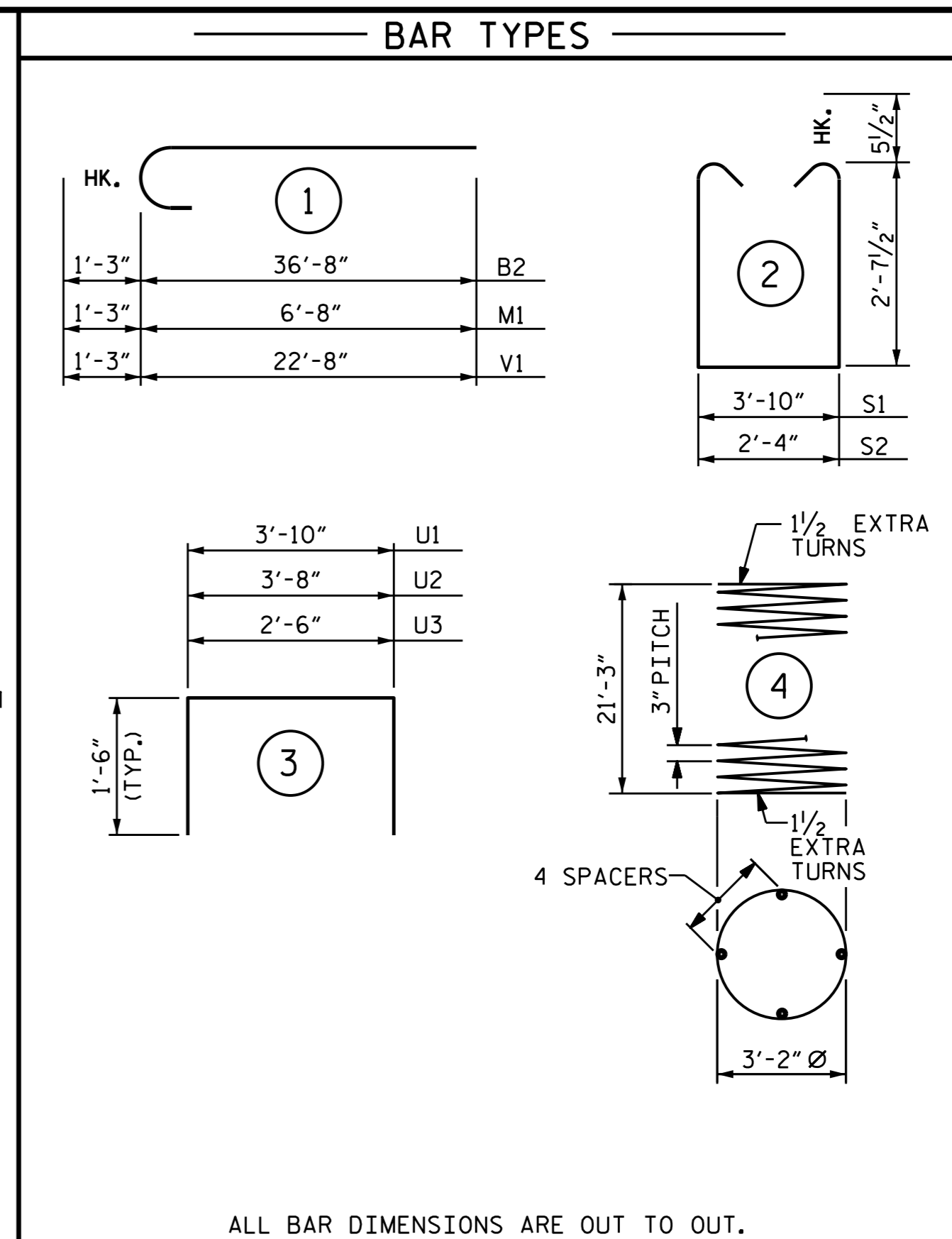
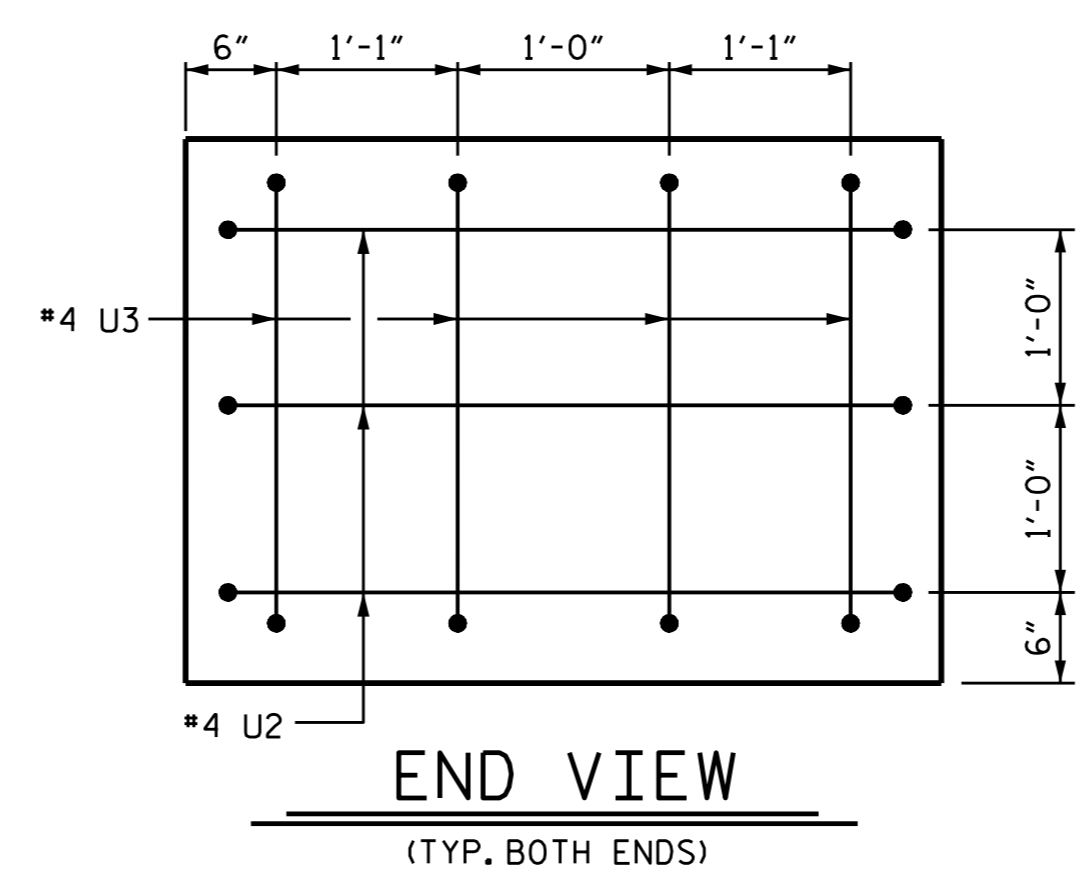
