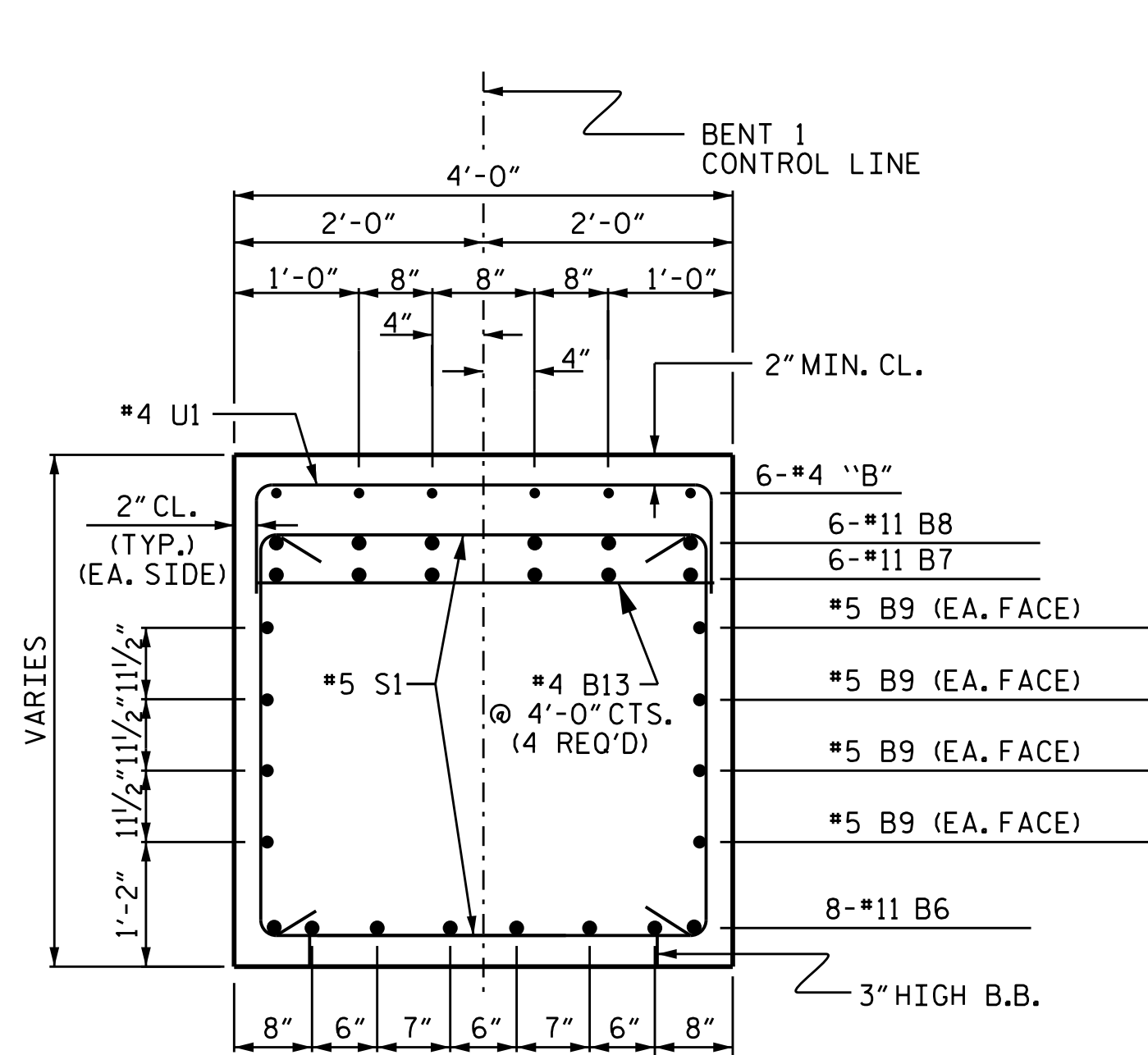
