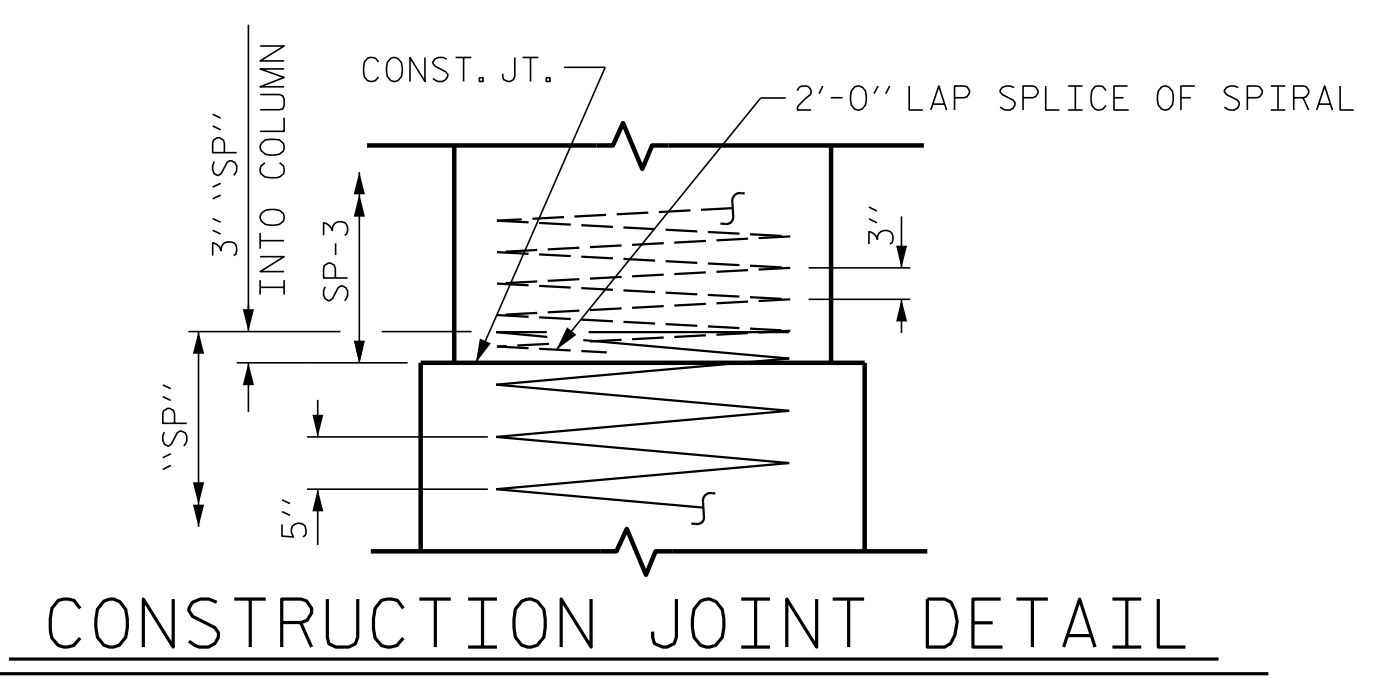
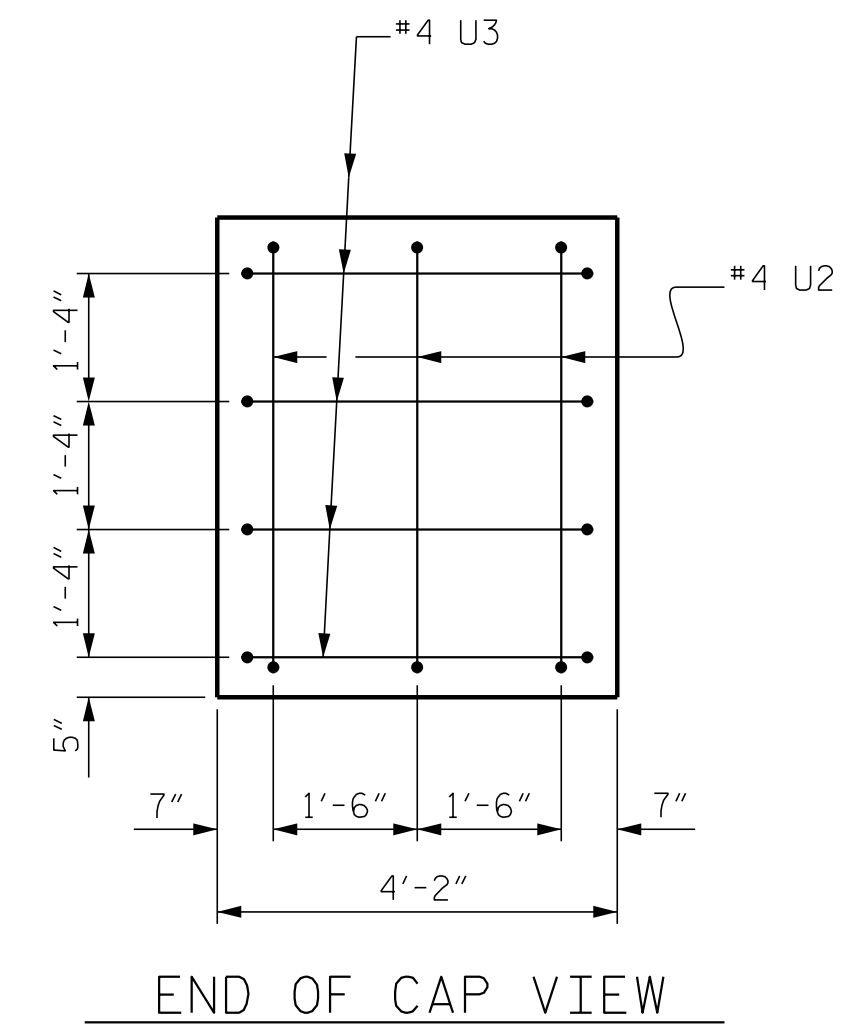


