

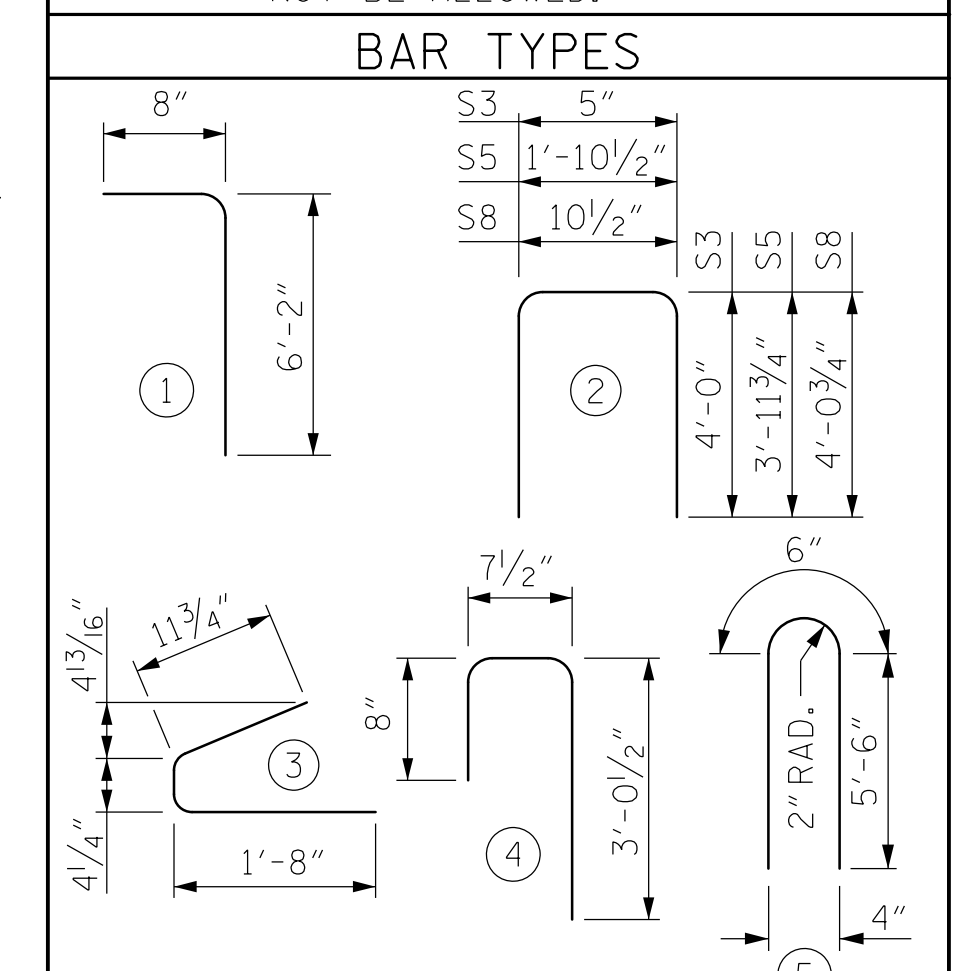
- DEBONDING LEGEND
- FULLY BONDED STRANDS
  - STRANDS DEBONDED FOR 8'-0" FROM END OF GIRDER
  - ◇ STRANDS DEBONDED FOR 10'-0" FROM END OF GIRDER
  - ▲ STRANDS DEBONDED FOR 12'-0" FROM END OF GIRDER
  - STRANDS DEBONDED FOR 40'-0" IN EA. DIRECTION ABOUT C OF GIRDER (80'-0" TOTAL)

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	214	#5	1	6'-10"	1,525
S2	20	#6	1	6'-10"	205
S3	14	#4	2	8'-5"	79
S4	80	#4	3	3'-0"	160
S5	1	#5	2	9'-10"	10
S6	234	#5	4	4'-4"	1,058
*S7	10	#5	STR	3'-8"	38
S8	2	#5	2	9'-0"	19
S9	58	#5	STR	3'-3"	197
S10	1	#3	STR	1'-10"	1
S11	8	#5	5	11'-6"	96
S12	16	#4	STR	8'-0"	86

\* NOTE: S7 BARS SHALL BE BENT BEFORE SHIPMENT. HEAT BENDING SHALL NOT BE ALLOWED.

