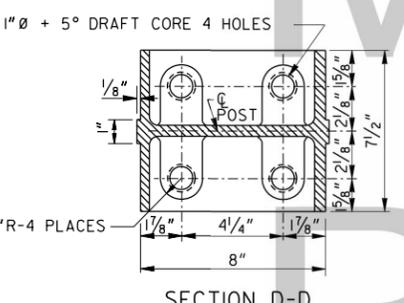
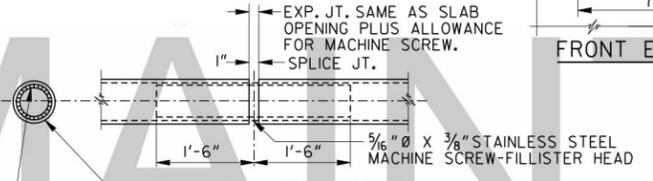


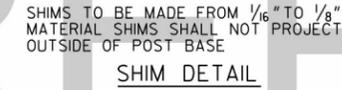
NOTE: RADII = 1/8" UNLESS OTHERWISE SHOWN.
 FILLETS = 1/4" UNLESS OTHERWISE SHOWN.
 ALL DRAFTS TO BE 3° UNLESS OTHERWISE SHOWN.



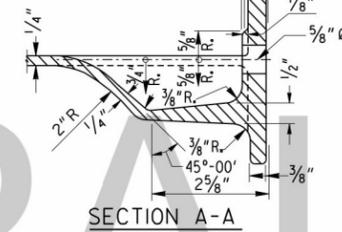
SECTION D-D



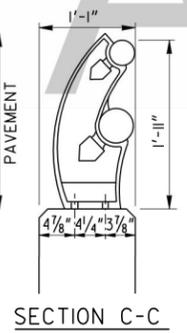
SPLICE JOINTS IN RAIL



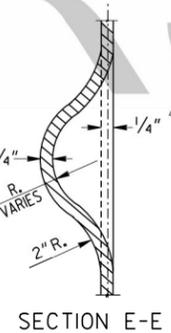
SHIM DETAIL



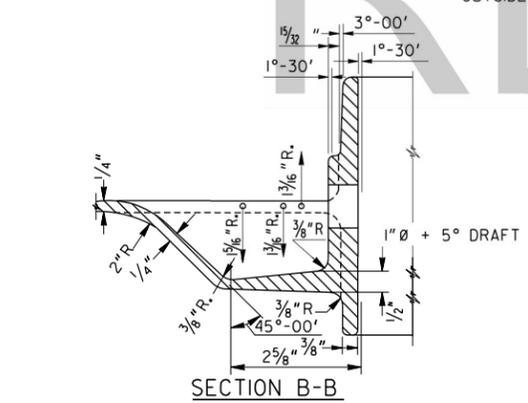
SECTION A-A



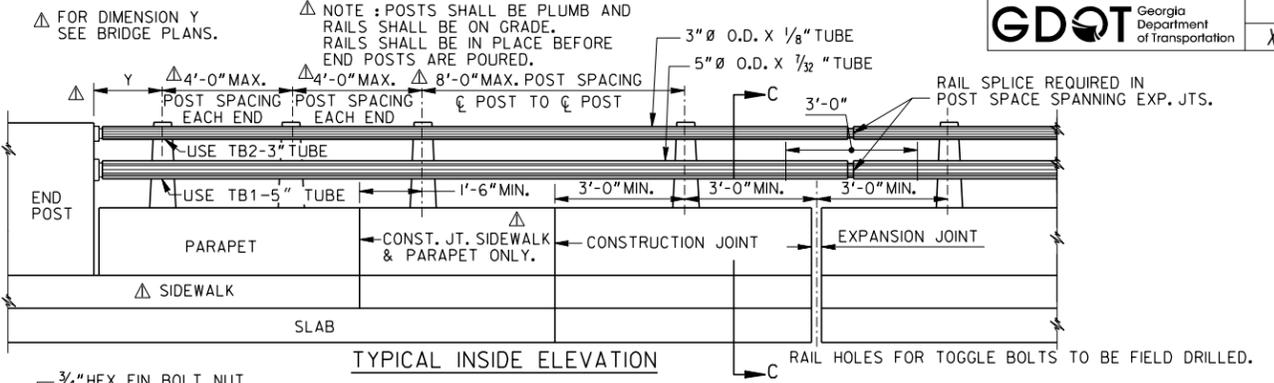
SECTION C-C



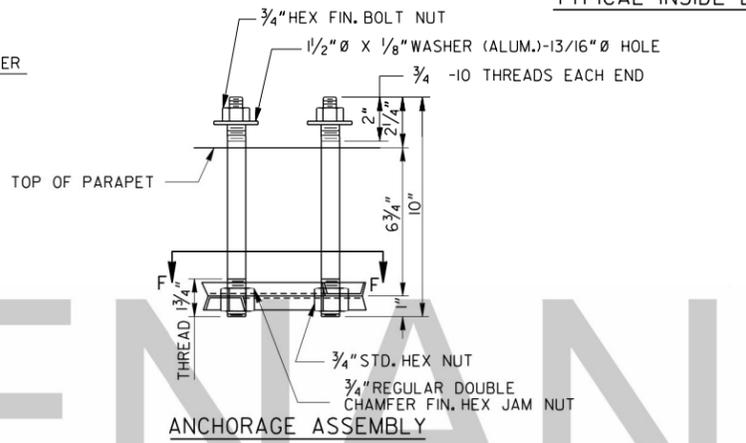
SECTION E-E



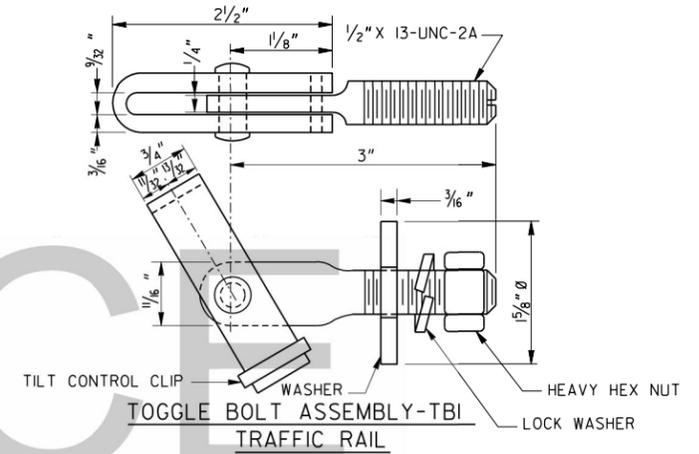
SECTION B-B



TYPICAL INSIDE ELEVATION

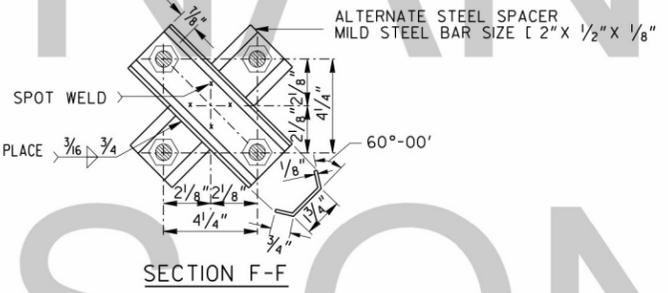


ANCHORAGE ASSEMBLY



TOGGLE BOLT ASSEMBLY-TBI TRAFFIC RAIL

MATERIAL FOR TOGGLE BOLT ASSEMBLY TB1 SHALL BE CARBON OR STAINLESS STEEL HAVING A MINIMUM ELONGATION OF 12%. ANY NON - STAINLESS COMPONENT TO BE EITHER GALVANIZED TO A.S.T.M. - A153 OR CADMIUM PLATED TO