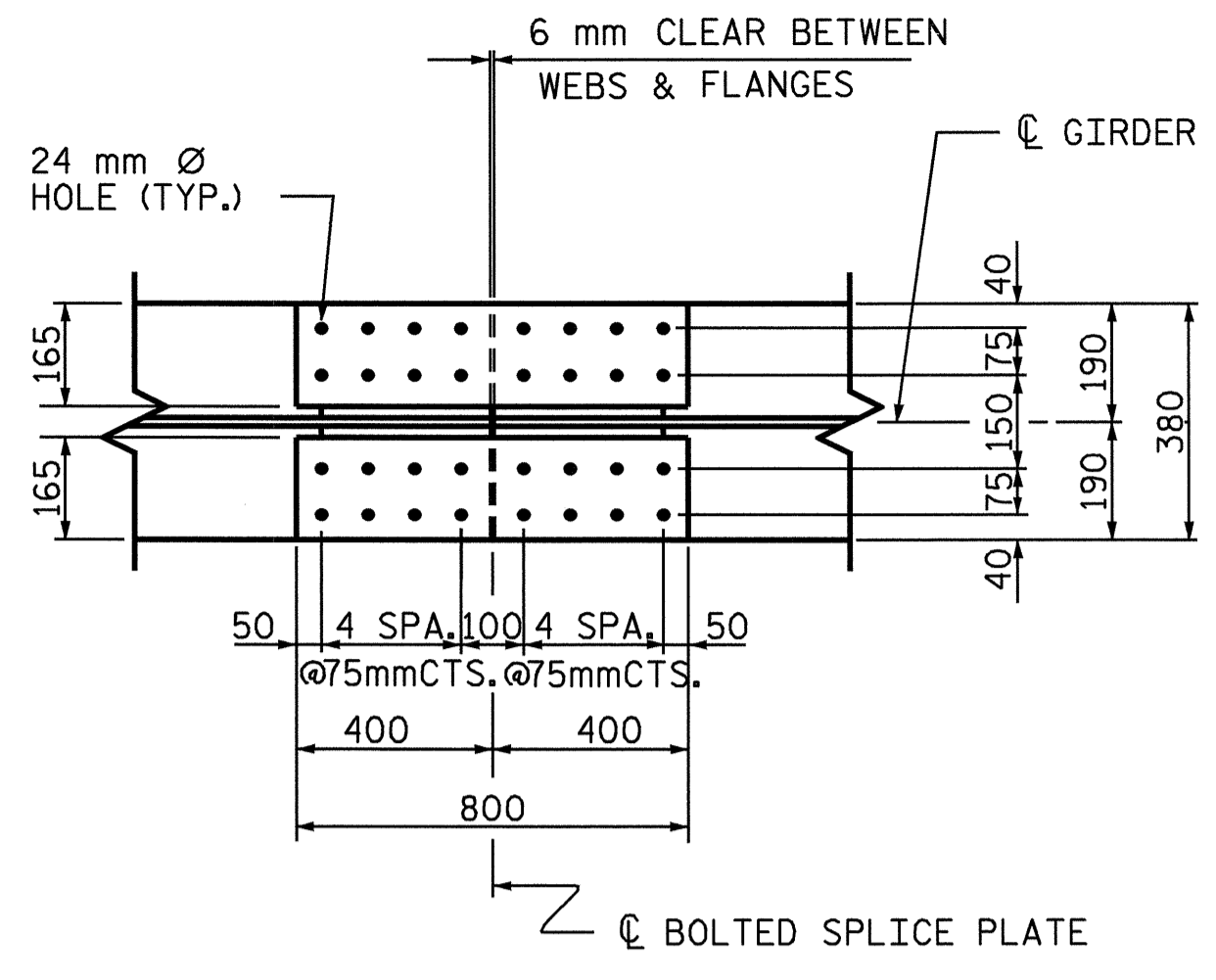


PLAN OF TOP FLANGE

TOP OF TOP FLANGE SHOWN
BOTTOM PLATE FOR BOTTOM FLANGE SIMILAR EXCEPT WITHOUT SHEAR STUDS.

