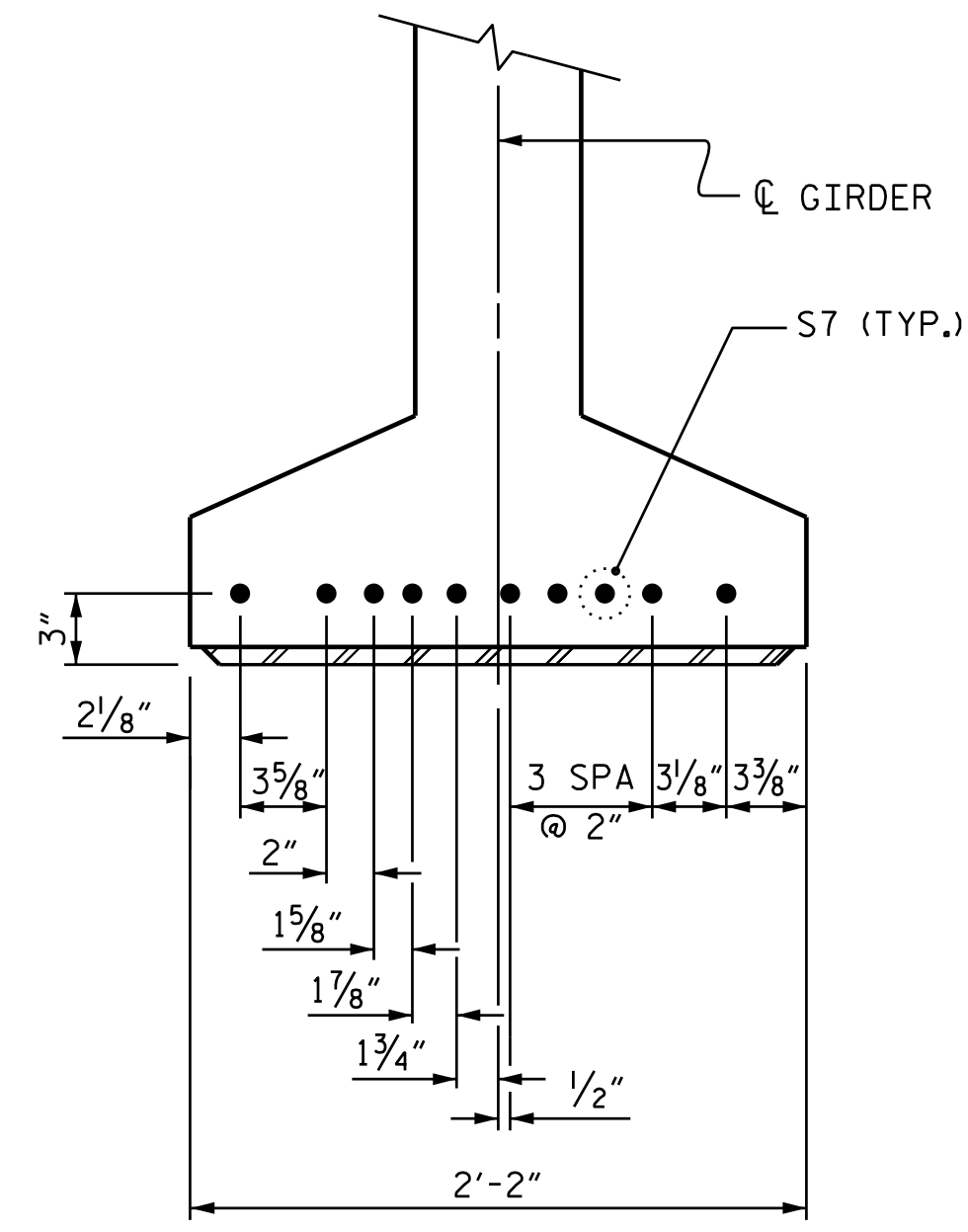


DEAD LOAD DEFLECTION TABLE

0.6" Ø LOW RELAXATION	SPAN A AND B											
	GIRDERS 1 & 8											
TENTH POINTS	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	0	
CAMBER (GIRDER ALONE IN PLACE)	↑ 0.0	0.067	0.127	0.174	0.204	0.215	0.204	0.174	0.127	0.067	0.0	
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓ 0.0	0.036	0.071	0.098	0.116	0.122	0.116	0.098	0.071	0.036	0.0	
FINAL CAMBER	↑ 0.0	3/8"	1 1/16"	1 5/16"	1 1/16"	1 1/8"	1 1/16"	1 5/16"	1 1/16"	3/8"	0.0	
GIRDERS 2, 3, 6, & 7												
TENTH POINTS	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	0	
CAMBER (GIRDER ALONE IN PLACE)	↑ 0.0	0.067	0.127	0.174	0.204	0.215	0.204	0.174	0.127	0.067	0.0	
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓ 0.0	0.037	0.073	0.102	0.120	0.126	0.120	0.102	0.073	0.037	0.0	
FINAL CAMBER	↑ 0.0	3/8"	5/8"	7/8"	1"	1 1/16"	1"	7/8"	5/8"	3/8"	0.0	
GIRDERS 4 & 5												
TENTH POINTS	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	0	
CAMBER (GIRDER ALONE IN PLACE)	↑ 0.0	0.067	0.127	0.174	0.204	0.215	0.204	0.174	0.127	0.067	0.0	
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓ 0.0	0.034	0.066	0.092	0.108	0.113	0.108	0.092	0.066	0.034	0.0	
