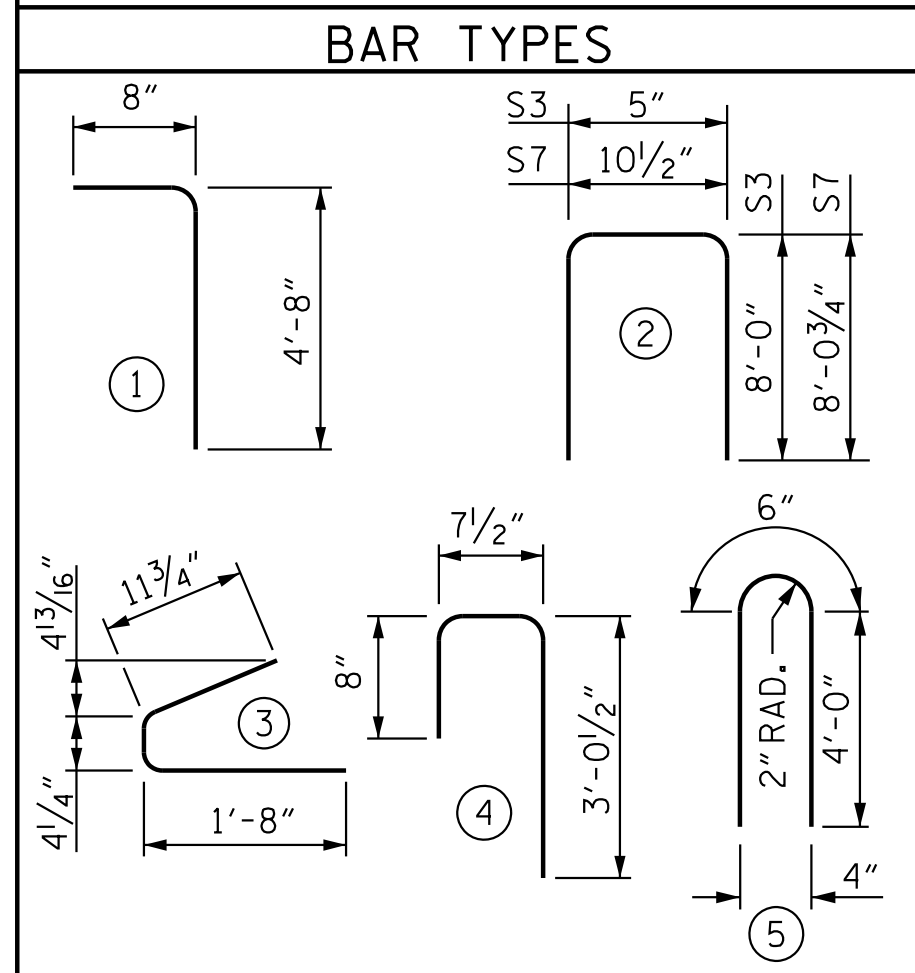


0.6" Ø L. R. GRADE 270 STRANDS		
AREA (SQUARE INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)
0.217	58,600	43,950

REINFORCING STEEL FOR ONE GDR					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	248	#4	1	5'-4"	884
S2	32	#6	1	5'-4"	257
S3	10	#4	2	16'-5"	110
S4	280	#5	4	4'-4"	1266
S5	88	#4	3	3'-0"	177
*S6	30	#5	STR	3'-8"	115
S7	2	#5	2	17'-0"	36
S8	2	#3	STR	1'-10"	2
S9	40	#4	STR	3'-3"	87
S10	4	#5	5	8'-6"	36
S11	8	#4	STR	8'-0"	43

* NOTE: S6 BARS SHALL BE BENT BEFORE SHIPMENT. HEAT BENDING SHALL NOT BE ALLOWED.



ALL BAR DIMENSIONS ARE OUT-TO-OUT

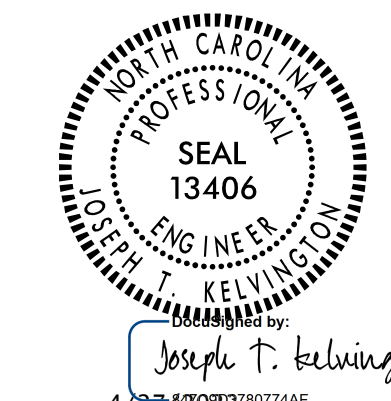
QUANTITIES FOR ONE GIRDER		
REINFORCING STEEL	8,000 PSI CONCRETE	0.6" Ø L.R. STRANDS
LB.	C.Y.	No.
3,013	18.1	36

GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
5	99'-9 1/4"	498'-10 1/4"

PROJECT NO. R-2707D
CLEVELAND COUNTY
 STATION: 20+16.72 -Y2-

SHEET 2 OF 4

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUPERSTRUCTURE
 54" PRESTRESSED CONCRETE
 MODIFIED BULB TEE
 CONTINUOUS FOR LIVE LOAD
 SPAN B



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO. S2-15
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS 35
2			4			

JHagenbush

4/27/2023

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DRAWN BY: J. B. GEILE DATE: 03/01/18
 CHECKED BY: M. B. ISENHOUR DATE: 05/29/18

DESIGN ENGINEER OF RECORD: J.T. KELVINGTON DATE: 04/27/22

NOTE: S1 STIRRUPS THAT ARE IN CONFLICT WITH 1/2" Ø FORMED HOLES MAY BE SHIFTED SLIGHTLY AS NECESSARY TO CLEAR HOLES AND S11 BARS.

INTEGRAL END BENT