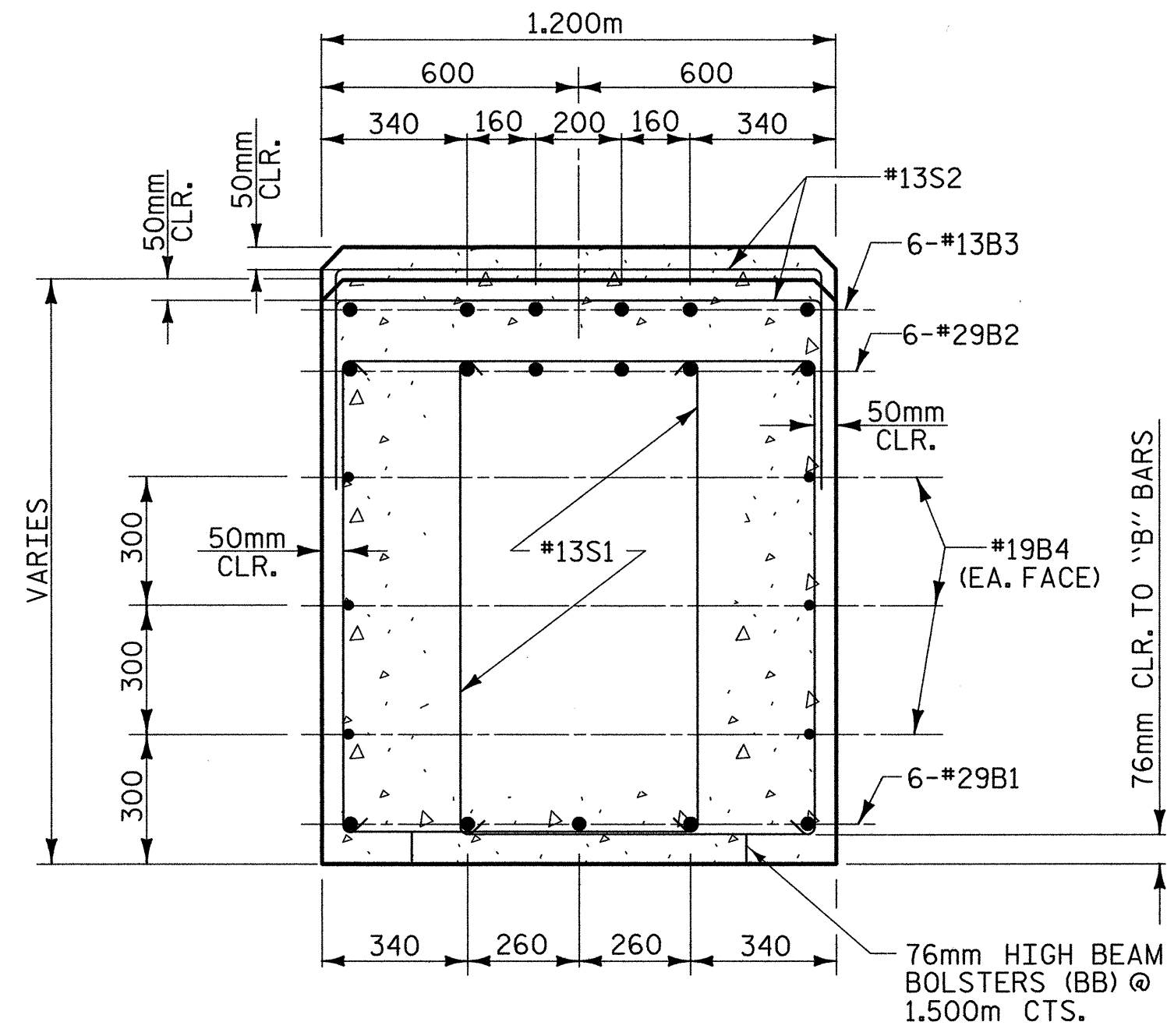
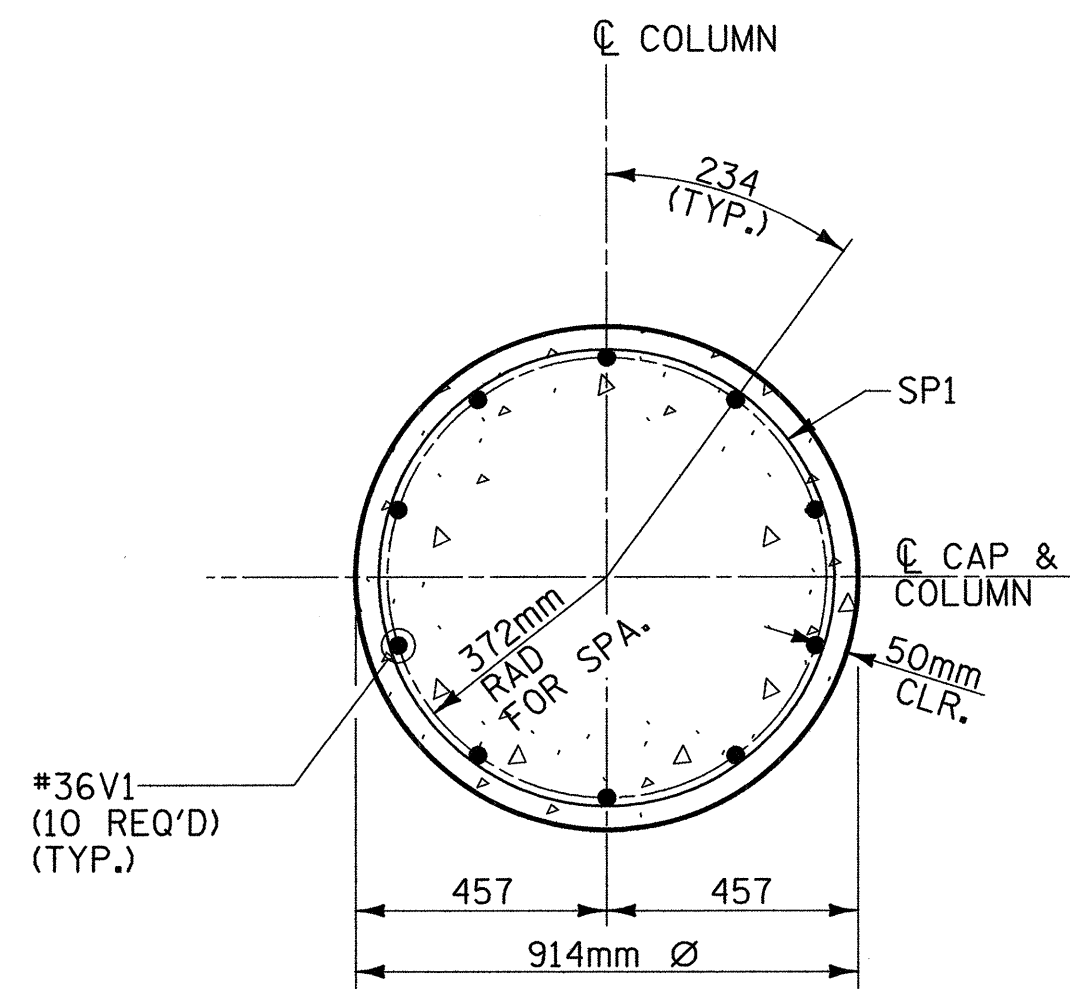


