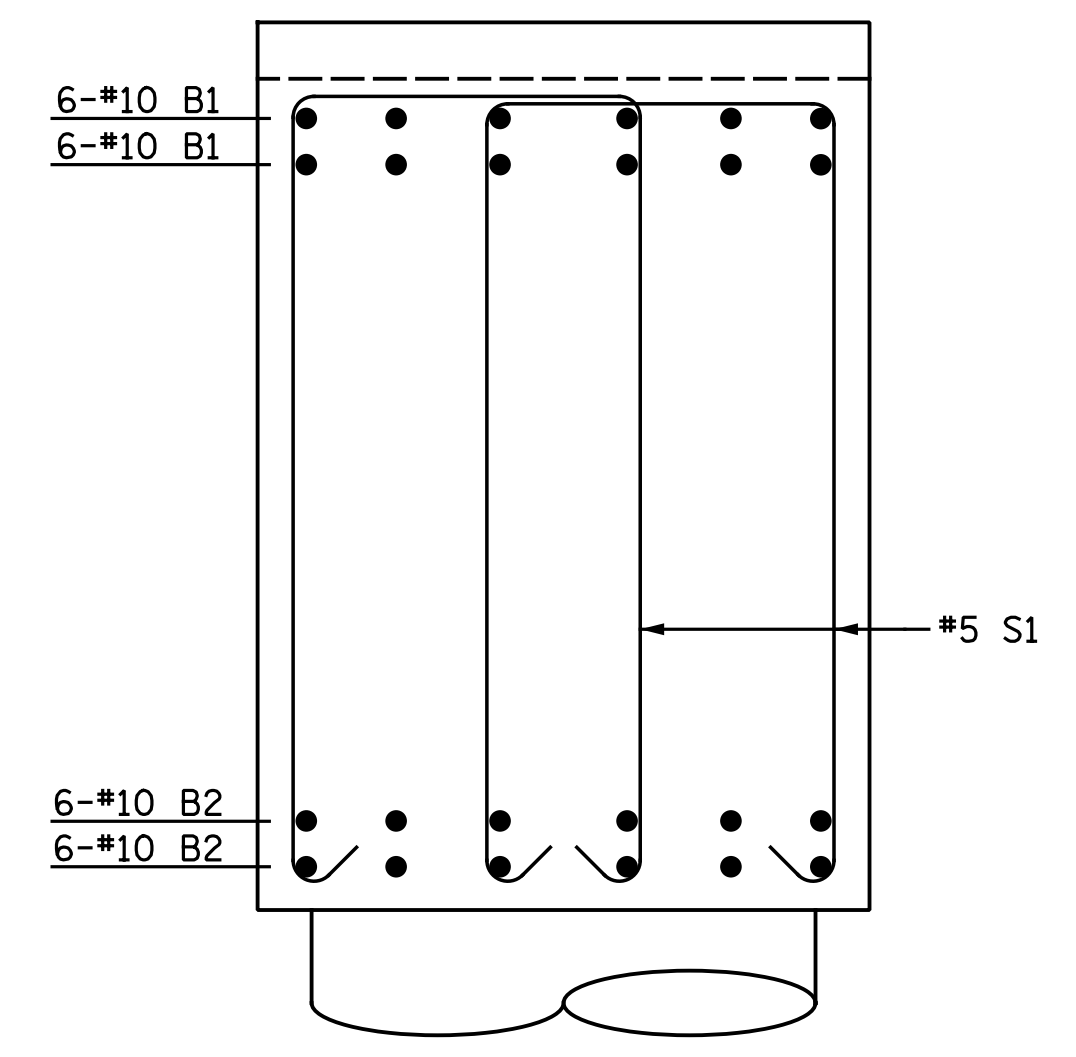