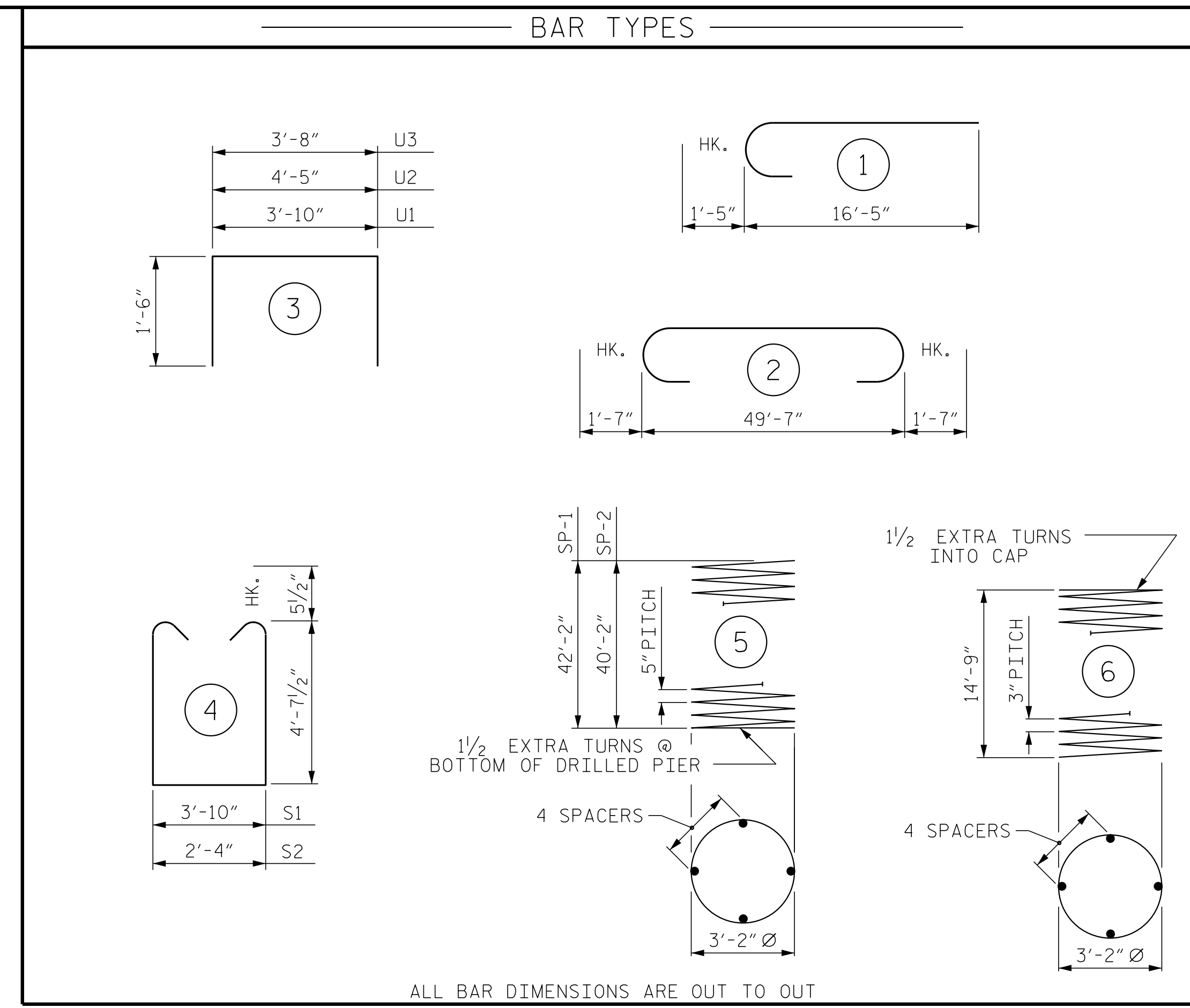
END ELEVATION



CONSTRUCTION JOINT DETAIL



END OF CAP VIEW

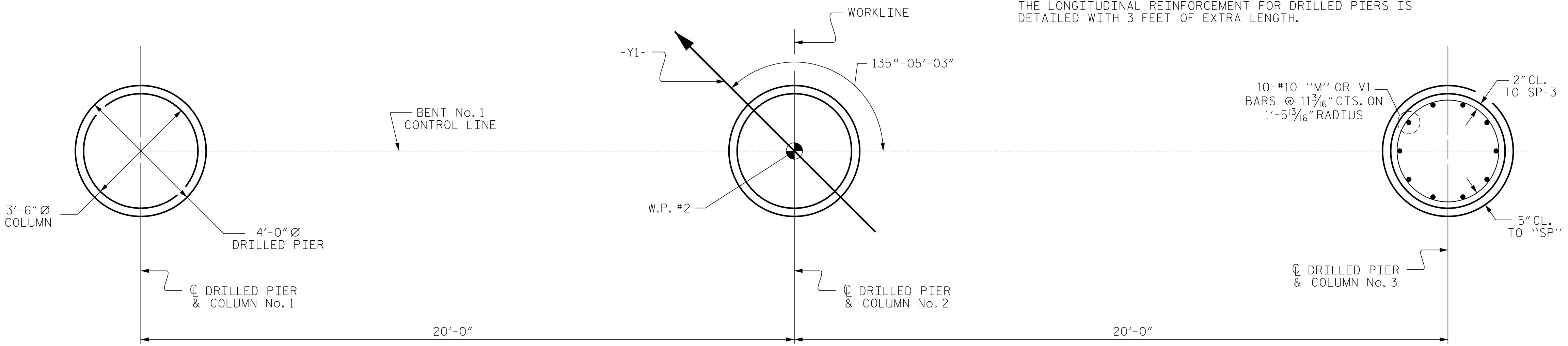


ALL BAR DIMENSIONS ARE OUT TO OUT

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 LOCATION OF THE CONSTRUCTION JOINT IN THE DRILLED PIERS 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 ONE FOOT BELOW THE GROUND LINE.
- THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE LONGITUDINAL REINFORCEMENT FOR DRILLED PIERS IS DETAILED WITH 3 FEET OF EXTRA LENGTH.

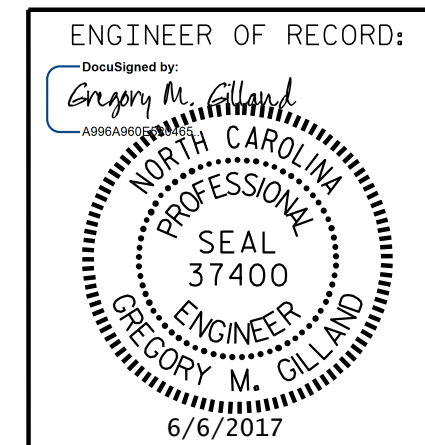
BILL OF MATERIAL					
BENT No. 1					
BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	8	#11	STR	49'-8"	2111
B2	8	#11	2	52'-9"	2242
B3	8	#5	STR	49'-8"	414
M1	20	#10	STR	51'-3"	4411
M2	10	#10	STR	49'-3"	2119
S1	28	#5	4	14'-0"	409
S2	88	#5	4	12'-6"	1147
U1	28	#4	3	6'-10"	128
U2	6	#4	3	7'-5"	30
U3	8	#4	3	6'-8"	36
V1	30	#10	1	17'-10"	2302
REINFORCING STEEL					15,349 LBS.
SP-1	2	*	5	1006'-4"	2099
SP-2	1	*	5	959'-10"	1001
SP-3	3	**	6	594'-2"	1191
SPIRAL COLUMN REINFORCING STEEL					4,291 LBS.