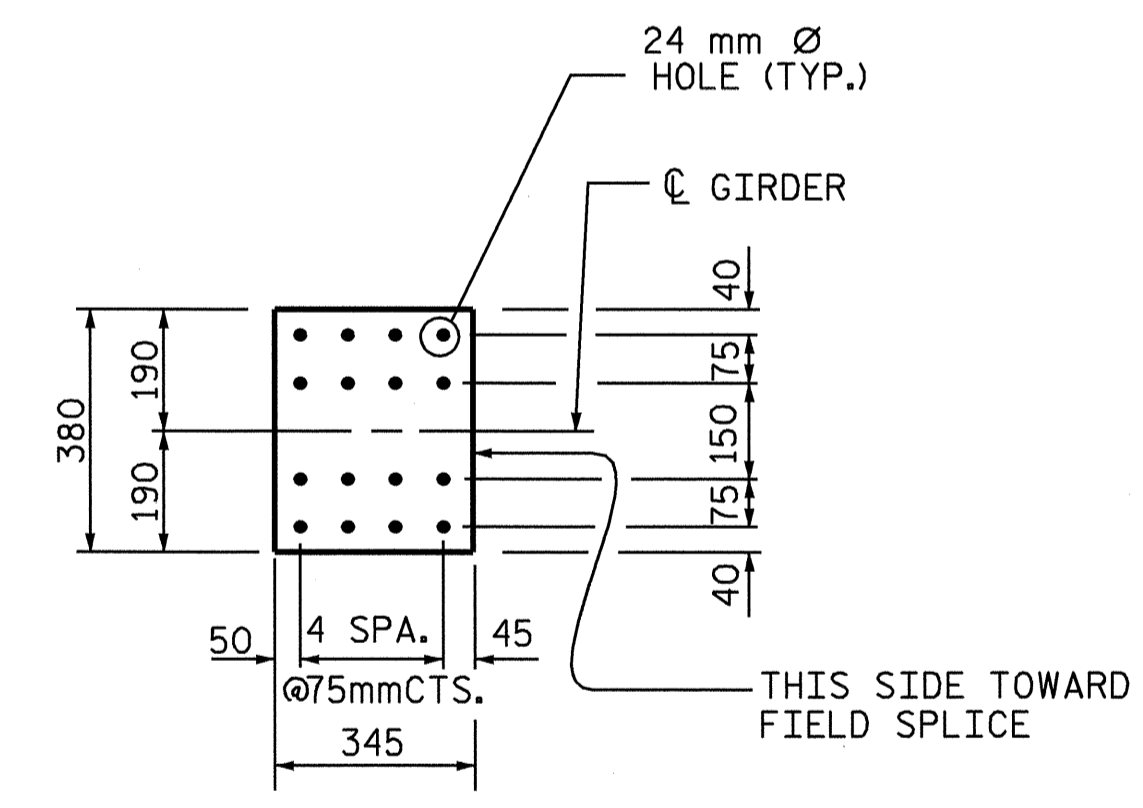
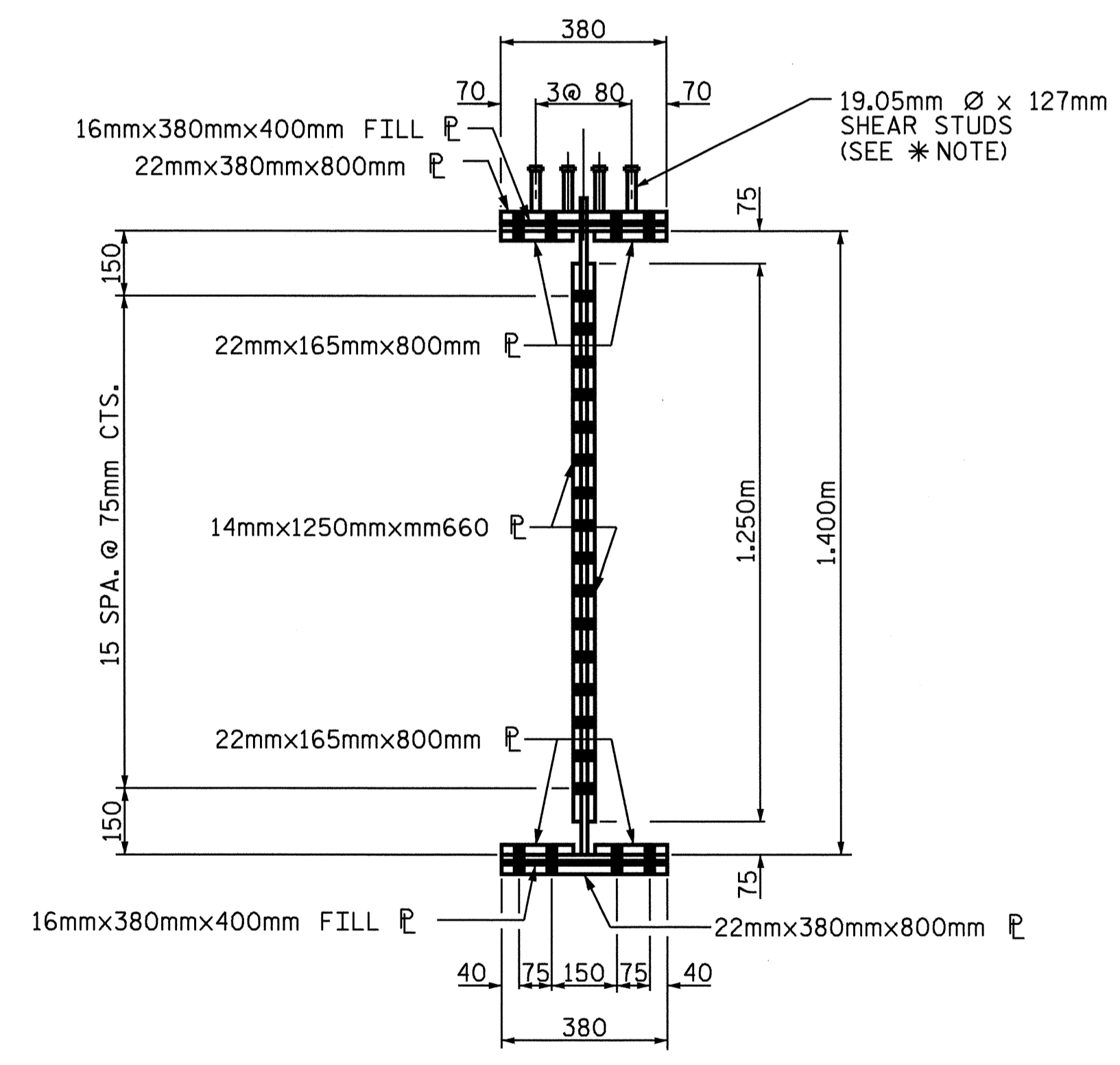