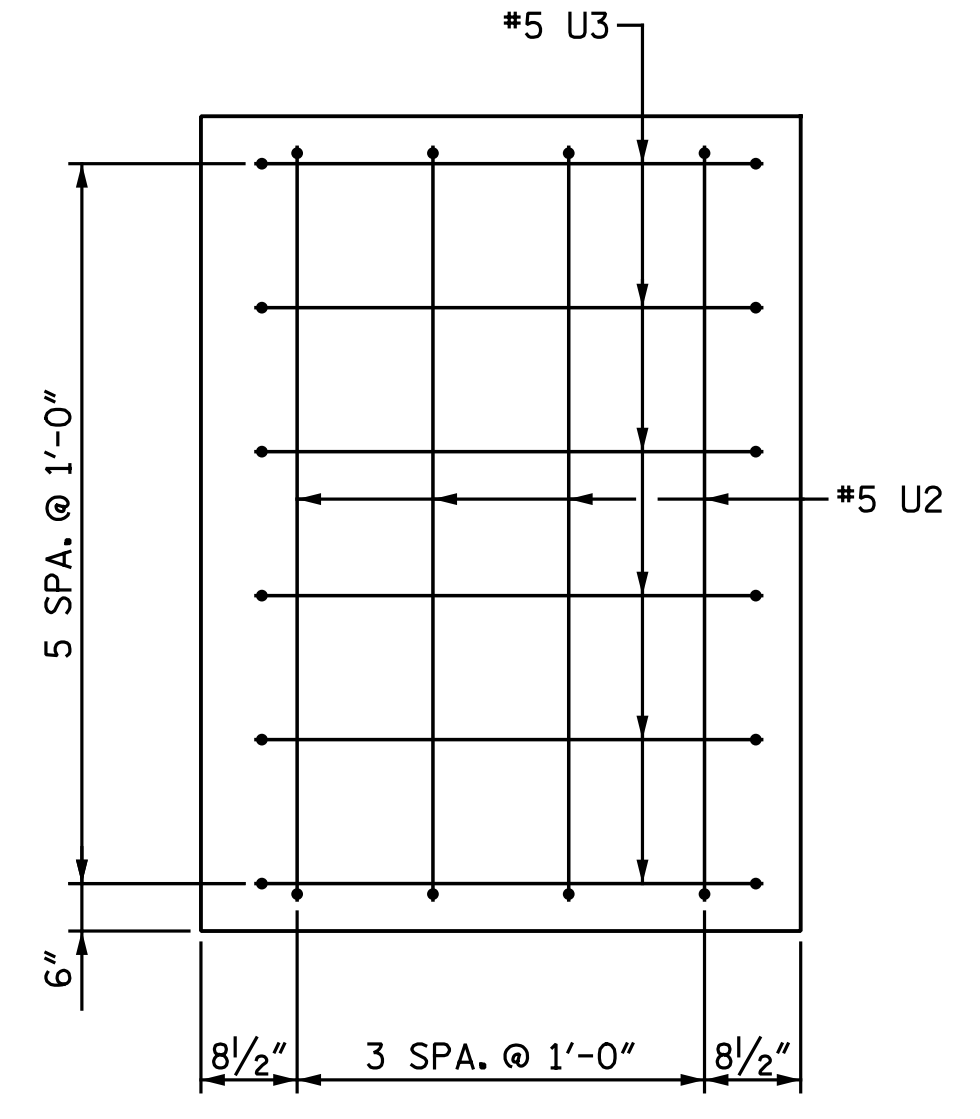


