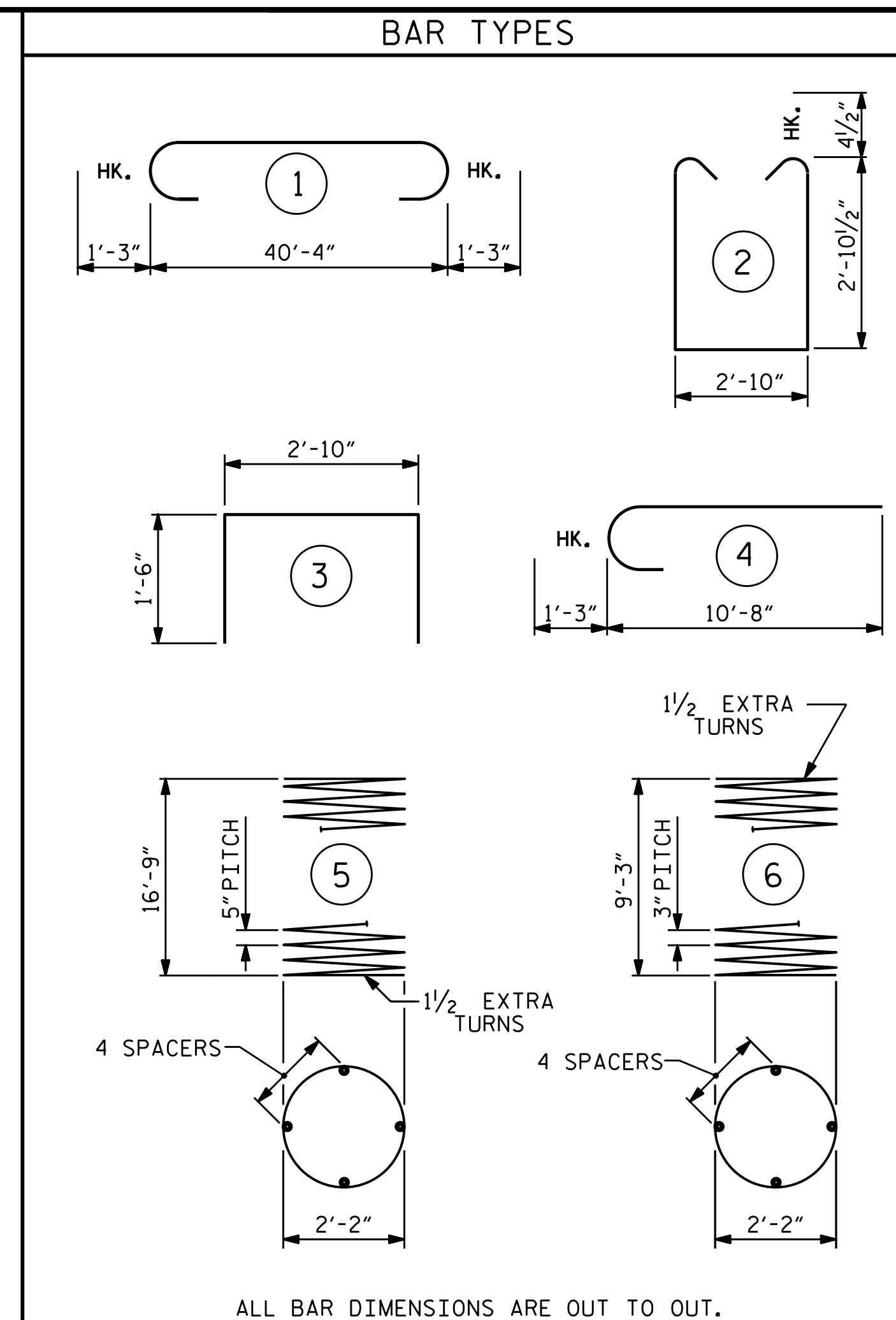