SECTION A-A



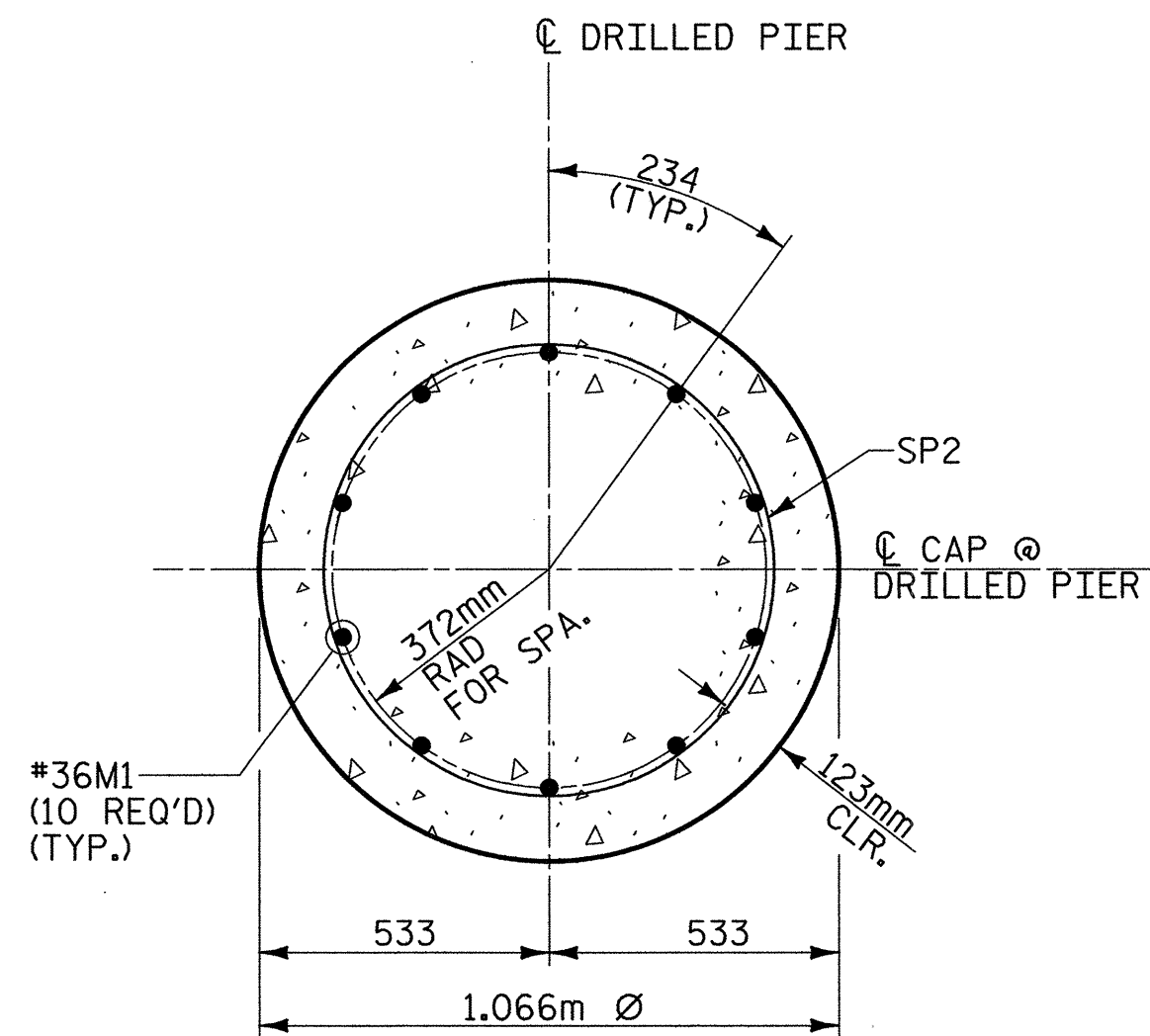
SECTION B-B

NOTES:
 STIRRUPS IN THE CAP MAY BE SHIFTED AS NECESSARY TO CLEAR ANCHOR BOLTS.
 HOOKS ON "V" BARS MAY BE TURNED AS NECESSARY FOR PLACING REINFORCING STEEL.
 THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE LONGITUDINAL REINFORCEMENT