* THE SP-1 AND SP-2 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORMED BAR					
** THE SP-3 SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #4 PLAIN OR DEFORMED BAR					
CLASS A CONCRETE BREAKDOWN					
POUR #2 (COLUMNS)					15.5 C.Y.
POUR #3 (CAP)					39.5 C.Y.
TOTAL CLASS A CONCRETE					55.0 C.Y.
DRILLED PIERS:					
DRILLED PIER CONCRETE					
POUR #1 (DRILLED PIERS)					58.6 C.Y.
4'-0" Ø DRILLED PIER IN SOIL					105.00 LIN. FT.
4'-0" Ø DRILLED PIER NOT IN SOIL					21.00 LIN. FT.
CSL TUBES					522 LIN. FT.
CSL TESTING					1 EA.
SID INSPECTIONS					1 EA.
SPT TESTING					1 EA.



PLAN OF DRILLED PIERS AND COLUMNS

(REINFORCING STEEL AND DIMENSIONS ARE TYPICAL FOR EACH COLUMN & DRILLED PIER)

PROJECT NO. I-5786
 JOHNSTON COUNTY
 STATION: 17+77.11 -Y1-
 SHEET 2 OF 2



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUBSTRUCTURE
 BENT No. 1

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

SHEET NO.
S01-25
TOTAL SHEETS
32

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

DRAWN BY: D. HODGE DATE: 5/17
 CHECKED BY: B.C. HUNT DATE: 5/17

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