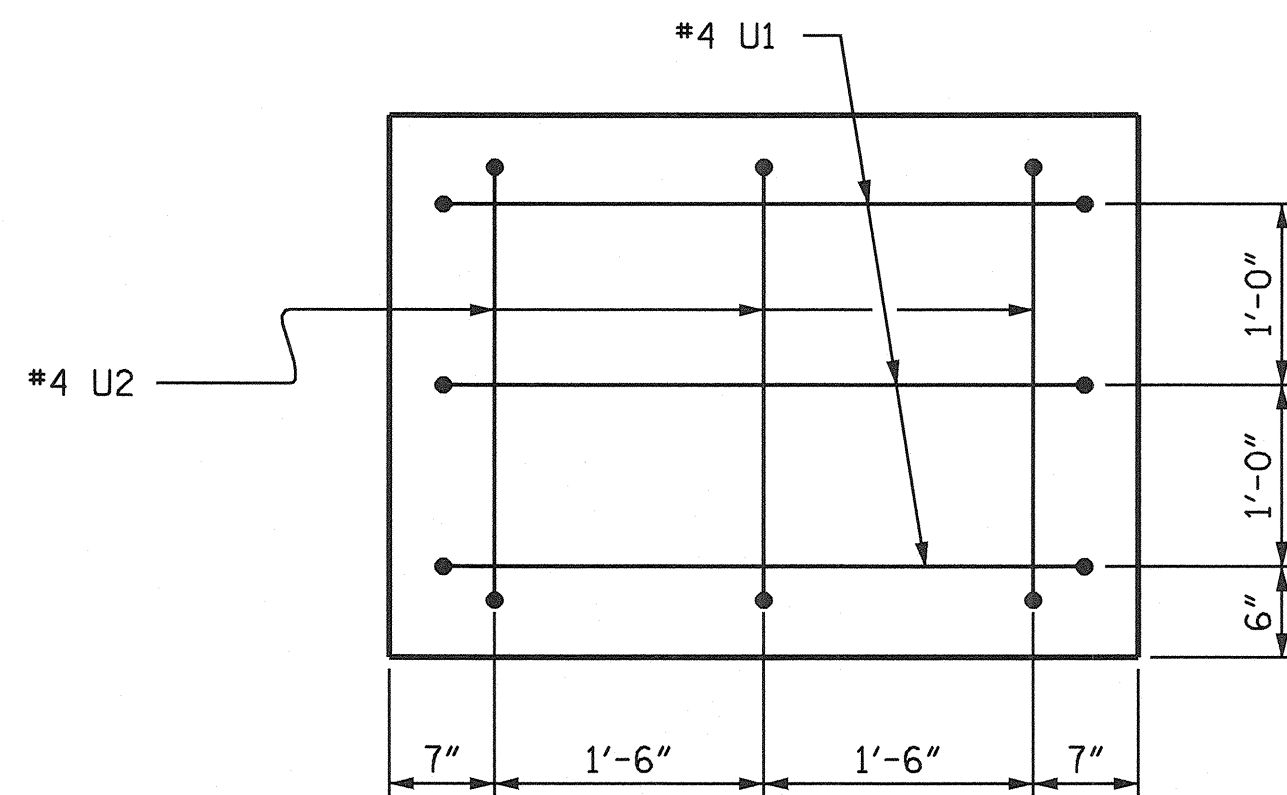
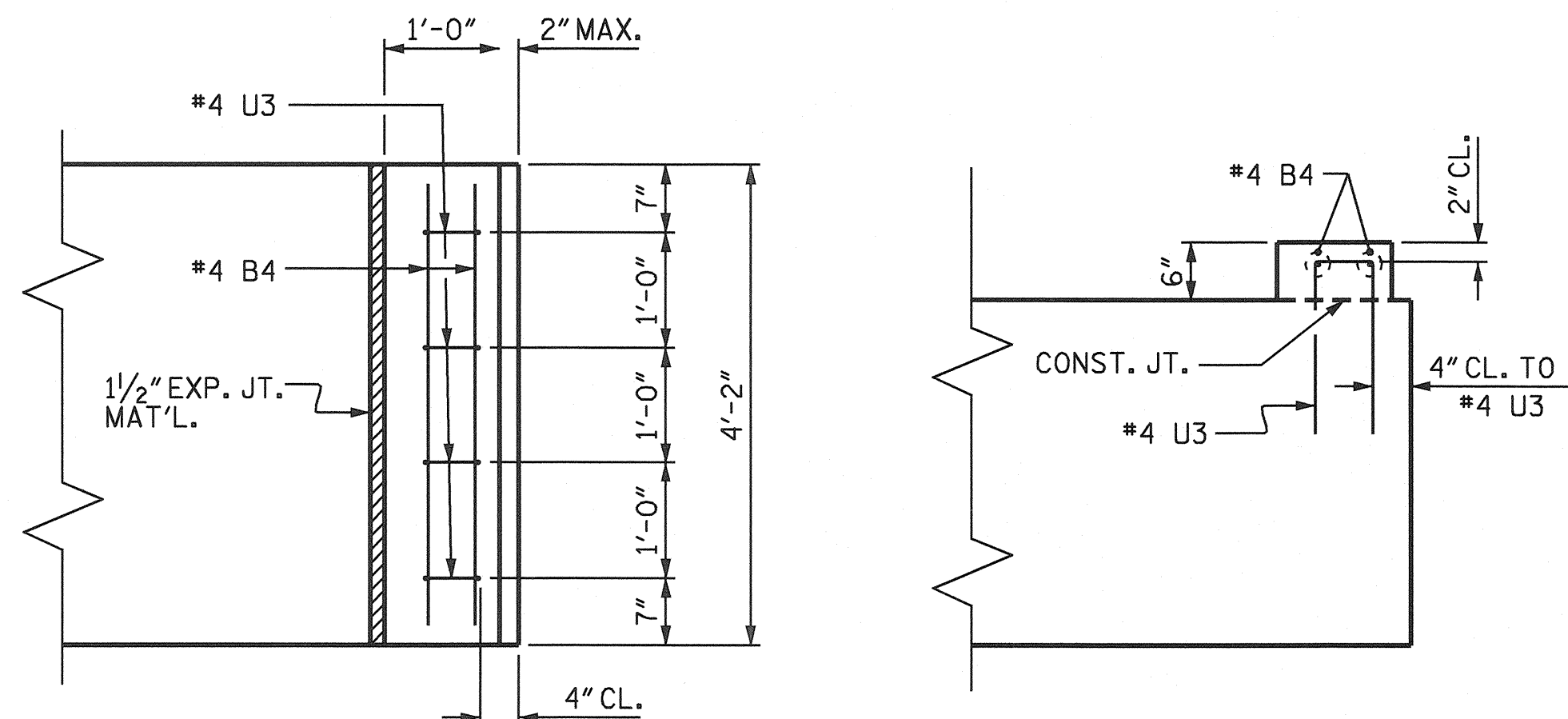