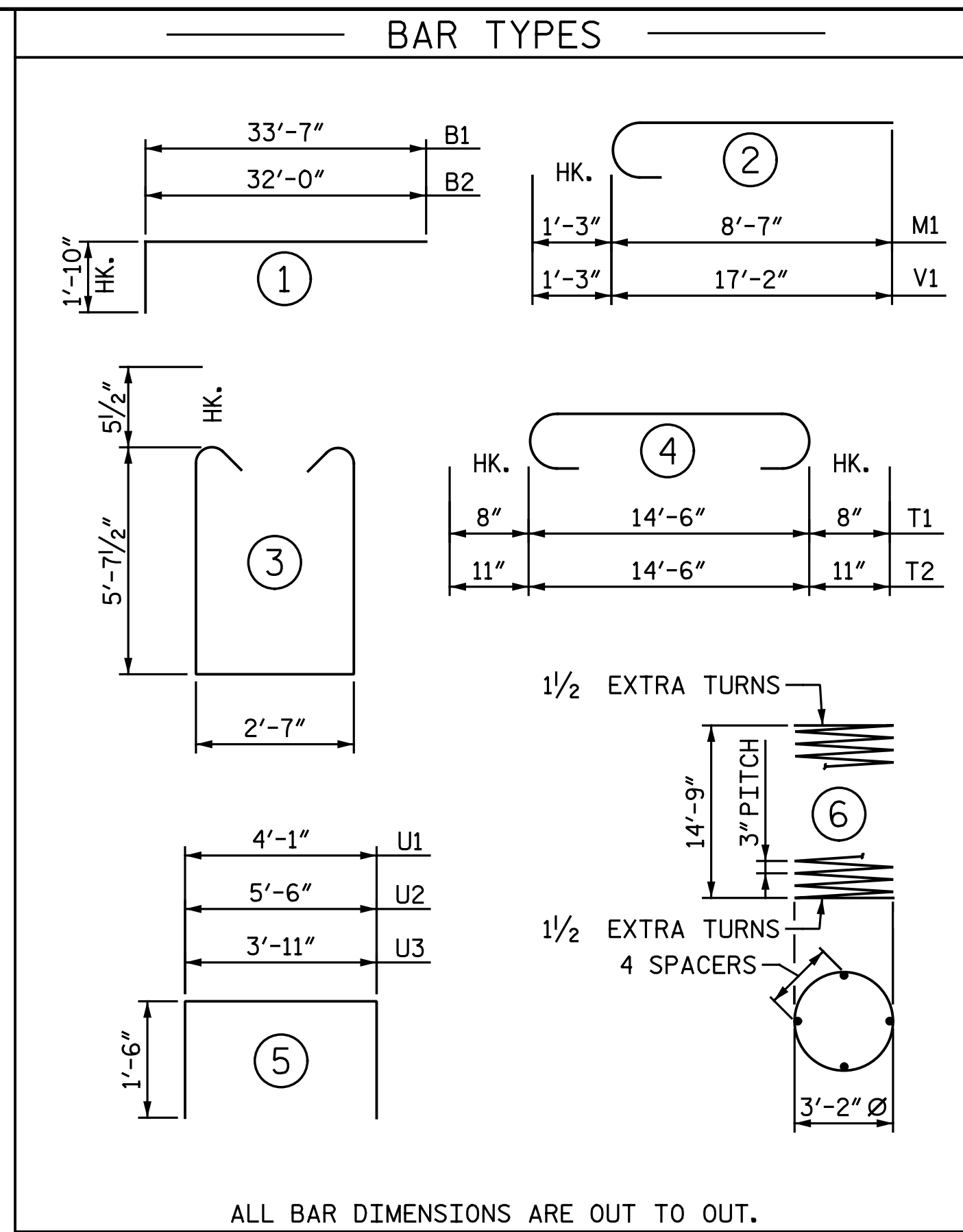
SECTION A-A
* INVERT ALTERNATE STIRRUPS



SECTION B-B
ONLY B1, B2 & S1 BARS SHOWN FOR CLARITY.



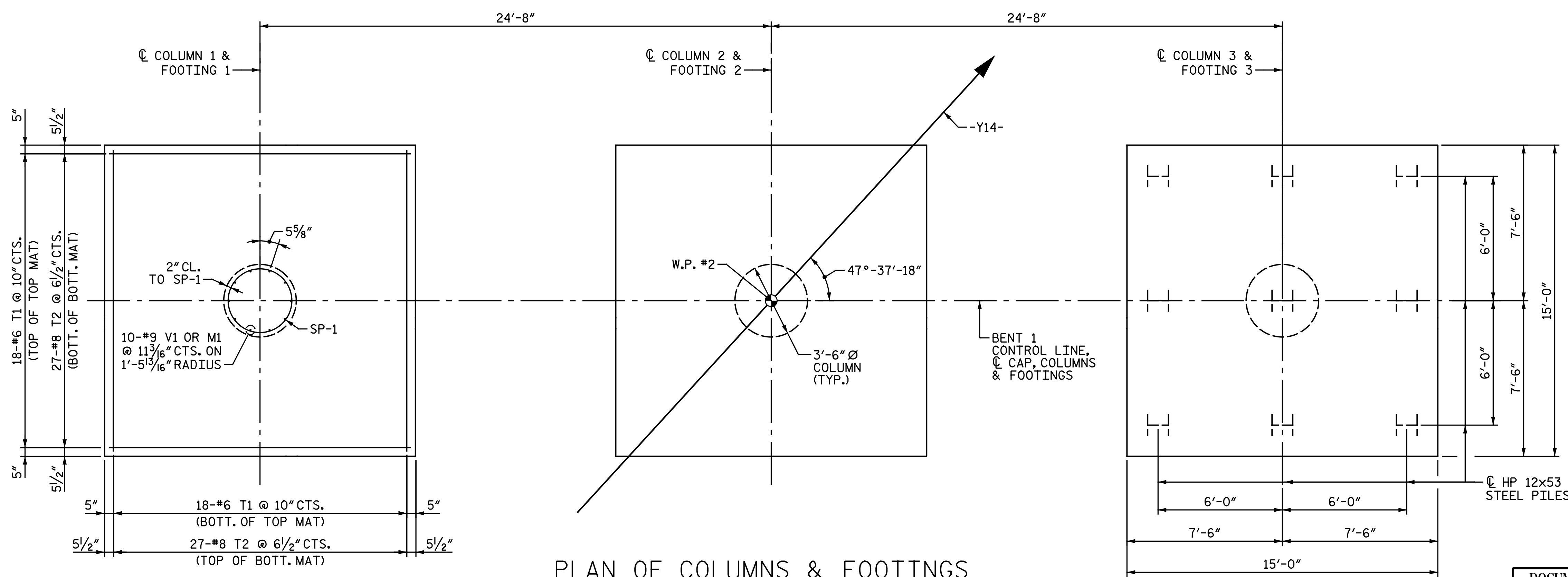
END ELEVATION
(TYP. EA. END)



