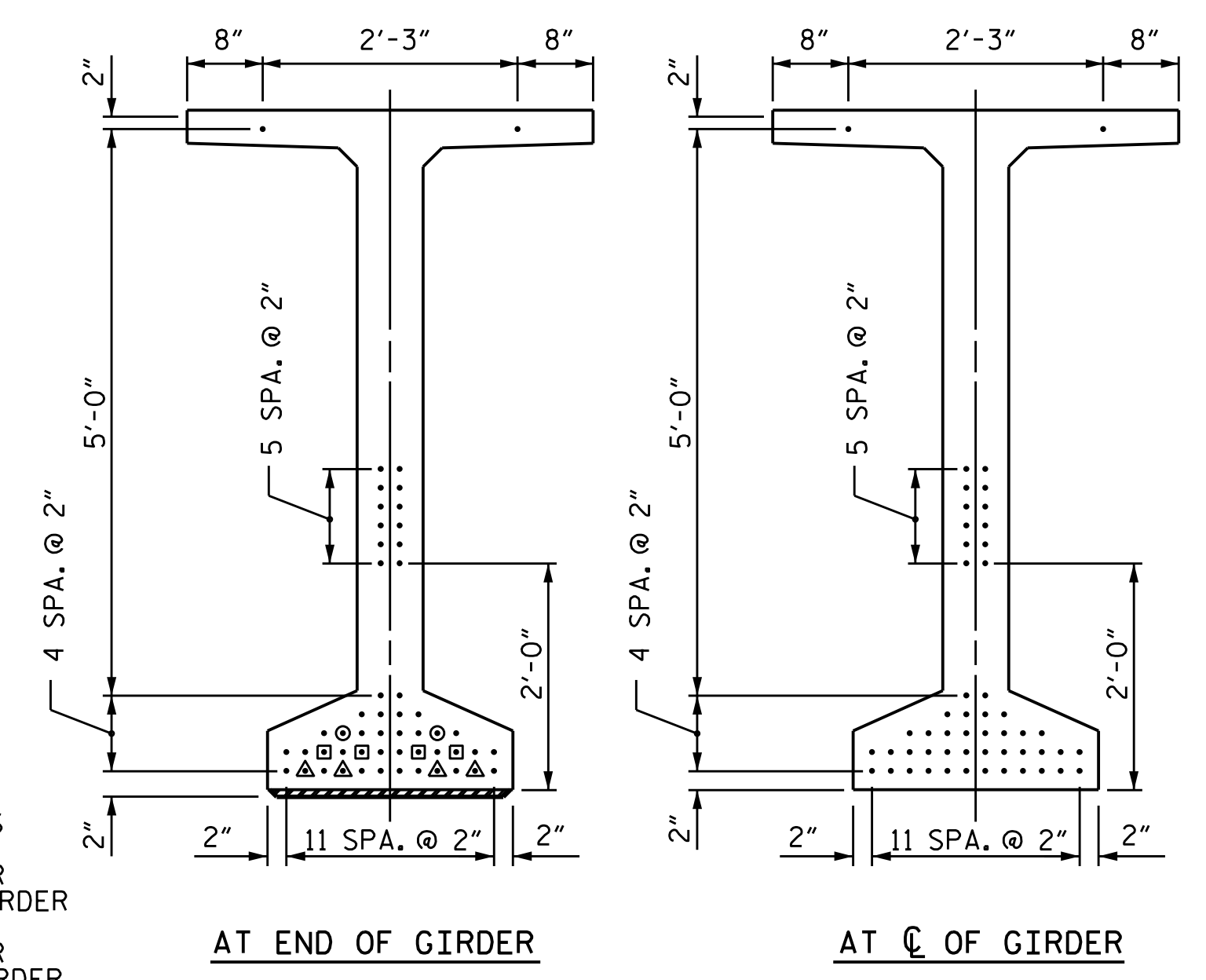


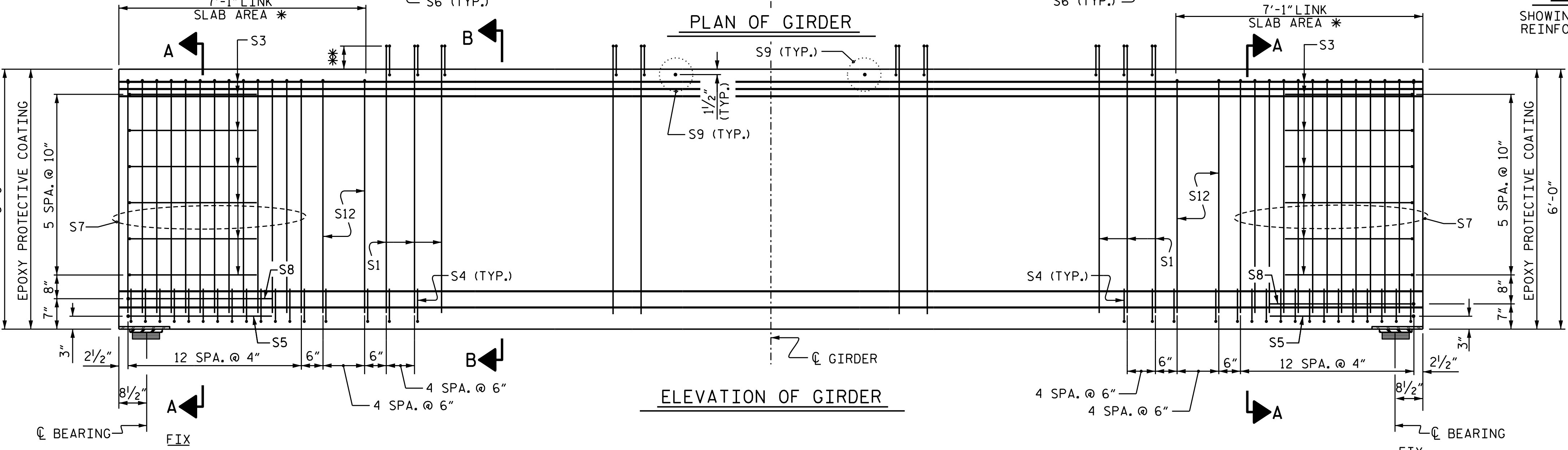
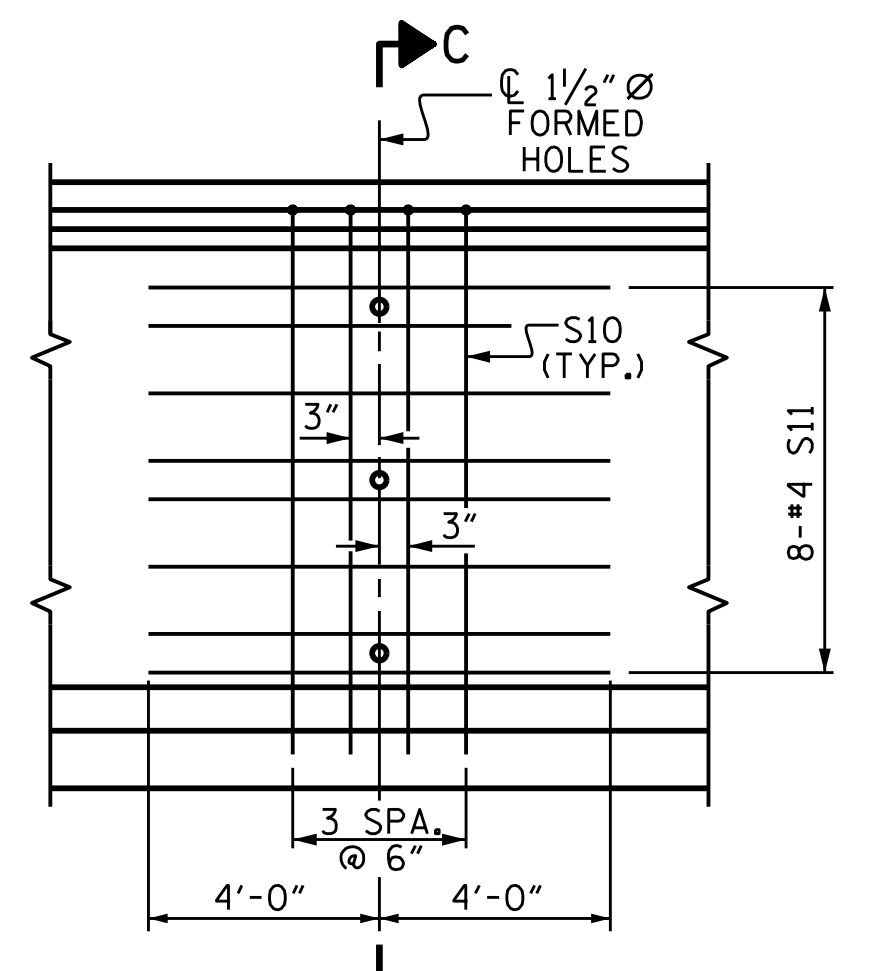