FOR THE DRILLED PIERS IS DETAILED WITH ONE METER OF EXTRA LENGTH.
 ALL STEEL IN THE DRILLED PIERS IS INCLUDED IN THE PAY ITEMS FOR "REINFORCING STEEL" AND "SPIRAL COLUMN REINFORCING STEEL".



SECTION THRU COLUMN

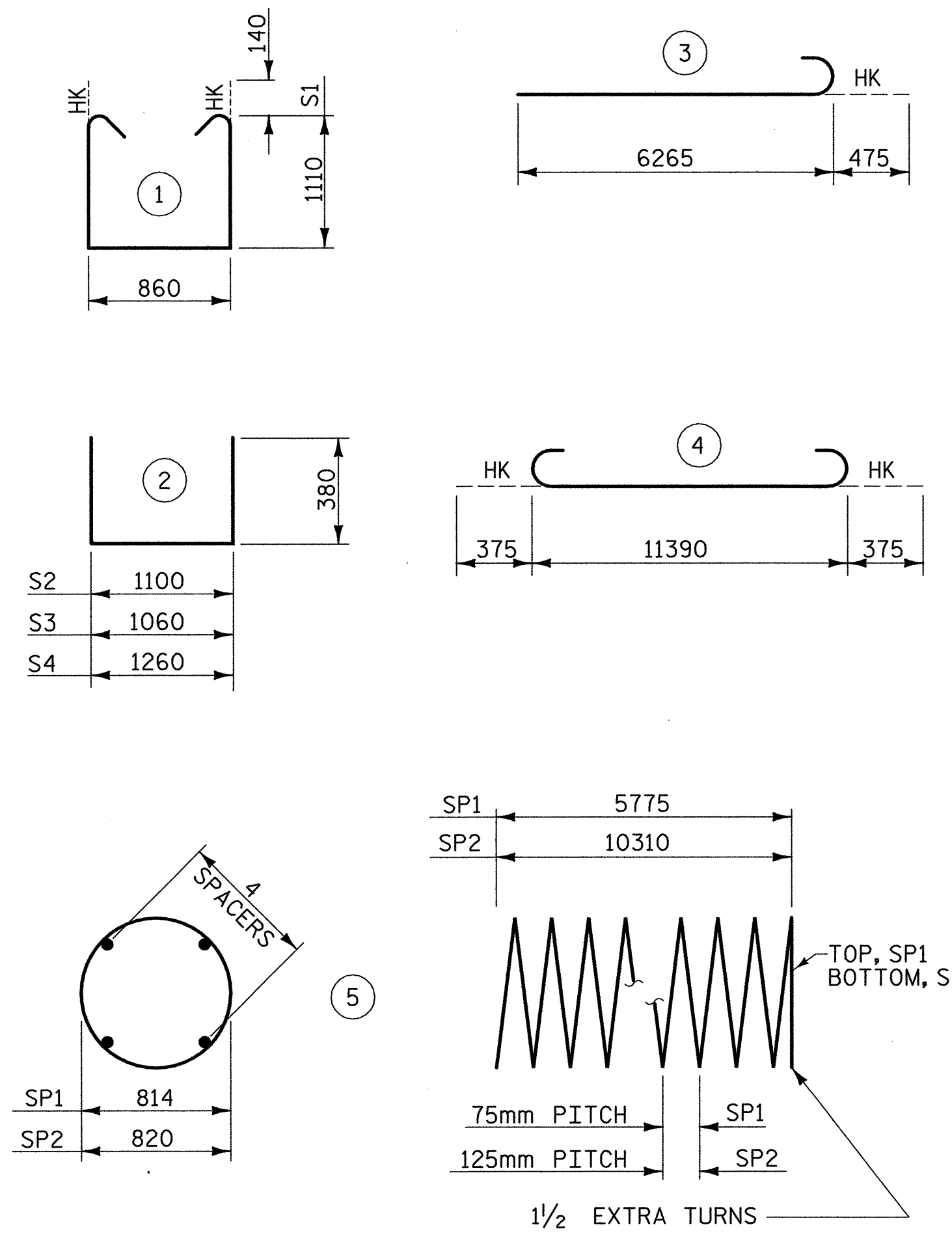
(ALL COLUMNS SIMILAR)
 (SEE ELEVATION FOR BAR MARKS)