SECTION A-A



END VIEW

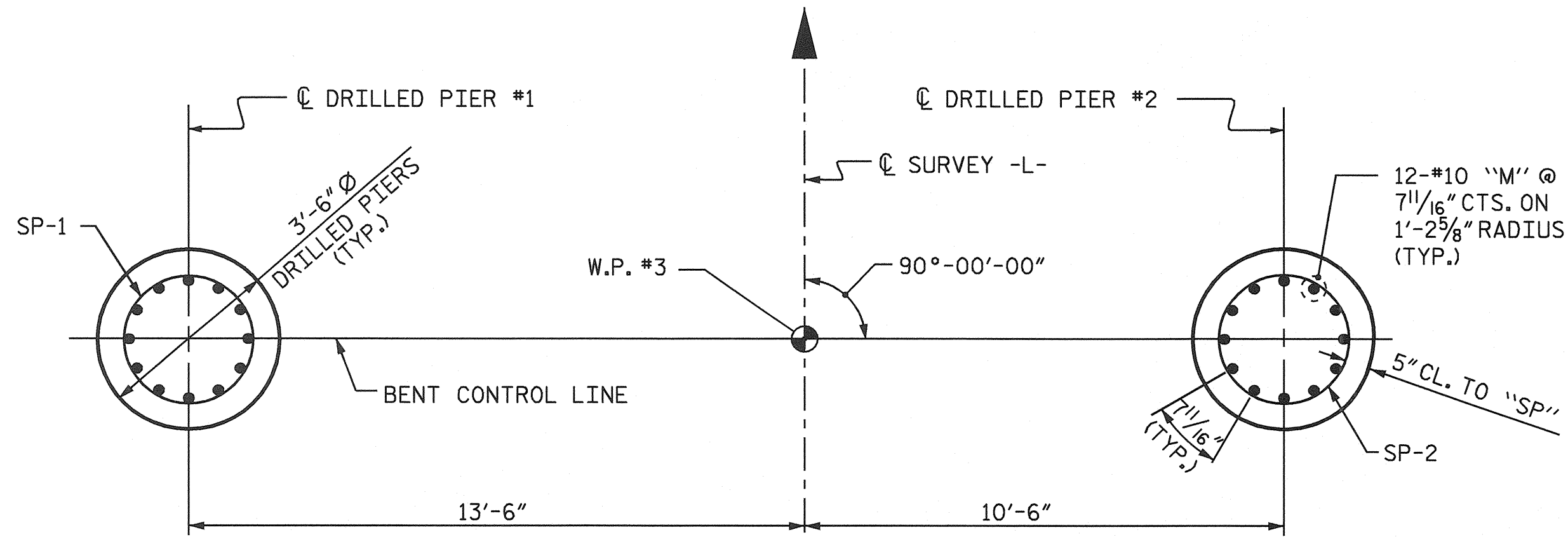


PLAN

ELEVATION

LATERAL GUIDE REINFORCING DETAIL

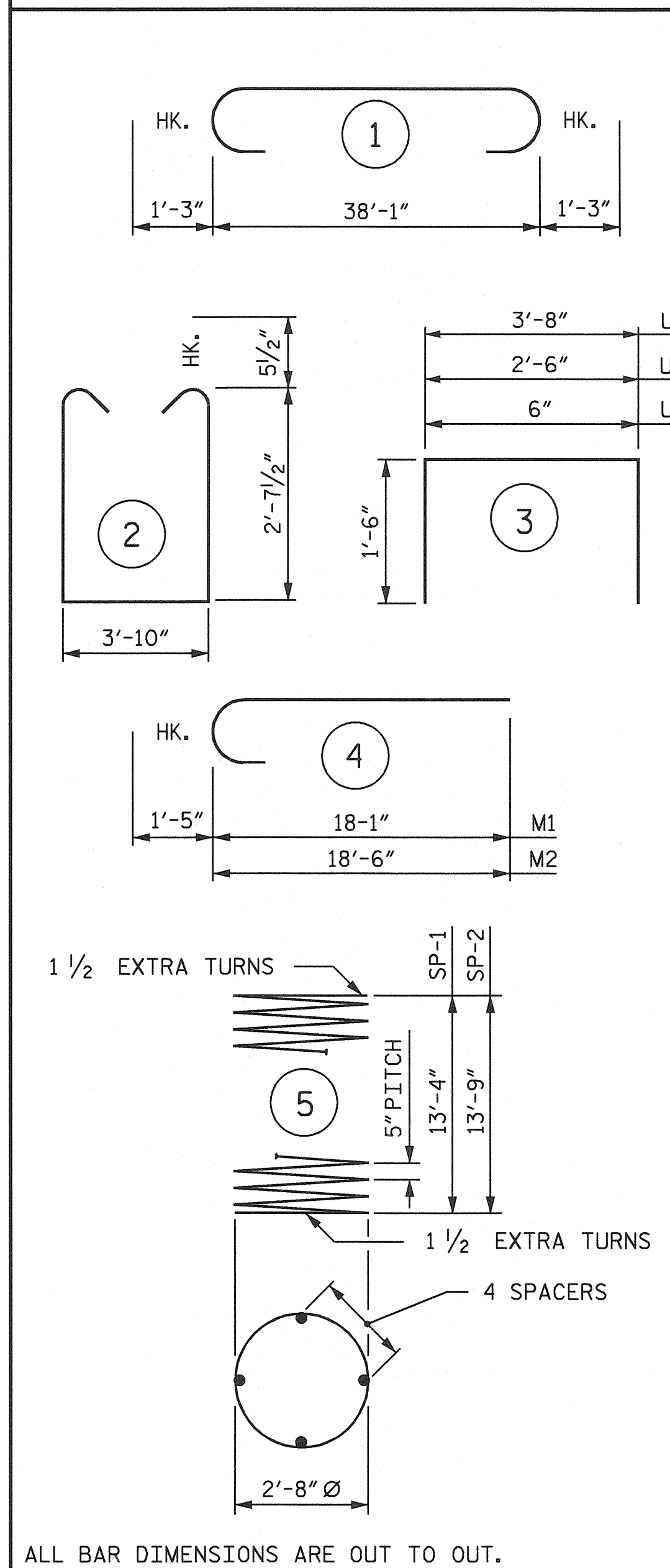
(EACH END SIMILAR)



PLAN OF DRILLED PIERS

(DIMENSION & REINFORCING STEEL ARE TYPICAL FOR EACH DRILLED PIER)

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL

BENT 2

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	6	#9	1	40'-7"	828
B2	6	#11	STR	38'-3"	1219
B3	4	#5	STR	38'-3"	160
B4	4	#4	STR	3'-10"	10

D1	48	#6	STR	1'-6"	108
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M1	12	#10	4	19'-6"	1007
M2	12	#10	4	19'-11"	1028

S1	39	#5	2	10'-0"	407
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U1	6	#4	3	6'-8"	27
U2	6	#4	3	5'-6"	22
U3	8	#4	3	3'-6"	19

REINFORCING STEEL LBS. 4835

SP-1	1	**	5	287'-11"	300
SP-2	1	**	5	296'-1"	309

TOTAL SPIRAL COLUMN REINFORCING STEEL LBS. 609

CLASS A CONCRETE BREAKDOWN

POUR #2 (CAP)	CU. YD.	17.9
POUR #3 (LATERAL GUIDE)	CU. YD.	0.2
TOTAL CONCRETE	CU. YD.	18.1

DRILLED PIER QUANTITIES

DRILLED PIER CONCRETE		
POUR #1 (DRILLED PIERS)	CU. YD.	9.9
3'-6" Ø DRILLED PIER IN SOIL	LIN. FT.	12.75
3'-6" Ø DRILLED PIER NOT IN SOIL	LIN. FT.	15.00
PERMANENT STEEL CASING FOR 3'-6" Ø DRILLED PIER	LIN. FT.	12.86
CSL TUBES	LIN. FT.	131.00

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

PROJECT NO. B-3530  
WAKE COUNTY  
 STATION: 15+83.00 -L-

SHEET 2 OF 2

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

SUBSTRUCTURE  
 BENT 2



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

S-15  
 TOTAL SHEETS  
 21