

NOTES

ALL STRUCTURAL STEEL SHALL BE AASHTO M270 GRADE 345W AND PAINTED IN ACCORDANCE WITH SYSTEM 4 OF ARTICLE 442-7 OF THE STANDARD SPECIFICATIONS UNLESS OTHERWISE NOTED ON THE PLANS.

ALL DIMENSIONS SHOWN ARE HORIZONTAL OR VERTICAL, UNLESS OTHERWISE NOTED.

ALL FIELD CONNECTIONS TO BE 7/8" DIA. HIGH STRENGTH BOLTS UNLESS OTHERWISE NOTED.

BEARING STIFFENERS ARE TO BE PLACED NORMAL TO THE WEB OF THE GIRDER AND SHALL BE PLUMB.

SHOP SPLICES ARE PERMITTED TO LIMIT THE MAXIMUM REQUIRED FLANGE PIECE LENGTHS TO 60 FEET AND WEB PIECE LENGTHS TO 45 FEET. PERMITTED FLANGE AND WEB SHOP SPLICES SHALL NOT BE LOCATED WITHIN 15 FEET OF MAXIMUM DEAD LOAD DEFLECTION (NOR WITHIN 15 FEET OF INTERMEDIATE BEARINGS OF CONTINUOUS UNITS). KEEP 2 FEET MINIMUM BETWEEN WEB AND FLANGE SHOP SPLICES. KEEP 6" MINIMUM BETWEEN CONNECTOR PLATE OR TRANSVERSE STIFFENER WELDS AND WEB OR FLANGE SHOP SPLICES.

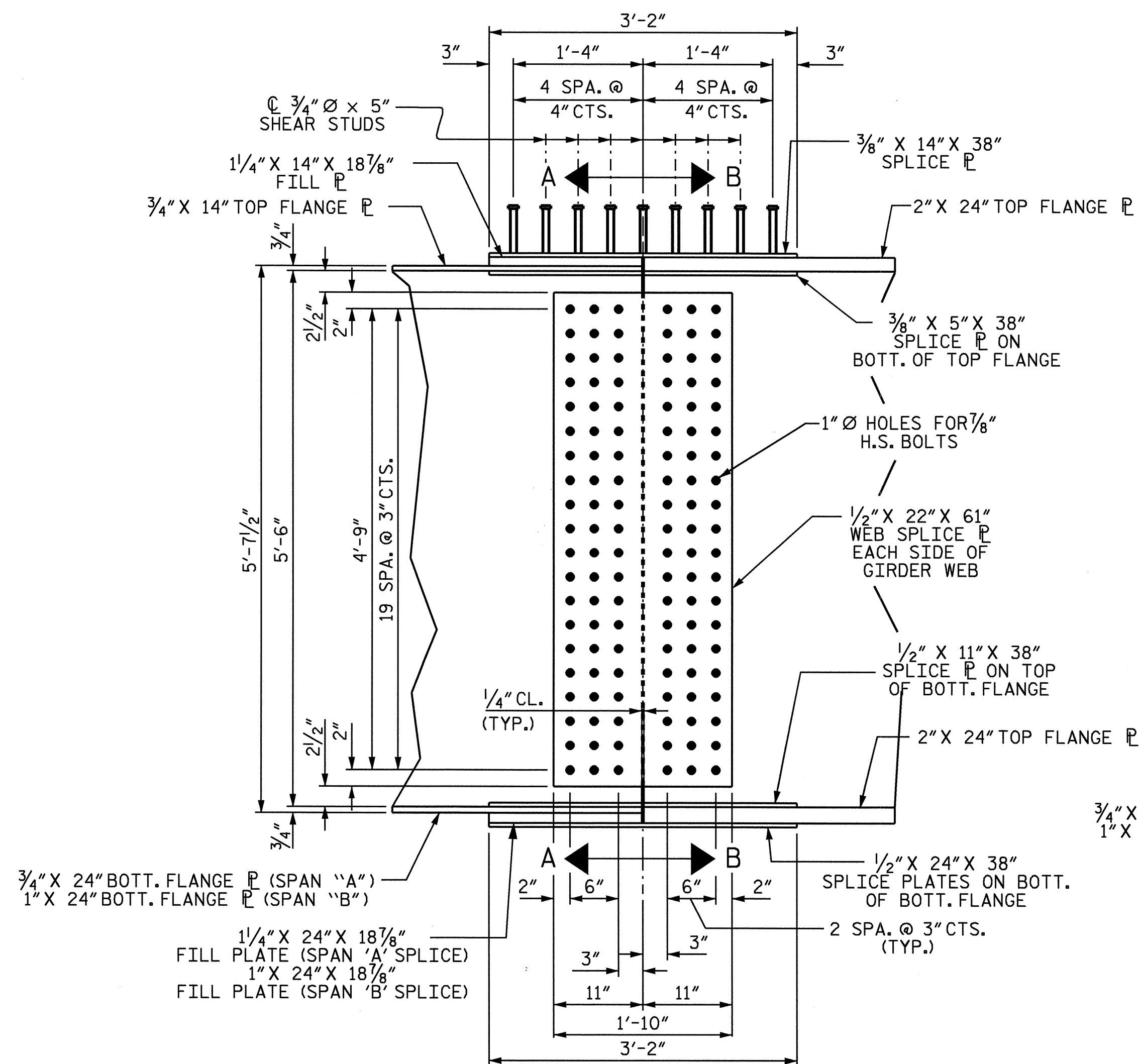
STUDS ON GIRDERS MAY BE SHIFTED UP TO 1" IF NECESSARY TO CLEAR FLANGE SPLICE WELD.

