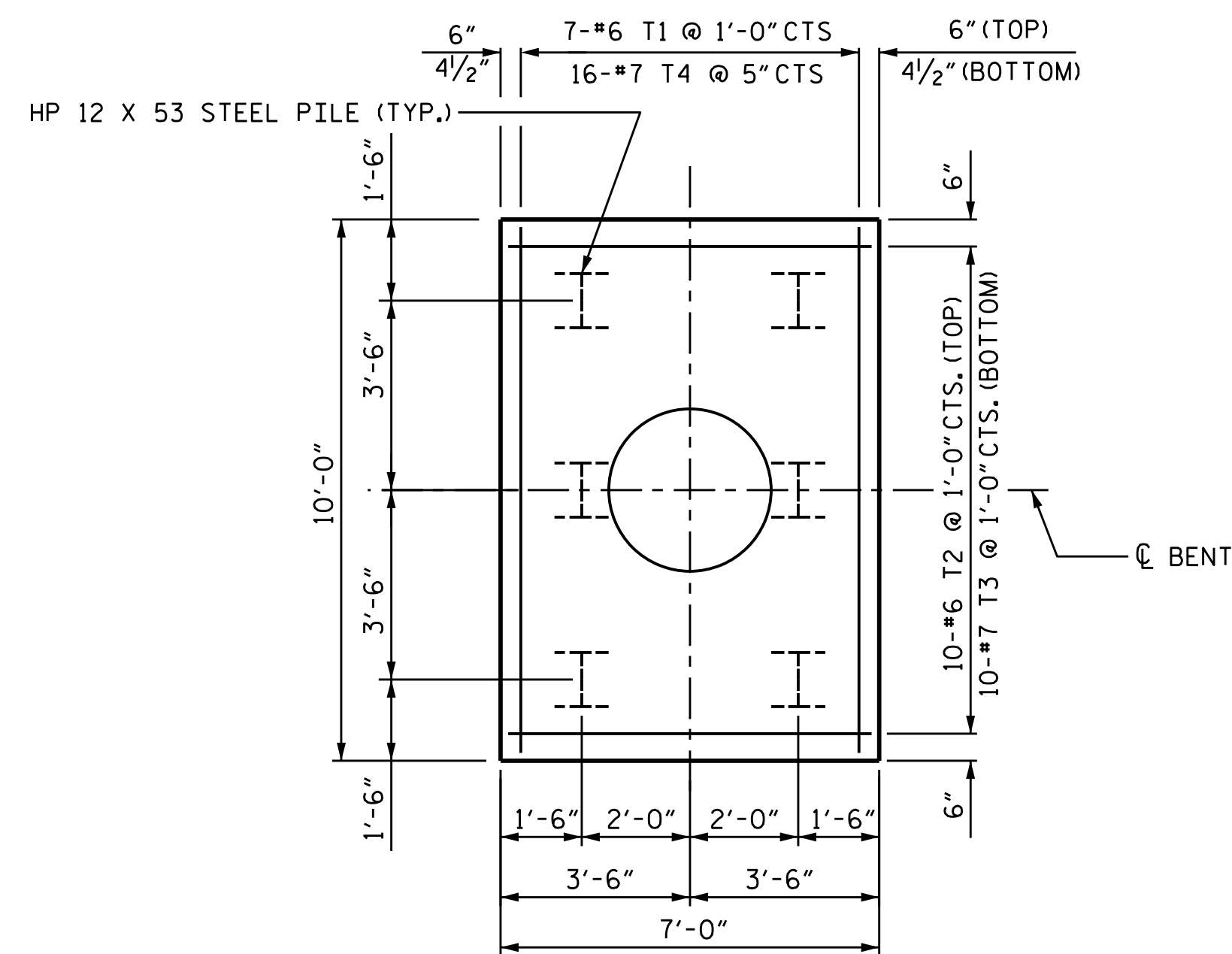
