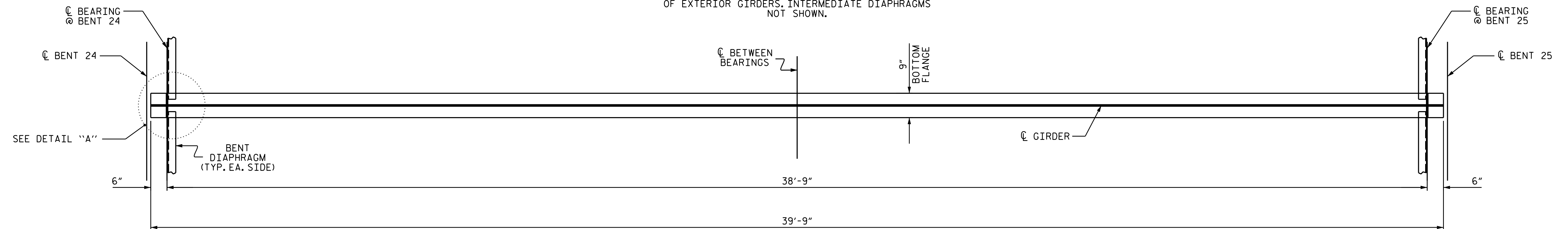


GIRDER ELEVATION

OMIT BEARING STIFFENER PLATE ON OUTSIDE OF EXTERIOR GIRDERS, INTERMEDIATE DIAPHRAGMS NOT SHOWN.



BOTTOM FLANGE DETAIL

NOTES

ALL STRUCTURAL STEEL SHALL BE AASHTO M270 GRADE 50 AND PAINTED IN ACCORDANCE WITH SYSTEM 1 OR 2 OF THE STRUCTURAL STEEL SHOP COATINGS PROGRAM AND SECTION 442-8 OF THE STANDARD SPECIFICATIONS UNLESS OTHERWISE NOTED ON THE PLANS. GIRDERS SHALL BE PAINTED THE ENTIRE GIRDER LENGTH. TOP COAT COLOR SHALL BE AMS STANDARD 595A COLOR #26622.

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.

BEARING STIFFENER MAY REQUIRE COPING IF WIDER THAN BOTTOM FLANGE.

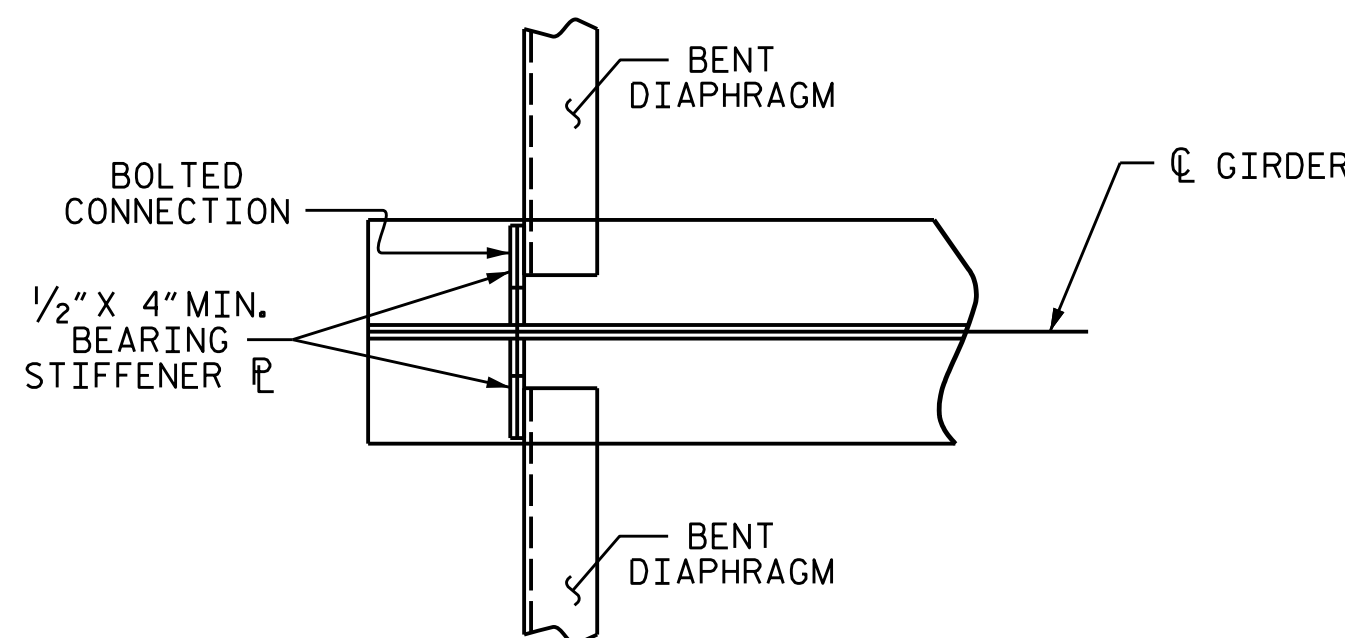
TENSION ON THE ASTM A325 BOLTS SHALL BE CALIBRATED USING DIRECT TENSION INDICATOR WASHERS IN ACCORDANCE WITH ARTICLE 440-8 OF THE STANDARD SPECIFICATIONS.