ENDS OF GIRDERS SHALL BE PLUMB.

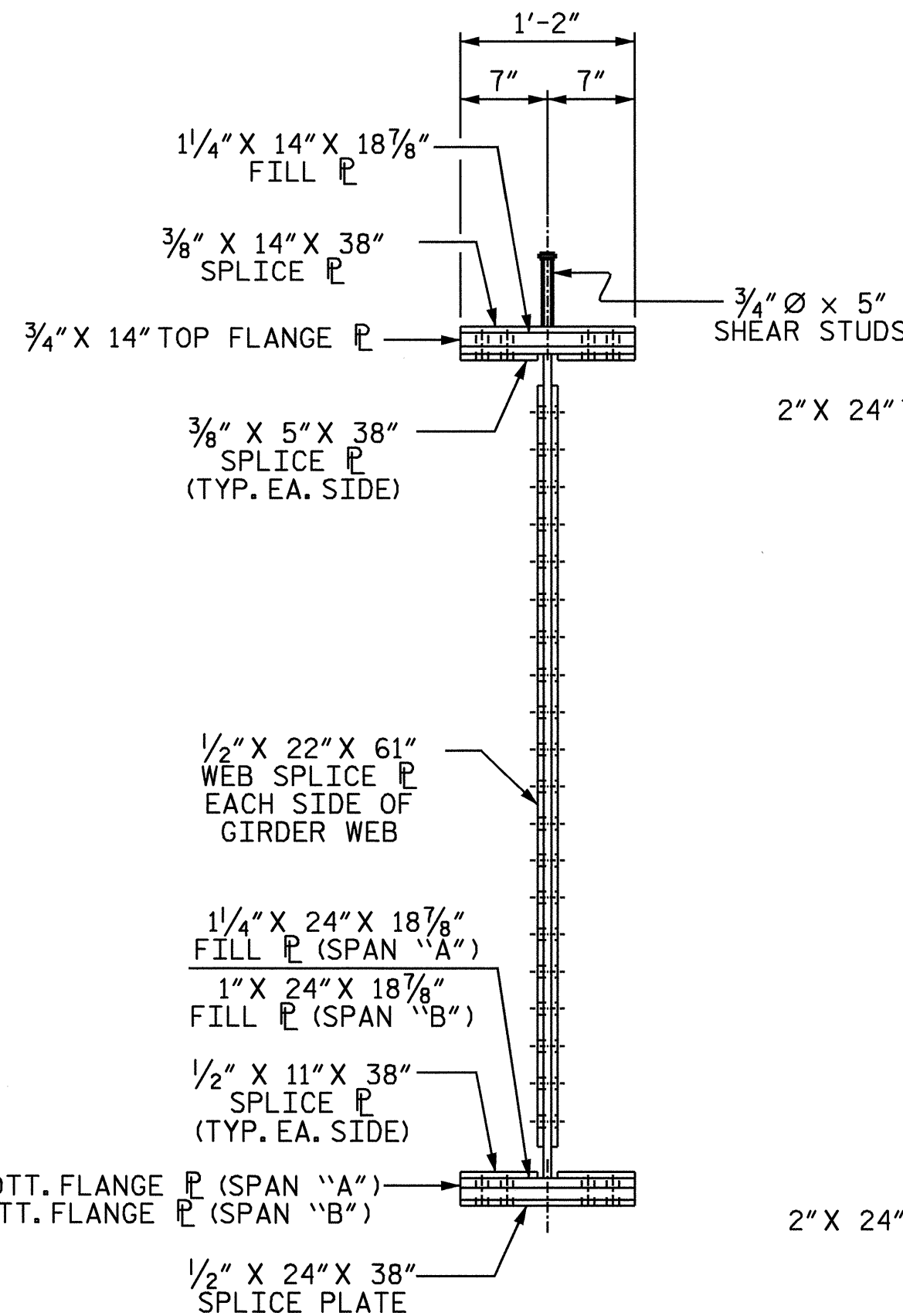
HEAT CURVING OF STEEL GIRDERS IS ALLOWED. SEE SPECIAL PROVISIONS.

