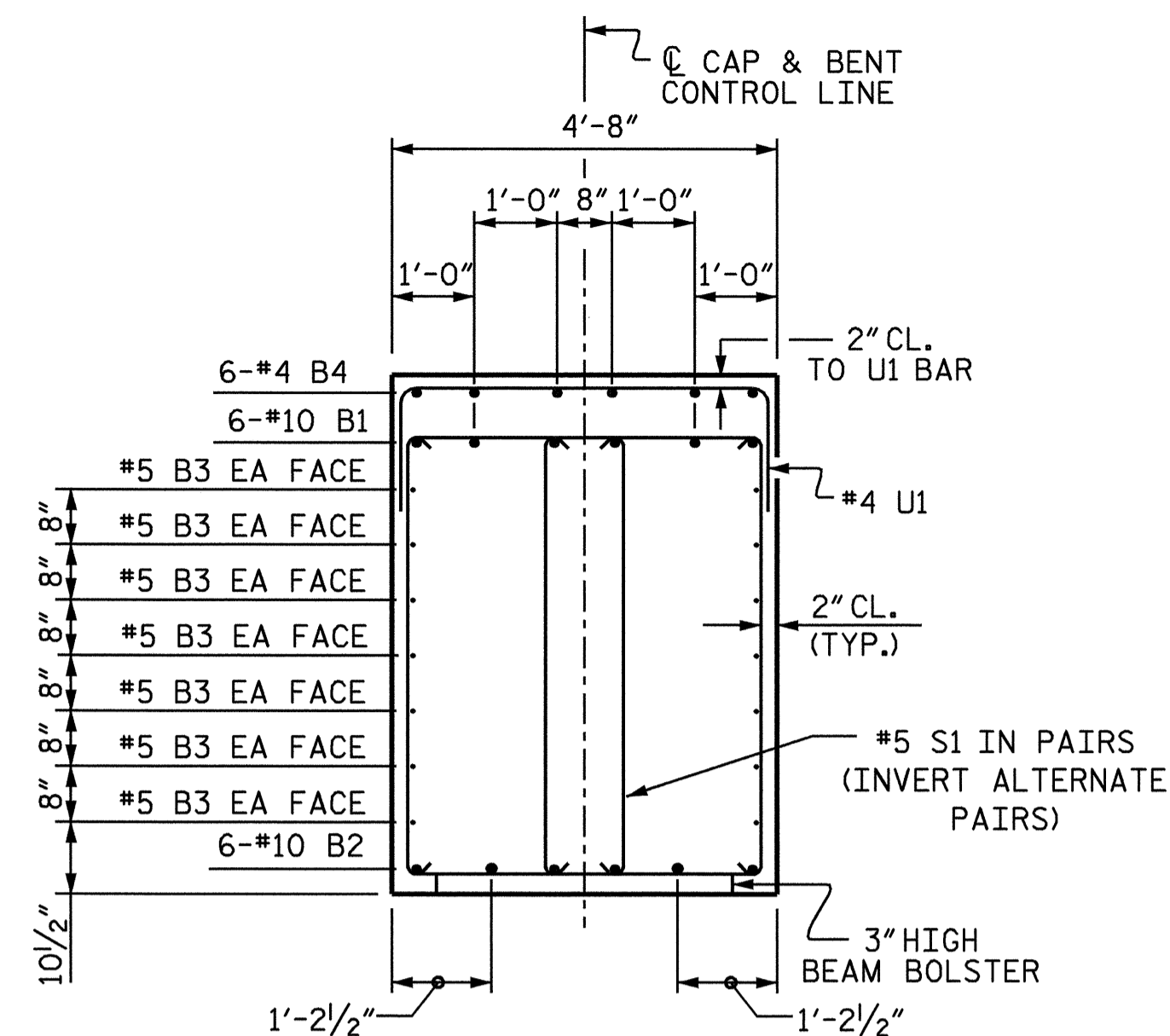
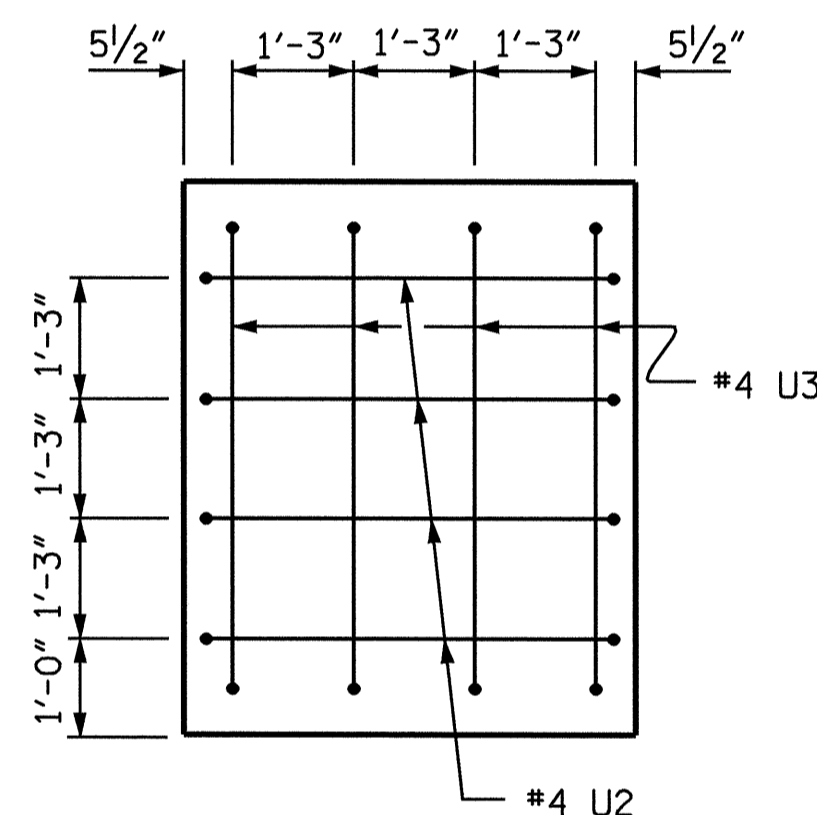


