

NOTES

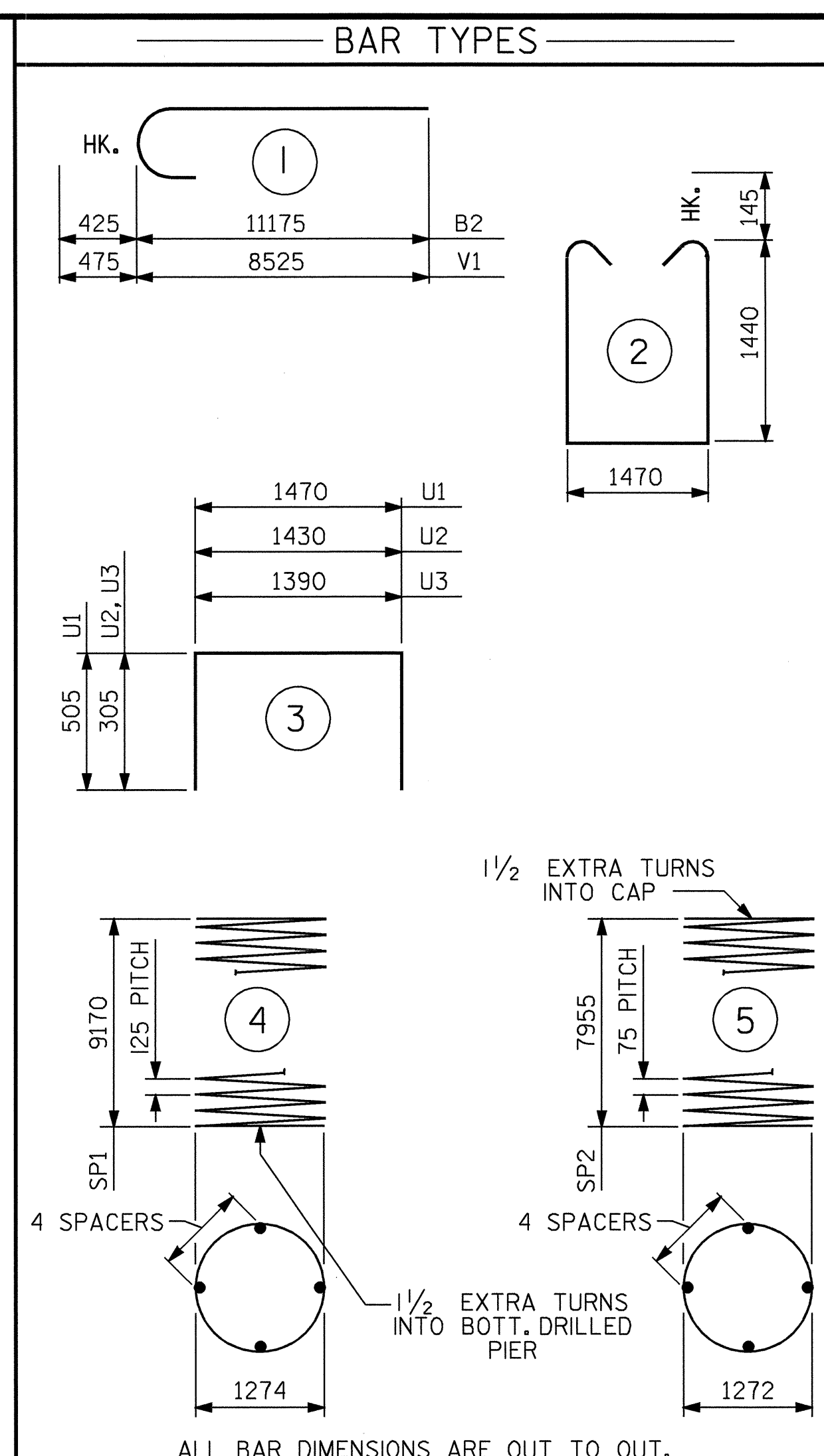
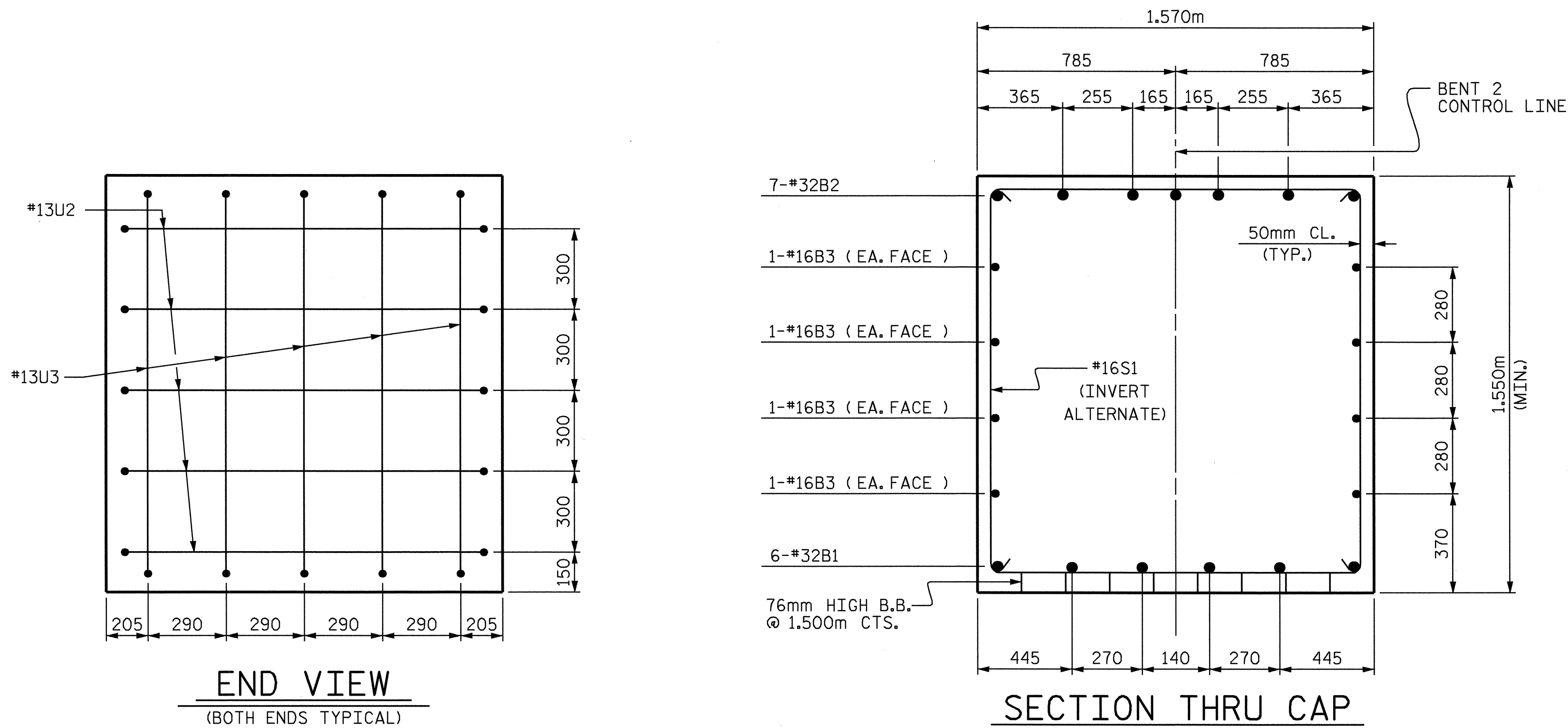
STIRRUPS IN CAP MAY BE SHIFTED AS NECESSARY TO CLEAR ANCHOR BOLTS.