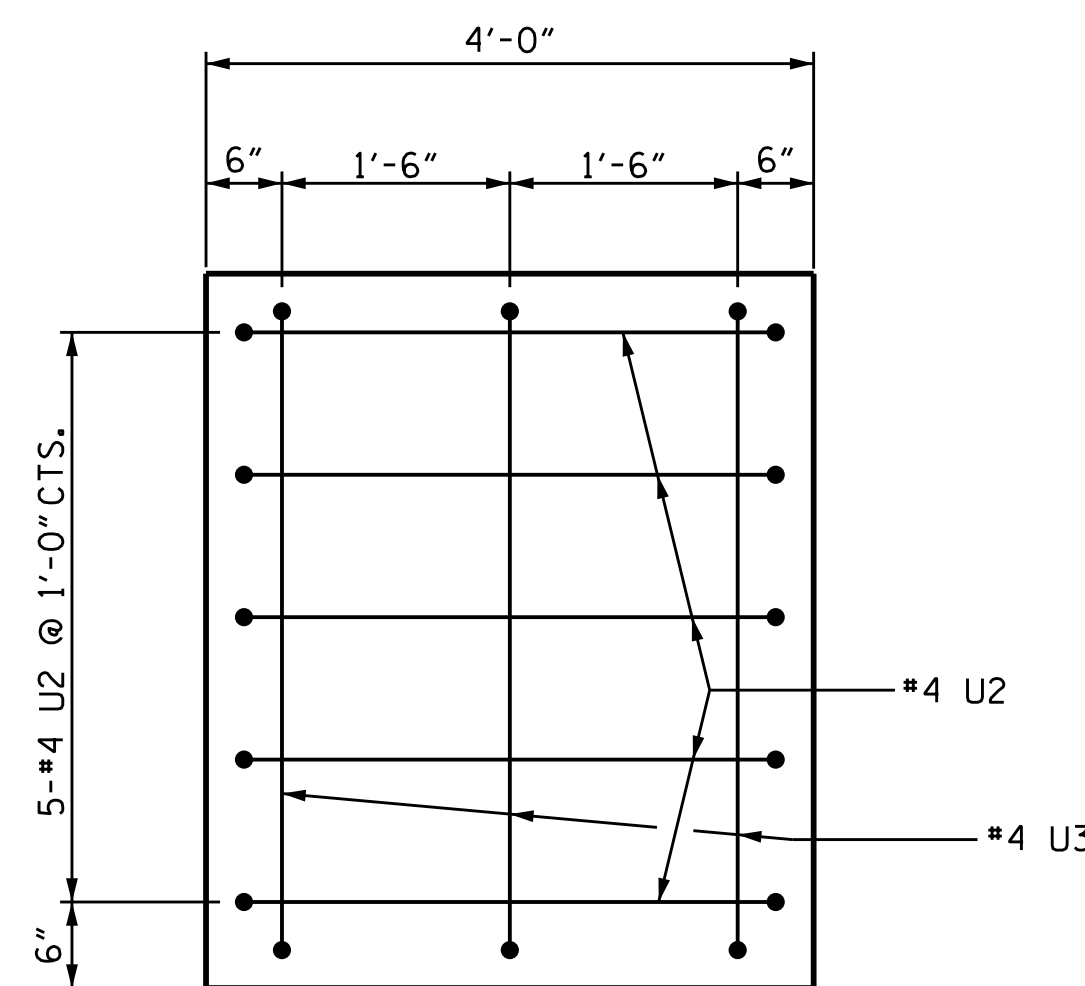


