

NOTES

ALL STRUCTURAL STEEL SHALL BE AASHTO M270 GRADE 50W 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" Ø 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.

TENSION ON THE AASHTO M164 BOLTS SHALL BE CALIBRATED USING DIRECT TENSION INDICATOR WASHERS IN ACCORDANCE WITH ARTICLE 440-10 OF THE STANDARD SPECIFICATIONS.

END OF GIRDERS SHALL BE PLUMB.

BEARING STIFFENER MAY REQUIRE COPING IF WIDER THAN BOTTOM FLANGE TO AVOID INTERFERENCE WITH THE ANCHOR BOLT.

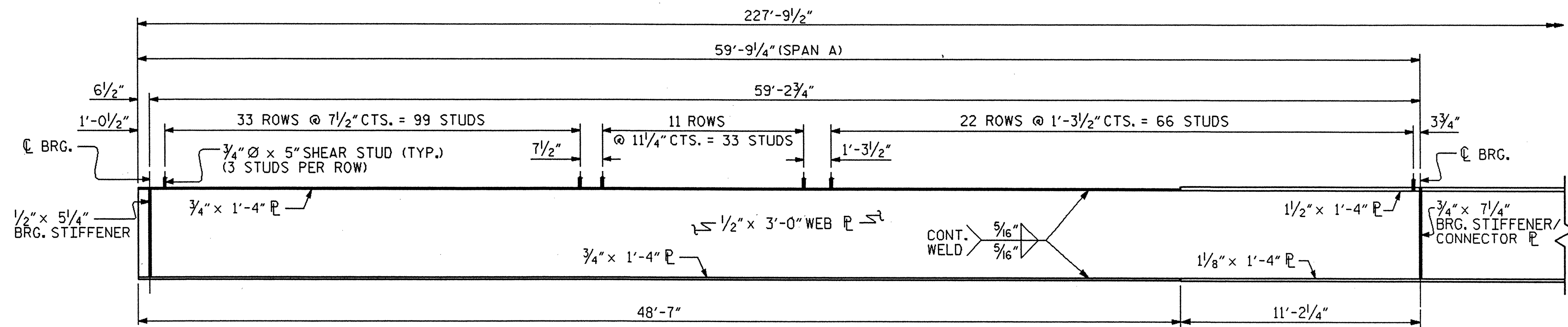
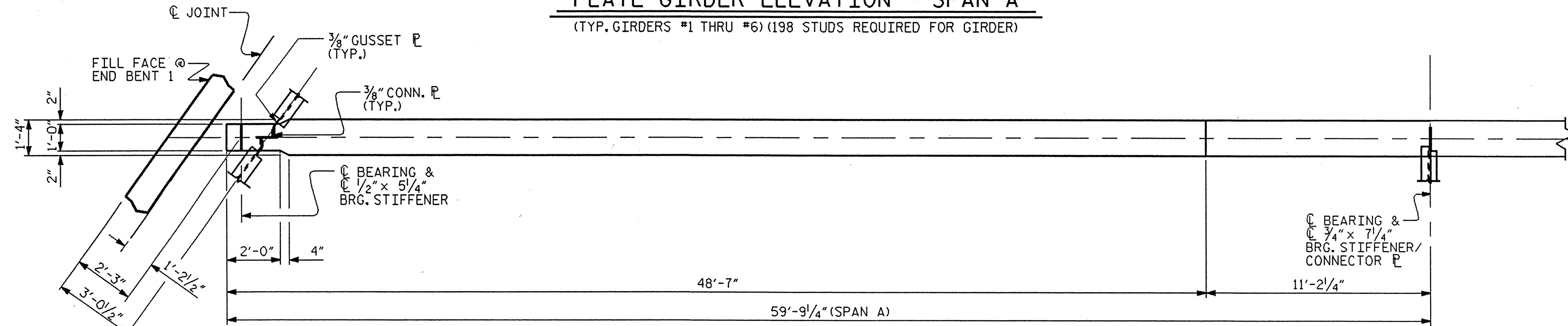


PLATE GIRDER ELEVATION - SPAN A
(TYP. GIRDERS #1 THRU #6) (198 STUDS REQUIRED FOR GIRDER)



BOTTOM FLANGE DETAIL - SPAN A
(TYP. GIRDER #1 THRU #6. INTERIOR GIRDERS SHOWN)

