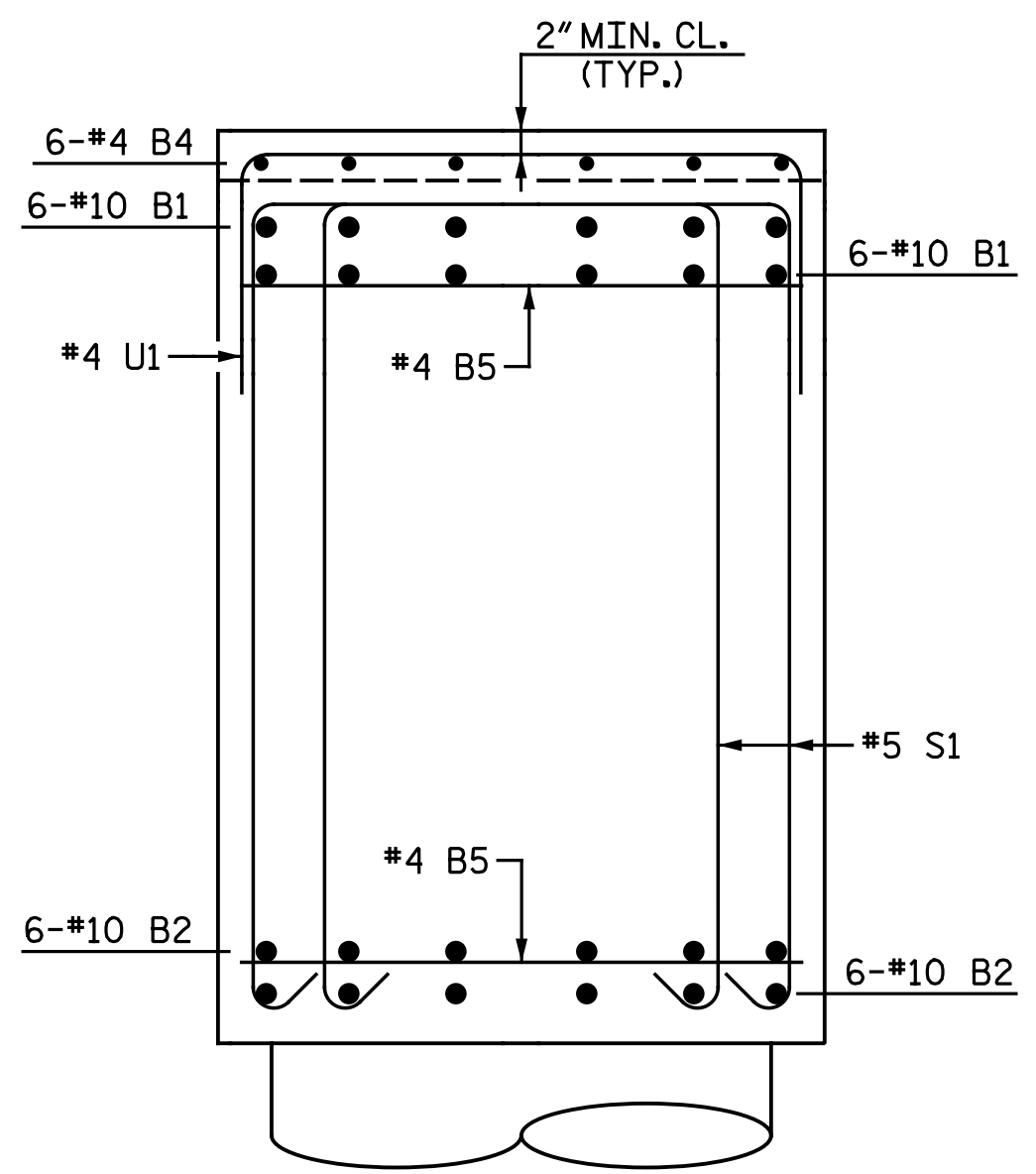
