FURNISH FULL ENGAGEMENT OF CLAMP BAR THREADS.

REVISIONS	BY	DATE
MAT'L. SPEC. & CLAMP BAR	J.T.K.	7-21-65
WASHER THICKNESS - FIN.	J.T.K.	11-19-65
MAT'L. SPEC. & INSIDE ELEV.	J.T.K.	4-21-67
POST SP., PARAPET & SLEEVE	H.W.C.	8-28-74
MAT'L. SPEC. & END ATTACH.	H.W.C.	10-22-85

△ DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD ONE PIPE ALUMINUM HANDRAILING FOR BRIDGES

SCALE: 9" = 1'-0" UNLESS NOTED

OCTOBER 1964

DESIGNED J.T.K.
DRAWN R.M.
TRACED B.J.W.
CHECKED J.T.K.

SUBMITTED C. A. Meredith BRIDGE ENGINEER

APPROVED M. Shedburn STATE HIGHWAY ENGINEER

NUMBER 3626