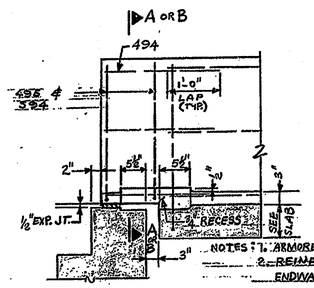
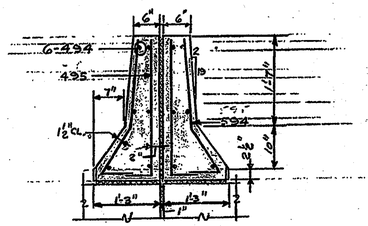
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	NHS-M001-00(167)	21	26

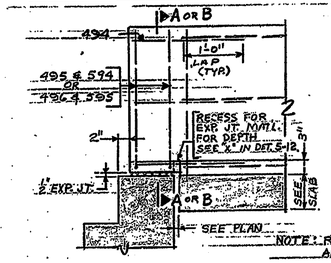


NOTES: 1. ARMORED JT. NOT SHOWN.
2. REINFORCING IN SLAB AND ENDWALL NOT SHOWN.

ELEVATION AT ARMORED JOINT

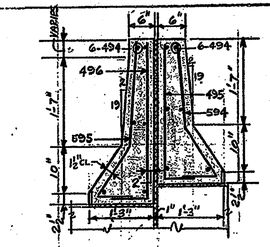


SECTION A-A
(FOR CONSTANT MEDIAN BARRIER)



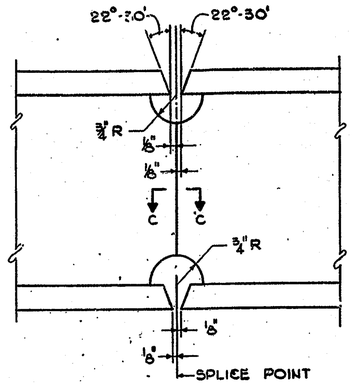
NOTE: REINFORCING FOR SLAB AND ENDWALL NOT SHOWN.

ELEVATION AT EXPANSION JOINT

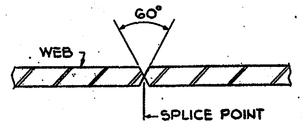


SECTION B-B
(FOR VARYING MEDIAN BARRIER)

MEDIAN BARRIER AT END OF BRIDGE – DETAIL 6-1



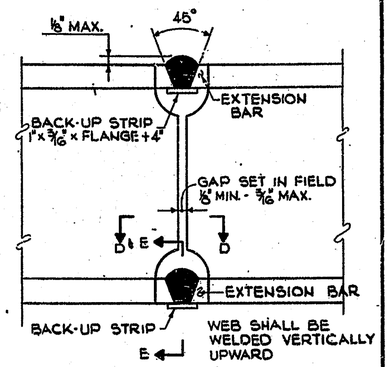
ELEVATION



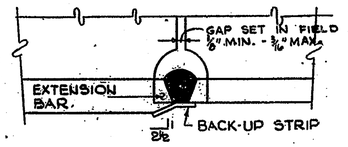
SECTION C-C

WHEN FLANGES OR WEBS OF DIFFERENT THICKNESSES ARE TO BE SPLICED, THEY SHALL BE PREPARED IN THE SHOP FOR A TRANSITION OF 1 IN 2½.