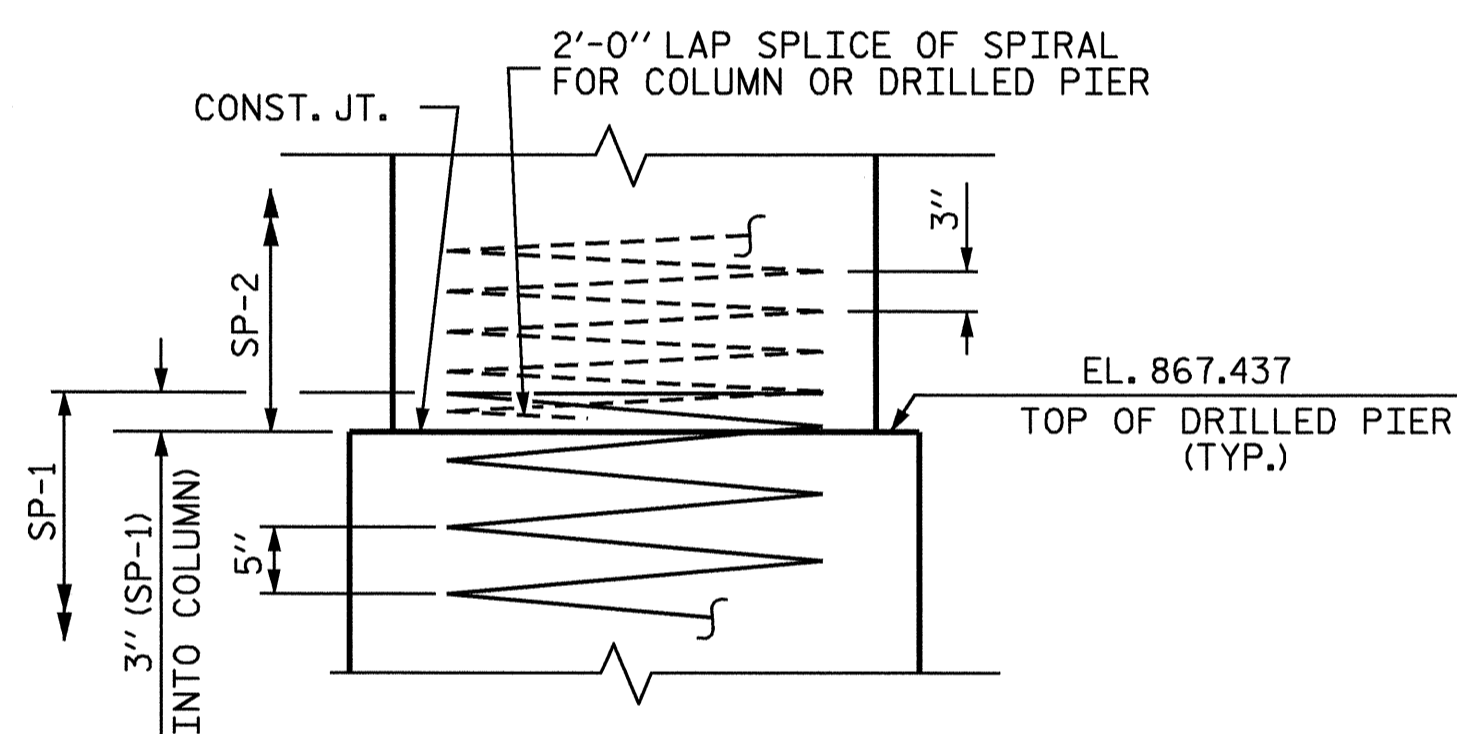
SECTION A-A



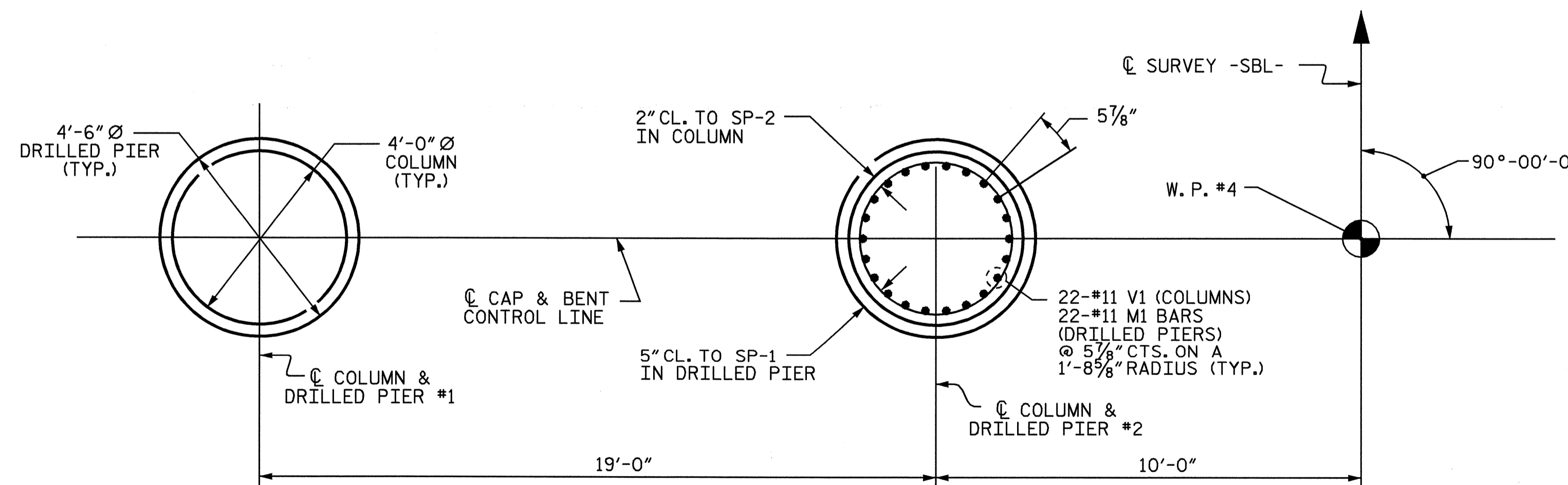