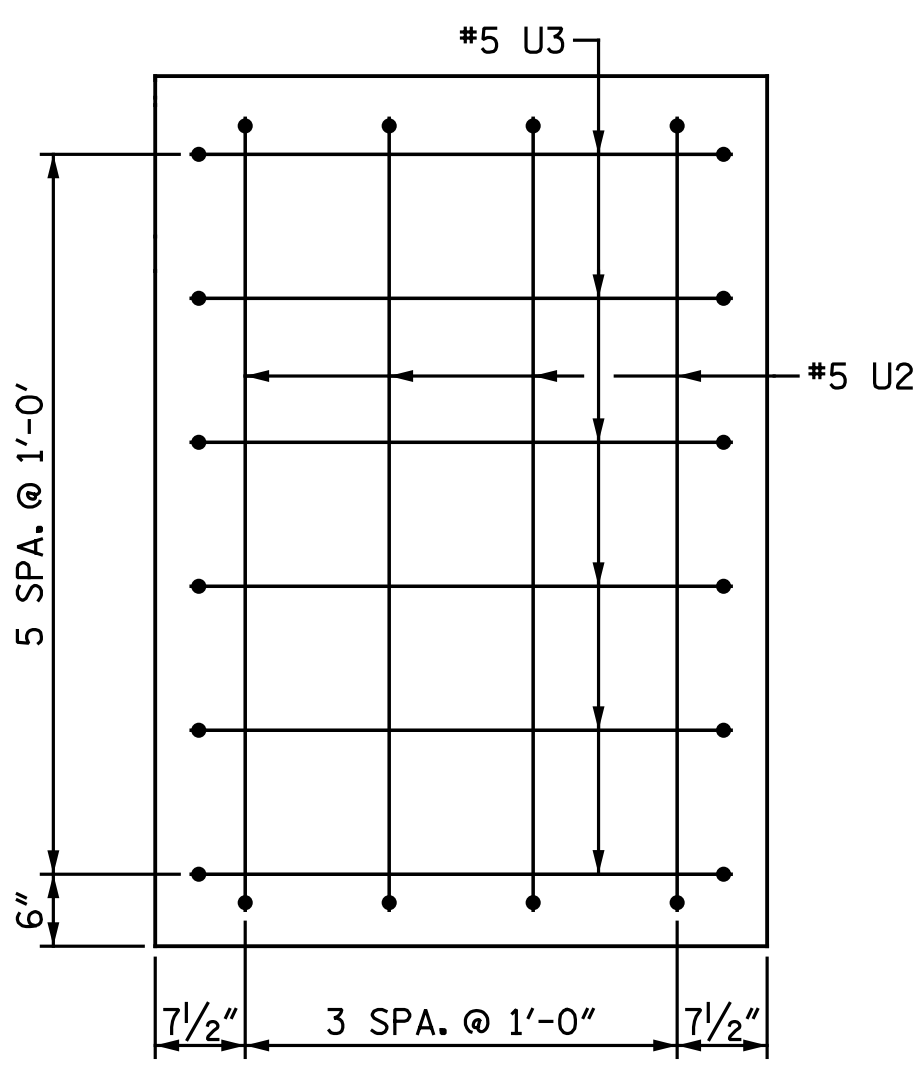