FINAL CAMBER	↑ 0.0	3/8"	3/4"	1"	1 3/16"	1 3/16"	1 3/16"	1"	3/4"	3/8"	0.0	

* INCLUDES FUTURE WEARING SURFACE

ALL VALUES ARE SHOWN IN FEET (DECIMAL FORM), EXCEPT "FINAL CAMBER", WHICH IS GIVEN IN INCHES (FRACTION FORM).



DETAIL "C"

(FOR 63" MODIFIED BULB TEES)

NOTES

ALL PRESTRESSING STRANDS SHALL BE 7-WIRE LOW-RELAXATION GRADE 270 STRANDS AND SHALL CONFORM TO AASHTO M203 EXCEPT FOR SAMPLING REQUIREMENTS WHICH SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

ALL REINFORCING STEEL SHALL BE GRADE 60.

APPLY EPOXY PROTECTIVE COATING TO END OF GIRDER SURFACES INDICATED IN ELEVATION VIEW.

EMBEDDED PLATE "B-1" SHALL BE GALVANIZED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

ANCHOR STUDS SHALL CONFORM TO AASHTO M169 GRADES 1010 THROUGH 1020 OR APPROVED EQUAL, AND SHALL MEET THE TYPE "B" REQUIREMENTS OF SUBSECTION 7.3 OF THE ANSI/AASHTO/AWS D1.5 BRIDGE WELDING CODE.

AT ENDS OF GIRDERS TO BE EMBEDDED IN CONCRETE DIAPHRAGMS, PRESTRESSING STRANDS MAY EXTEND A MAXIMUM OF 2" BEYOND THE GIRDER ENDS. OTHERWISE, PRESTRESSING STRANDS SHALL BE CUT FLUSH WITH THE GIRDER ENDS.