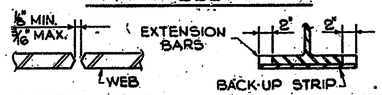
SHOP FABRICATION



ELEVATION



PART ELEVATION



SECTION D-D SECTION E-E

FIELD PROCEDURE

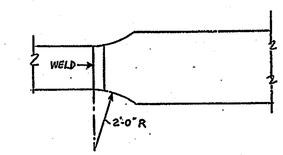
SEQUENCE OF WELDS: WEB FIRST, LOWER FLANGE SECOND, AND UPPER FLANGE LAST. USE TWIN ARC TECHNIQUE ON WEB AND LOWER FLANGE. BACKING STRIPS AND EXTENSION BARS SHALL BE USED ON WELDED SPLICES. BACKING STRIPS SHALL BE 1" x 5/16" x FLANGE PLUS 4". EXTENSION BARS SHALL BE 2" LONG AND SAME THICKNESS AS THE SMALLER FLANGE ON WHICH THEY ARE TO BE USED WITH THE SAME EDGE BEVEL AS THE FLANGE PLATE. AFTER COMPLETION OF THE SPLICE, REMOVE THE EXTENSION BARS AND BACKING STRIP, THEN GRIND FLANGE EDGE AND BOTTOM TO A SMOOTH FINISH.

CLEANING AND PAINTING OF WELD AREA AFTER WELDING, SHALL BE DONE IN ACCORDANCE WITH SPECIFICATIONS NOTED BELOW.

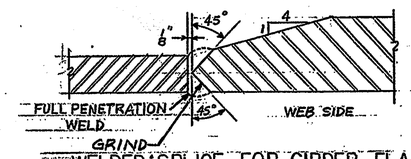
WORK MUST BE PROTECTED FROM MOISTURE, FROM ANY SOURCE, DURING WELDING AND AFTERWARDS, UNTIL PARTS WELDED HAVE COOLED TO ATMOSPHERIC TEMPERATURE. LEAVE WEB COPE HOLES OPEN.

FOR OTHER MINIMUM PREHEAT AND INTERPASS TEMPERATURE AND INFORMATION CONCERNING WELDED SPLICES, SEE SUPPLEMENTAL SPECIFICATIONS, SECTION 501.05, STEEL STRUCTURES. ONLY E70XX (EXCLUDING E7014 AND E7024) LOW HYDROGEN ELECTRODES SHALL BE USED FOR MANUAL SHIELD METAL ARC WELDING.

DETAIL 6-4 STANDARD BUTT WELDED SPLICES FOR ROLLED BEAMS

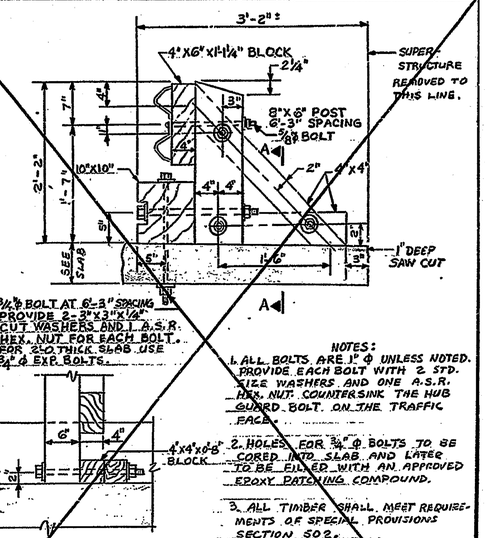


PLAN OF FLANGES



WELDED SPLICE FOR GIRDER FLANGES

DETAIL 6-6

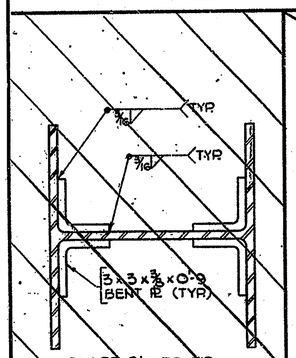


SECTION A-A

NOTES:
1. ALL BOLTS ARE 1" ϕ UNLESS NOTED. PROVIDE EACH BOLT WITH 2 STD. SIZE WASHERS AND ONE A.S.R. HEX. NUT. COUNTERSINK THE HUB GUARD BOLT ON THE TRAFFIC FACE.
2. HOLES FOR ¾" ϕ BOLTS TO BE CORED INTO SLAB AND LATER TO BE FILLED WITH AN APPROVED EPOXY PATCHING COMPOUND.
3. ALL TIMBER SHALL MEET REQUIREMENTS OF SPECIAL PROVISIONS SECTION 502.
4. FOR BEAM TYPE GUARD RAIL SEE GA. STD. NO. 401D.
5. ALL COST ASSOCIATED WITH TEMPORARY BARRIER RAIL SHALL BE INCLUDED IN PRICE BID FOR CONTRACT ITEMS.