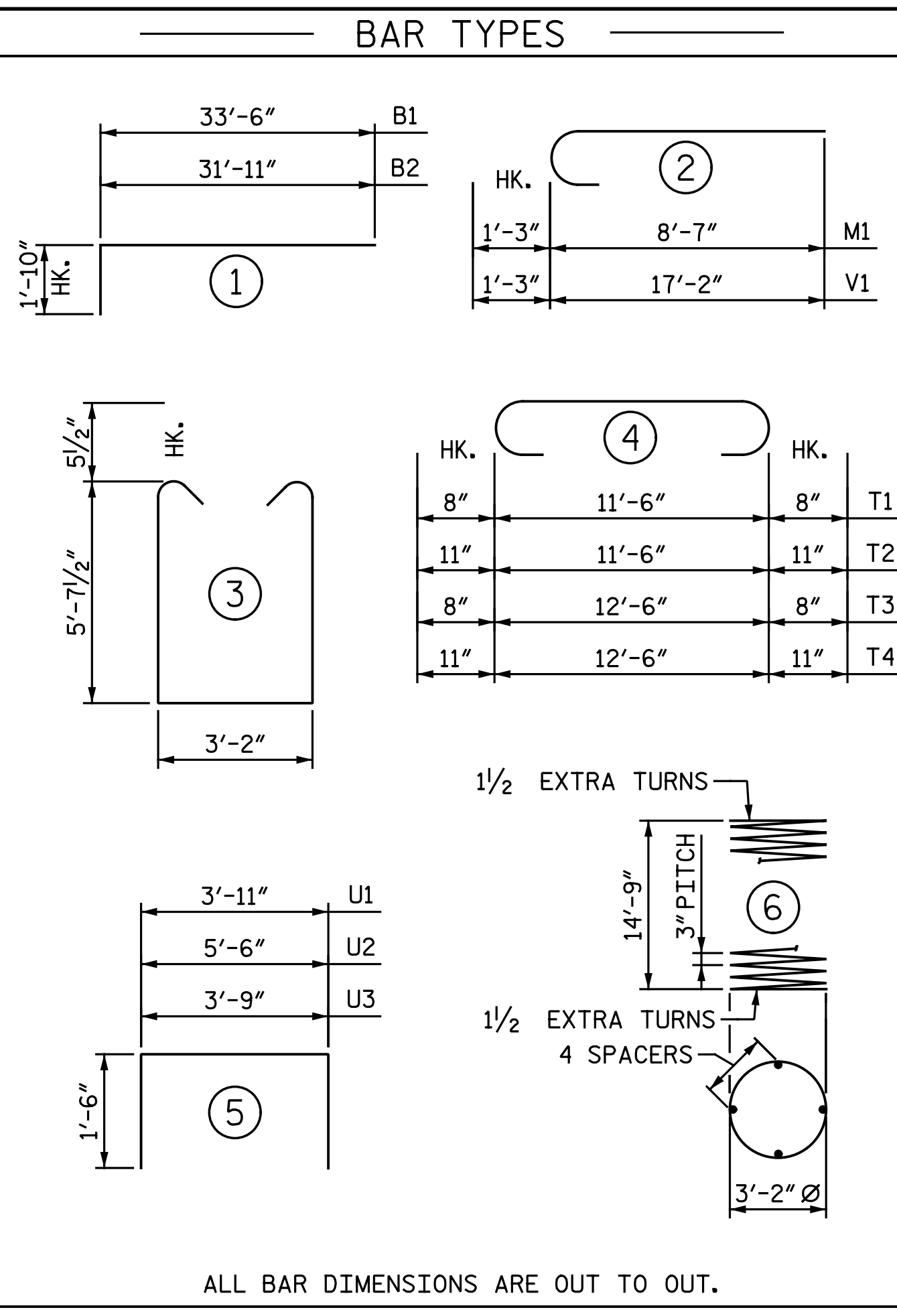
**SECTION A-A**  
\* INVERT ALTERNATE STIRRUPS