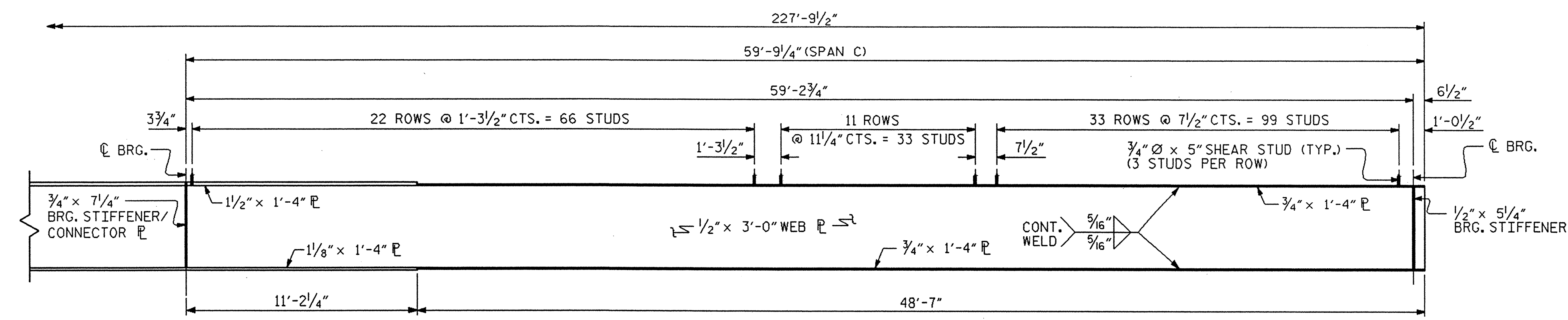
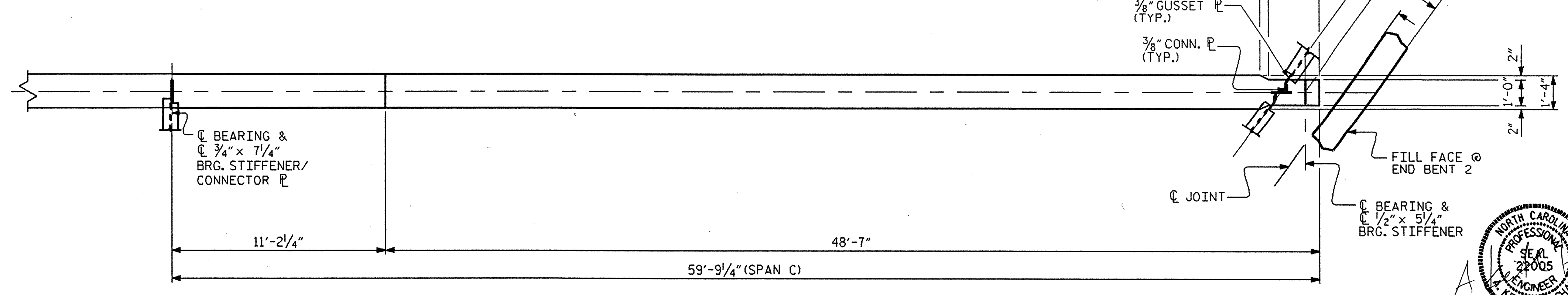
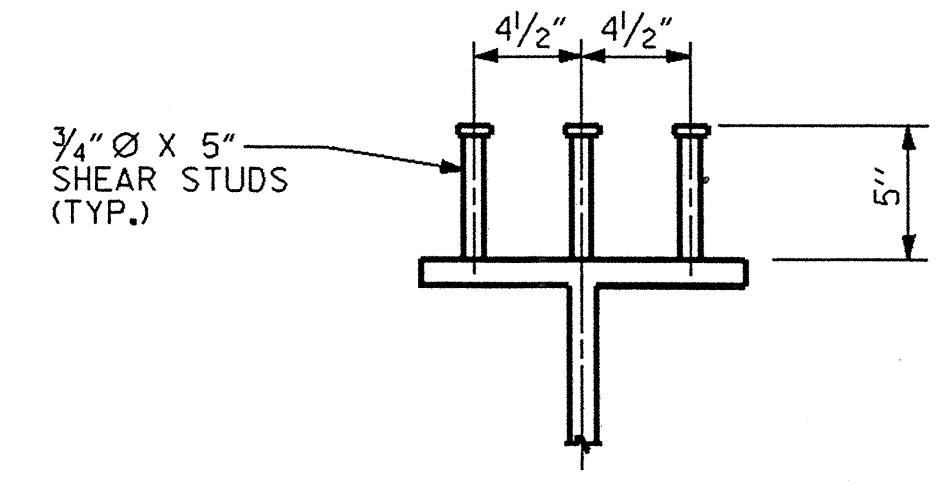


PLATE GIRDER ELEVATION - SPAN C
(TYP. GIRDERS #1 THRU #6) (198 STUDS REQUIRED FOR GIRDER)



BOTTOM FLANGE DETAIL - SPAN C
(TYP. GIRDER #1 THRU #6. INTERIOR GIRDERS SHOWN)



SHEAR STUD DETAILS

PROJECT NO. B-3681
NASH/EDGEcombe COUNTY
STATION: 18+89.64 -L-

SHEET 1 OF 4

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



DRAWN BY: A.M. KEETER DATE: 12/7/04
CHECKED BY: K.M. McCAULEY DATE: 3/8/05

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REVISIONS						SHEET NO.	
NO.	BY	DATE	NO.	BY	DATE	S-11	
1			3			TOTAL SHEETS	
2			4			36	