SECTION THRU DRILLED PIER

(ALL DRILLED PIERS OTHER COLUMNS SIMILAR)
 (SEE ELEVATION FOR BAR MARKS)

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

** THE SP1 SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #13 PLAIN OR DEFORMED BAR
 THE SP2 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #16 PLAIN OR DEFORMED BAR

BILL OF MATERIAL

FOR BENT 4					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	5	#29	STR	11400	226
B2	6	#29	4	12140	289
B3	6	#13	STR	4500	27
B4	6	#19	STR	11400	153
M1	30	#36	STR	13640	3236
S1	84	#13	1	3360	281
S2	33	#13	2	1860	61
S3	14	#13	2	1820	25
S4	4	#13	2	2020	8
V1	30	#36	3	6740	1599
TOTAL REINFORCING STEEL =				5905 kg	
SP1	3	**	5	193608	577
SP2	3	**	5	208069	969
SPIRAL COLUMN REINFORCING STEEL =				1546 kg	
CLASS "A" CONCRETE - CU. METERS					
POUR 2 (COLUMNS)				11.2 C.M.	
POUR 3 (CAP)				18.0 C.M.	
TOTAL				29.2 C.M.	
DRILLED PIER @ BENT 4					
1066mm DIA. DRILLED PIERS IN SOIL =				24.1 LIN M.	
1066mm DIA. DRILLED PIERS NOT IN SOIL =				6.9 LIN M.	
CSL TUBES =				134.1 LIN M.	
DRILLED PIER CONC. (FOR INFORMATION ONLY) =				27.7 C.M.	

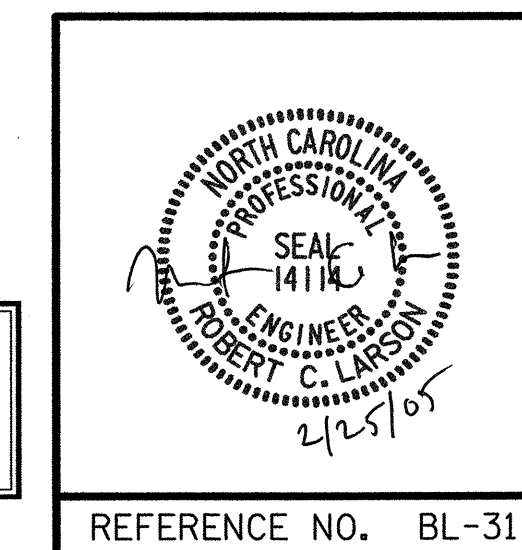


PROJECT NO. R-2552C
JOHNSTON COUNTY
 STATION: 109+56.000 -L2LT- POT

SHEET 2 OF 2

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

**SUBSTRUCTURE
 BENT 4
 (LEFT LANE)**



REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			5-214
2			4			43

REFERENCE NO. BL-31

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DRAWN BY: J. P. SHERMAN DATE: 12/04
 CHECKED BY: R. C. LARSON DATE: 12/04