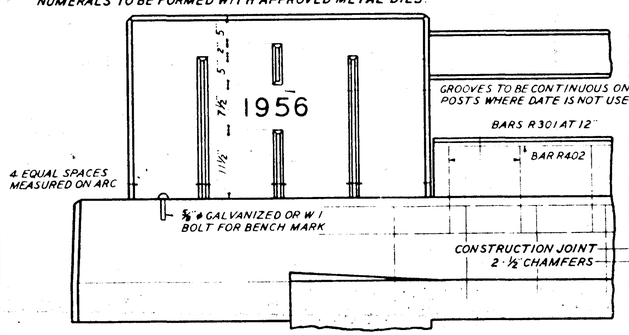
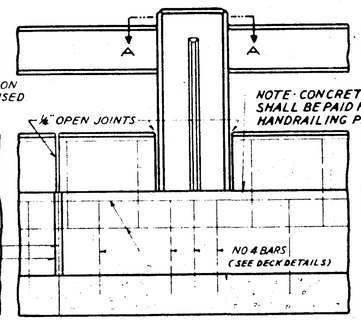
YEAR BUILT TO BE SHOWN ON INSIDE FACE OF EACH RIGHT HAND END POST.
NUMERALS TO BE FORMED WITH APPROVED METAL DIES.

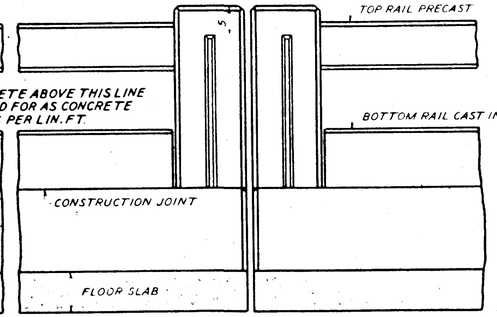


END POST

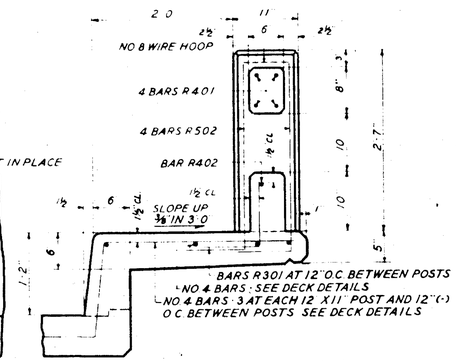


INTERMEDIATE POST

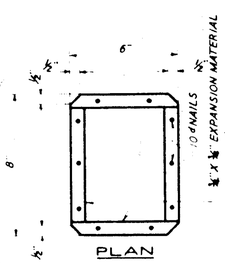
INSIDE ELEVATION



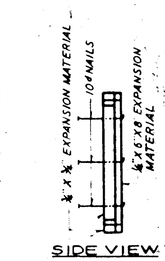
DOUBLE POST



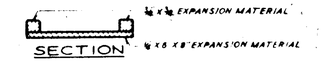
TYPICAL SECTION



PLAN



SIDE VIEW

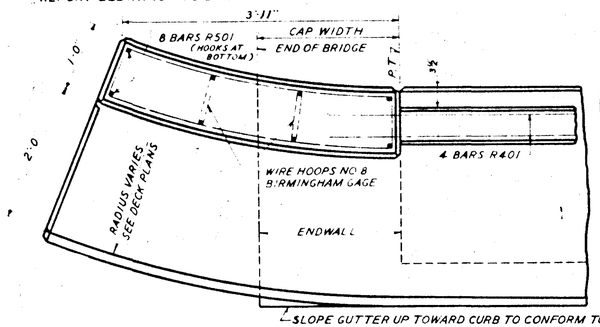


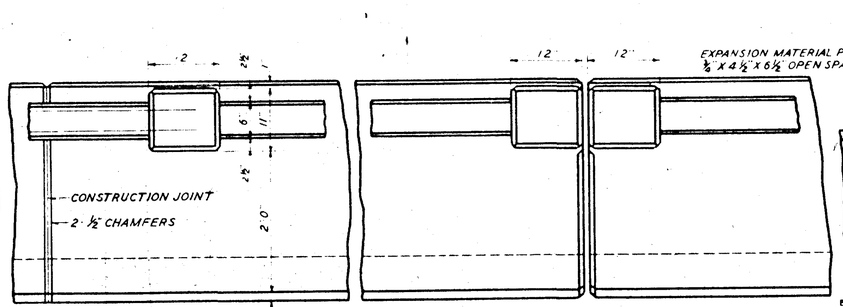
SECTION

DETAILS OF EXPANSION MATERIAL

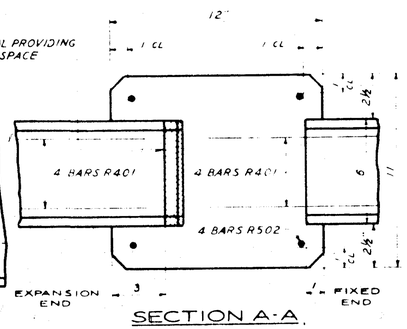
SCALE: 3" = 1'-0"

EMBED 5/8" ϕ GALVANIZED OR W.I. BOLT FOR PERMANENT BENCH MARK.
REPORT ELEVATION TO BRIDGE DEPARTMENT





PLAN



SECTION A-A

SCALE: 3" = 1'-0"

