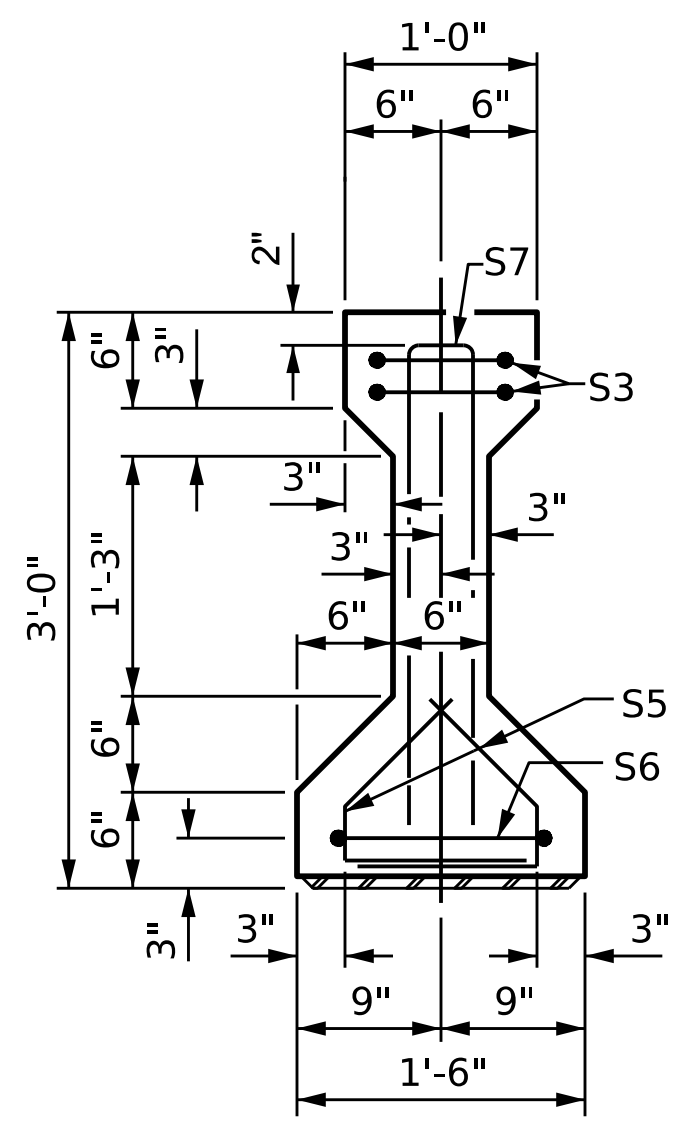
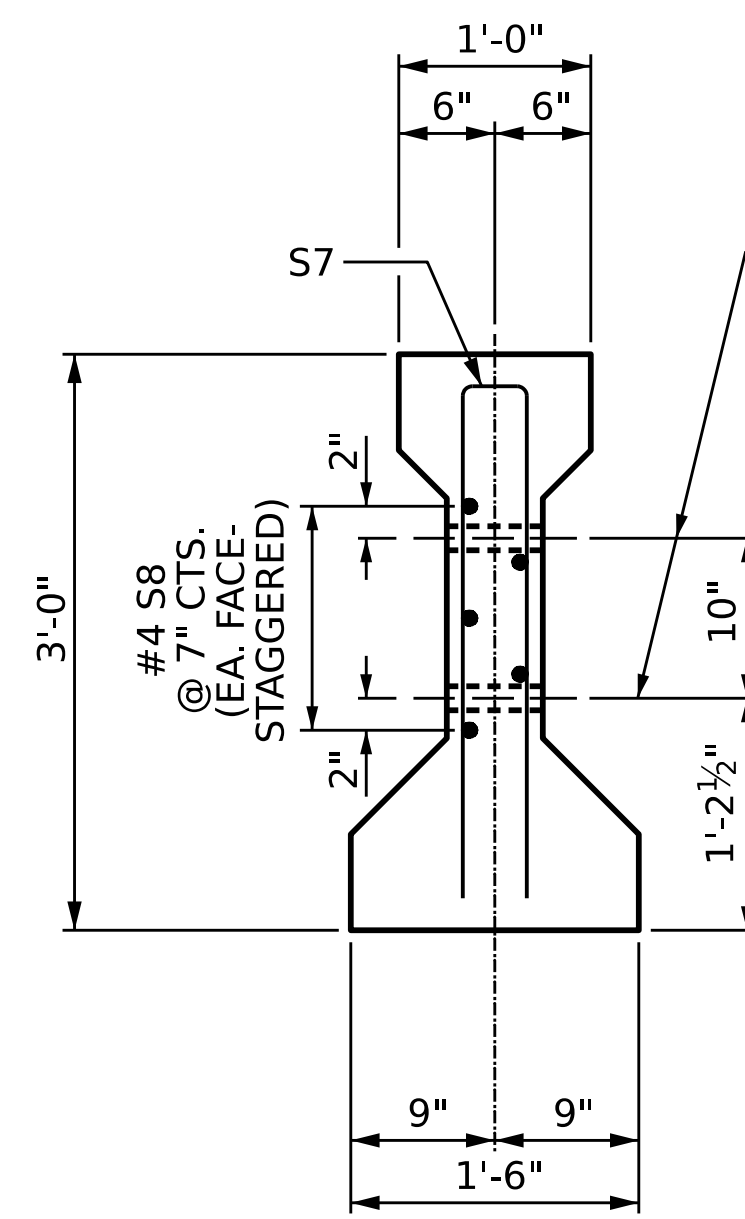