END OF GIRDERS SHALL BE PLUMB.

A CHARPY V-NOTCH TEST IS REQUIRED ON ALL GIRDER SECTIONS AND IN ACCORDANCE WITH ARTICLE 1072-7 OF THE STANDARD SPECIFICATIONS.

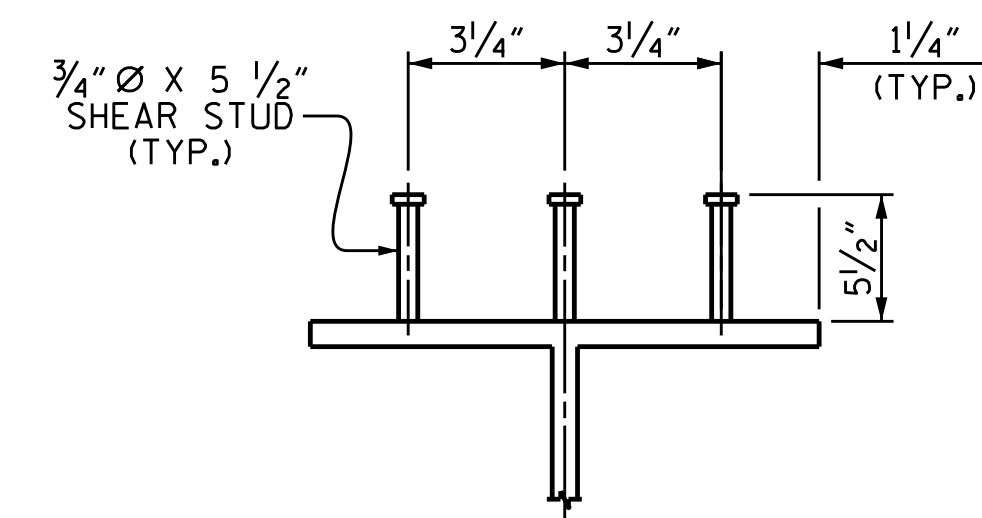
NEEDLE BEAM TYPE SUPPORTS ARE REQUIRED FOR THE OVERHANG FALSEWORK.

FABRICATORS SHALL DETAIL DIAPHRAGM MEMBERS AND CONNECTIONS FOR FULL DEAD LOAD FIT UP. GIRDERS SHALL BE PLUMB AFTER THE FULL AMOUNT OF DEAD LOAD IS APPLIED.



DETAIL "A"

(EACH END SIMILAR)

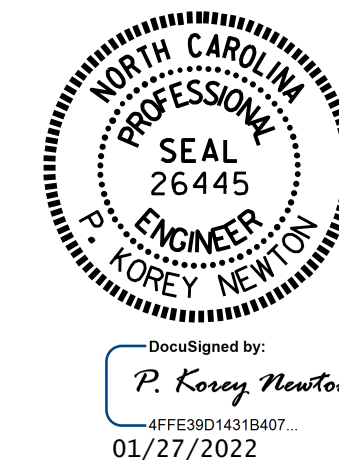


SHEAR STUD DETAIL

(TYP. EA. GIRDER)

PROJECT NO. 15BPR.56
BEAUFORT COUNTY
 BRIDGE: 060028

SHEET 1 OF 2



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUPERSTRUCTURE
 STRUCTURAL STEEL
 DETAILS
 (SPAN 25)

DRAWN BY : D. SHACKELFORD DATE : 12/2021
 CHECKED BY : M.K. BEARD DATE : 12/2021
 DESIGN ENGINEER OF RECORD: D. SHACKELFORD DATE : 12/2021

DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			S3-72
2			4			TOTAL SHEETS 78