THE CONTRACTOR SHALL MAINTAIN STABILITY OF THE CURVED GIRDERS UNTIL ALL BOLTED FIELD SPLICES AND DIAPHRAGM CONNECTIONS HAVE BEEN COMPLETED.

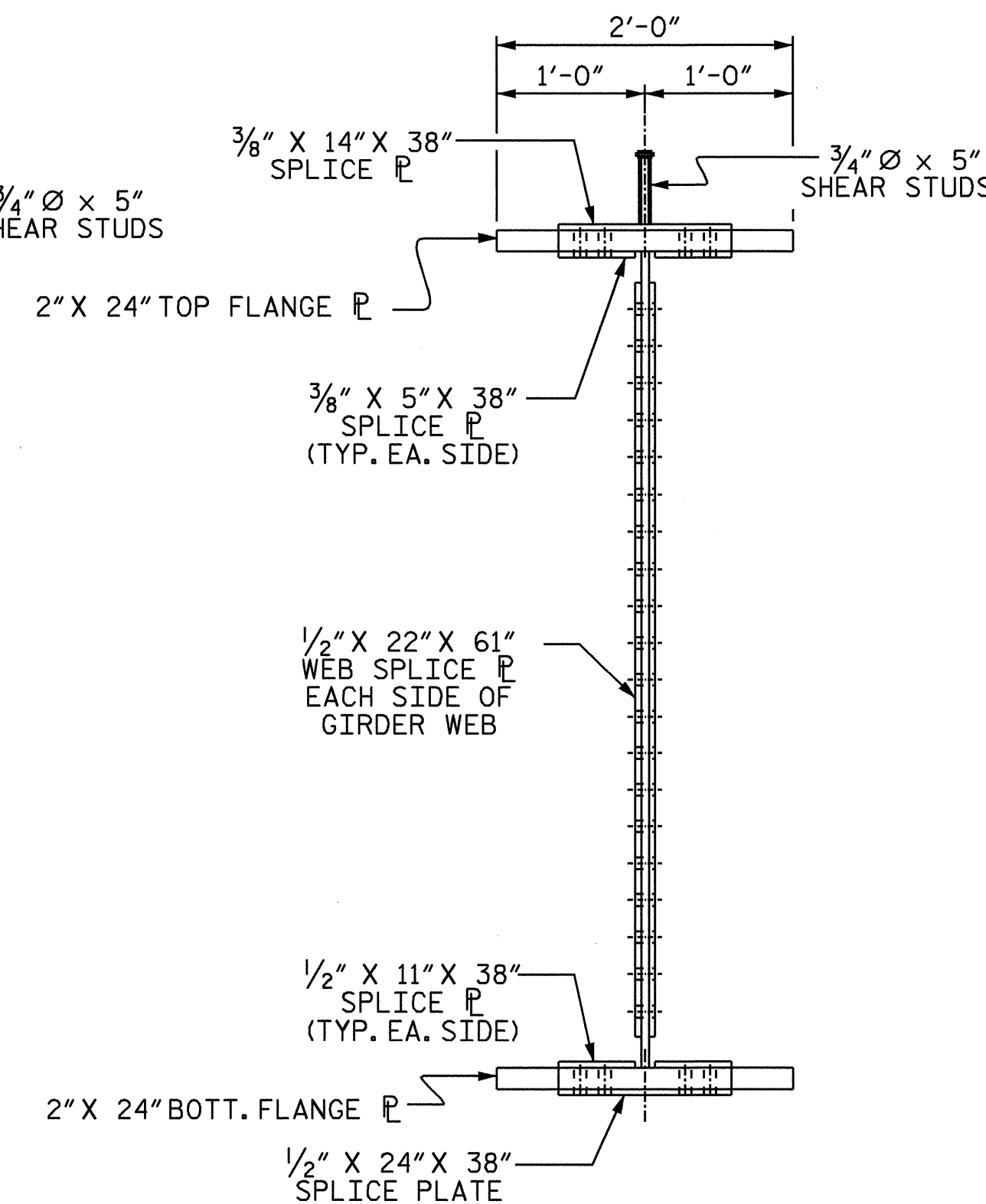
TENSION ON THE AASHTO M164 BOLTS SHALL BE CALIBRATED USING DIRECT TENSION INDICATOR WASHERS IN ACCORDANCE WITH ARTICLE 442-10 OF THE STANDARD SPECIFICATIONS.



