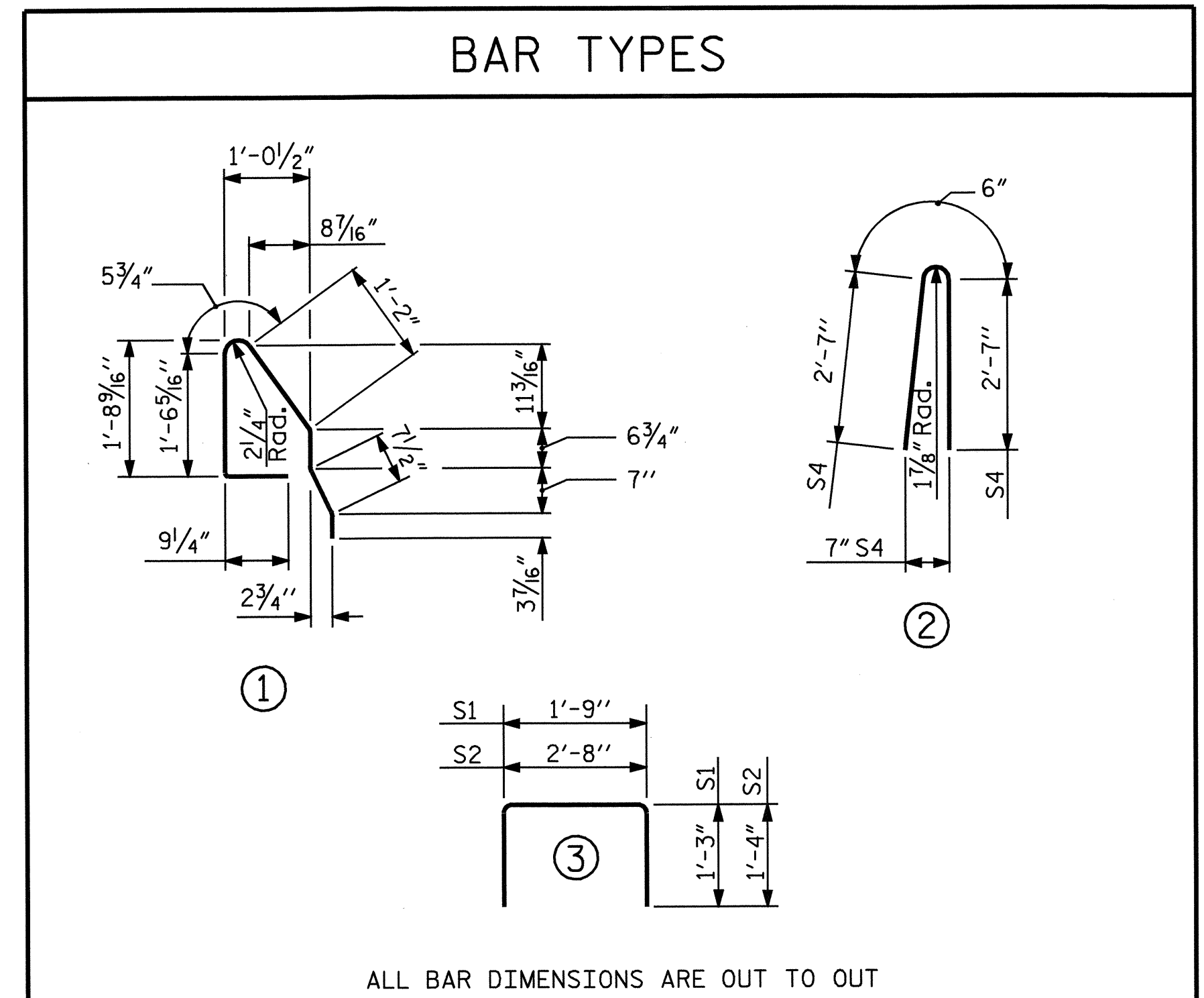


DEAD LOAD DEFLECTION AND CAMBER SPANS A & B

	INTERIOR	EXTERIOR
CAMBER (SLAB ALONE IN PLACE)	1 5/8" ↑	1 5/8" ↑
DEFLECTION DUE TO SUPERIMPOSED DEAD LOAD ***	5/16" ↓	5/16" ↓
FINAL CAMBER	1 5/8" ↑	1 5/8" ↑

*** INCLUDES FUTURE WEARING SURFACE



BILL OF MATERIAL FOR ONE CORED SLAB SECTION SPANS A & B

BAR	NUMBER	SIZE	TYPE	EXTERIOR UNIT		INTERIOR UNIT	
				LENGTH	WEIGHT	LENGTH	WEIGHT
B1	4	4	STR	26'-3"	70	26'-3"	70
S1	8	4	3	4'-3"	23	4'-3"	23
S2	100	4	3	5'-4"	356	5'-4"	356
* S3	52	5	1	5'-5"	294		
REINFORCING STEEL LBS.				449		449	
* EPOXY COATED REINF. STEEL LBS.				294			
5,000 P.S.I. CONCRETE CU. YDS.				7.0		7.0	
1/2" Ø L.R. STRANDS No.				20		20	

BILL OF MATERIAL FOR CONCRETE BARRIER RAILS

SPAN A						SPAN B					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* B2	28	5	STR	25'-0"	730	* B2	28	5	STR	25'-0"	730
* S4	104	5	2	5'-8"	615	* S4	104	5	2	5'-8"	615
* EPOXY COATED REINFORCING STEEL LB. 1345						* EPOXY COATED REINFORCING STEEL LB. 1345					
CLASS AA CONCRETE CU. YD. 11.6						CLASS AA CONCRETE CU. YD. 11.6					
TOTAL EPOXY COATED REINF. STEEL LB.								2690			
TOTAL CONCRETE AA CU. YD.								23.2			
TOTAL CONCRETE BARRIER RAIL (LIN. FT.)								203.50			

CORED SLABS REQUIRED SPANS A & B

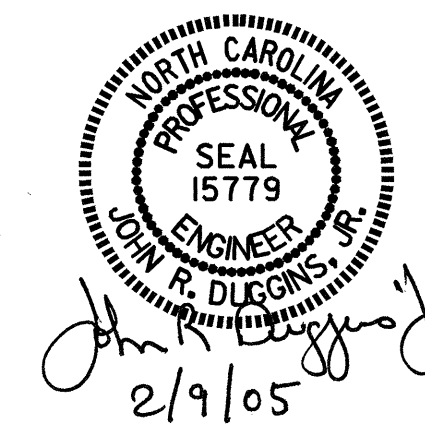
	NUMBER	LENGTH	TOTAL LENGTH
EXTERIOR C.S.	4	50'-9 3/4"	230'-3"
INTERIOR C.S.	18	50'-9 3/4"	914'-7 1/2"
TOTAL	22	50'-9 3/4"	1117'-10 1/2"

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-4222
PAQUOTANK COUNTY
 STATION: 11+27.00 -L-

SHEET 5 OF 5



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUPERSTRUCTURE
 3'-0" X 1'-9"
 PRESTRESSED CONCRETE
 CORED SLAB UNIT

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-8
1			3			TOTAL SHEETS
2			4			20