

**BILL OF MATERIAL FOR ONE CORED SLAB SECTION**

			EXTERIOR UNIT		INTERIOR UNIT			
BAR	SIZE	TYPE	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
B1	4	STR	4	17'-10"	48	4	17'-10"	48
S1	4	1	8	4'-3"	23	8	4'-3"	23
S2	4	1	66	5'-4"	235	66	5'-4"	235
* S3	5	2	35	5'-4"	195			
REINFORCING STEEL				LBS.	306	306		
* EPOXY COATED				LBS.	195			
REINFORCING STEEL								
5,000 P.S.I. CONCRETE				CU. YDS.	4.8	4.8		
1/2" Ø L.R. STRANDS				No.	12	12		

**DEAD LOAD DEFLECTION AND CAMBER**

		3'-0" x 1'-9"
		1/2" Ø L.R. STRAND
CAMBER (SLAB ALONE IN PLACE)	↑	1/2"
DEFLECTION DUE TO SUPERIMPOSED DEAD LOAD**	↓	1/16"
FINAL CAMBER	↑	7/16"

\*\* INCLUDES FUTURE WEARING SURFACE

SPANS A, B & C

**CORED SLABS REQUIRED**

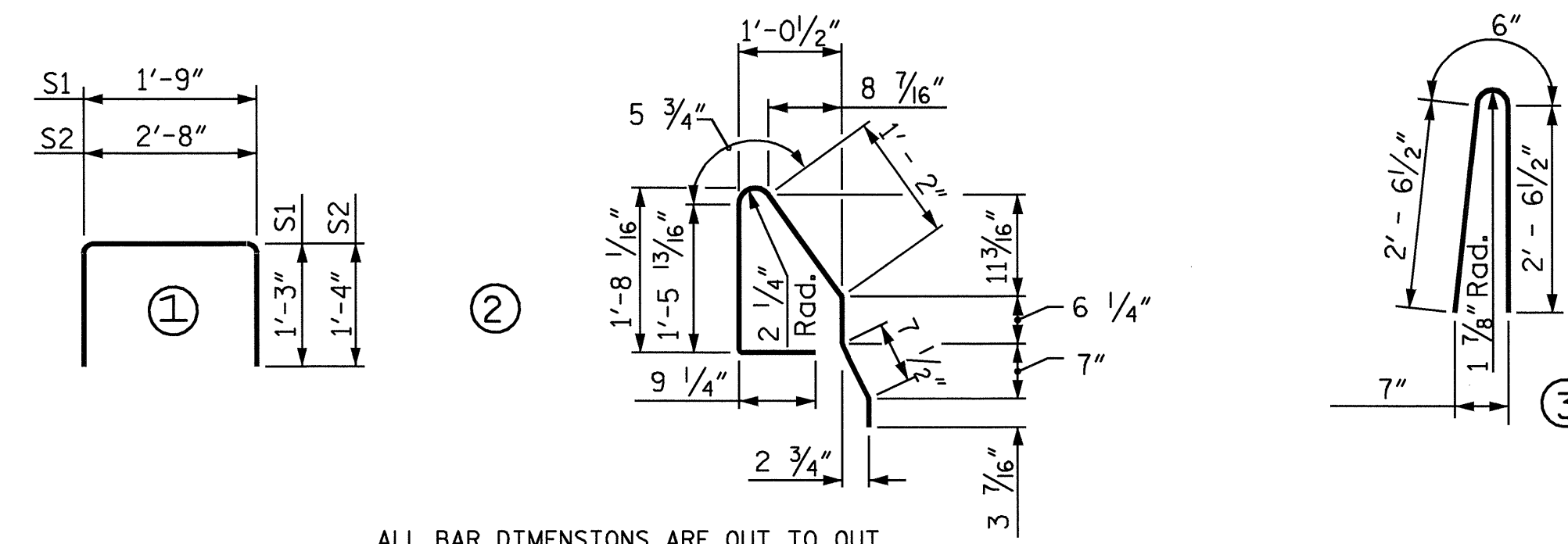
	UNIT TYPE	NUMBER	LENGTH	TOTAL LENGTH
SPAN A	EXTERIOR	2	34'-2"	68'-4"
	INTERIOR	13	34'-2"	444'-2"
SPAN B	EXTERIOR	2	34'-2"	68'-4"
	INTERIOR	13	34'-2"	444'-2"
SPAN C	EXTERIOR	2	34'-2"	68'-4"
	INTERIOR	13	34'-2"	444'-2"
TOTAL NUMBER		45		1537'-6"

**BARRIER RAIL BILL OF MATERIAL**

**SPANS A, B AND C**

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* B2	84	5	STR	16'-7"	1453
* S4	210	5	3	5'-7"	1223
* EPOXY COATED REINF. STEEL LB. = 2676					
CLASS AA CONCRETE C.YD. = 22.9					
TOTAL EPOXY COATED REINF. STEEL LB. = 2676					
TOTAL CLASS AA CONCRETE CU. YD. = 22.9					
TOTAL CONCRETE BARRIER RAIL (CU.YD) = 205.0					

**BAR TYPES**



ALL BAR DIMENSIONS ARE OUT TO OUT

**GRADE 270 STRANDS**

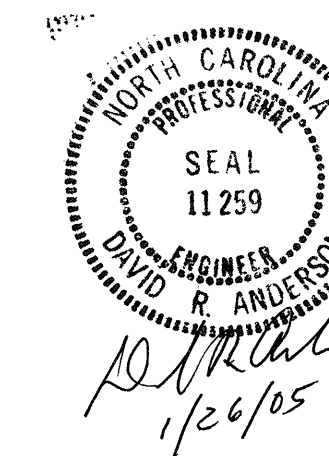
	1/2" Ø L.R.
AREA ( SQUARE INCHES )	0.153
ULTIMATE STRENGTH ( LBS. PER STRAND )	41,300
APPLIED PRESTRESS ( LBS. PER STRAND )	30,980

PROJECT NO. B-3906  
SAMPSON COUNTY  
 STATION: 28+52.50 -L-

SHEET 6 OF 6

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

3'-0" X 1'-9"  
 PRESTRESSED  
 CONCRETE CORED  
 SLAB UNIT  
 SPANS A, B & C



**REVISIONS**

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

SHEET NO.  
 S-28  
 TOTAL SHEETS  
 30

ASSEMBLED BY : N. Q. TRAN DATE : APR. 2004  
 CHECKED BY : S. M. RASHIDI DATE : 8-23-04