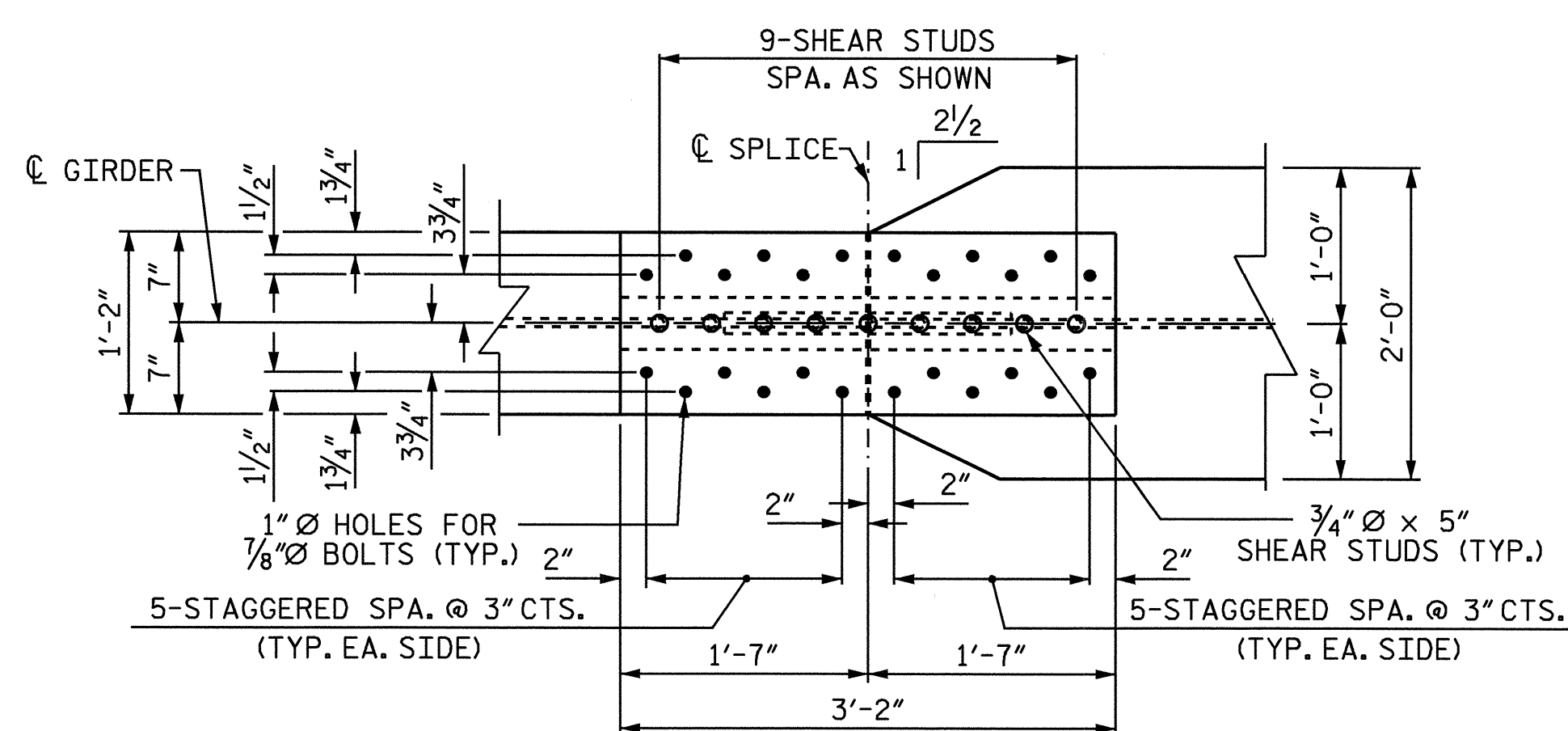
ELEVATION



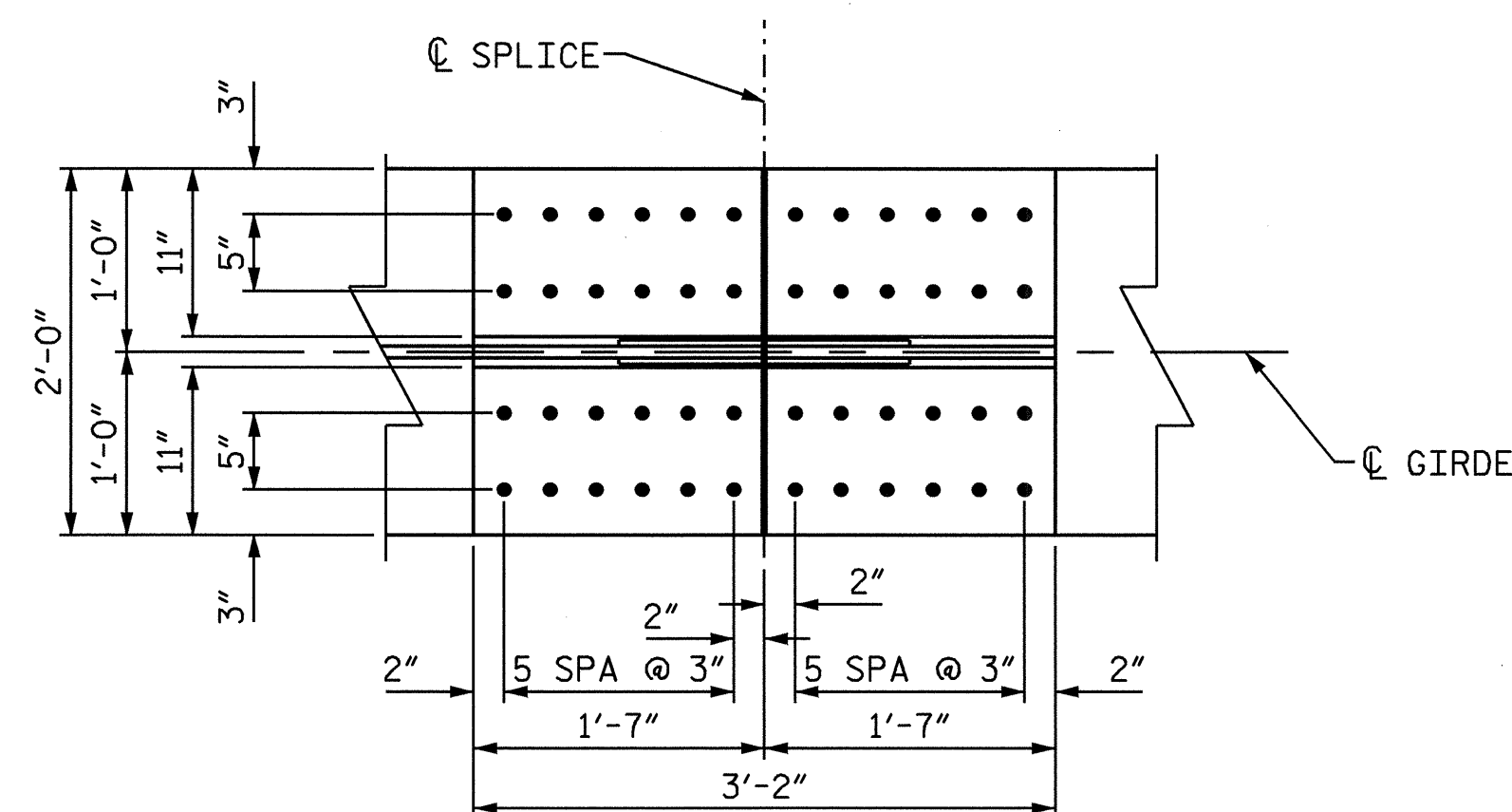
SECTION A-A



SECTION B-B



(PLAN OF TOP FLANGE)



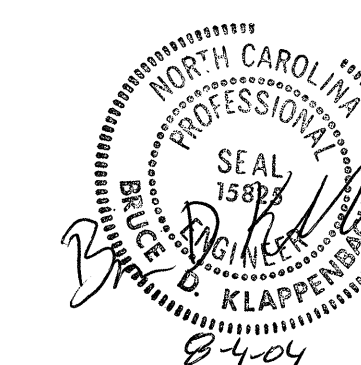
(PLAN OF BOTTOM FLANGE)

PROJECT NO. U-0620  
CUMBERLAND COUNTY  
STATION: 161+95.29 -L-

SHEET 4 OF 4

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

STRUCTURAL STEEL  
BOLTED FIELD SPLICE  
(RIGHT LANE)



DRAWN BY : M. S. SHAIKH DATE : 11-20-03  
CHECKED BY : D. A. GLADDEN DATE : 12-30-03

27-JUL-2004 09:11  
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bklappenbach

REVISIONS					SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

5-103  
TOTAL SHEETS  
129

STR #3