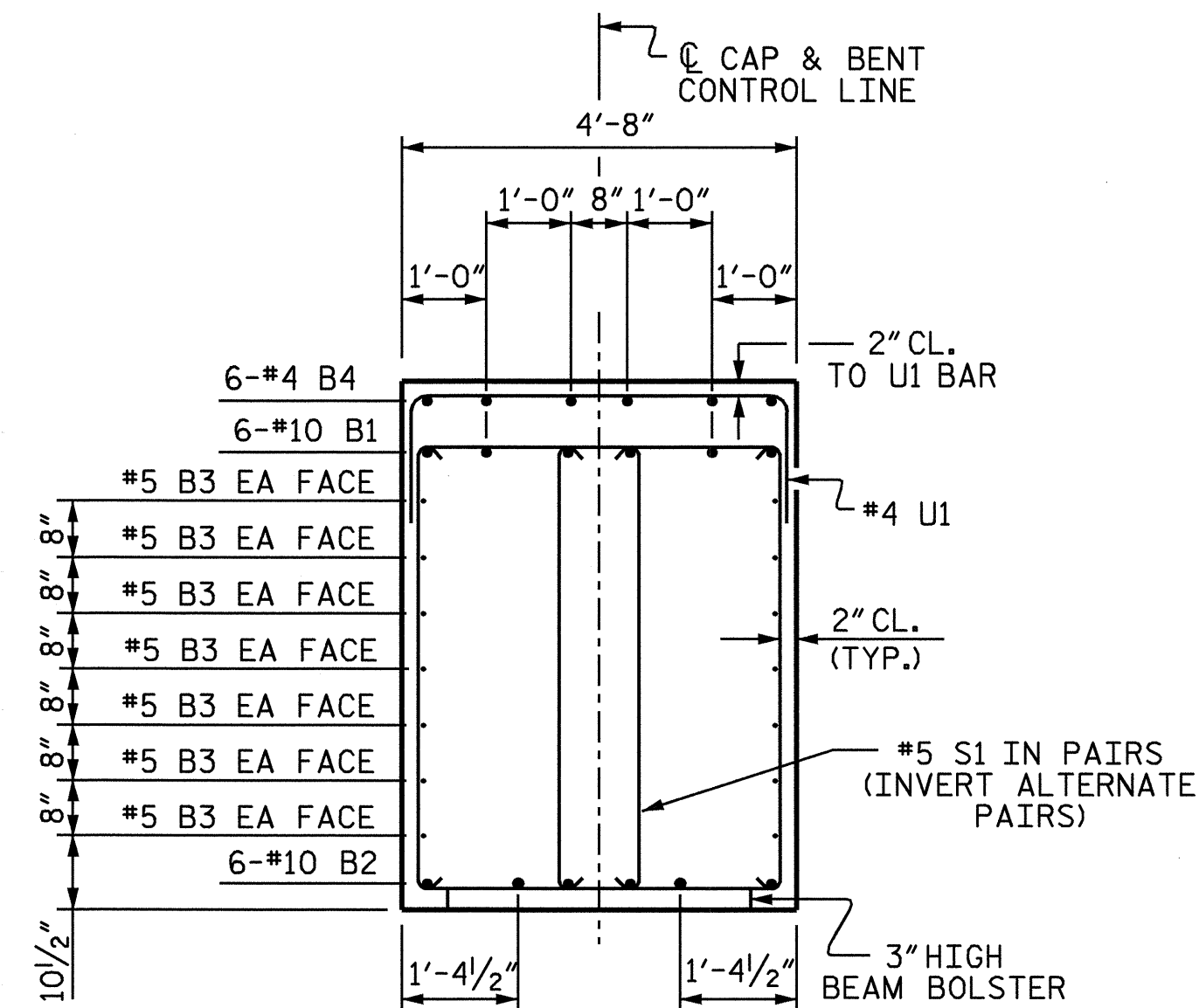
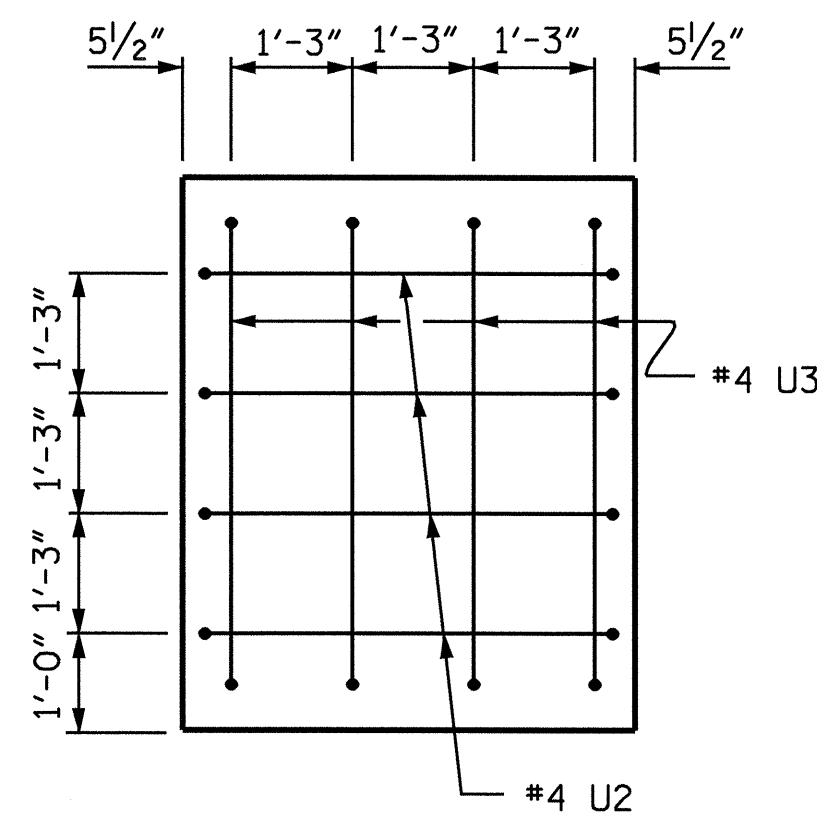