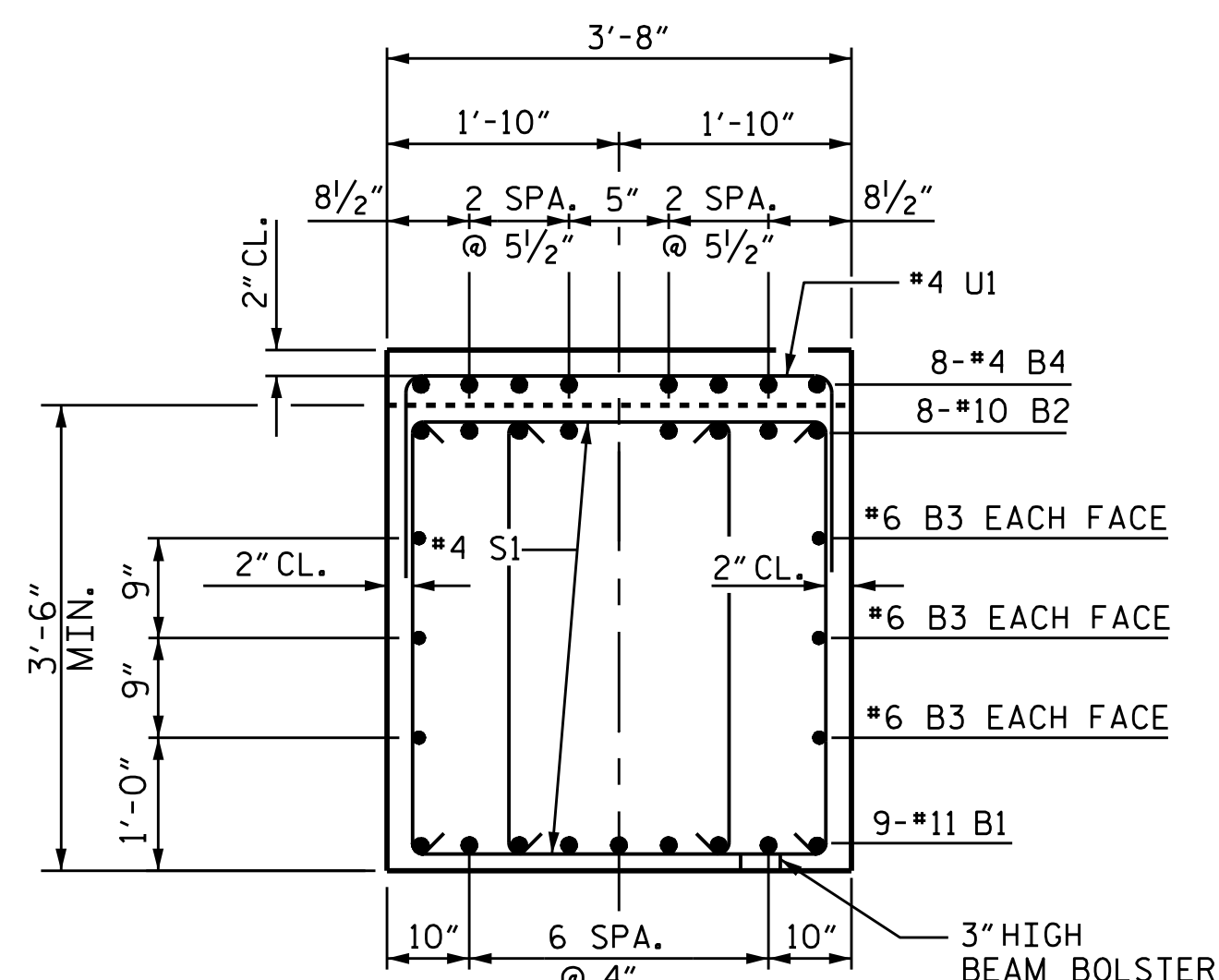