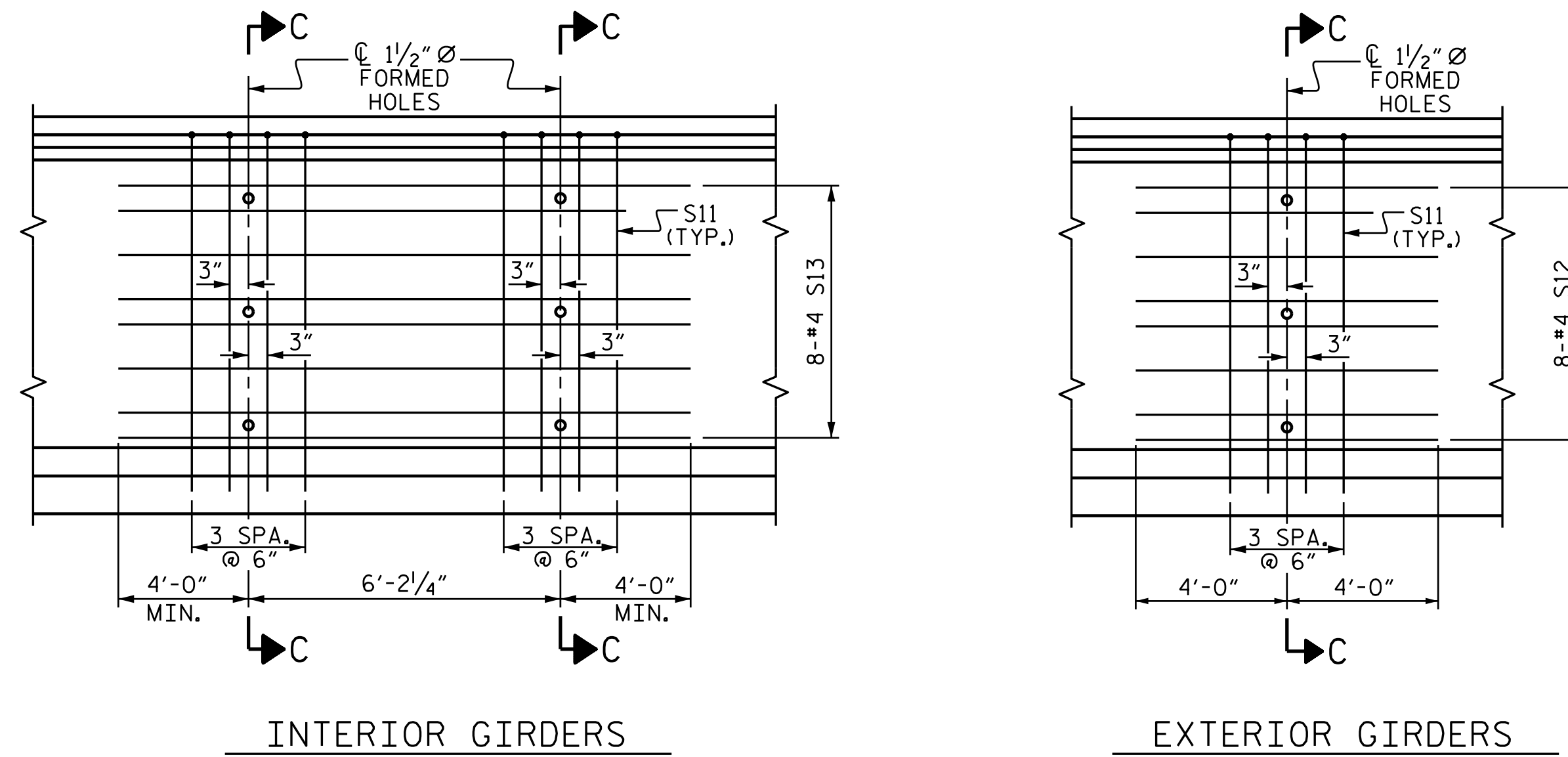
THE TRANSFER OF LOAD FROM THE ANCHORAGES TO THE GIRDER SHALL BE DONE WHEN CONCRETE HAS REACHED A COMPRESSIVE STRENGTH OF NOT LESS THAN 6200 PSI

DEPENDING ON THE TYPE OF SYSTEM USED TO SUPPORT THE DECK SLAB FORMS, PRESET ANCHORS MAY BE NECESSARY IN THE PRESTRESSED CONCRETE GIRDER.

THE TOP SURFACE OF THE GIRDER, EXCLUDING THE OUTSIDE 4", SHALL BE RAKED TO A DEPTH OF 1/4".