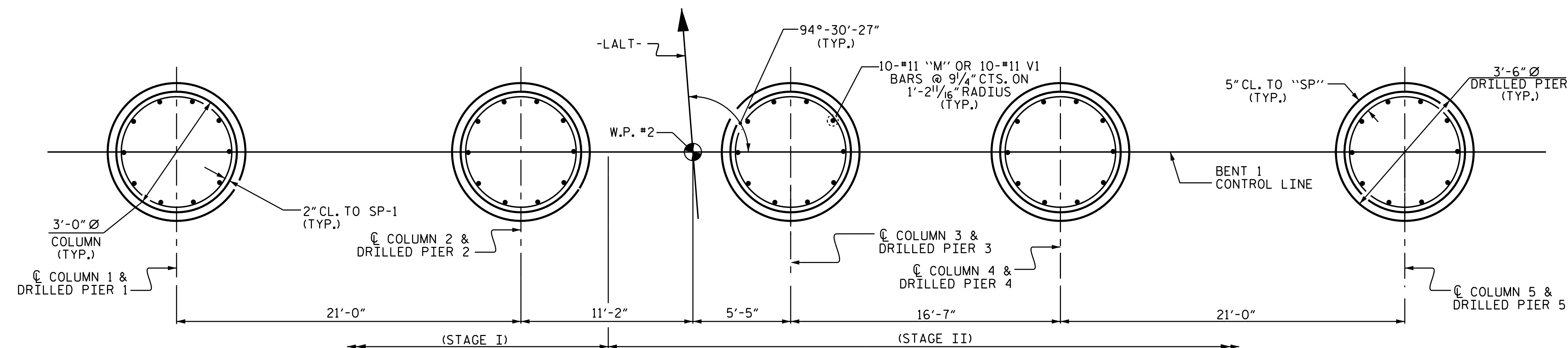
SECTION A-A



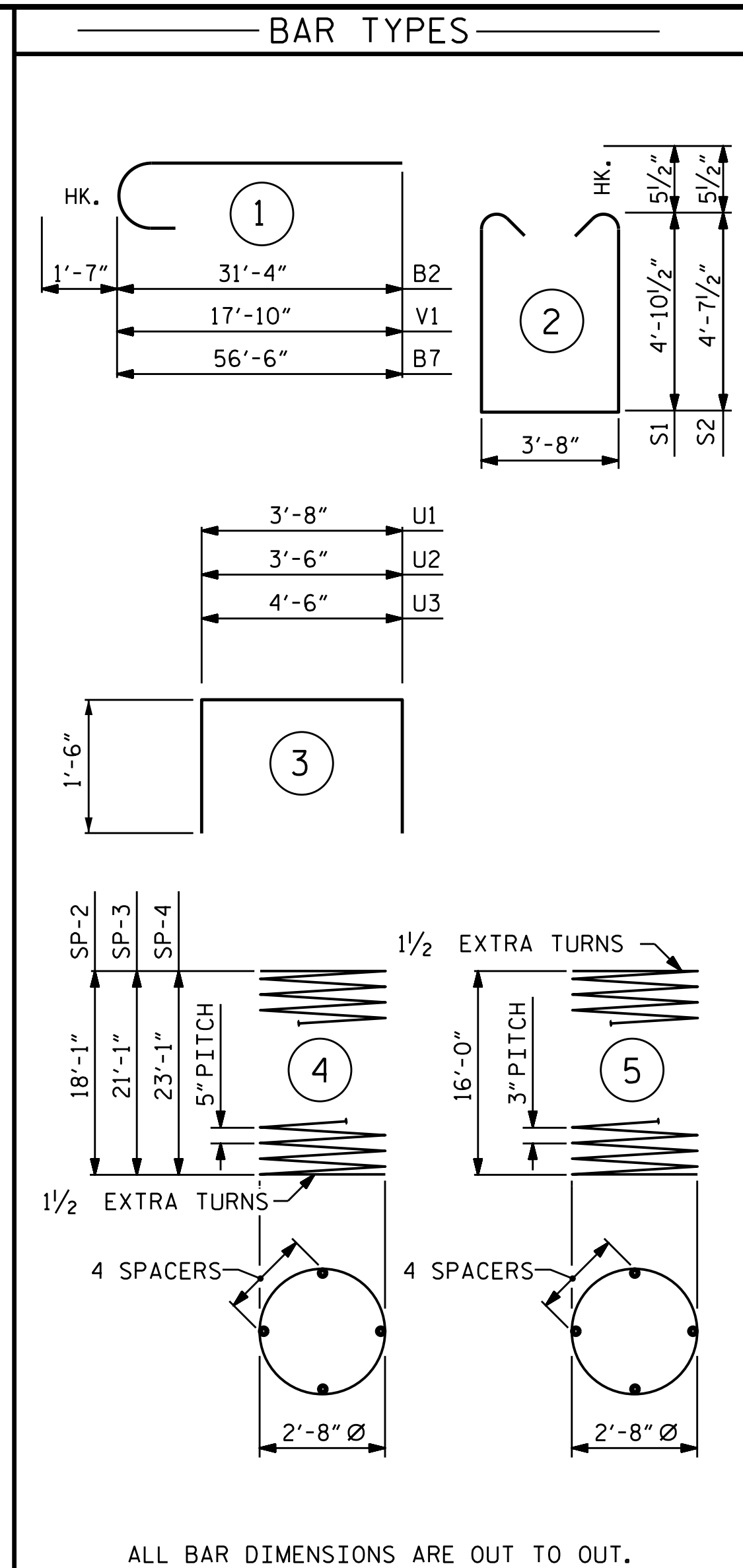
SECTION B-B



END VIEW



PLAN OF COLUMNS AND DRILLED PIERS



ALL BAR DIMENSIONS ARE OUT TO OUT.