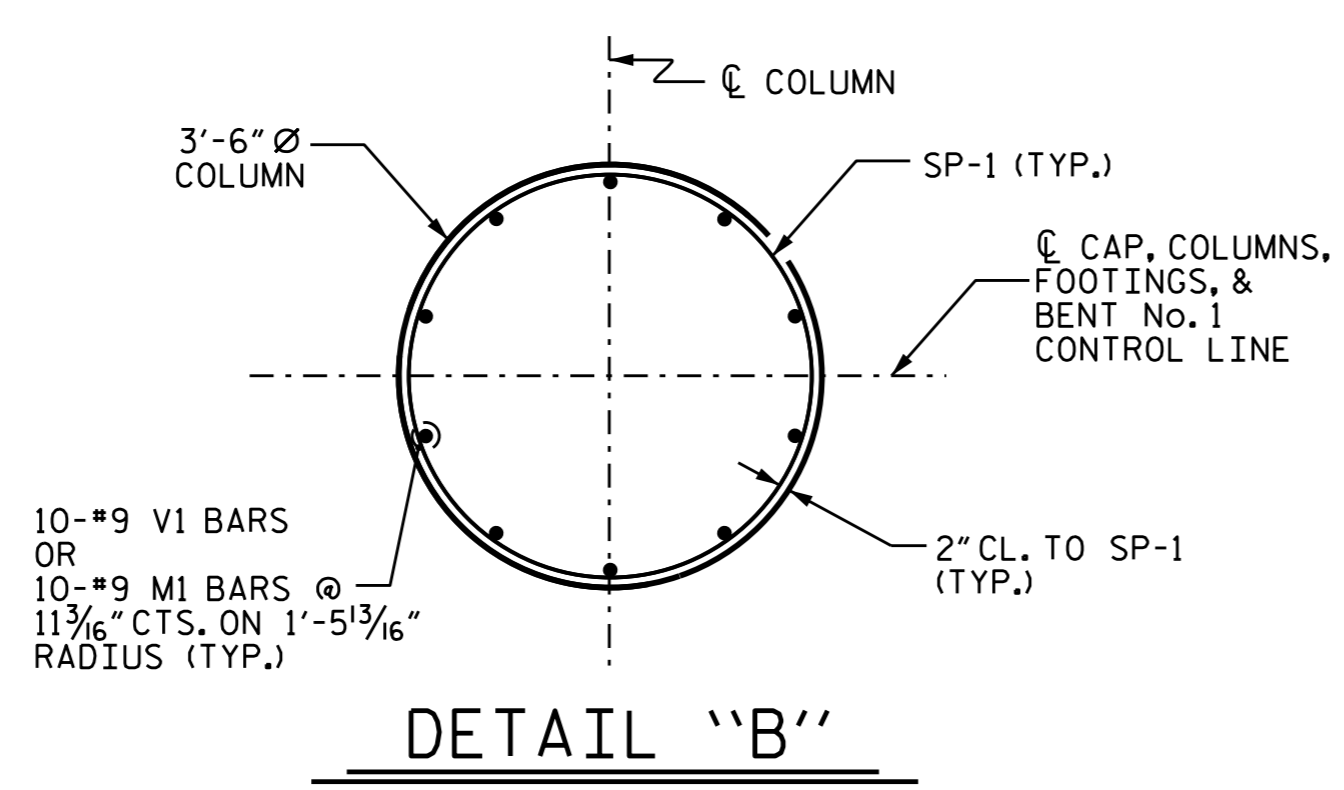


