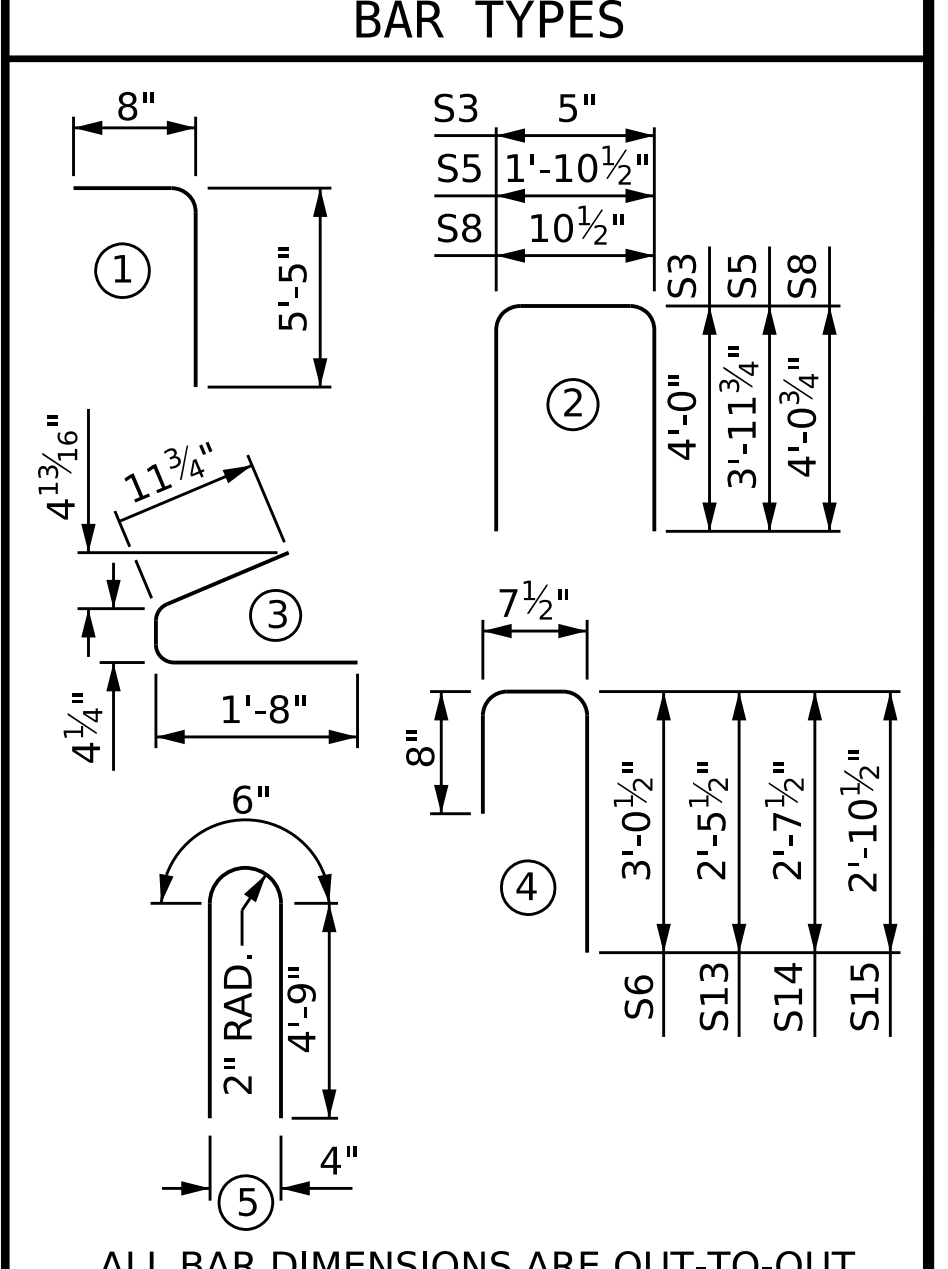


0.6" Ø L.R. GRADE 270 STRANDS					
AREA (SQ. INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)			
0.217	58,600	43,950			
REINFORCING STEEL FOR ONE GDR					
BAR NUMBER	SIZE	TYPE	LENGTH	WEIGHT	
S1	116	#4	1 6'-1"	471	
S2	12	#5	1 6'-1"	76	
S3	12	#4	2 8'-5"	67	
S4	76	#4	3 3'-0"	152	
S5	2	#5	2 9'-10"	21	
S6	128	#5	4 4'-4"	579	
S8	2	#5	2 9'-0"	19	
S9	16	#5	STR	3'-3"	54
INT. S11	17	#5	5 10'-0"	177	
INT. S12	16	#4	STR	8'-0"	86
EXT. S11	13	#5	5 10'-0"	136	
EXT. S12	8	#4	STR	8'-0"	43
S13	2	#5	4 3'-9"	8	
S14	2	#5	4 3'-11"	8	
S15	2	#5	4 4'-2"	9	



QUANTITIES FOR ONE GIRDER			
GIRDERS	REINFORCING STEEL (LB.)	5000 PSI CONCRETE (C.Y.)	0.6" Ø L.R. STRANDS (No.)
INTERIOR	1,727	12.6	14
EXTERIOR	1,643	12.6	14
GIRDERS REQUIRED			
NUMBER	LENGTH	TOTAL LENGTH	
4	63'-4 1/8"	253.38'	

PROJECT NO. **B-5981**  
**DUPLIN** COUNTY  
 STATION: **23+56.64 -L-**  
 SHEET 3 OF 3



STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
**63" PRESTRESSED CONCRETE MODIFIED BULB TEE LINK SLAB (SPAN C)**

ASSEMBLED BY : K. BEARD DATE : 6/23/22  
 CHECKED BY : D. SHACKELFORD DATE : 7/12/22  
 DRAWN BY : BNB 09/21  
 CHECKED BY : AAI 09/21  
 DESIGN ENGINEER OF RECORD:  
 W.C. SMITH DATE : 3/8/23

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS				SHEET NO.	
NO.	BY:	DATE:	NO.	DATE:	S1-16
1			3		TOTAL SHEETS 43
2			4		