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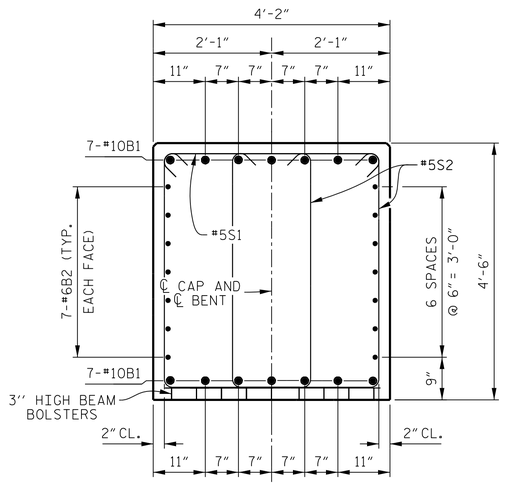
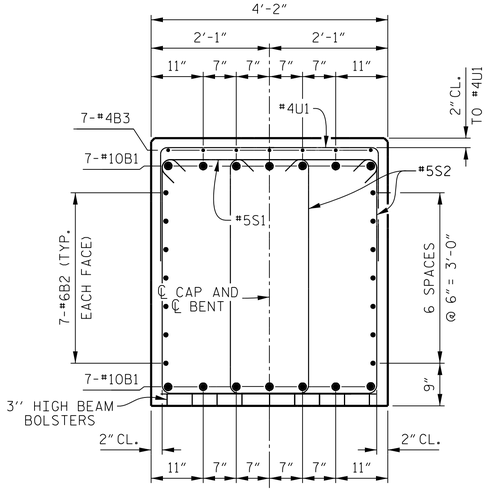
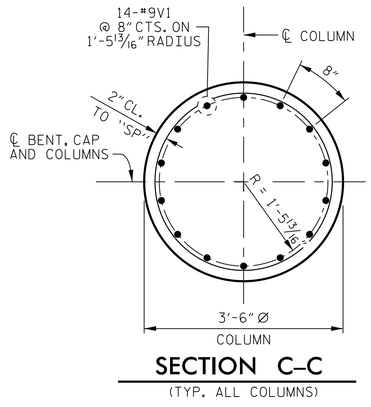


SECTION A–A



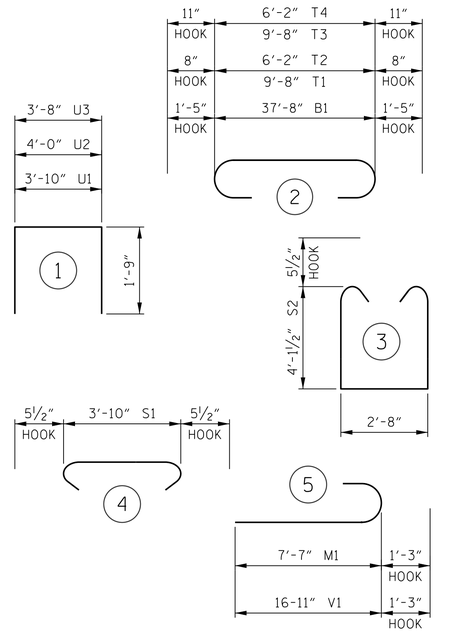
SECTION B–B



SECTION C–C

(TYP. ALL COLUMNS)

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL

BENT 1

BAR	No.	SIZE	TYPE	LENGTH	WEIGHT
B1	14	#10	2	40'- 6"	2,440
B2	14	#6	STR	37'- 8"	792
B3	7	#4	STR	14'- 8"	69
M1	42	#9	5	8'-10"	1,261
S1	84	#5	4	4'- 9"	416
S2	168	#5	3	11'-10"	2,073
U1	39	#4	1	7'- 4"	191
U2	10	#4	1	7'- 6"	50
U3	8	#4	1	7'- 2"	38
T1	21	#6	2	11'- 0"	347
T2	30	#6	2	7'- 6"	338
T3	39	#8	2	11'- 6"	1,197
T4	30	#8	2	8'- 0"	641
V1	42	#9	5	18'- 2"	2,594
REINFORCING STEEL					12,447 LBS.
SP1	3	**	6	638'- 5"	1,279
SPIRAL COLUMN REINFORCING STEEL					1,279 LBS.

