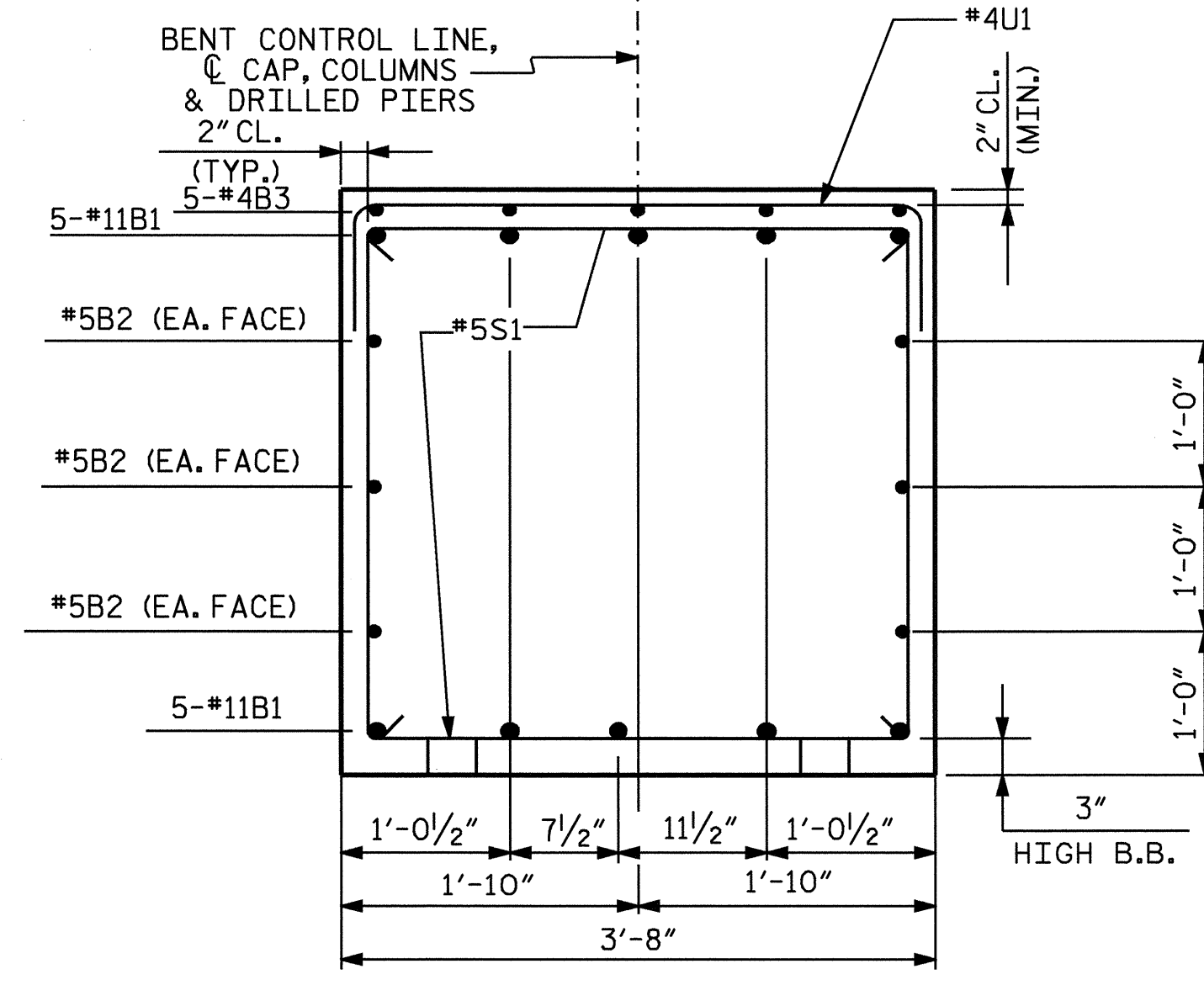