A.S.T.M. - A165, TYPE NS. REQUIRED MINIMUM TENSILE LOAD TO EQUAL 9000 LBS. WHEN IN OPEN POSITION AND TESTED THRU A 1" Ø HOLE. CONTRACTOR SHALL FURNISH THE ENGINEER WITH THE MANUFACTURER'S CERTIFICATION OF COMPLIANCE WITH THE ABOVE REQUIREMENTS.



SECTION F-F

GENERAL NOTES

SPECIFICATIONS - GEORGIA STANDARD. RAILING SHALL CONFORM TO HORIZONTAL AND VERTICAL ALIGNMENT. FOR HANDRAIL ON A HORIZONTAL CURVE THE RAILING SHALL CONFORM TO THE CURVE. POST SHALL BE NORMAL TO THE TOP OF THE PARAPET.

COST OF ANCHORAGE ASSEMBLY, TOGGLE ASSEMBLY, MACHINE SCREW, BRNG. PADS, SPLICE SLEEVES, AND SHIMS SHALL BE INCLUDED IN PRICE BID FOR RAILING.

RAILS SHALL BE CONTINUOUS OVER A MINIMUM OF 3 POSTS.

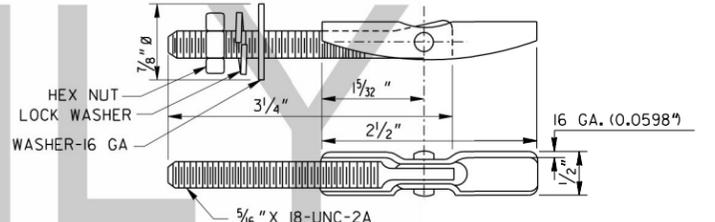
OUTER SURFACE OF POST FLANGES, EXCEPT BASE AND RAIL MOUNTING FACES, SHALL HAVE A NO. 36 GRIT FINISH. POSTS SHALL BE SEATED ON NEOPRENE BEARING PADS 1/16" MINIMUM THICKNESS, HAVING A NOMINAL DUROMETER HARDNESS OF 70. PADS SHALL CONFORM TO POST BASE DIMENSIONS.