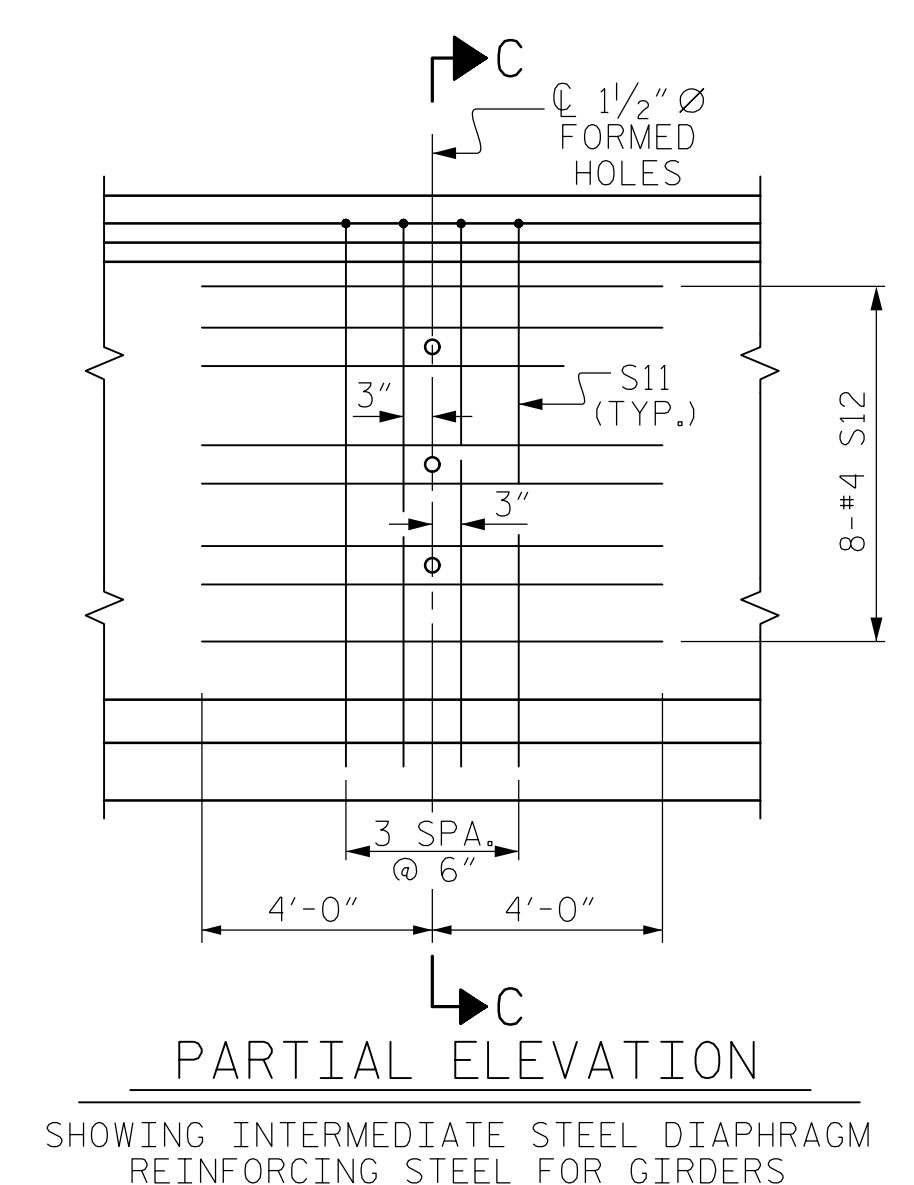


ALL BAR DIMENSIONS ARE OUT-TO-OUT

QUANTITIES FOR ONE GIRDER	REINFORCING STEEL	8,000 PSI CONCRETE	0.6" Ø L.R. STRANDS
	LB.	C.Y.	No.
GIRDER	3,474	26.8	42

GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
8	125'-0 1/4"	1000'-2"



PROJECT NO. U-5008  
 MECKLENBURG COUNTY  
 STATION: 20+45.05 -L- P.O.T. = 14+54.24 -Y4- P.O.T.

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
72" PRESTRESSED CONCRETE MODIFIED BULB TEE CONTINUOUS FOR LIVE LOAD SPAN A					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

SHEET NO. S-21	
SHEETS 78	