SECTION B-B



LEFT END VIEW



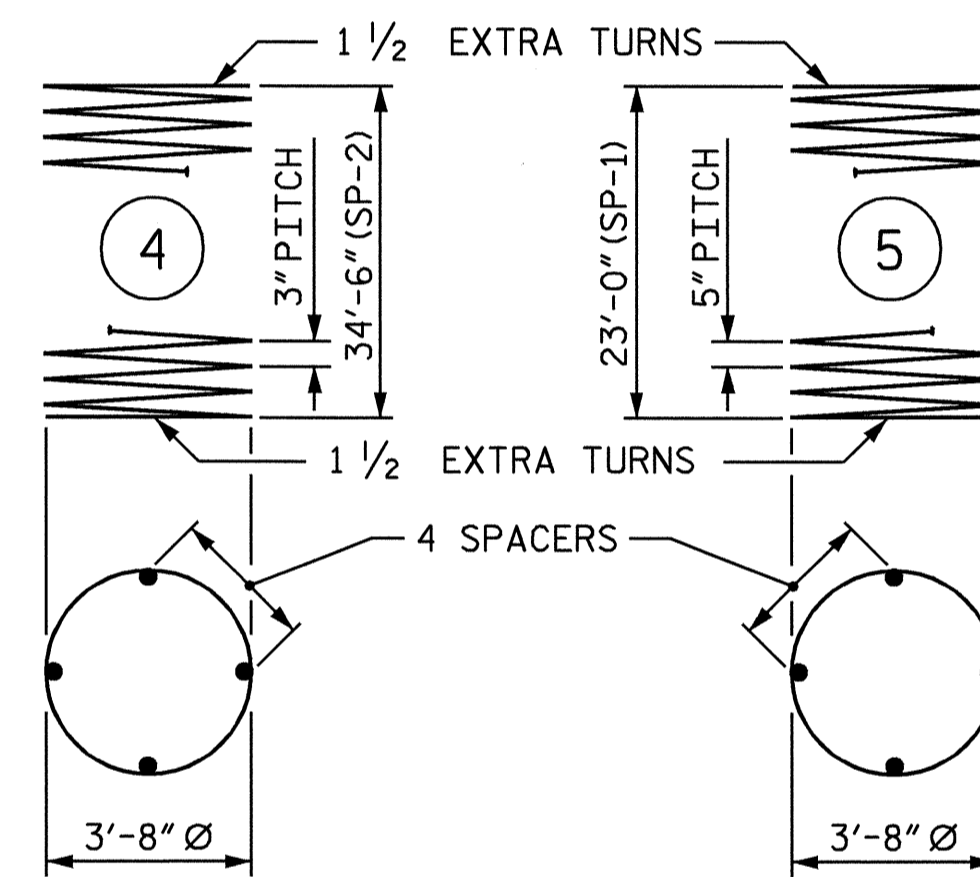
