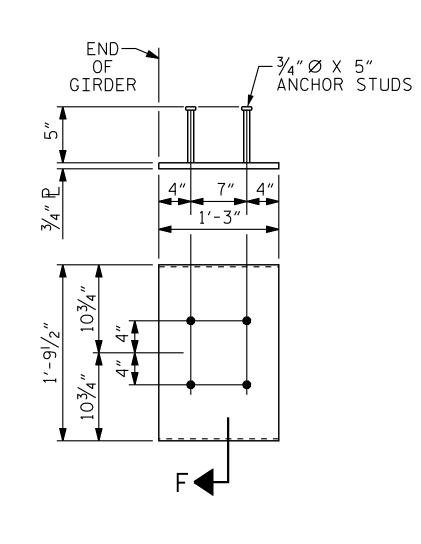
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Stantos	01 Jones Franklin Road Suite 300 Raleigh, NC 27606 Fel. (919) 851-6866 ax. (919) 851-7024 www.stantec.com icense No. F-0672		
ASSEMBLED BY : N.D'AIL CHECKED BY : V.E.FRAGA	JTO DATE : 01/25/17 DATE : 03/03/17		
DRAWN BY : ELR 11/91 CHECKED BY : GRP 11/91	REV. 10/1/11 MAA/GM REV. 1/15 MAA/TMG REV. 2/15 MAA/TMG	DESIGN ENGINEER OF RECORD:	DATE : <u>01/16/18</u>

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EMBEDDED PLATE ``B-1'' DETAILS FOR AASHTO TYPE III GIRDER

(2 REQ'D PER GIRDER)

→ ¼″BEVEL EDGE

SECTION ``F''

(SEE NOTES)

ALL REINFORCING STEEL SHALL BE GRADE 60.

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 OR END WALLS, 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 4,000 PSI FOR GIRDERS IN SPANS "A" AND "C", AND NOT LESS THAN 7,500 PSI FOR GIRDERS IN SPAN "B".

DEPTH OF 1/4".

WHEN DRAPED STRANDS ARE DETAILED, THE LONGITUDINAL LOCATION OF THE HOLD DOWN DEVICES SHALL BE WITHIN 6" OF THE LOCATION SHOWN AND THE CENTER OF GRAVITY OF THE GROUP OF DRAPED STRANDS SHALL BE LOCATED WITHIN $\frac{1}{2}$ " of the theoretical LOCATION SHOWN.

0F 4500 lbs.

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.

EMBEDDED PLATE ``B-1'' SHALL BE GALVANIZED IN ACCORDANCE WITH THE STANDARD

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

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

	PROJECT NO. <u>U-2525C</u>			
	GUILFORD COU	NTY		
	STATION: <u>337+20.09</u> -L-			
	SHEET 4 OF 4			
	STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH			
TH CARO	STANDARD			
Docusigned by SEAL Towny Dudust 462 4D2E STEAL 4D2E STEAL MG INE F	PRESTRESSED CONCRETE GIRDER CONTINUOUS FOR LIVE LOAD DETAILS			
AS R DUPIN	(LL)			
1/16/2018	REVISIONS SHEET NO. NO. BY: DATE: NO. BY: DATE: S4-15			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	NO. BY: DATE: NO. BY: DATE: 1 3 4 4 4 4	TOTAL SHEETS 39		
	STR. #4 STD. NO. PCG9			