SECTION X-X ★ INVERT ALTERNATE STIRRUPS SECTION Y-Y  
 #4 U1 NOT SHOWN FOR CLARITY



BILL OF MATERIAL					
BENT No. 1					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	16	#10	STR	36'-4"	2,501
B2	16	#9	1	37'-11"	2,063
B3	18	#4	STR	23'-2"	279
B4	16	#4	STR	21'-7"	231
S1	81	#5	2	10'-0"	845
S2	20	#5	2	8'-6"	177
U1	69	#4	3	6'-10"	315
U2	6	#4	3	6'-8"	27
U3	8	#4	3	5'-6"	29
M1	40	#9	1	7'-11"	1,077
V1	40	#9	1	23'-11"	3,253
T1	216	#6	STR	7'-6"	2,433
REINFORCING STEEL FOR BENT No. 1					13,230 LBS.
SP-1	4	*	4	864'-3"	2,309
SPIRAL COLUMN REINFORCING STEEL					2,309 LBS.
CLASS A CONCRETE BREAKDOWN					
POUR #1 (FOOTINGS)					26.1 C.Y.
POUR #2 (COLUMNS)					29.9 C.Y.
POUR #3 (CAP)					32.8 C.Y.
TOTAL CLASS A CONCRETE					88.8 C.Y.
HP 14 X 73 STEEL PILES					680 LIN. FT.
NO. 16					
FOUNDATION EXCAVATION					LUMP SUM