VOID

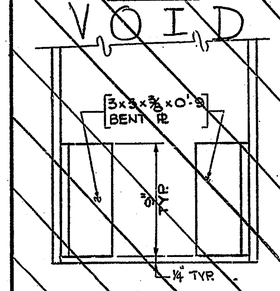
TEMPORARY BARRIER RAIL DETAIL 6-7



SHAPE PL'S TO FIT PILE FILLETS

PLAN

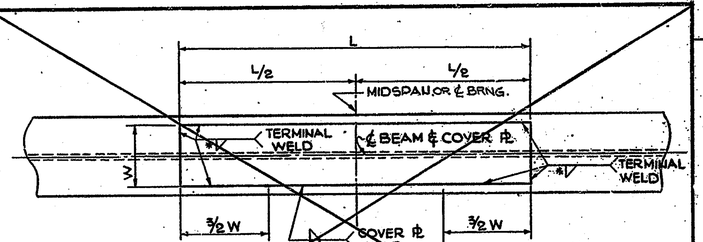
VOID



ELEVATION

PILE TIP REINFORCEMENT

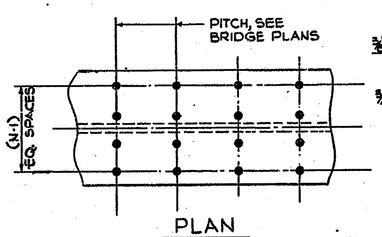
DETAIL 6-1



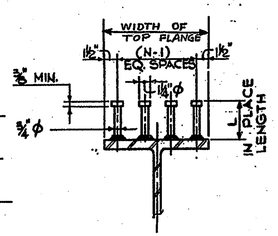
* COVER PLATE WELDS AND TERMINAL WELDS SHALL BE CONTINUOUS BOTH SIDES OF PLATE SHALL BE WELDED SIMULTANEOUSLY. COVER PLATE WELDS SHALL BE MADE FROM ℄ OUT. SEE BRIDGE PLANS FOR WELD SIZE.

COVER PLATE WELDING

DETAIL 6-2



PLAN



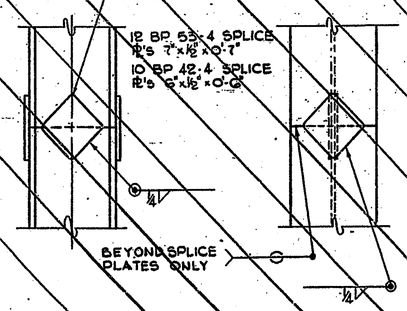
SECTION

STUD SHEAR CONNECTOR SHALL BE FULLY BUTT WELDED TO TOP FLANGE OF BEAM. FOR NUMBER OF STUD SHEAR CONNECTORS IN EACH ROW 'N' & 'L', SEE BRIDGE PLANS.

STUD SHEAR CONNECTORS

DETAIL 6-3

VOID



H-PILE SPLICE

DETAIL 6-5

PREHEAT SCHEDULE

TEMPERATURE	THICKNESS
150° F	UP TO 1½"
225° F	1½" TO 2½"
300° F	OVER 2½"

SEE PLAN SHEETS 18 AND 32 FOR TEMPORARY BARRIER DETAILS.

NOTE
THESE DETAILS ARE APPLICABLE ONLY WHERE CALLED FOR.

BRIDGE SHEET 17 OF 20

SIMECO JOB NO. 73 / 1123

BRIDGE SHEET 6 OF 6

REVISIONS | DATE | BY

SIMONS · EASTERN COMPANY
ATLANTA, GEORGIA

GEORGIA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION-BRIDGE DESIGN

DETAIL SHEET 6

BRIDGE NOS. 4 , 5 2+L & 25R

FULTON COUNTY I-FI-285-1(8488) CT. 3

SCALE: NONE DATE: JAN., 1974

DESIGNED L.R.H. TRACED: REVIEWED
DRAWN CHECKED R.S.F. APPROVED