**SECTION B-B**  
B3 BARS NOT SHOWN FOR CLARITY.



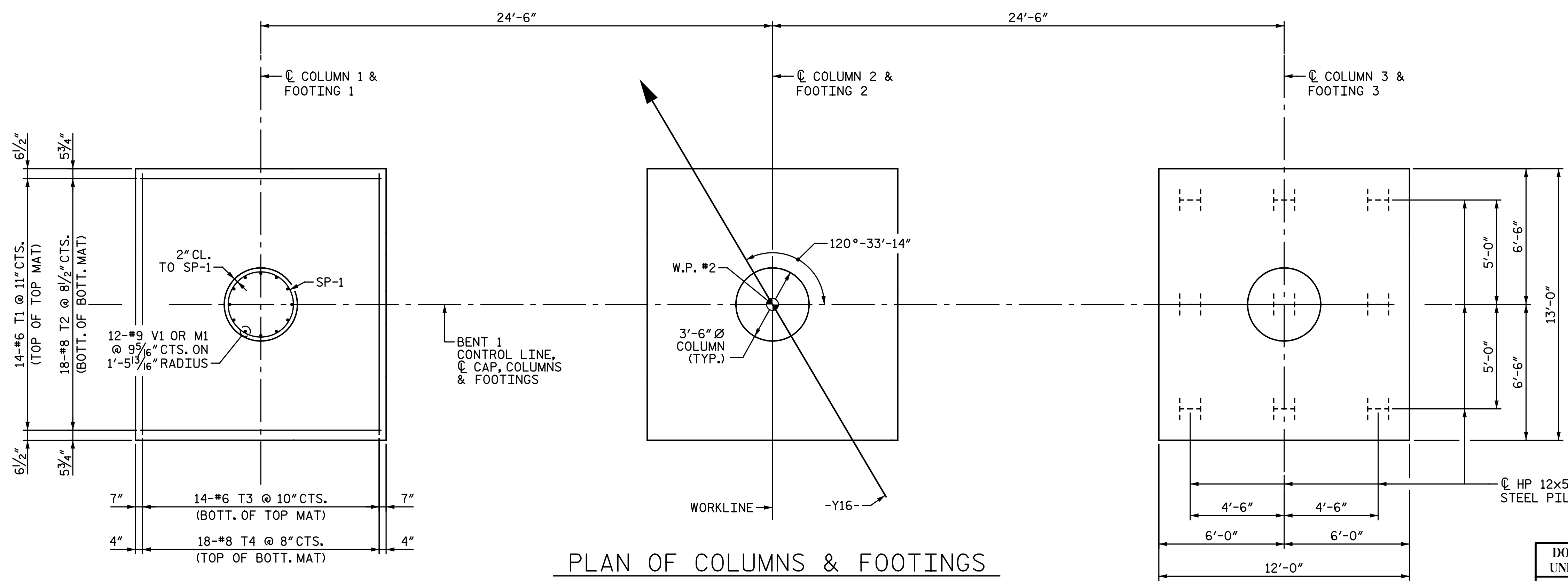
**END VIEW**  
(TYP. EA. END)



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.

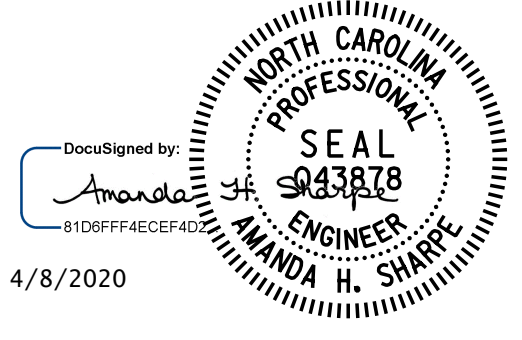
BILL OF MATERIAL					
BENT 1					
BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	24	#10	1	35' - 4"	3,649
B2	24	#10	1	33' - 9"	3,485
B3	28	#5	STR.	55' - 10"	1,631
B4	6	#4	STR.	24' - 6"	98
B5	28	#4	STR.	3' - 11"	73
M1	36	#9	2	9' - 10"	1,204
S1	148	#5	3	15' - 4"	2,367
T1	42	#6	4	12' - 10"	810
T2	54	#8	4	13' - 4"	1,922
T3	42	#6	4	13' - 10"	873
T4	54	#8	4	14' - 4"	2,067
U1	62	#4	5	6' - 11"	286
U2	8	#5	5	8' - 6"	71
U3	12	#5	5	6' - 9"	84
V1	36	#9	2	18' - 5"	2,254
REINFORCING STEEL				LBS.	20,874
SP-1	3	**	6	608' - 11"	1,220
SPIRAL COLUMN REINFORCING STEEL				LBS.	1,220
CLASS A CONCRETE					
POUR 1 - FOOTINGS				C.Y.	86.7
POUR 2 - COLUMNS				C.Y.	15.6
POUR 3 - CAP				C.Y.	55.1
TOTAL CLASS A CONCRETE				C.Y.	157.4
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.	2,025
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-5883  
HARNETT COUNTY  
STATION: 27+09.19 -Y16-



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

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

DRAWN BY: M. D. MAYHEW DATE: 2-1-20  
CHECKED BY: A. H. SHARPE DATE: 3-26-20

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	SI-26
1			3			TOTAL SHEETS
2			4			35

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