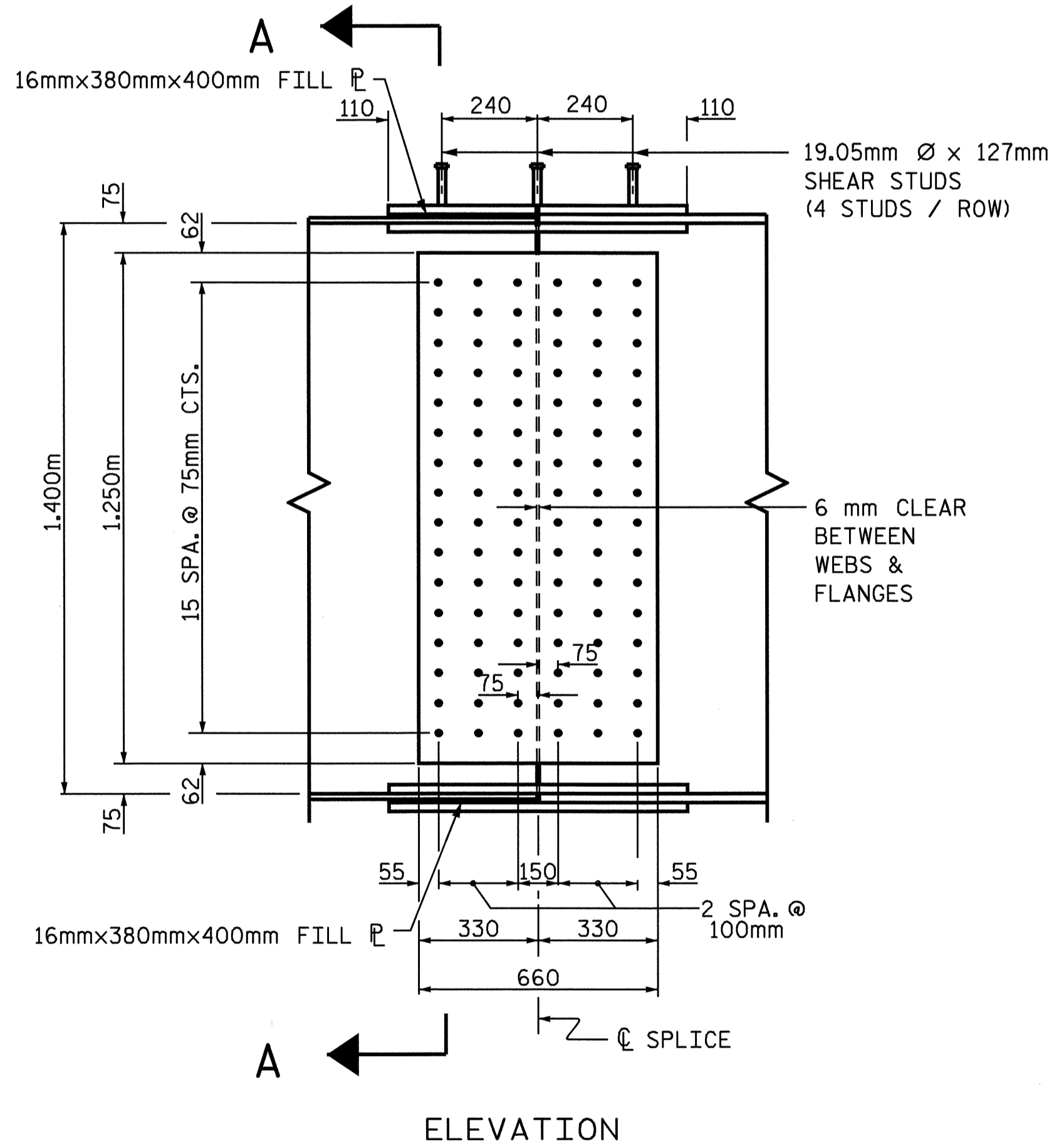