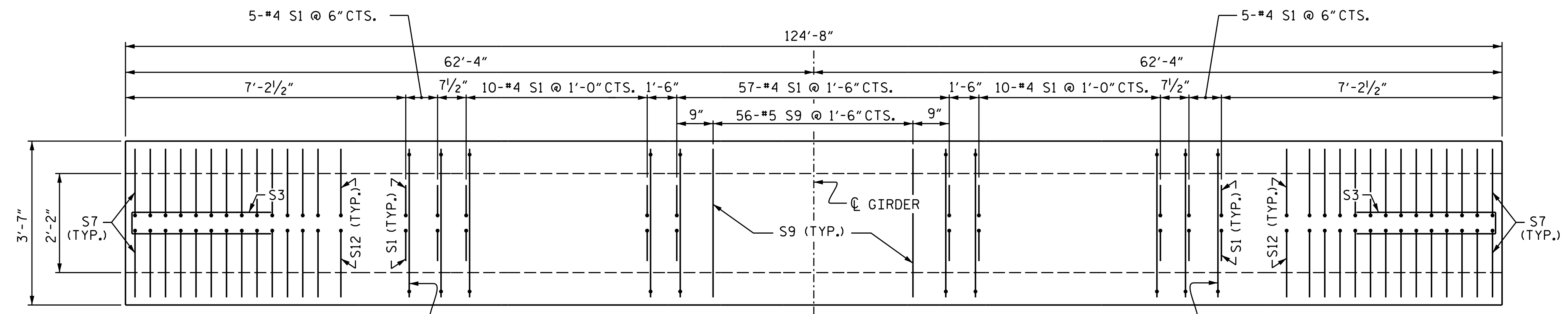
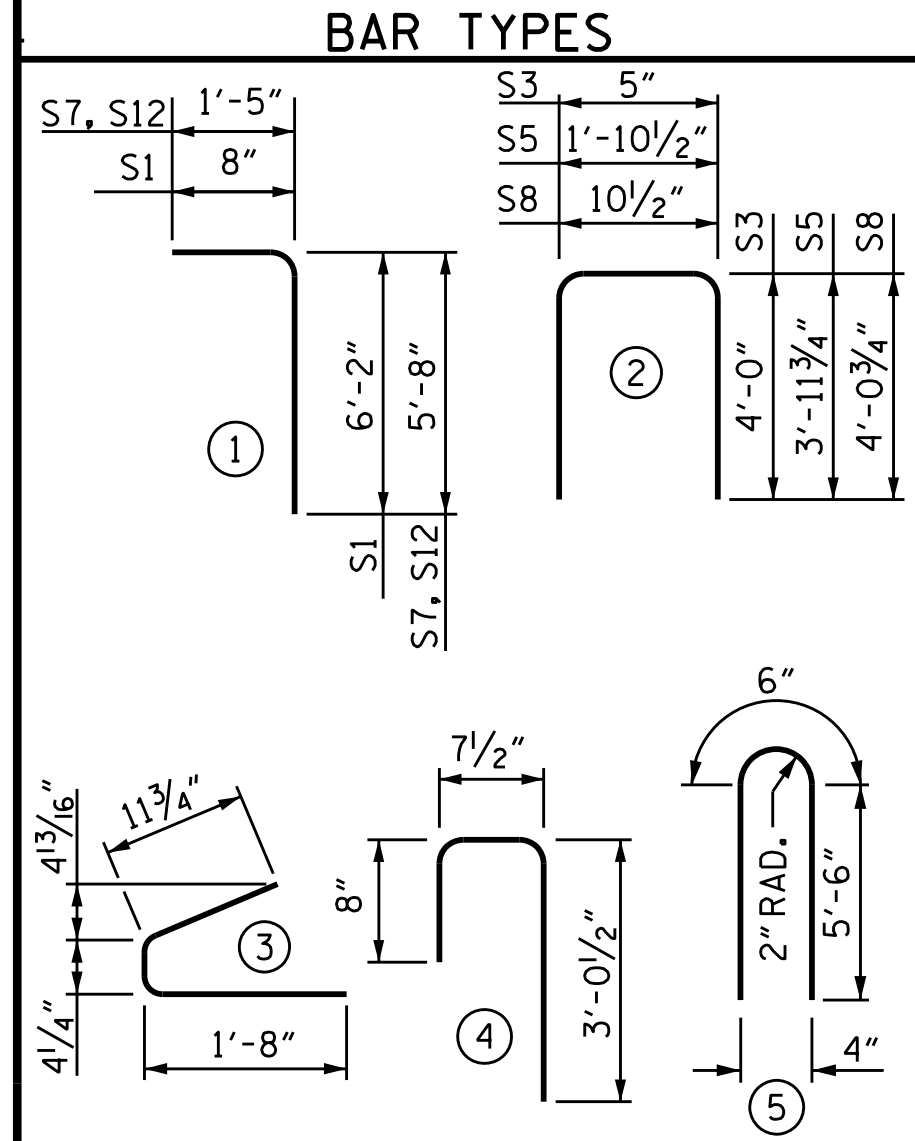
1/2" Ø FORMED HOLE. SEE ELEVATION FOR LOCATION. FOR DIM. "A", "B" & "C" SEE "INTERMEDIATE STEEL DIAPHRAGMS" SHEET.)