SECTION A-A

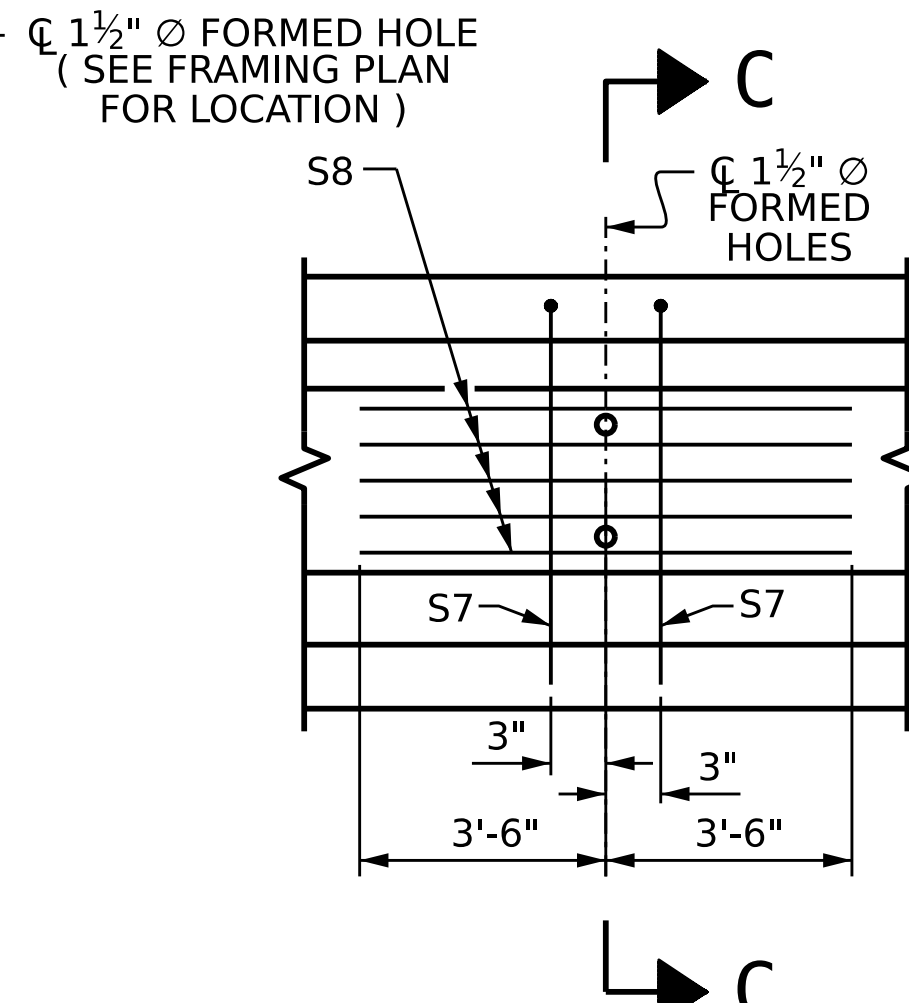


SECTION B-B