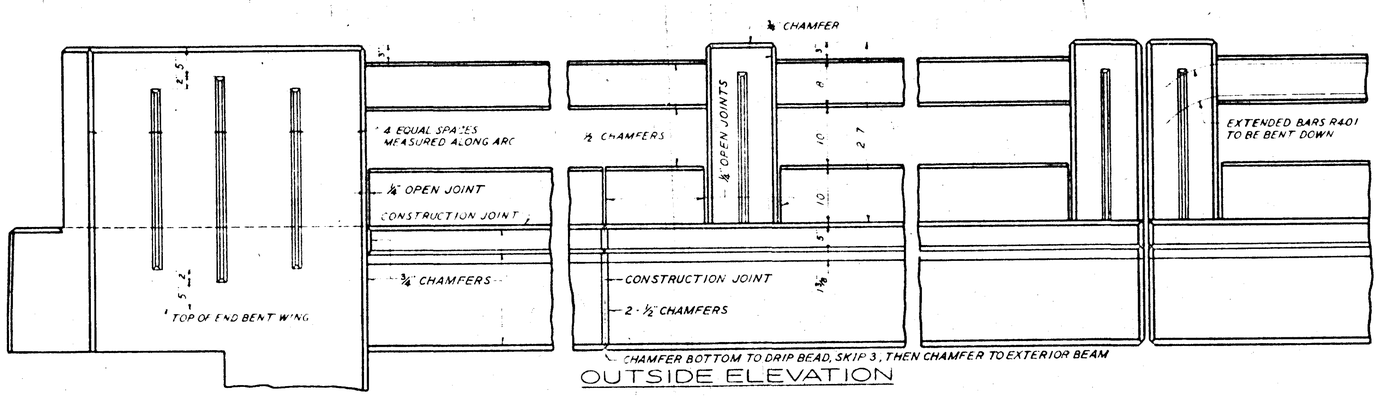
NOTE: EACH PRECAST RAIL SHALL HAVE ONE FIXED AND ONE EXPANSION END.

SPECIAL NOTE

BEFORE POURING RAIL BAR DRIVE TEN 10d NAILS 1 1/2" INTO END OF FORM AT EXPANSION END APPROXIMATELY AS SHOWN ON PLAN. AFTER RAIL IS REMOVED FROM FORMS, PAINT SURFACES BETWEEN END OF RAIL, 1/4" AND 1/2" EXPANSION MATERIALS, WITH ROOFING PITCH. DRIVE EXPANSION MATERIAL UP TIGHT TO END OF RAIL AND CLINCH NAILS. WRAP END OF RAIL WITH ONE LAYER OF THREE PLY ROOFING FELT FITTED SNUGLY TO ALL SURFACES AND CHAMFERS. PLACE RAIL IN POST FORMS SO THAT EXPANSION ASSEMBLY IS HELD IN PLACE AND EXERCISE CARE IN PLACING AND TAMPING POST CONCRETE SO THAT EXPANSION MATERIAL WILL NOT BECOME DISLODGED.

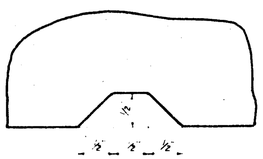
GENERAL NOTES

SPECIFICATIONS: GEORGIA STANDARD
CONCRETE SHALL BE CLASS "A".
REINFORCEMENT STEEL SHALL BE INTERMEDIATE GRADE AND CONFORM TO A.S.T.M. SPECIFICATION A305-50T. BAR DIMENSIONS ARE OUT TO OUT.
FIRST DIGIT OF BAR NUMBER IS BAR SIZE.
COST OF EXPANSION MATERIAL AND ANY OTHER INCIDENTAL ITEMS SHALL BE INCLUDED IN PRICES BID FOR CONTRACT ITEMS.
MAXIMUM SPACING OF POSTS SHALL BE 9'-0" FACE TO FACE.
POSTS SHALL BE SPACED TO PROVIDE EQUAL DISTANCES FACE TO FACE OF POSTS IN ANY ONE SPAN.
FINISH: POSTS, RAILS AND CURBS SHALL HAVE A RUBBED FINISH.
REFER ELEVATION OF PERMANENT BENCH MARK TO U.S. COAST AND GEODETIC DATUM PLANE WHEREVER POSSIBLE.



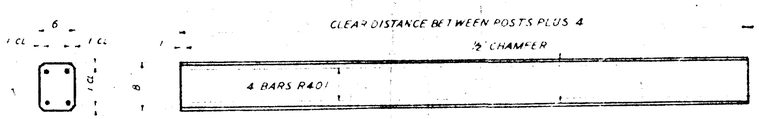
OUTSIDE ELEVATION

UNIT QUANTITIES FOR ESTIMATING PURPOSES ONLY		
UNIT	CONCRETE CU. YARD	REINF. STEEL POUNDS
ONE END POST	VARIES WITH RADIUS	APPROX. 42 LB.
ONE 12" X 11" POST	0.0877	18.20
ONE LIN. FT. OF RAILS	0.0278	4.00

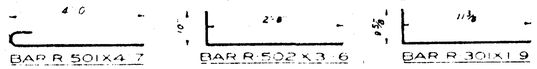


GROOVE DETAIL

FULL SIZE



DETAILS OF PRECAST RAIL



CLEAR DISTANCE BETWEEN POSTS + 1'-3" R401
CLEAR DISTANCE BETWEEN POSTS - 4" R402

STRAIGHT BARS R401 AND R402

STATE HIGHWAY DEPARTMENT OF GEORGIA
BRIDGE DEPARTMENT

STANDARD CONCRETE HANDRAILING AND 2'-0" SAFETY CURB FOR BRIDGES

SCALE: 1" = 1'-0" UNLESS NOTED — NOVEMBER 1956

DATE | REVISIONS | BY

DESIGNED E.E.L.
DRAWN E.E.L.
TRACED H.L.K.
CHECKED F.B.

SUBMITTED [signature] ASSISTANT ENGINEER
APPROVED [signature] STATE HIGHWAY ENGINEER

NUMBER 3616