PLAN OF BOTTOM FLANGE

TOP OF BOTTOM FLANGE SHOWN
BOTTOM PLATES FOR TOP FLANGE SAME.

NOTES

- ALL STRUCTURAL STEEL SHALL BE AASHTO M270 GRADE 345(W) STEEL 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 22.23mm DIA. HIGH STRENGTH BOLTS UNLESS OTHERWISE NOTED.
- BEARING STIFFENERS ARE TO BE PLACED ALONG SKEW AT END BENTS 1 & 2 AND SHALL BE PLUMB.
- BEARING STIFFENERS ARE TO BE PLACED ALONG SKEW AT BENT 1 AND SHALL BE PLUMB.
- SHOP SPLICES ARE PERMITTED TO LIMIT THE MAXIMUM REQUIRED FLANGE PIECE LENGTHS TO 14 METERS AND WEB PIECE LENGTHS TO 14 METERS. PERMITTED FLANGE AND WEB SHOP SPLICES SHALL NOT BE LOCATED WITHIN 4.5 METERS OF MAXIMUM DEAD LOAD DEFLECTION (NOR WITHIN 4.5 METERS OF INTERMEDIATE BEARINGS OF CONTINUOUS UNITS). KEEP 600mm MINIMUM BETWEEN WEB AND FLANGE SHOP SPLICES. KEEP 150mm MINIMUM BETWEEN CONNECTOR PLATE OR TRANSVERSE STIFFENER WELDS AND WEB OR FLANGE SHOP SPLICES.
- STUDS ON GIRDERS MAY BE SHIFTED UP TO 25mm IF NECESSARY TO CLEAR FLANGE SPLICE WELD.
- ENDS OF BEAMS AND GIRDERS SHALL BE PLUMB.

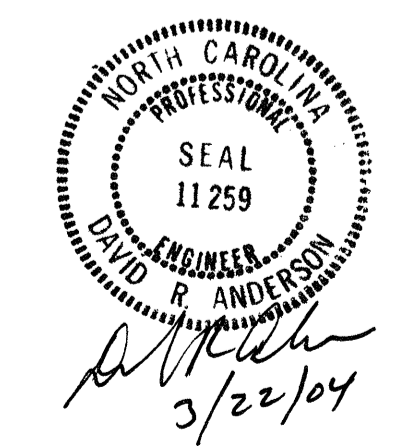


FILL PLATE
TOP AND BOTTOM PLATES SAME

BOLTED FIELD SPLICE DETAILS
(TYPICAL EACH FIELD SPLICE)

PROJECT NO. R-513C
ROBESON COUNTY
STATION: 318+10.648 -L-

SHEET 3 OF 3



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
SUPERSTRUCTURE
STRUCTURAL STEEL
DETAILS

REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	5-291	
1			3			TOTAL SHEETS	
2			4			312	

DRAWN BY: N. Q. TRAN DATE: JUN. 2001
CHECKED BY: T. A. WALTER DATE: 10-24-02