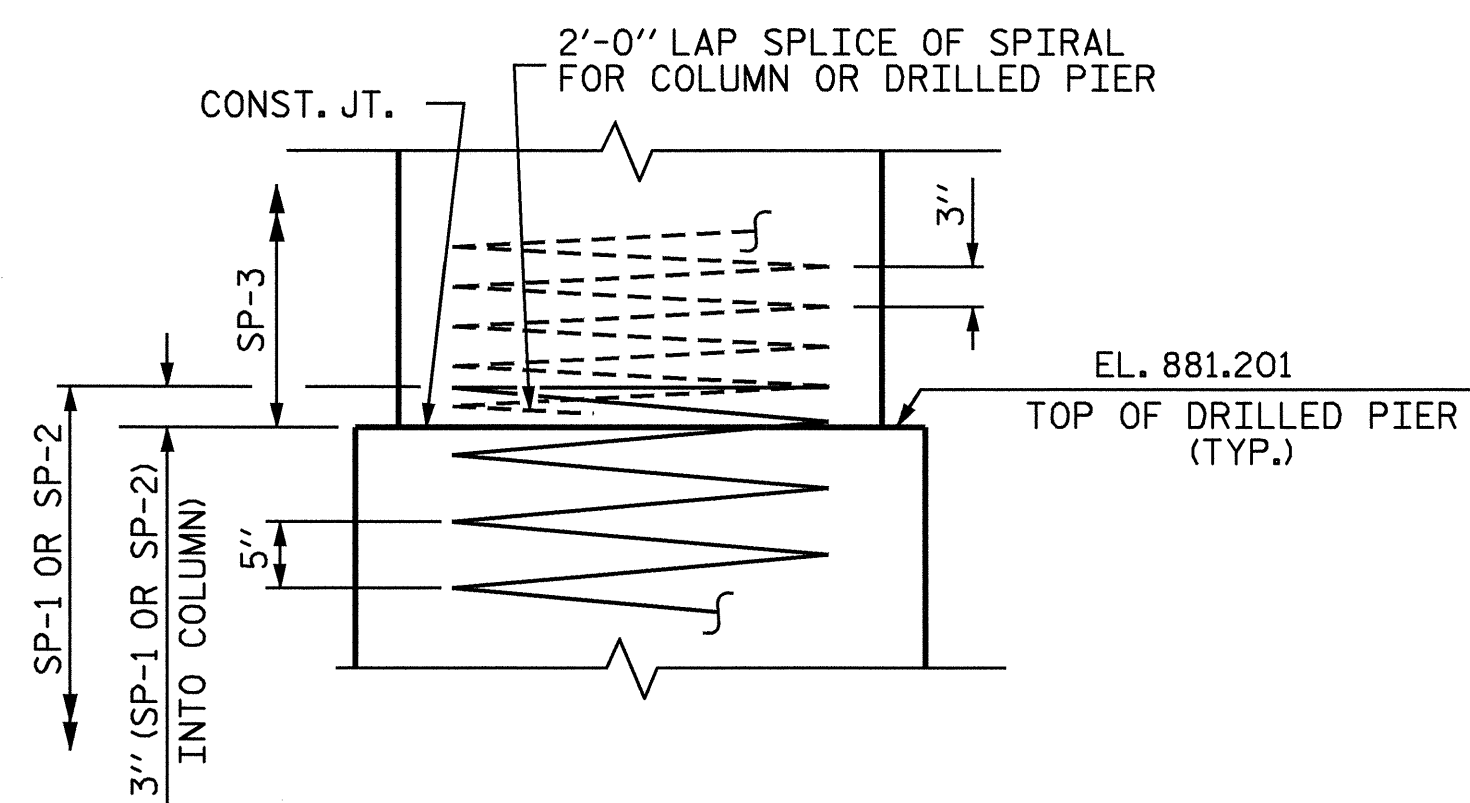
SECTION A-A



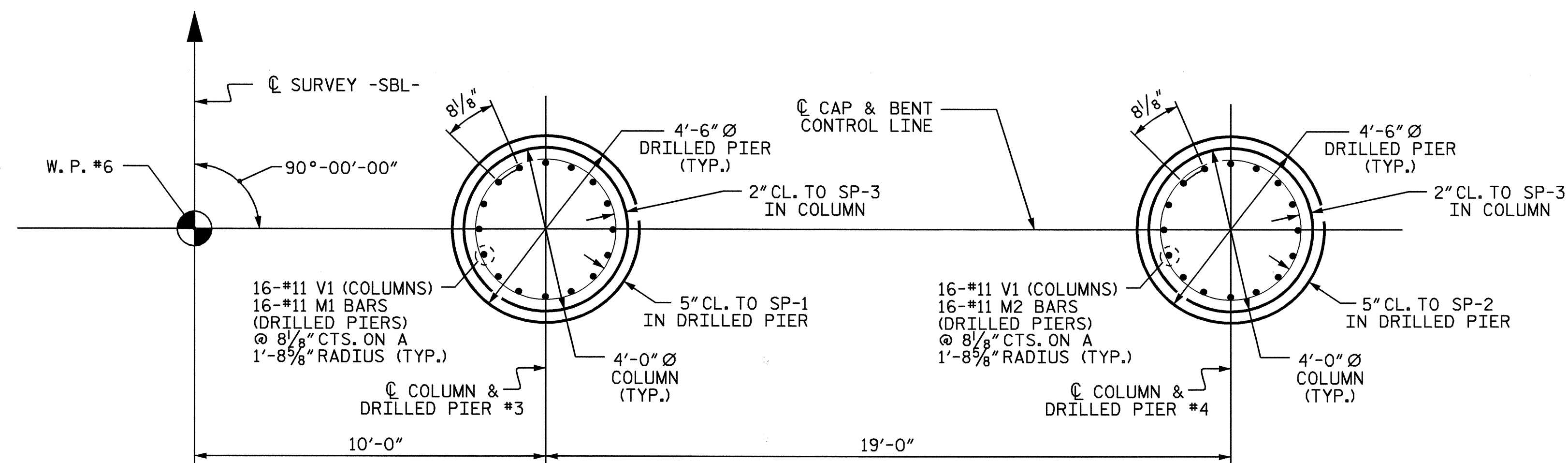
SECTION B-B



RIGHT END VIEW

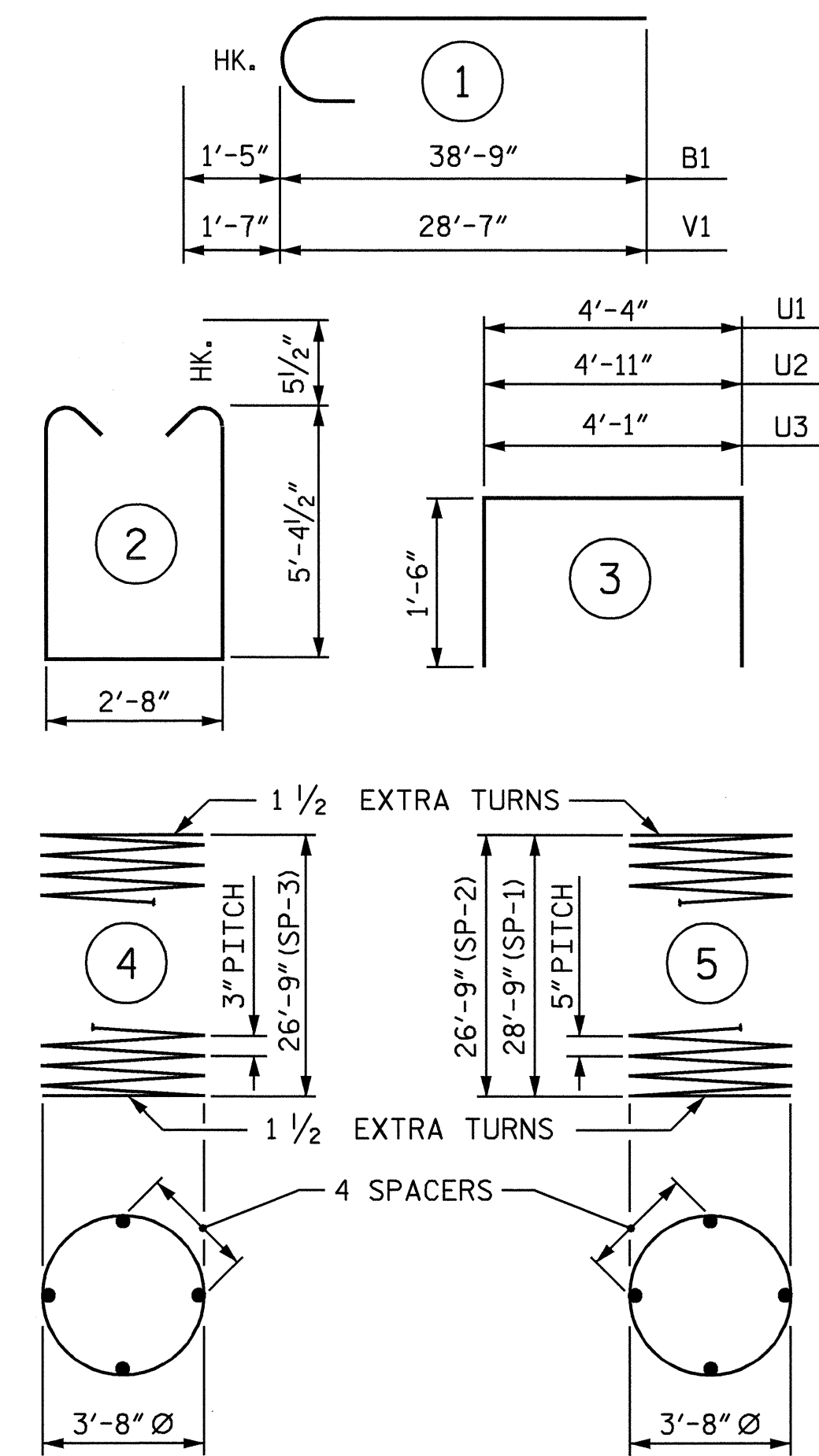


CONSTRUCTION JOINT DETAIL



PLAN OF COLUMNS AND DRILLED PIERS

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

** THE SP-1 AND SP-2 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORMED BAR.

** THE SP-3 SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #4 PLAIN OR DEFORMED BAR.

BILL OF MATERIAL

BENT 5 STAGE II