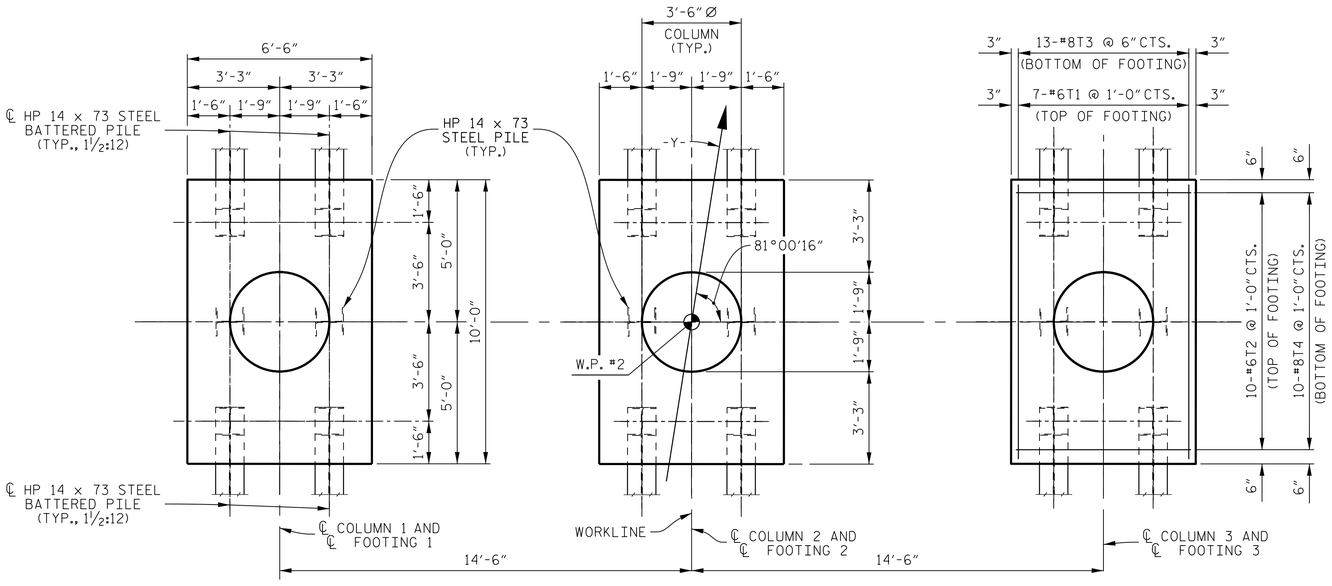
CLASS "A" CONCRETE

POUR	3	CAP	26.9 CU. YDS.
POUR	2	COLUMNS	16.3 CU. YDS.
POUR	1	FOOTINGS	28.9 CU. YDS.
		TOTAL	72.1 CU. YDS.

HP 14 x 73 STEEL PILES
18 REQUIRED 855.0 LIN. FT.

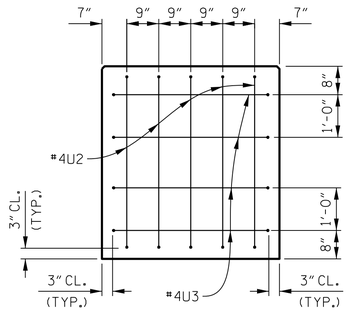
FOUNDATION EXCAVATION LUMP SUM

** THE SP1 SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #4 PLAIN OR DEFORMED BAR.



PLAN OF FOOTINGS

DIMENSIONS, PILES AND REINFORCING STEEL ARE TYPICAL FOR ALL COLUMNS AND FOOTINGS.



END OF CAP DETAIL

PROJECT NO. U-2524BC

GUILFORD COUNTY

STATION: 27+40.75 –L–

SHEET 2 OF 2

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE

BENT 1

DRAWN BY :	K. E. LOFTON	DATE :	11-14
CHECKED BY :	T. M. HARRIS	DATE :	1-15
DESIGN ENGINEER :	T. M. HARRIS	DATE :	2-15

PLANS PREPARED BY :
PARSONS
5540 Centerview Drive, Suite 217
Raleigh, NC 27606-3386
NC LICENSE No. F-0246
FOR NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

NORTH CAROLINA PROFESSIONAL SEAL 19299 ENGINEER THOMAS M. HARRIS
3/6/2015

REVISIONS						SHEET No.
No.	BY:	DATE:	No.	BY:	DATE:	S01-22
1			3			TOTAL SHEETS
2			4			27

STR. #1

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