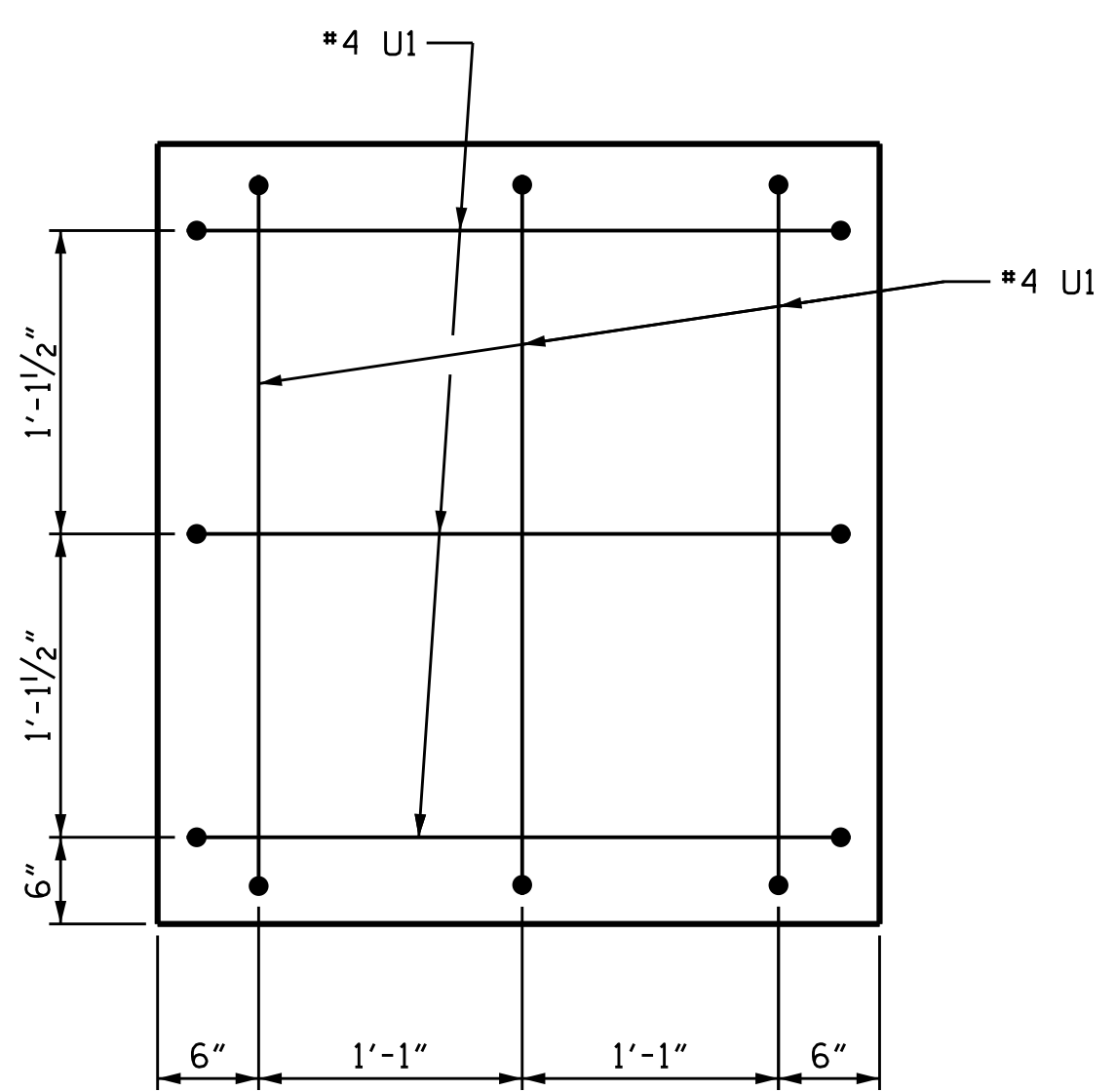