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	6	#10		40'-2"	1037
B2	6	#10	STR	38'-10"	1003
B3	14	#5	STR	38'-10"	567
B4	6	#4	STR	22'-10"	92
M1	16	#11	STR	39'-3"	3337
M2	16	#11	STR	37'-2"	3159
S1	50	#5	2	14'-4"	747
U1	45	#4	3	7'-4"	220
U2	4	#4	3	7'-1"	19
U3	4	#4	3	7'-11"	21
V1	32	#11	1	30'-2"	5129
REINFORCING STEEL				LBS.	15331
SP-1	1	**	5	818'-2"	853
SP-2	1	**	5	772'-9"	806
SP-3	2	**	4	1253'-1"	1674

TOTAL SPIRAL COLUMN REINFORCING STEEL LBS. 3333

CLASS 'A' CONCRETE BREAKDOWN

POUR	NO.	CU.YD.
POUR #2 (COLUMNS #3)	24.7	
POUR #3 (CAP)	40.8	
TOTAL CONCRETE	65.5	

DRILLED PIER QUANTITIES

DRILLED PIER CONCRETE		CU.YD.
POUR #1 (DRILLED PIERS #3)	33.3	
4'-6" Ø DRILLED PIER NOT IN SOIL	13.00	
4'-6" Ø DRILLED PIER IN SOIL	43.50	
CSL TUBES	246.00	

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 5
STAGE II

REVISIONS

NO.	BY:	DATE:	NO.	BY:	DATE:	SHEET NO.
1			3			5-63
2			4			TOTAL SHEETS 78



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

18-AUG-2004 07:33
W:\Squid\14025a\bbarodawala\I-4025A.sd.B1-6.01.dgn
bbarodawala