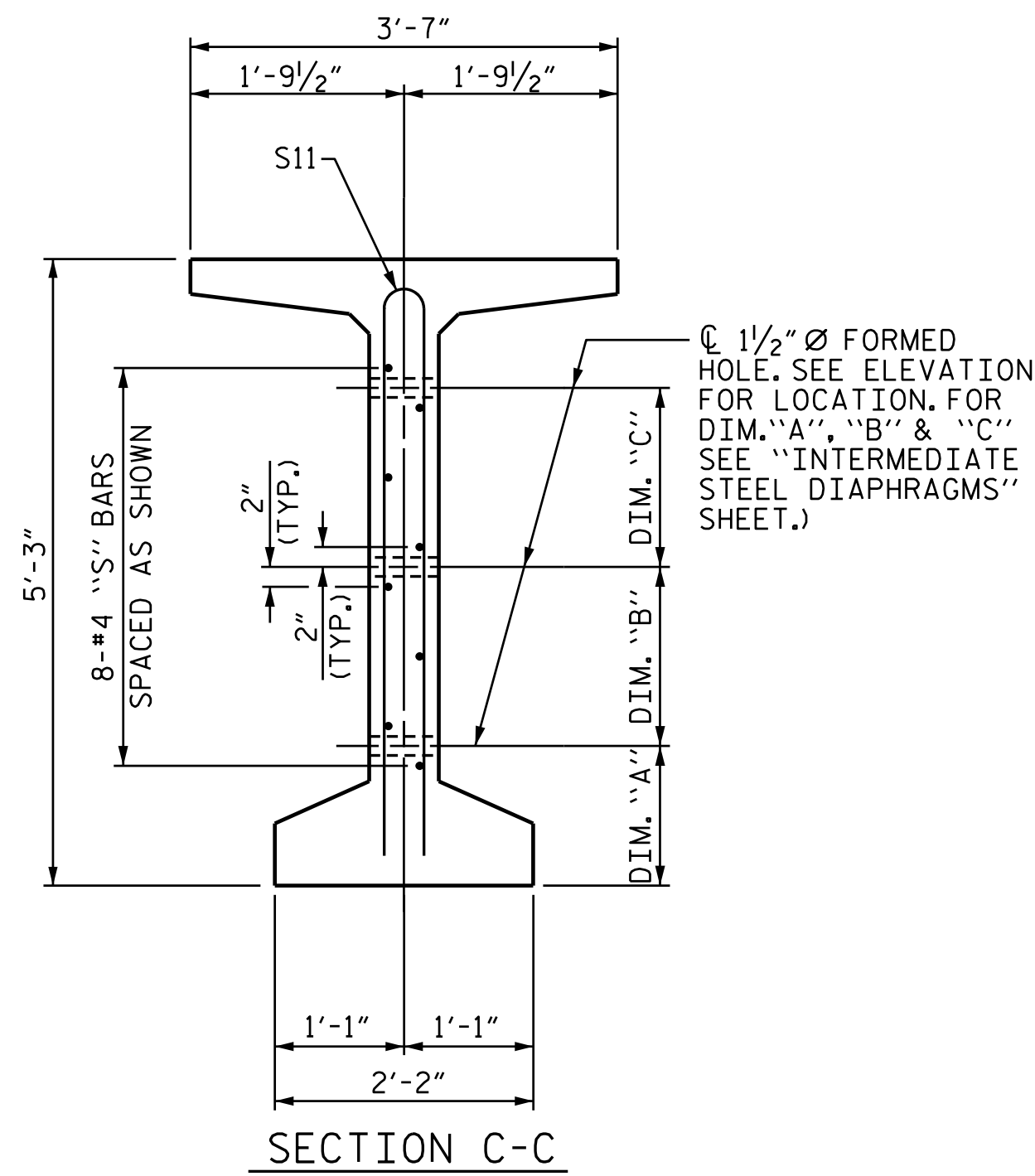
A 2" x 2" CHAMFER IS ALLOWED AT THE INTERSECTION OF THE WEB AND THE BOTTOM FLANGE OF THE 63" MODIFIED BULB TEES ONLY.

THE CONTRACTOR HAS THE OPTION TO PROVIDE, AT NO ADDITIONAL COST TO THE DEPARTMENT, 2 ADDITIONAL STRANDS AT THE TOP OF THE GIRDER TO FACILITATE TYING OF THE REINFORCING STEEL. THESE STRANDS SHALL BE PULLED TO A LOAD OF 4500 lbs.