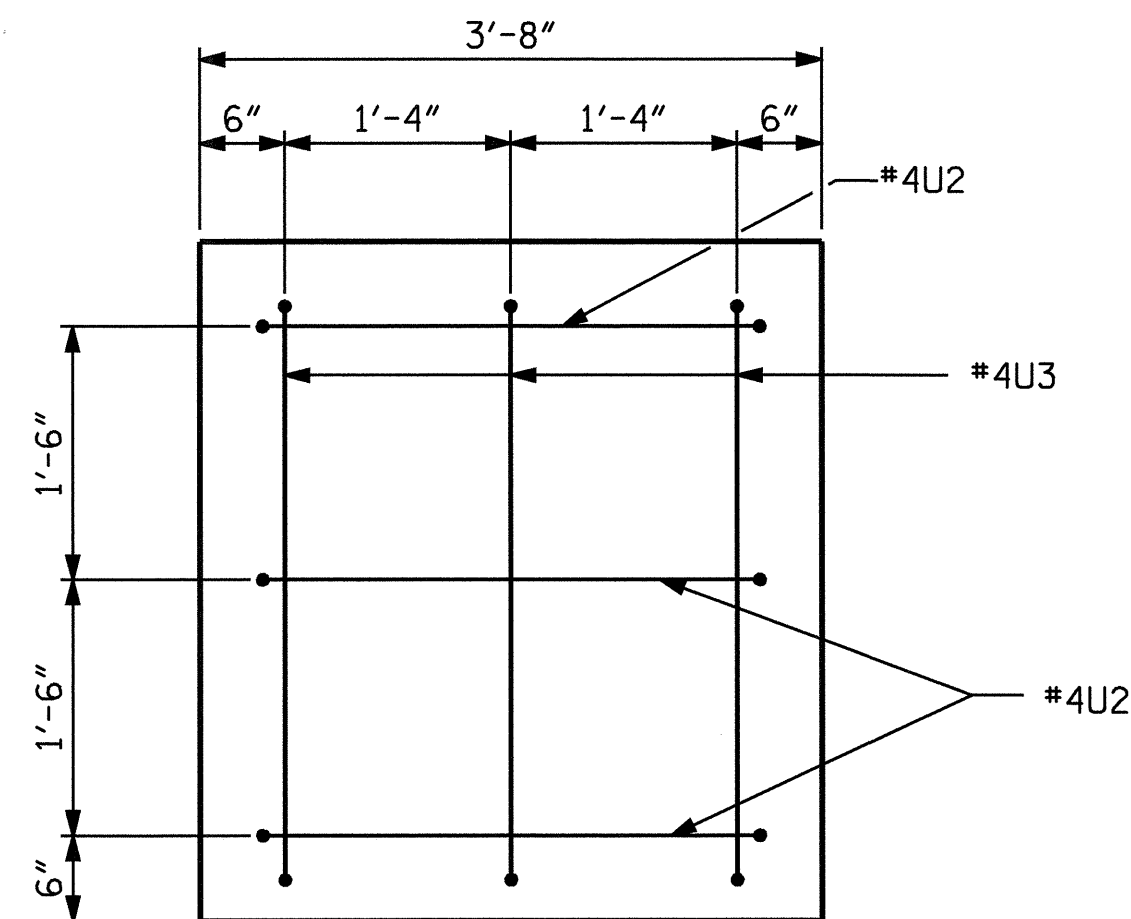