- DEBONDING LEGEND**
- FULLY BONDED STRANDS
 - STRANDS DEBONDED FOR 26'-0" FROM END OF GIRDER
 - STRANDS DEBONDED FOR 18'-0" FROM END OF GIRDER
 - STRANDS DEBONDED FOR 12'-0" FROM END OF GIRDER



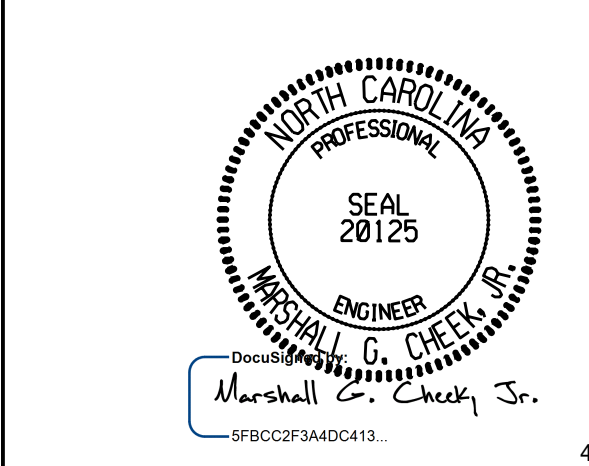
0.6" Ø L. R. GRADE 270 STRANDS		
AREA (SQUARE INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)
0.217	58,600	43,950

REINFORCING STEEL FOR ONE GDR						
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT	
S1	174	#4	1	6'-10"	794	
S3	14	#4	2	8'-5"	79	
S4	92	#4	3	3'-0"	184	
S5	2	#5	2	9'-10"	21	
S6	174	#5	4	4'-4"	786	
S7	52	#5	1	7'-1"	384	
S8	2	#5	2	9'-0"	19	
S9	56	#5	STR	3'-3"	190	
S10	8	#5	5	11'-6"	96	
S11	16	#4	STR	8'-0"	86	
S12	20	#4	1	7'-1"	95	



* DO NOT ROUGHEN TOP OF GIRDER IN THIS AREA

PROJECT NO. B-5825
 YADKIN/FORSYTH COUNTY
 STATION: 34+65.50 -L-
 SHEET 2 OF 7



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

72" PRESTRESSED CONCRETE
 MODIFIED BULB TEE
 CONTINUOUS FOR LIVE LOAD
 SPANS B, E & H

DRAWN BY: ZCS DATE: 12/19
 CHECKED BY: MGC DATE: 1/20
 DESIGN ENGINEER OF RECORD: TBE DATE: 2/20

* THE PROJECTION OF THE S1 BARS ABOVE THE TOP OF THE GIRDER VARIES FROM 7" AT THE ENDS OF THE GIRDER TO 6" AT THE CENTERLINE OF THE GIRDER.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

TGS ENGINEERS
 706 HILLSBOROUGH STREET
 SUITE 200
 RALEIGH, NC 27603
 PH (919) 773-8887
 CORP. LICENSE NO.: C-0275

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			S-21
2			4			60