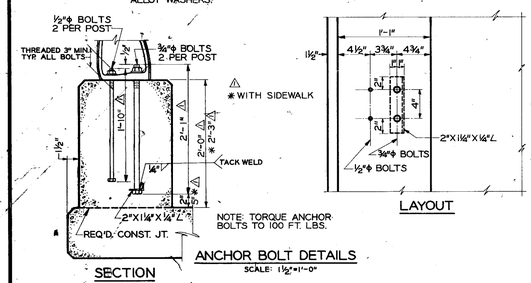
AS-BUILT PLANS 12/12/12

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

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

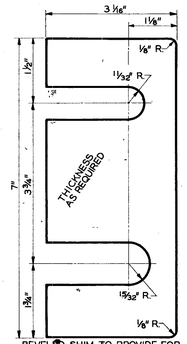


NOTE: TORQUE ANCHOR BOLTS TO 100 FT. LBS.

SECTION

LAYOUT

ANCHOR BOLT DETAILS
SCALE: 1½"=1'-0"

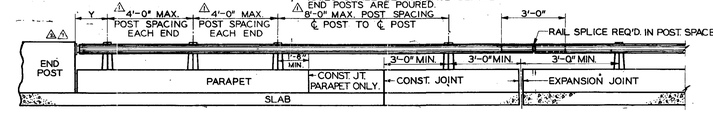


BEVELED SHIM TO PROVIDE FOR ADJUSTMENT FOR GRADE IN ORDER TO KEEP POSTS PLUMB.

SHIM DETAIL

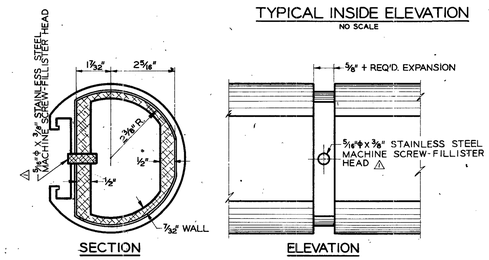
FOR DIMENSION Y SEE BRIDGE PLANS.

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

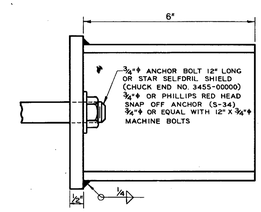
MATERIAL SPECIFICATIONS	
ITEM	MATERIAL
POSTS	ALUM. ALLOY A444-T4
RAILING, CLAMP BAR, SPLICE SLEEVE AND END ATTACHMENT	A.S.T.M. B-221 ALLOY 6061, CONDITION T6
SHIM AND WASHER	A.S.T.M. B-209 SHIM, 1100-0" WASHER, ALCAD 2024-T3
ANCHOR BOLT & NUT	A.S.T.M. A-307 GALV. STEEL GALV. A-153
ANCHOR BOLT ANGLE	COMMERCIAL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

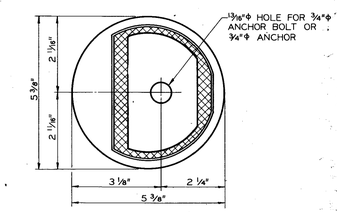


SECTION

ELEVATION

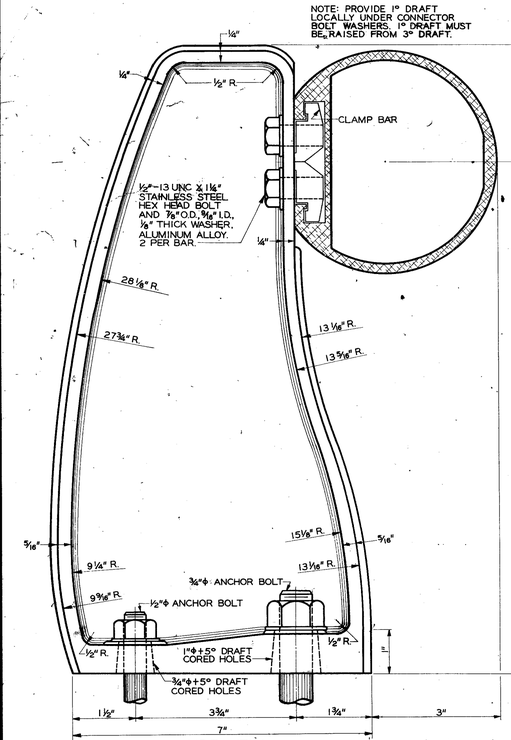
RAIL SPLICE DETAILS
SCALE: 6" = 1'-0"





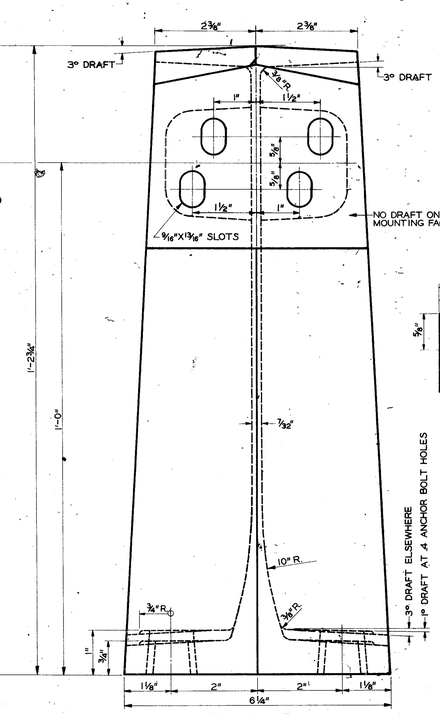
END RAIL DETAIL
SCALE: 6" = 1'-0"

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

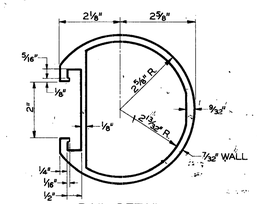


SIDE VIEW

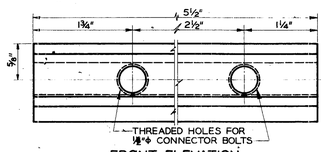
POST DETAILS



FRONT VIEW



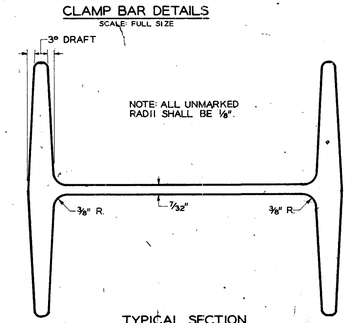
RAIL DETAIL
SCALE: 6" = 1'-0"



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. & END ATTACH.	H.W.C.	10-22-86
MAT'L. SPEC. & CLAMP BAR	J.T.K.	7-21-85
WASHER THICKNESS - FIN.	J.T.K.	11-19-85
MAT'L. SPEC. & INSERT ELEV.	J.T.K.	4-21-87
POST SP., PARAPET & SLEEVE	H.W.C.	9-29-94

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. Marrolo — BRIDGE ENGINEER
APPROVED M. Shadburn — STATE HIGHWAY ENGINEER

NUMBER 3626

THE LPA GROUP
TRANSPORTATION CONSULTANTS
A UNIT OF MICHAEL BAKER CORPORATION
3595 ENGINEERING DRIVE
NORCROSS, GEORGIA 30092
(770) 263-9118

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: INNOVATIVE PROGRAM DELIVERY
GEORGIA STANDARDS

DRAWING No. 41-012