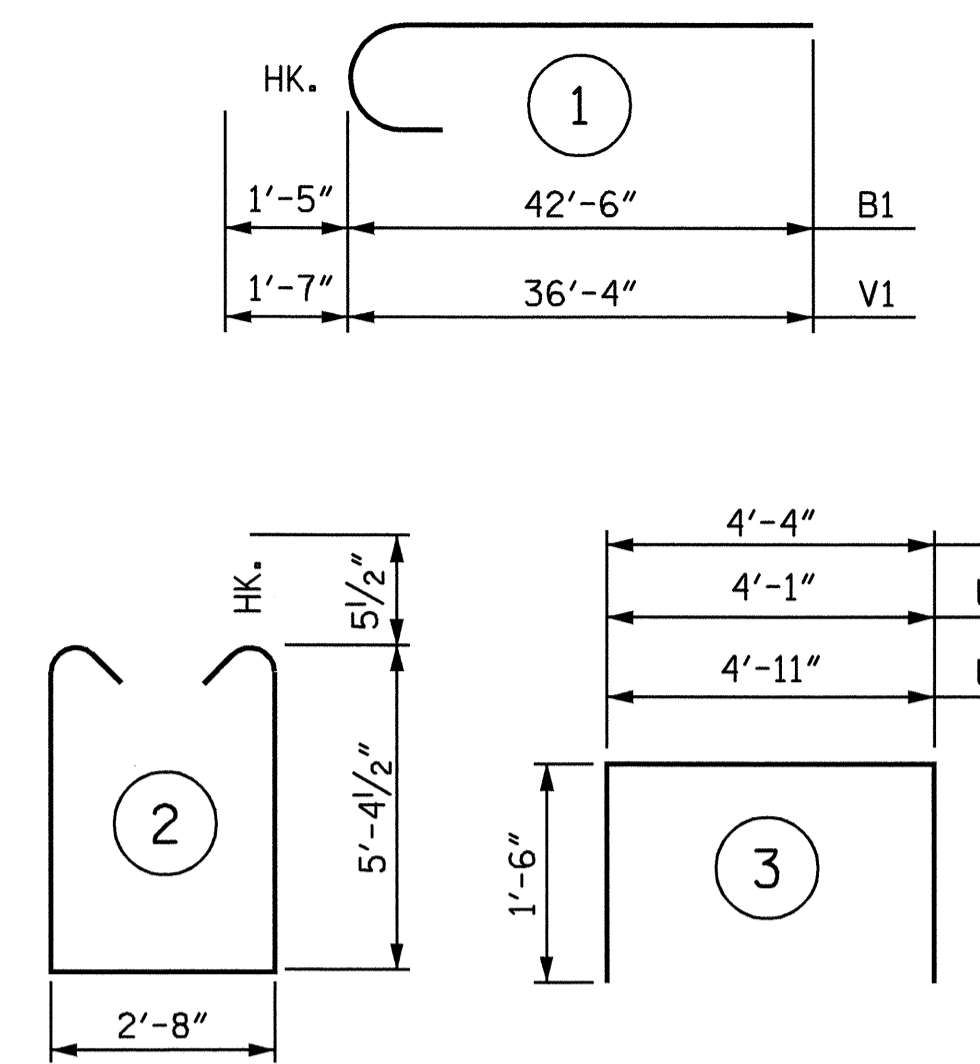
CONSTRUCTION JOINT DETAIL