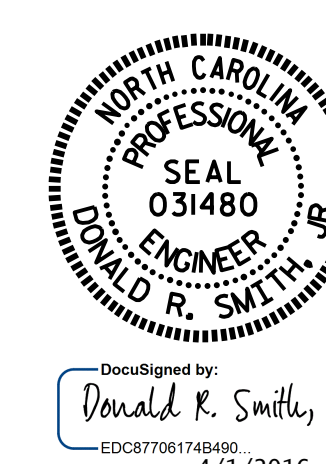
BILL OF MATERIAL-BENT 1

STAGE I						STAGE II					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	8	#11	STR	31'-4"	1332	B6	8	#11	STR	55'-9"	2370
B2	6	#11	1	32'-11"	1049	B7	6	#11	1	58'-1"	1852
B3	8	#5	STR	33'-6"	280	B8	6	#11	STR	14'-6"	462
B4	6	#4	STR	8'-7"	34	B9	8	#5	STR	56'-8"	473
B5	6	#4	STR	3'-8"	15	B10	6	#4	STR	2'-7"	10
						B11	6	#4	STR	2'-1"	8
M1	20	#11	STR	28'-9"	3055	B12	18	#4	STR	9'-10"	118
						B13	4	#4	STR	3'-8"	10
S1	50	#5	2	14'-4"	747						
						M2	10	#11	STR	31'-9"	1687
U1	35	#4	3	6'-8"	156	M3	20	#11	STR	33'-9"	3586
U2	5	#4	3	6'-6"	22						
U3	3	#4	3	7'-6"	15	S1	17	#5	2	14'-4"	254
						S2	65	#5	2	13'-10"	938
V1	20	#11	1	19'-5"	2063						
						U1	59	#4	3	6'-8"	263
						U2	5	#4	3	6'-6"	22
						U3	3	#4	3	7'-6"	15
						V1	30	#11	1	19'-5"	3095
REINFORCING STEEL			LBS.	8,768	REINFORCING STEEL			LBS.	15,163		
SP-1	2	**	5	544'-7"	728	SP-1	3	**	5	544'-7"	1091
SP-2	2	*	4	370'-2"	772	SP-3	1	*	4	435'-11"	455
						SP-4	2	*	4	477'-1"	995
SPIRAL COLUMN REINFORCING STEEL			LBS.	1,500	SPIRAL COLUMN REINFORCING STEEL			LBS.	2,541		
CLASS A CONCRETE BREAKDOWN						CLASS A CONCRETE BREAKDOWN					
POUR #2 - COLUMNS			C.Y.	8.3	POUR #2 - COLUMNS			C.Y.	12.4		
POUR #3 - CAP			C.Y.	24.8	POUR #3 - CAP			C.Y.	46.0		
TOTAL			C.Y.	33.1	TOTAL			C.Y.	58.4		
DRILLED PIER QUANTITIES						DRILLED PIER QUANTITIES					
DRILLED PIER CONCRETE POUR #1 (DRILLED PIERS)			C.Y.	13.3	DRILLED PIER CONCRETE POUR #1 (DRILLED PIERS)			C.Y.	24.5		
3'-6" Ø DRILLED PIER IN SOIL			LIN. FT.	20.66	3'-6" Ø DRILLED PIER IN SOIL			LIN. FT.	43.24		
3'-6" Ø DRILLED PIER NOT IN SOIL			LIN. FT.	16.50	3'-6" Ø DRILLED PIER NOT IN SOIL			LIN. FT.	25.50		
CSL TUBES			LIN. FT.	160.64	CSL TUBES			LIN. FT.	292.96		

* THE SP-2 SP-3 & SP-4 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORMED BAR.
 ** THE SP-1 SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #4 PLAIN OR DEFORMED BAR.

PROJECT NO. U-3308
 DURHAM COUNTY
 STATION: 16+42.70-LALT-

SHEET 3 OF 3



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUBSTRUCTURE
 BENT 1

DRAWN BY: J.D. HAWK DATE: 11/10/14 DESIGN ENGINEER OF RECORD: T.R. PETERSON DATE: 12/17/14
 CHECKED BY: K.D. LAYNE DATE: 11/20/14

REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	S1-38	
1			3			TOTAL SHEETS	
2			4			47	