HOOKS ON "V" BARS MAY BE TURNED AS NECESSARY FOR PLACING REINFORCING STEEL.

ALL STEEL IN THE DRILLED PIERS IS INCLUDED IN THE PAY ITEMS FOR REINFORCING STEEL AND SPIRAL COLUMN REINFORCING STEEL.

THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE LONGITUDINAL REINFORCEMENT FOR DRILLED PIERS IS DETAILED WITH ONE METER OF EXTRA LENGTH.

THE LOCATION OF THE CONSTRUCTION JOINT IN THE DRILLED PIER IS BASED ON AN APPROXIMATE GROUND LINE ELEVATION. IF THE CONSTRUCTION JOINT IS ABOVE THE ACTUAL GROUND LINE ELEVATION, THE CONTRACTOR SHALL PLACE THE CONSTRUCTION JOINT 300mm BELOW THE GROUND LINE.

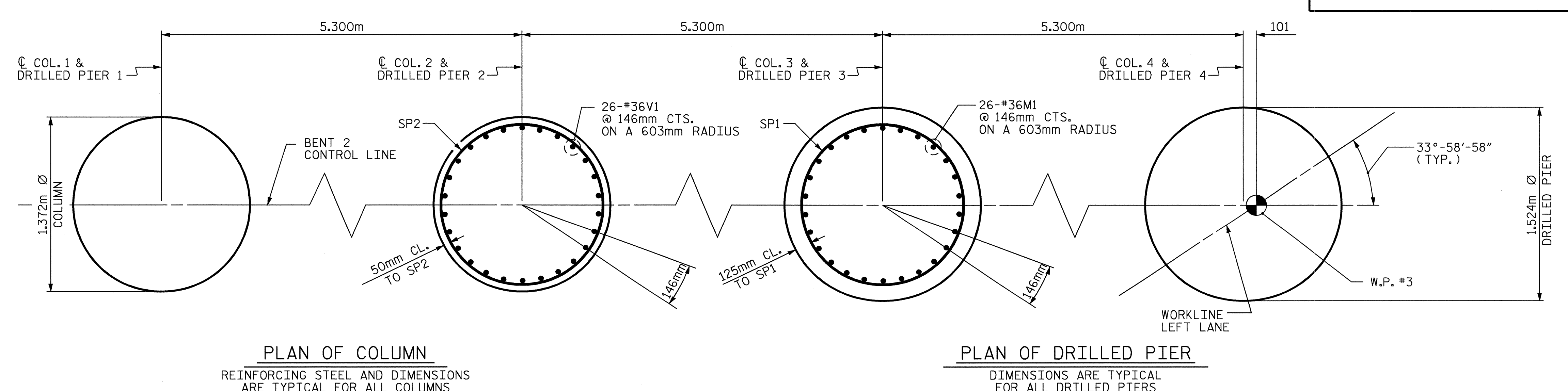


BILL OF MATERIAL					
BENT 2					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	12	#32	STR	10720	824
B2	14	#32	1	11600	1041
B3	24	#16	STR	6960	259
B4	7	#13	STR	7020	49
M1	104	#36	STR	12440	10230
S1	53	#16	2	4640	382
U1	38	#13	3	2480	94
U2	10	#13	3	2040	20
U3	10	#13	3	2000	20
V1	104	#36	1	9000	7401
REINFORCING STEEL				kg	20320
SPIRAL COLUMN REINFORCING STEEL					
SP1	4	**	4	297540	1847
SP2	4	***	5	426360	1695
SPIRAL COLUMN REINFORCING STEEL				kg	3542
DRILLED PIER CONCRETE BREAKDOWN					
POUR #1	CU. METERS	68.0			
DRILLED PIERS					
CLASS A CONCRETE BREAKDOWN					
POUR #2	CU. METERS	46.6			
COLUMNS					
POUR #3	CU. METERS	48.6			
CAP					
CLASS A CONCRETE TOTAL	CU. METERS	95.2			
1524mm Ø DRILLED PIERS IN SOIL					
	METERS	17.7			
1524mm Ø DRILLED PIERS NOT IN SOIL					
	METERS	19.6			
CSL TUBES	METERS	162.72			
CROSSHOLE SONIC LOGGING	1 EA.				

ALL BAR DIMENSIONS ARE OUT TO OUT.

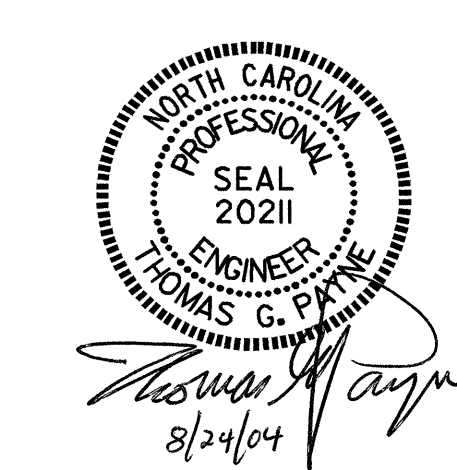
** THE SP1 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #16 PLAIN OR DEFORMED BAR.

*** THE SP2 SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #13 PLAIN OR DEFORMED BAR.



PLAN OF COLUMNS AND DRILLED PIERS

PROJECT NO. R-2206B
LINCOLN COUNTY
 STATION: 123+38.105 -L-
 SHEET 2 OF 2



STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
SUBSTRUCTURE BENT 2 (LEFT LANE)					
REVISIONS					SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
					TOTAL SHEETS 86

DRAWN BY : H.A. LOCKLEAR DATE : 3/30/01
 CHECKED BY : M.J. OSTRISHKO DATE : 4/20/01

20-AUG-2004 15:47
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 klayne