PLAN OF FOOTINGS

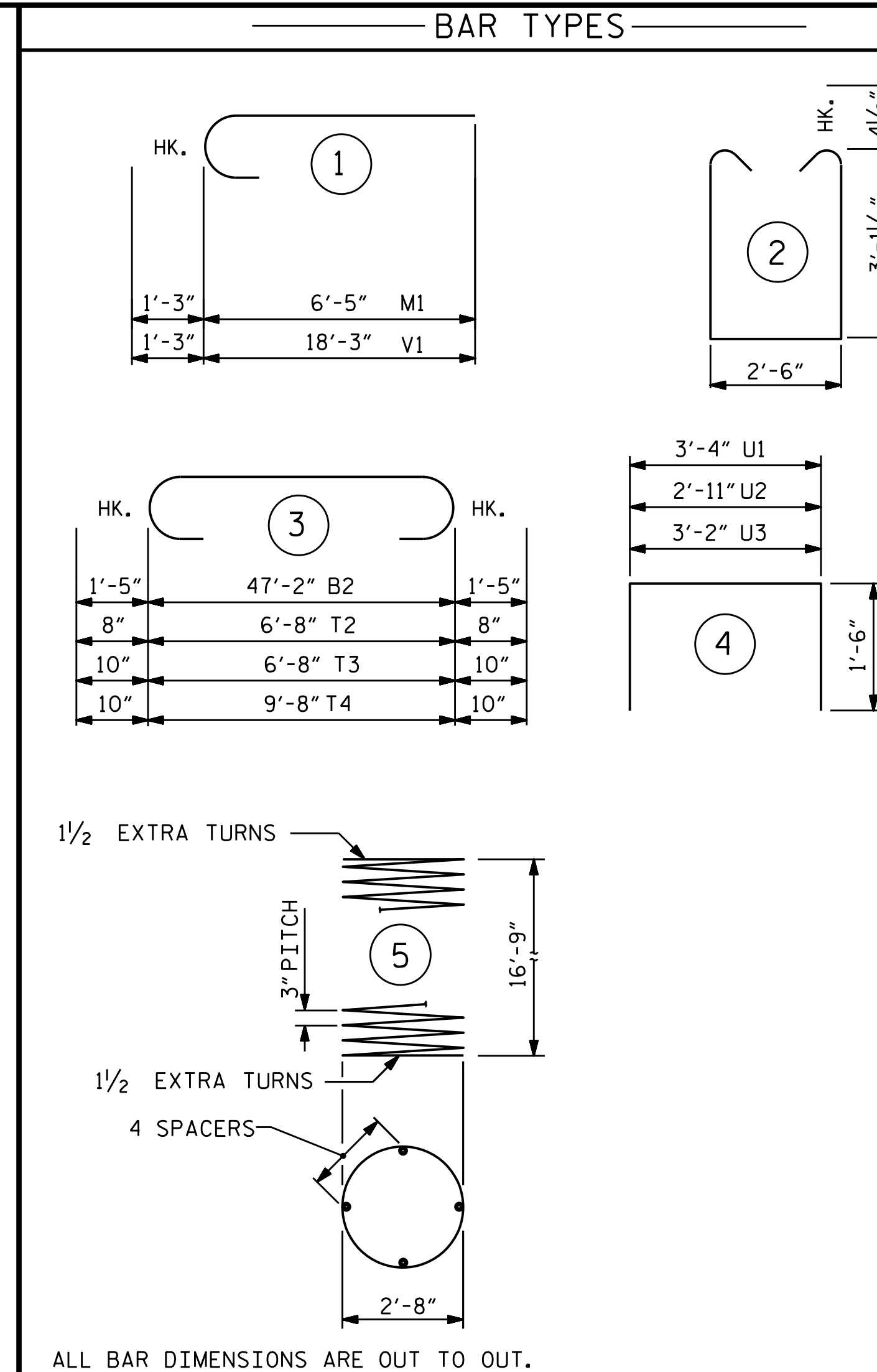
ALL FOOTINGS ARE IDENTICAL



TYPICAL FOOTING PLAN

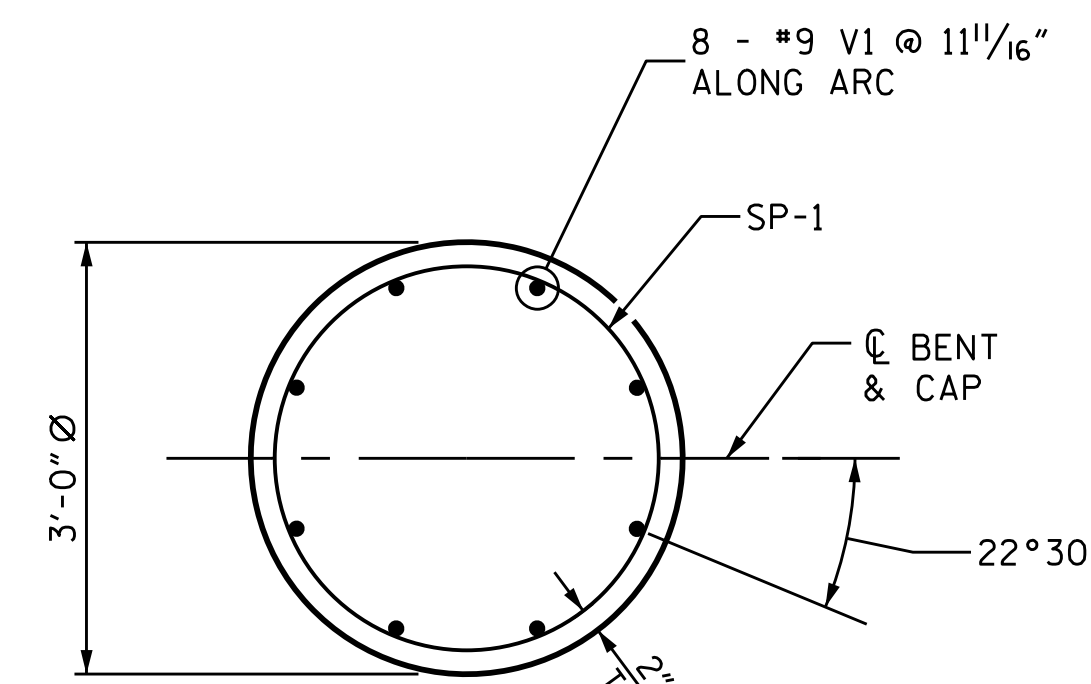


SECTION A-A

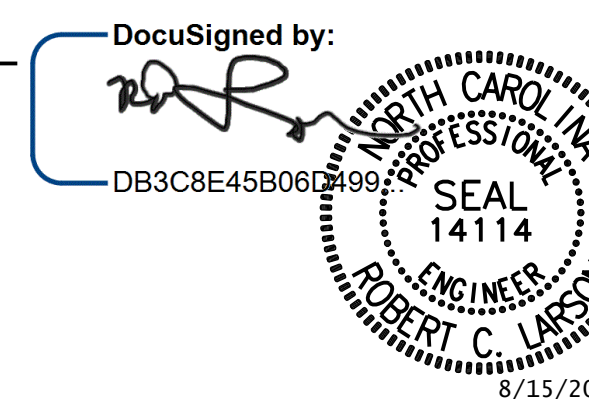


ALL BAR DIMENSIONS ARE OUT TO OUT.

* THE "SP-1" SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #4 PLAIN OR DEFORMED BAR.



SECTION B-B



BILL OF MATERIAL FOR BENT 1

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	9	11	STR.	47'-2"	2255
B2	8	10	3	50'-0"	1721
B3	6	6	STR.	47'-2"	425
B4	8	4	STR.	25'-2"	134
M1	24	9	1	7'-8"	626
S1	112	4	2	9'-6"	711
T1	21	6	STR.	9'-8"	305
T2	30	6	3	8'-0"	360
T3	30	7	3	8'-4"	511
T4	48	7	3	11'-4"	1112
U1	43	4	4	6'-4"	182
U2	8	4	4	5'-11"	32
U3	10	4	4	6'-2"	41
V1	24	9	1	19'-6"	1591
SP-1	3	*	5	577'-7"	1157

REINFORCING STEEL, LB.	10,006
SPIRAL COLUMN REINFORCING STEEL, LB.	1157
CLASS A CONCRETE, CU. YD.	