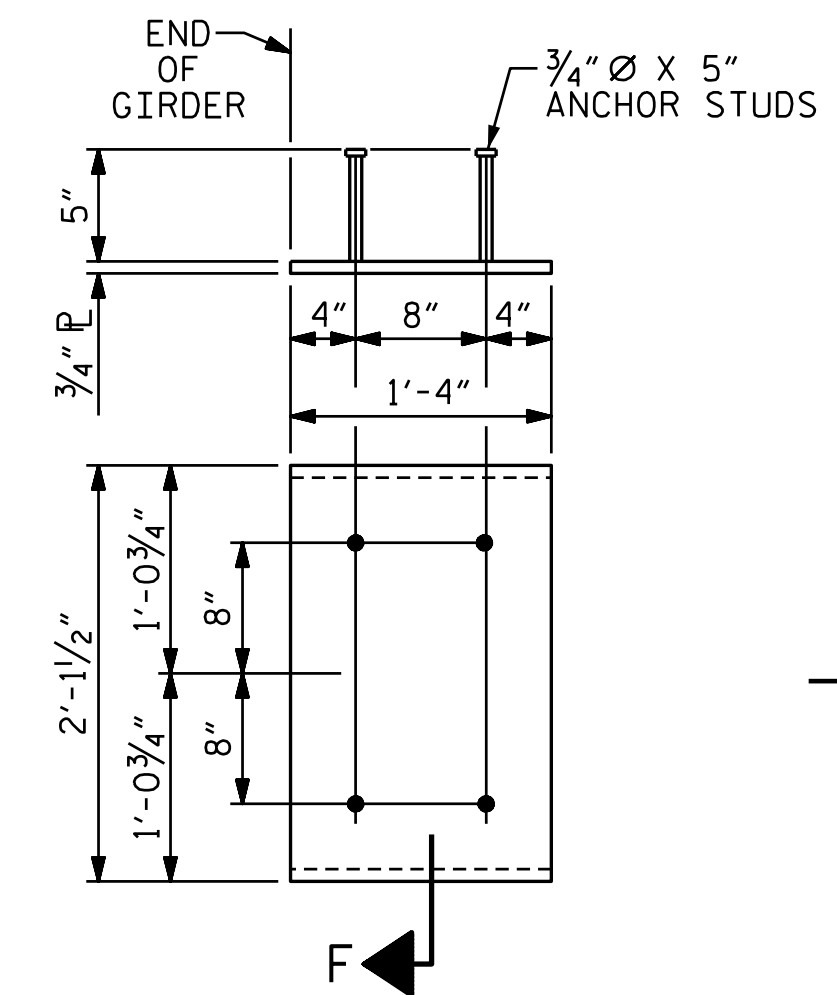
PARTIAL ELEVATION

SHOWING INTERMEDIATE DIAPHRAGM REINFORCING STEEL FOR GIRDERS



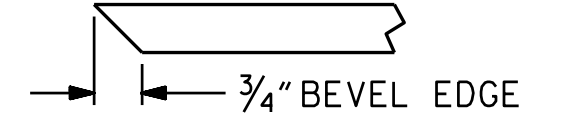
SECTION C-C

(S1, S6 AND S9 BARS NOT SHOWN)



EMBEDDED PLATE "B-1" DETAILS

(2 REQ'D PER GIRDER)



SECTION "F"

(SEE NOTES)

PROJECT NO. U-2525C
GUILFORD COUNTY
 STATION: 28+98.81 -Y4-

SHEET 2 OF 3

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

PRESTRESSED CONCRETE GIRDER
 CONTINUOUS FOR LIVE LOAD
 DETAILS

REVISIONS

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

SHEET NO.

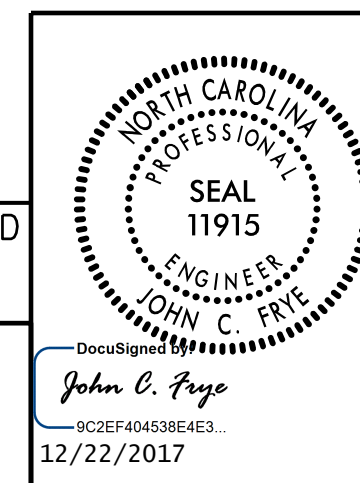
S6-12

TOTAL SHEETS

34

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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 LICENSE NO. F-0669



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