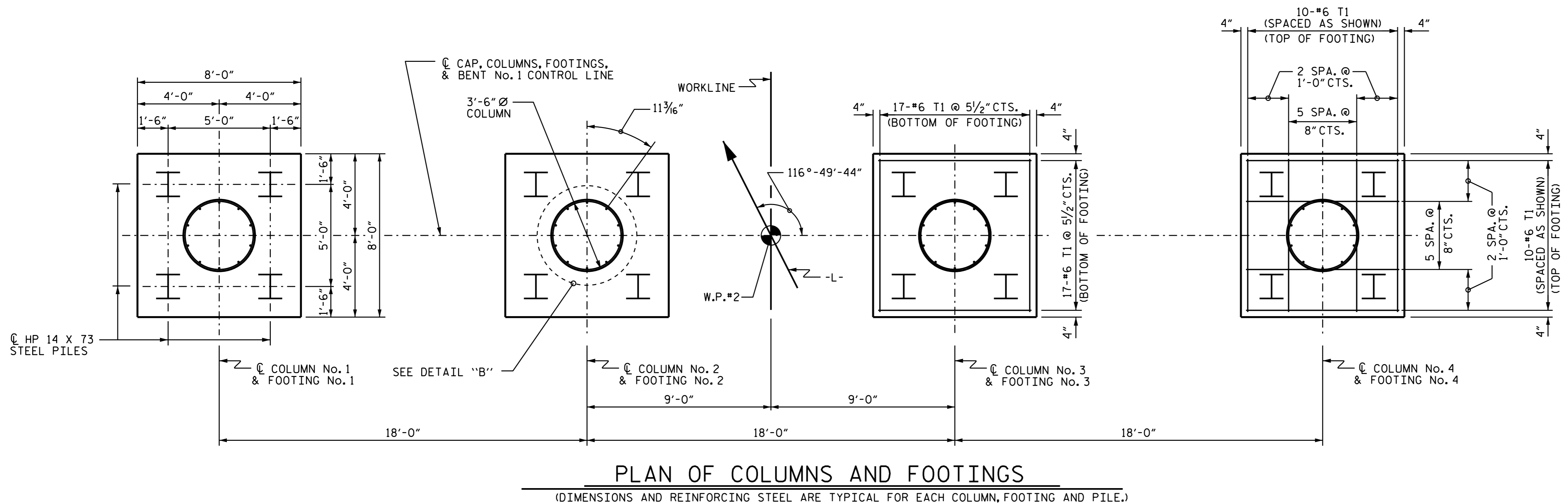
END ELEVATION

DETAIL "B"

END VIEW  
(TYP. BOTH ENDS)

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.

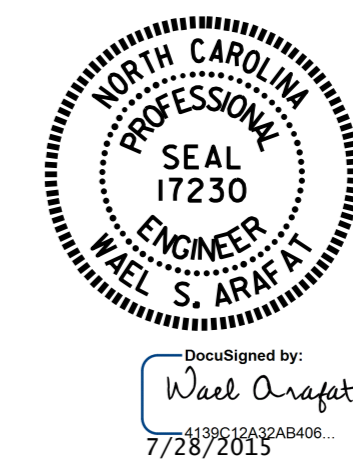


PLAN OF COLUMNS AND FOOTINGS

(DIMENSIONS AND REINFORCING STEEL ARE TYPICAL FOR EACH COLUMN, FOOTING AND PILE.)

DRAWN BY: B. N. BARODAWALA DATE: 1-16-15  
 CHECKED BY: J. P. MCCARTHA DATE: 1-30-15  
 DESIGN ENGINEER OF RECORD: A. M. LEE DATE: 3-15

24-JUL-2015 12:49  
 R:\Structures\FinalPlans\STR\1\R-2915A.sd.B1.dgn  
 warafat



PROJECT NO. R-2915A  
 WATAUGA/ASHE COUNTY  
 STATION: 11+18.63 -L-  
 SHEET 2 OF 2

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
SUBSTRUCTURE					
BENT No. 1					
REVISIONS					SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
TOTAL SHEETS					31

STR. #1