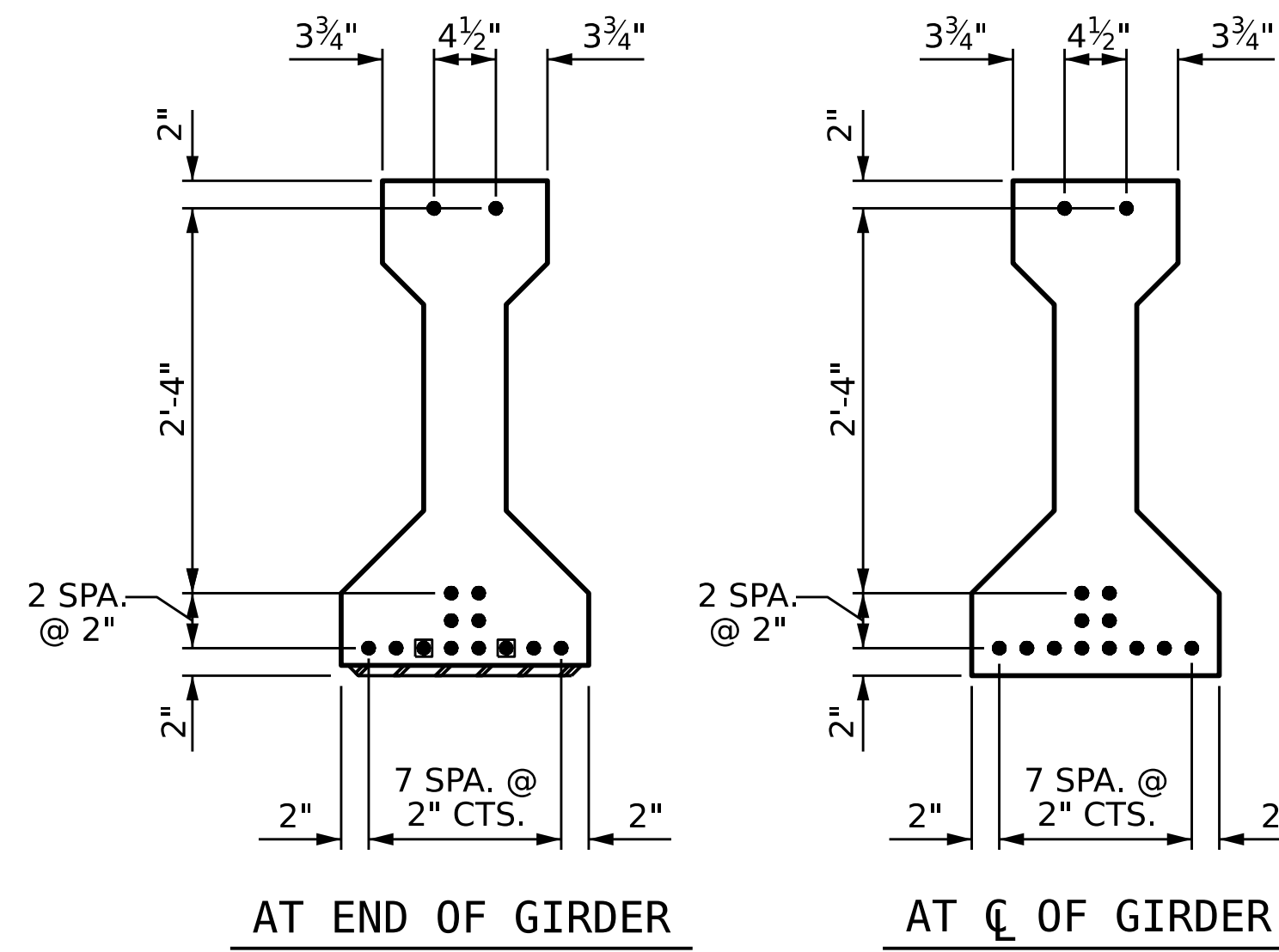
SECTION C-C

(S1 BARS NOT SHOWN)