ALUMINUM SHIMS MAY BE USED FOR ADJUSTING POST ALIGNMENT, MAXIMUM THICKNESS OF SHIM BUILD-UP NOT TO EXCEED 1/8". WHERE MORE TILTING OF THE POST IS REQUIRED, THE CONCRETE AREA SHALL BE GROUND DOWN.

POSTS SHALL BE CAST ALUMINUM. RAIL MEMBERS SHALL BE ALUMINUM EXTRUDED TUBE.

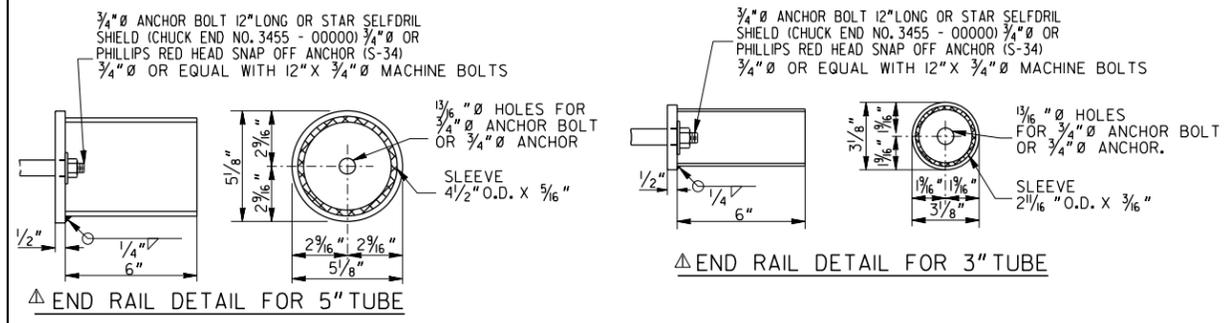
ANCHOR BOLTS TO BE SET NORMAL TO THE TOP OF THE PARAPET.

ITEM	MATERIAL
POST	ALUMINUM ALLOY-A444-T4
RAILING, SPLICE SLEEVE & END ATTACHMENT	A.S.T.M. B-221 ALLOY 6061 - T6
MACHINE SCREW	STAINLESS STEEL - A.S.T.M. A276 TYPE 316 CONDITION A
SHIM	A.S.T.M. B-209 ALLOY 1100-0
ANCHORAGE ASSEMBLY	ROD & NUT A.S.T.M. A-307 - GALV. STEEL - GALV. A.S.T.M. A-153 SPACER A.S.T.M. A-36 WASHER - A.S.T.M. B-209 ALCAD 2024 - T3
TOGGLE BOLT ASSEMBLY	FOR TB1 AND TB2 SEE DETAILS



TOGGLE BOLT ASSEMBLY-TB2 PEDESTRIAN RAIL

MATERIAL FOR TOGGLE BOLT ASSEMBLY TB2 SHALL BE CARBON OR STAINLESS STEEL HAVING A MINIMUM ELONGATION OF 12%. ANY NON-STAINLESS STEEL COMPONENT SHALL BE CADMIUM PLATED TO A.S.T.M. A-165, TYPE NS. REQUIRED MINIMUM TENSILE LOAD TO EQUAL 1000 LBS. WHEN IN AN OPEN POSITION AND TESTED THRU A 5/8" Ø HOLE. CONTRACTOR SHALL FURNISH THE ENGINEER WITH THE MANUFACTURER'S CERTIFICATION OF COMPLIANCE WITH THE ABOVE REQUIREMENTS.



END RAIL DETAIL FOR 3" TUBE

END RAIL DETAIL FOR 5" TUBE

DEPARTMENT OF TRANSPORTATION
 STATE OF GEORGIA

STANDARD
 TWO PIPE
 ALUMINUM HANDRAILING
 FOR MOUNTING ON BRIDGE PARAPETS

NOT TO SCALE REDRAWN JULY 2024 JULY 1968

DESIGNED G.C.L. (SUBMITTED) *R. L. Chapman*
 DRAWN S.R.R. (APPROVED) *H. J. Quaker*
 TRACED B.D.B.
 CHECKED G.C.L.

NUMBER 3632

REV. MAT'L. SPEC.	DATE
10-22-85	
REV. SP. & RAIL CONNECTION	11-1-74
REVISED MATERIAL FOR TOGGLE BOLT ASSEMBLY TB2	3-29-72
DELETE GALV. ON SPACER	9-19-69
ADD ALTERNATE END CAP	