POUR 1 (FOOTING)	27.2
POUR 2 (COLUMNS)	13.0
POUR 3 (CAP)	23.7
TOTAL	63.9
PILE DRIVING EQUIPMENT SETUP FOR HP 12 X 53 STEEL PILES, EA.	18
HP 12 X 53 STEEL PILES, NO.	18
LIN. FT.	1080
PILE REDRIVES, EA.	9
FOUNDATION EXCAVATION	LUMP SUM

PROJECT NO. R-256ICA
COLUMBUS COUNTY
 STATION: 34+01.72 -Y-

SHEET 2 OF 2

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUBSTRUCTURE BENT 1

DESIGN ENGINEER OF RECORD: [Signature] DATE: 8/15/2022
 DRAWN BY: A. K. ALLANKI DATE: 03/18/20
 CHECKED BY: R. C. LARSON DATE: 03/24/20

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

ENGINEERS & PLANNERS & SCIENTISTS & CONSTRUCTION MANAGERS LICENSE NUMBER: C-0154
KCI Associates
 of North Carolina, P.A.
 4505 Falls of House Road, Suite 400 Raleigh, NC 27609-6270 Phone: (919) 785-5244

NO.	BY:	DATE:	NO.	BY:	DATE:	SHEET NO.
1			3			S1-21
2			4			TOTAL SHEETS 28