PLAN OF COLUMNS AND DRILLED PIERS

DIMENSIONS AND REINFORCING STEEL SHOWN ARE TYPICAL FOR EACH DRILLED PIER

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

* THE SP-1 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORMED BAR.

** THE SP-2 SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #4 PLAIN OR DEFORMED BAR.

BILL OF MATERIAL

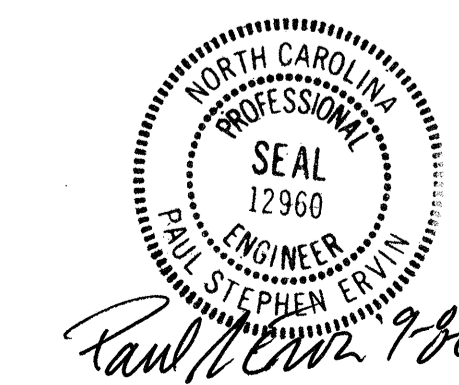
BENT 3 STAGE I						
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	
B1	6	#10	1	43'-11"	1134	
B2	6	#10	STR	39'-5"	1018	
B3	14	#5	STR	34'-6"	504	
B4	6	#4	STR	16'-3"	65	
M1	44	#11	STR	33'-5"	7812	
S1	46	#5	2	14'-4"	688	
U1	31	#4	3	7'-4"	152	
U2	4	#4	3	7'-1"	19	
U3	4	#4	3	7'-11"	21	
V1	44	#11	1	37'-11"	8864	
REINFORCING STEEL				LBS.	20277	
SP-1	2	**	5	670'-6"	1399	
SP-2	2	**	4	1606'-2"	2146	
TOTAL SPIRAL COLUMN REINFORCING STEEL				LBS.	3545	
CLASS 'A' CONCRETE BREAKDOWN						
POUR #2 (COLUMNS)				CU.YD.	31.9	
POUR #3 (CAP)				CU.YD.	32.5	
TOTAL CONCRETE				CU.YD.	64.4	
DRILLED PIER QUANTITIES						
DRILLED PIER CONCRETE						
POUR #1 (DRILLED PIERS)				CU.YD.	27.7	
4'-6" Ø DRILLED PIER NOT IN SOIL				LIN. FT.	13.50	
4'-6" Ø DRILLED PIER IN SOIL				LIN. FT.	33.50	
PERMANENT STEEL CASING FOR 4'-6" Ø DRILLED PIER				LIN. FT.	24.87	
CSL TUBES				LIN. FT.	208.00	

PROJECT NO. I-4025A
YADKIN-SURRY COUNTY
 STATION: 28+95.00-SBL-

SHEET 2 OF 2

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUBSTRUCTURE
 BENT 3
 STAGE I



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

DRAWN BY : B.N.BARODAWALA DATE : 7-12-04
 CHECKED BY : P.S.ERVIN DATE : 8-17-04