SECTION A-A

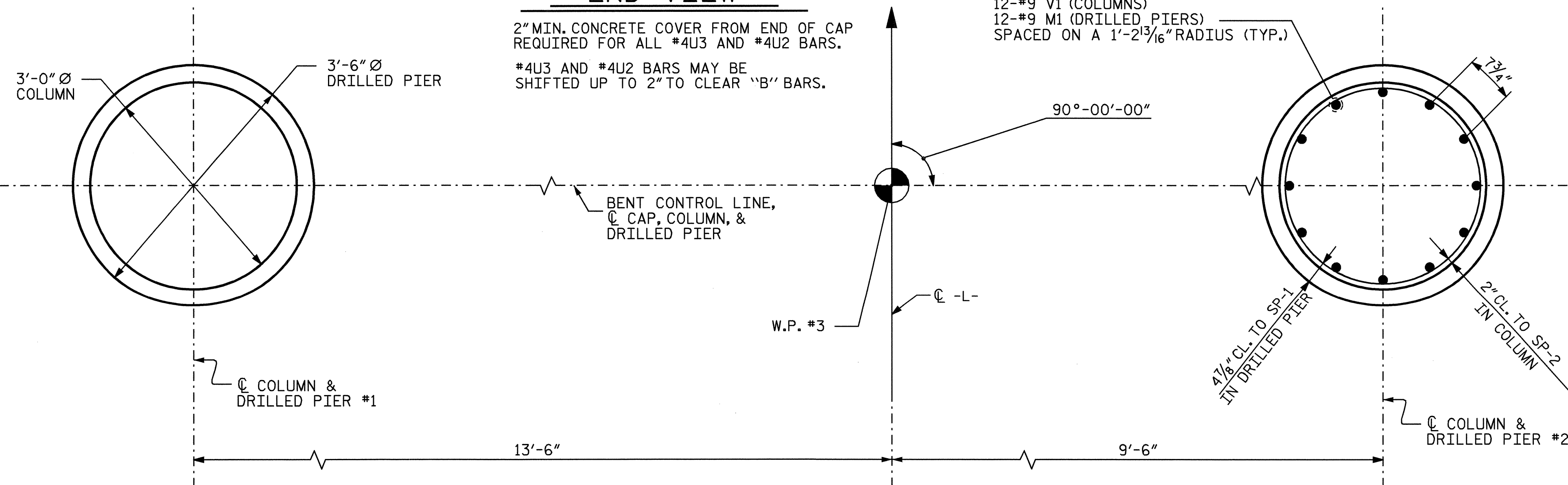


SECTION B-B



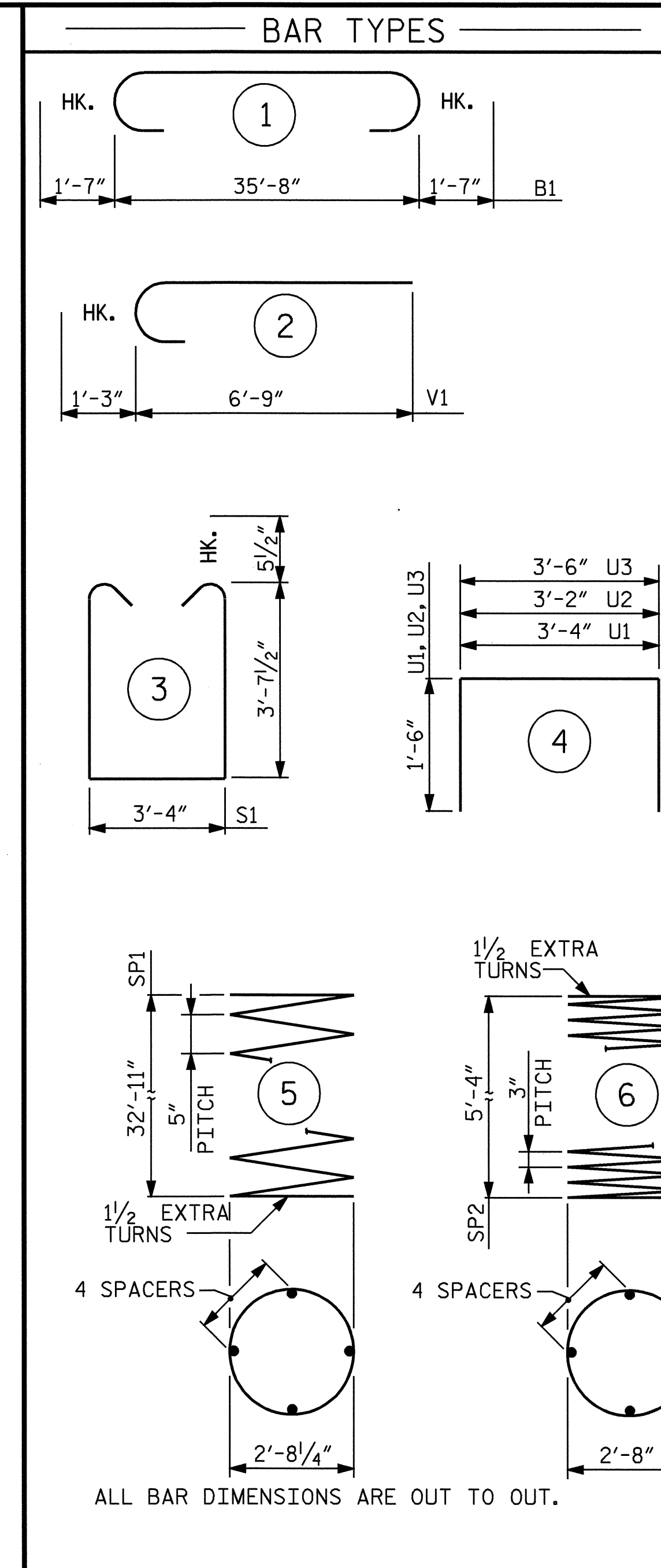
END VIEW

12-#9 V1 (COLUMNS)  
12-#9 M1 (DRILLED PIERS)  
SPACED ON A 1'-2 3/16" RADIUS (TYP.)



PLAN OF COLUMNS AND DRILLED PIERS

ALL COLUMNS AND DRILLED PIERS ARE IDENTICAL



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 #2					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	10	#11		38'-10"	2063
B2	6	#5	STR.	35'-10"	224
B3	5	#4	STR.	10'-9"	36
M1	24	#9	STR.	40'-8"	3318
S1	38	#5		11'-6"	456
U1	33	#4		6'-4"	140
U2	6	#4		6'-2"	25
U3	6	#4		6'-6"	26
V1	24	#9		8'-0"	653

REINFORCING STEEL (LBS.)		6941
SP-1	2	* 5 666'-1" 1389
SP-2	2	** 6 189'-5" 253
SPIRAL REINFORCING STEEL (LBS.)		1642

CLASS A CONCRETE		