ALL BAR DIMENSIONS ARE OUT TO OUT.

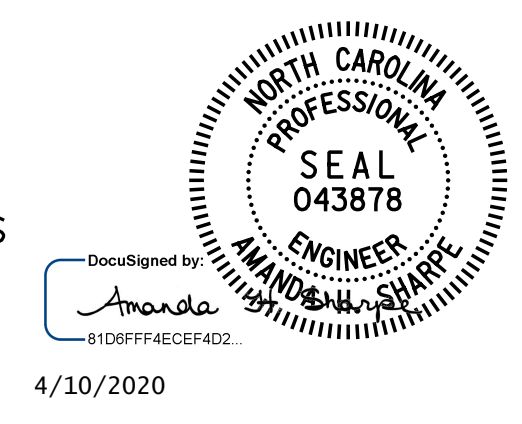
* THE SP-1 SPIRAL REINFORCING STEEL SHALL BE W20 OR D20 COLD DRAWN WIRE OR #4 PLAIN OR DEFORMED BAR.

BILL OF MATERIAL					
BENT 1					
BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	
B1	24	#10	1	35' - 5"	3,658
B2	24	#10	1	33' - 10"	3,494
B3	28	#5	STR.	56' - 0"	1,635
B4	6	#4	STR.	29' - 6"	118
B5	28	#4	STR.	4' - 1"	76
M1	30	#9	2	9' - 10"	1,003
S1	184	#5	3	14' - 9"	2,831
T1	108	#6	4	15' - 10"	2,568
T2	162	#8	4	16' - 4"	7,065
U1	55	#4	5	7' - 1"	260
U2	8	#5	5	8' - 6"	71
U3	12	#5	5	6' - 11"	87
V1	30	#9	2	18' - 5"	1,879
REINFORCING STEEL				LBS.	24,745
SP-1	3	**	6	608' - 11"	1,221
SPIRAL COLUMN REINFORCING STEEL				LBS.	1,221
CLASS A CONCRETE					
POUR 1 - FOOTINGS				C.Y.	125.0
POUR 2 - COLUMNS				C.Y.	15.5
POUR 3 - CAP				C.Y.	57.5
TOTAL CLASS A CONCRETE				C.Y.	198.0
FOUNDATION EXCAVATION FOR BENT				LUMP SUM	
PILE DRIVING EQUIPMENT SETUP FOR HP 12x53 STEEL PILES				EA.	27
HP 12x53 STEEL PILES NO. 27				LIN. FT.	1,890
PILE REDRIVES				EA.	14



PLAN OF COLUMNS & FOOTINGS
REINFORCING STEEL DIMENSIONS AND DETAILS ARE TYPICAL FOR EACH COLUMN AND FOOTING.
DIMENSIONS AND PILE LOCATIONS ARE TYPICAL FOR EACH FOOTING.

PROJECT NO. I-5878
HARNETT COUNTY
STATION: 26+05.28 -Y14-



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
SUBSTRUCTURE
BENT 1 DETAILS

DRAWN BY : C. E. MAYHEW DATE : 9-12-19
CHECKED BY : A. H. SHARPE DATE : 3-2-20

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

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Michael Baker Engineering
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Cary, North Carolina 27518
NC License No. : F-1084

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	SI-27
1			3			TOTAL SHEETS
2			4			35