PARTIAL ELEVATION

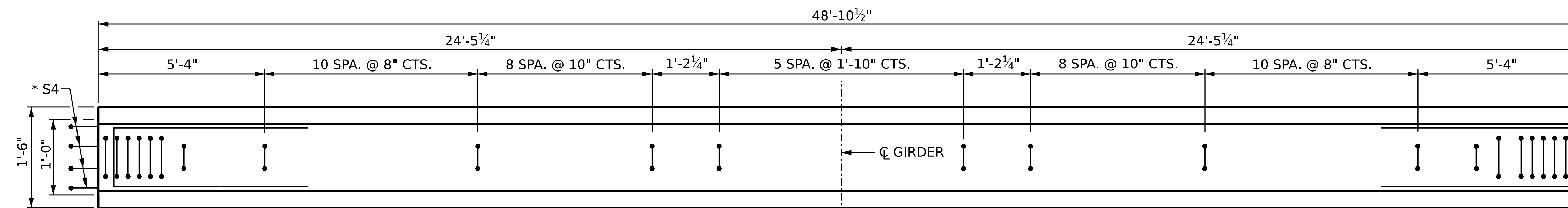
SHOWING INTERMEDIATE DIAPHRAGM REINFORCING STEEL FOR GIRDER Nos. 1-5



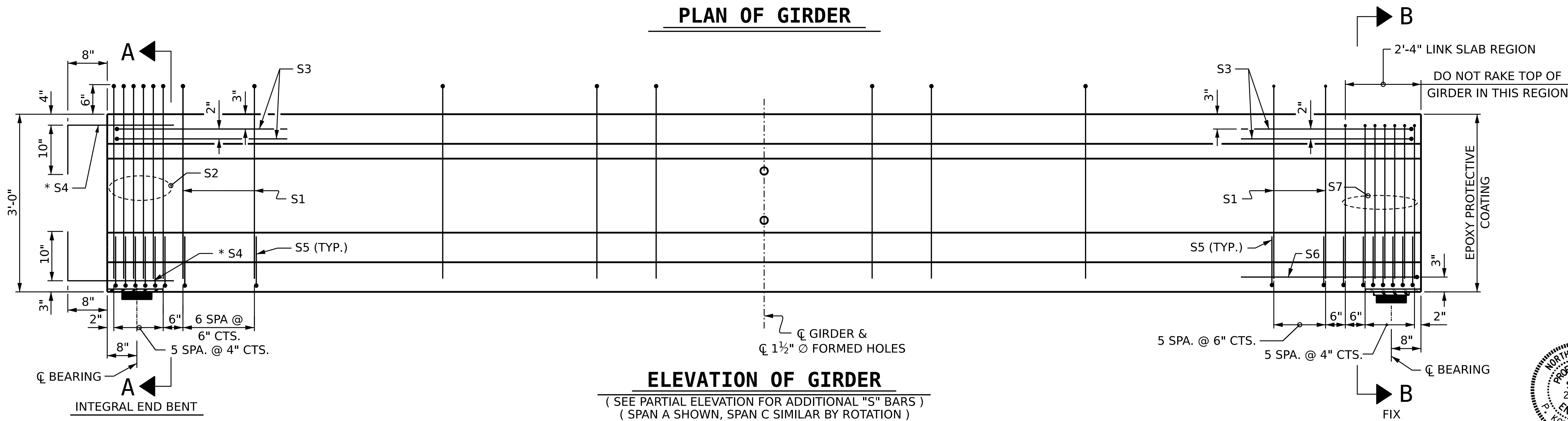
0.6" Ø LOW RELAXATION STRAND LAYOUT

DEBONDING LEGEND

- FULLY BONDED STRANDS
- ◻ STRANDS DEBONDED FOR 12'-0" FROM END OF GIRDER



PLAN OF GIRDER



ELEVATION OF GIRDER

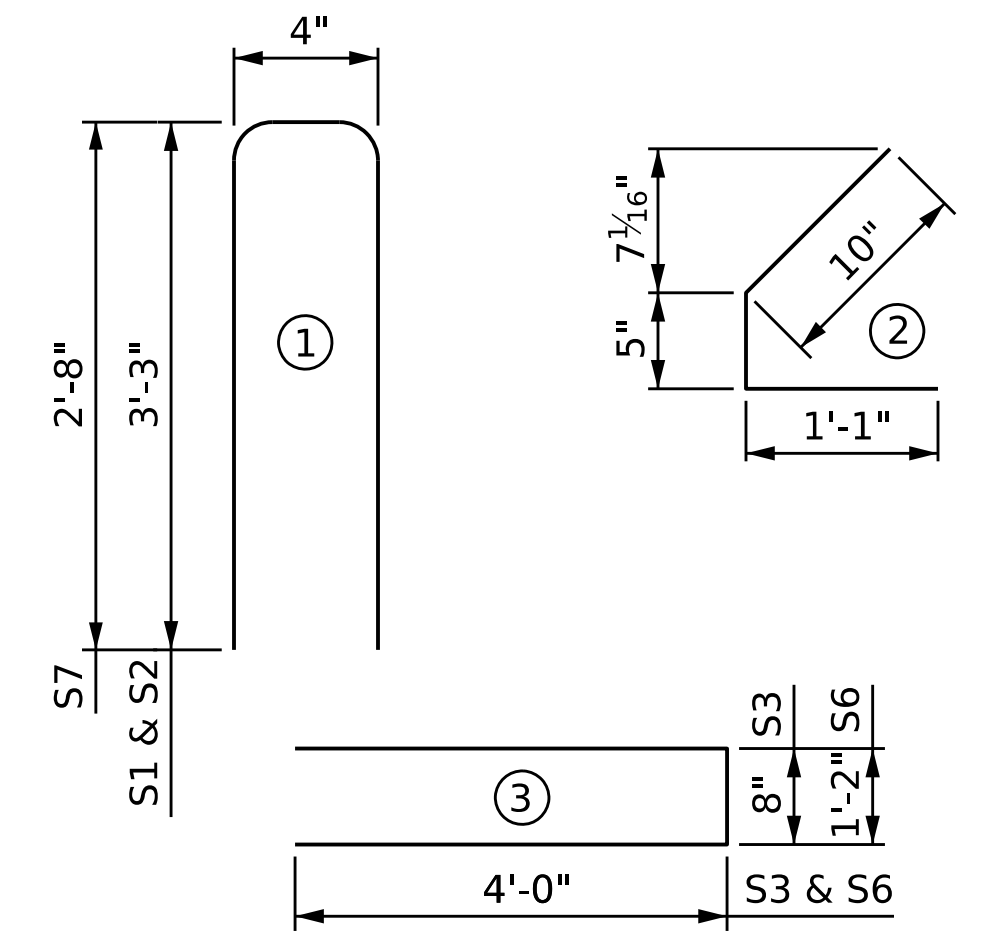
(SEE PARTIAL ELEVATION FOR ADDITIONAL "S" BARS)
(SPAN A SHOWN, SPAN C SIMILAR BY ROTATION)

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 GIRDER					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	55	#4	1	6'-10"	251
S2	6	#5	1	6'-10"	43
S3	4	#4	3	8'-8"	23
* S4	8	#5	STR	3'-8"	31
S5	52	#4	2	2'-4"	81
S6	1	#4	3	9'-2"	6
S7	9	#5	1	5'-8"	53
S8	5	#4	STR	7'-0"	23

* NOTE: S4 BARS SHALL BE BENT BEFORE SHIPMENT. HEAT BENDING SHALL NOT BE ALLOWED.

BAR TYPES



ALL BAR DIMENSIONS ARE OUT-TO-OUT

QUANTITIES FOR ONE GIRDER

REINFORCING STEEL	6000 PSI CONCRETE	0.6" Ø L.R. STRANDS
LB.	C.Y.	No.
511	4.6	14

GIRDERS REQUIRED

NUMBER	LENGTH	TOTAL LENGTH
10	48'-10 1/2"	488.75

PROJECT NO. **BR-0046**

SAMPSON COUNTY

STATION: **24+30.00 -L-**

SHEET 1 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
STANDARD

**AASHTO TYPE II
PRESTRESSED CONCRETE
GIRDER - LINK SLAB**
(SPAN A & C)



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS				SHEET NO.
NO.	BY:	DATE:	NO.	DATE:
1			3	
2			4	

DESIGN ENGINEER OF RECORD: P. BRYANT DATE: 7/18/23
ASSEMBLED BY: D. R. SHACKELFORD DATE: 1/25/23
CHECKED BY: M. K. BEARD DATE: 3/7/23
DRAWN BY: BNB 9/21
CHECKED BY: AAI 9/21