POUR #2 (COLUMNS)		2.6 C.Y.
POUR #3 (CAP)		20.3 C.Y.
TOTAL		22.9 C.Y.

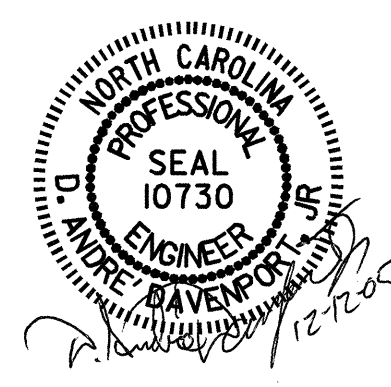
DRILLED PIERS		
DRILLED PIER CONCRETE (CU. YARDS)		
POUR #1 (DRILLED PIERS)		23.8 C.Y.
3'-6" Ø DRILLED PIERS IN SOIL		48.8 FT.
3'-6" Ø DRILLED PIERS NOT IN SOIL		18.0 FT.
SPT TESTING	2 EACH	
SID INSPECTION	1 EACH	
CROSSHOLE SONIC LOGGING	1 EACH	
CSL TUBES		287.2 FT.
PERMANENT STEEL CASING FOR 3'-6" DRILLED PIER		50.8 FT.

PROJECT NO. B-4009  
ANSON COUNTY  
STATION: 38+66.50 -L-

SHEET 2 OF 2

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

**SUBSTRUCTURE BENT #2**



REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-35
1			3			TOTAL SHEETS 64
2			4			

DRAWN BY: A. COLE DATE: 7/05  
CHECKED BY: B. GREEN DATE: 8-05