PLAN OF DRILLED PIERS & COLUMNS

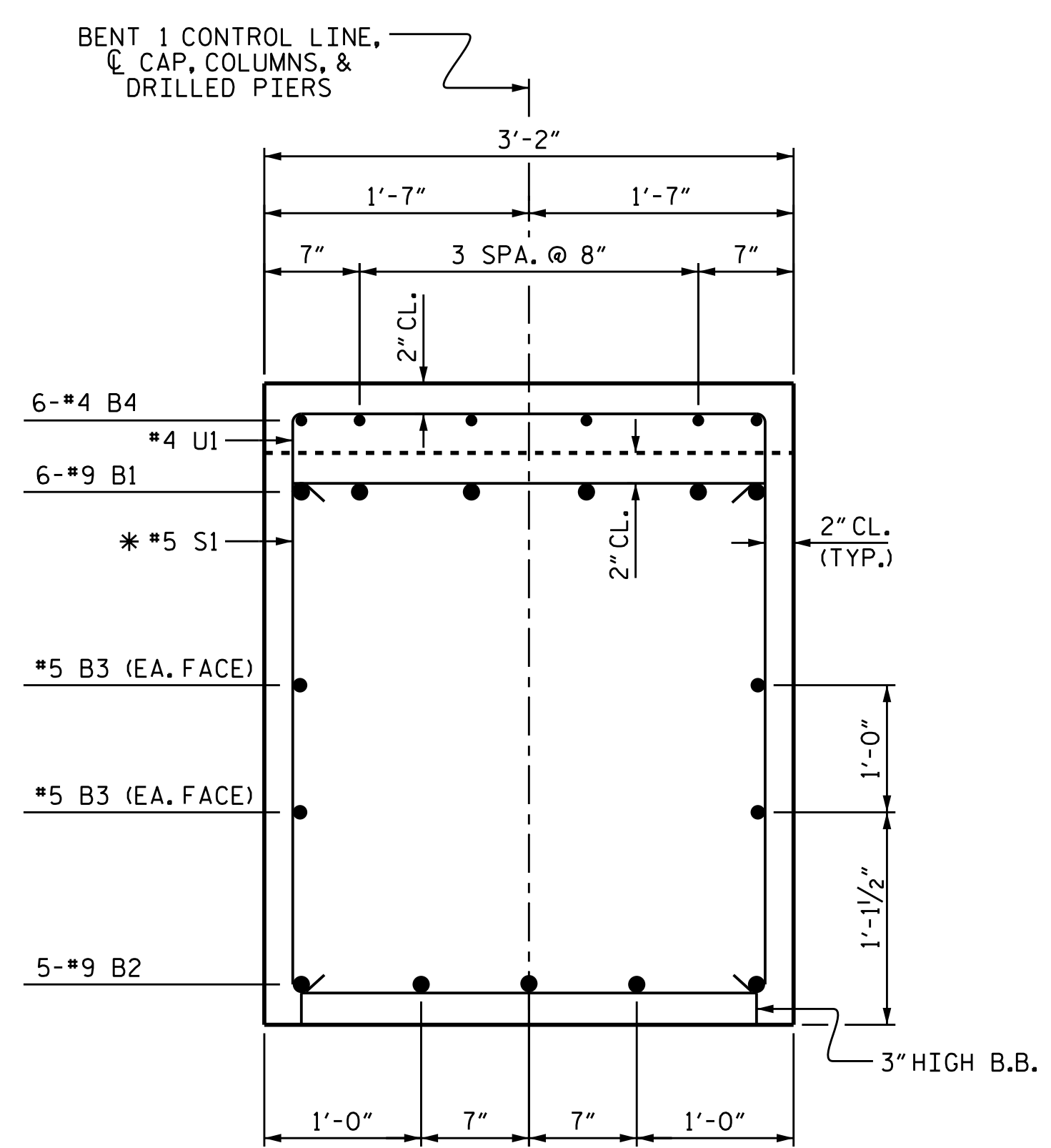


BAR TYPES

BILL OF MATERIAL					
BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	6	#9	1	42'-10"	874
B2	5	#9	STR	40'-6"	689
B3	4	#5	STR	40'-6"	169
B4	6	#4	STR	2'-11"	12
M1	36	#9	STR	24'-9"	3,029
S1	68	#4	2	9'-4"	424
U1	42	#4	3	5'-10"	164
V1	36	#9	4	11'-11"	1,459
REINFORCING STEEL				LBS.	6,820
SP-1	3	**	5	277'-11"	870
SP-2	3	*	6	257'-3"	516
SPIRAL COLUMN REINFORCING STEEL				LBS.	1,386
* THE SP-2 SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #4 PLAIN OR DEFORMED BAR.					
* THE SP-1 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORMED BAR.					
CLASS A CONCRETE					
POUR #2 (COLUMNS)				C.Y.	4.9
POUR #3 (CAP)				C.Y.	16.1
TOTAL CLASS A CONCRETE				C.Y.	21.0
DRILLED PIER QUANTITIES					
DRILLED PIER CONCRETE					
POUR #1 (DRILLED PIERS)				C.Y.	13.5
3'-0" Ø DRILLED PIERS IN SOIL				LIN. FT.	12.8
3'-0" Ø DRILLED PIERS NOT IN SOIL				LIN. FT.	39.0
PERMANENT STEEL CASING FOR 3'-0" Ø DRILLED PIER				LIN. FT.	11.0
CSL TUBES				LIN. FT.	225.0



END VIEW



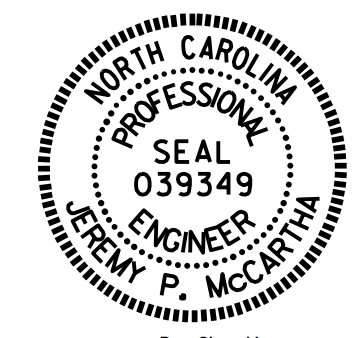
SECTION A-A

* INVERT ALTERNATE STIRRUPS

PROJECT NO. B-5548
CABARRUS COUNTY
 STATION: 29+55.00 -L-

SHEET 2 OF 2

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUBSTRUCTURE
 BENT 1



DocuSigned by:
 Jeremy McArthur
 11/18/2016

DRAWN BY :	N. D'AIUTO	DATE :	4/12/16
CHECKED BY :	J.K. BOWLES	DATE :	6/15/16
DESIGN ENGINEER OF RECORD:	N. D'AIUTO	DATE :	3/1/16

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	S-24	
1			3			TOTAL SHEETS	
2			4			30	