

1/2" Ø L. R. GRADE 270 STRANDS		
AREA (SQUARE INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)
0.153	41,300	30,980

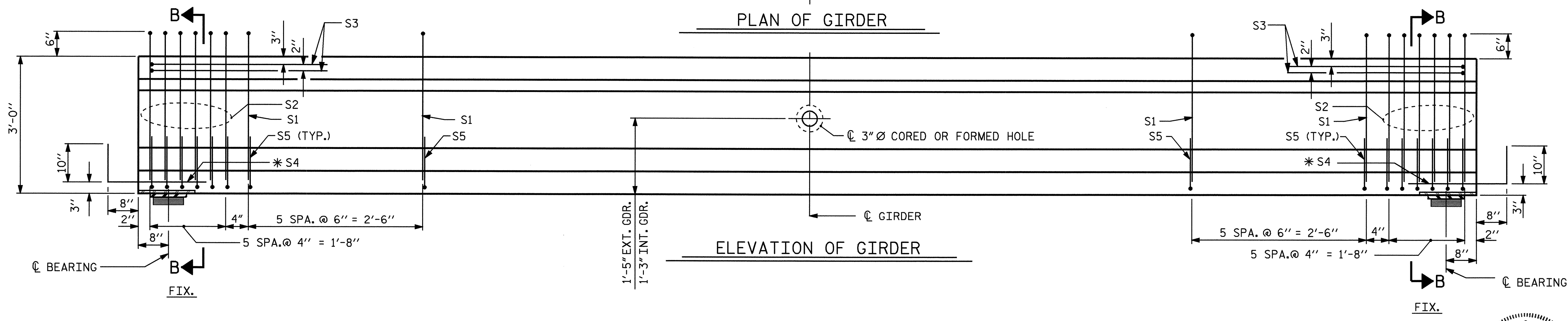
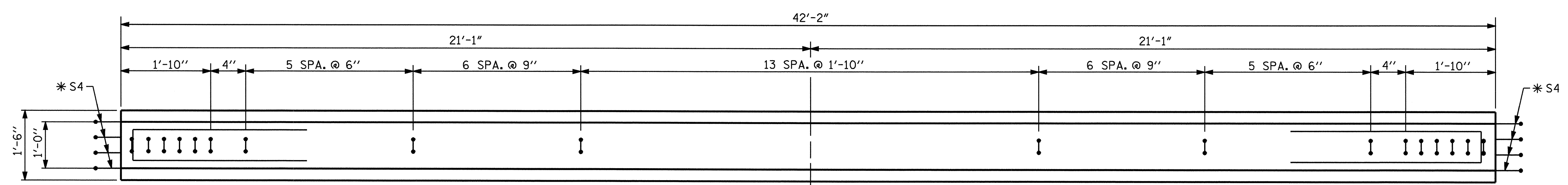
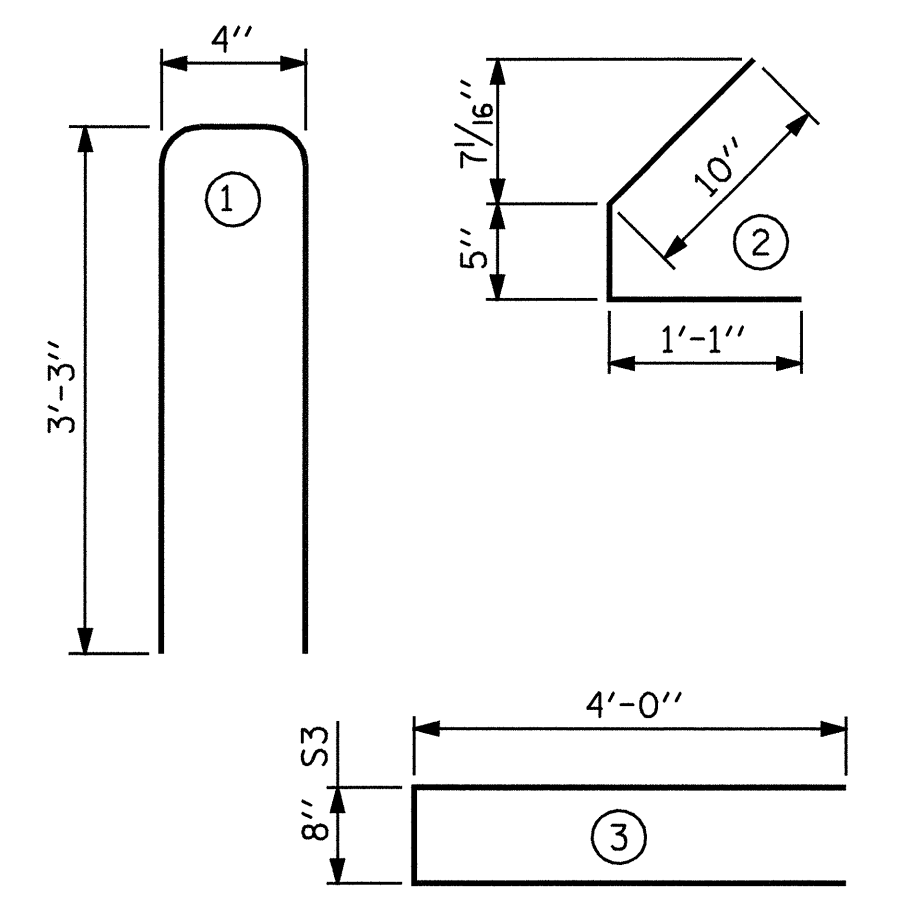
  

REINFORCING STEEL FOR ONE GIRDER					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	36	#4	1	6'-10"	164
S2	12	#5	1	6'-10"	86
S3	4	#4	3	8'-8"	23
*S4	8	#5	STR	3'-8"	31
S5	48	#4	2	2'-4"	75

\* 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	5,000 PSI CONCRETE	1/2" Ø L.R. STRANDS
LB.	C.Y.	No.
379	4.0	16

**GIRDERS REQUIRED**

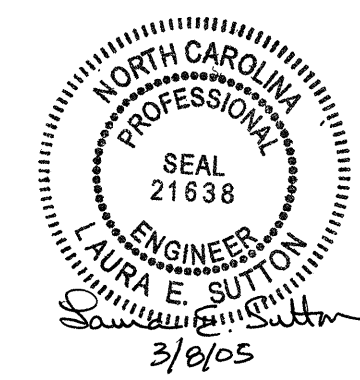
NUMBER	LENGTH	TOTAL LENGTH
4	42'-2"	168'-8"

PROJECT NO. B-3467  
HALIFAX COUNTY  
 STATION: 31+50.00 -L-

SHEET 2 OF 3

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

**STANDARD  
 AASHTO TYPE II  
 PRESTRESSED CONCRETE GIRDER  
 CONTINUOUS FOR LIVE LOAD  
 SPAN B**



REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-42
1			3			TOTAL SHEETS
2			4			60

ASSEMBLED BY : J. L. WALTON DATE : 4/22/03  
 CHECKED BY : B.N. BARODAWALA DATE : 6/5/03  
 DRAWN BY : ELR 8/91 REV. 7/17/98 RWW/LES  
 CHECKED BY : GRP 8/91 REV. 8/16/99 RWW/LES  
 REV. 10/17/00 RWW/LES

08-MAR-2005 14:19  
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