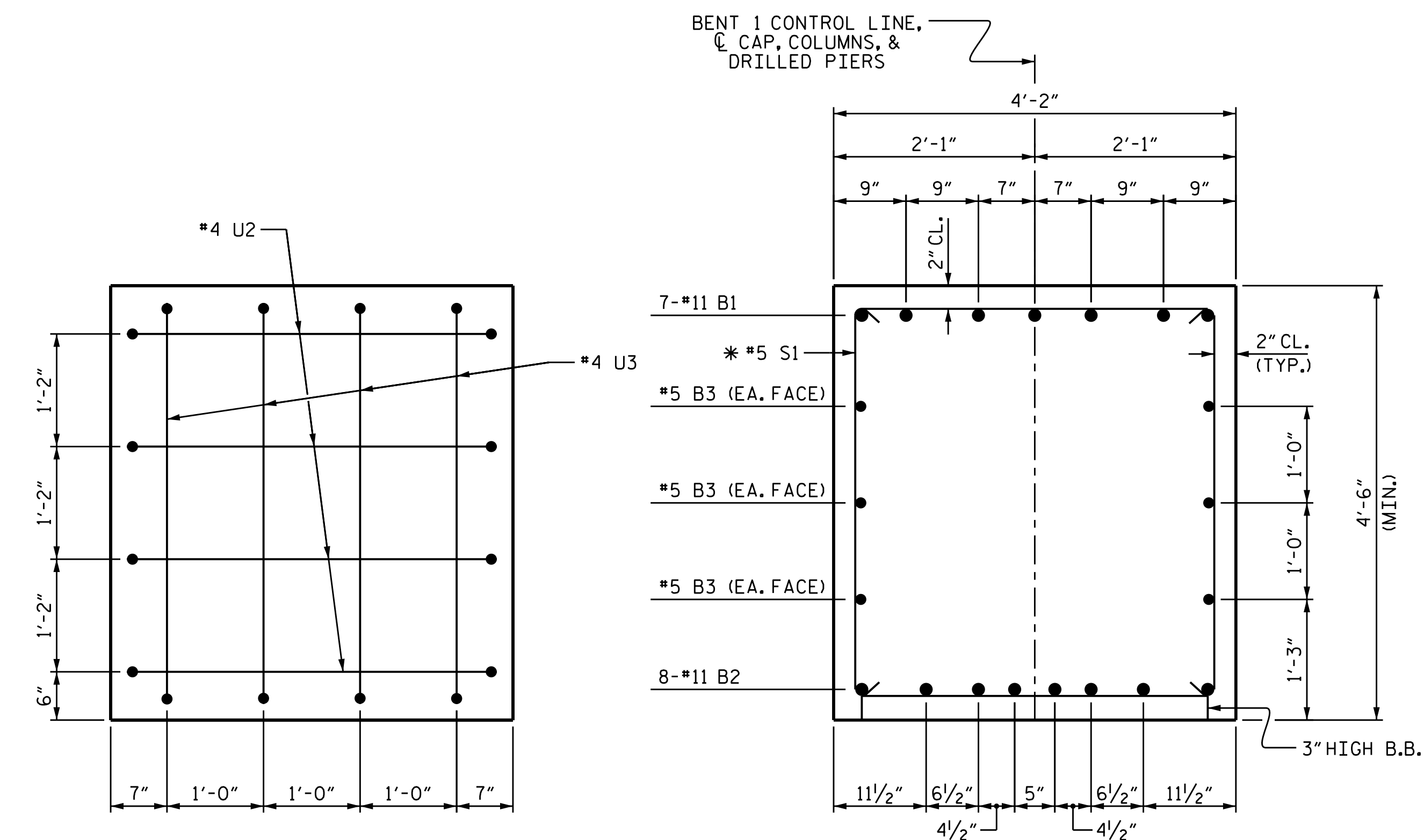


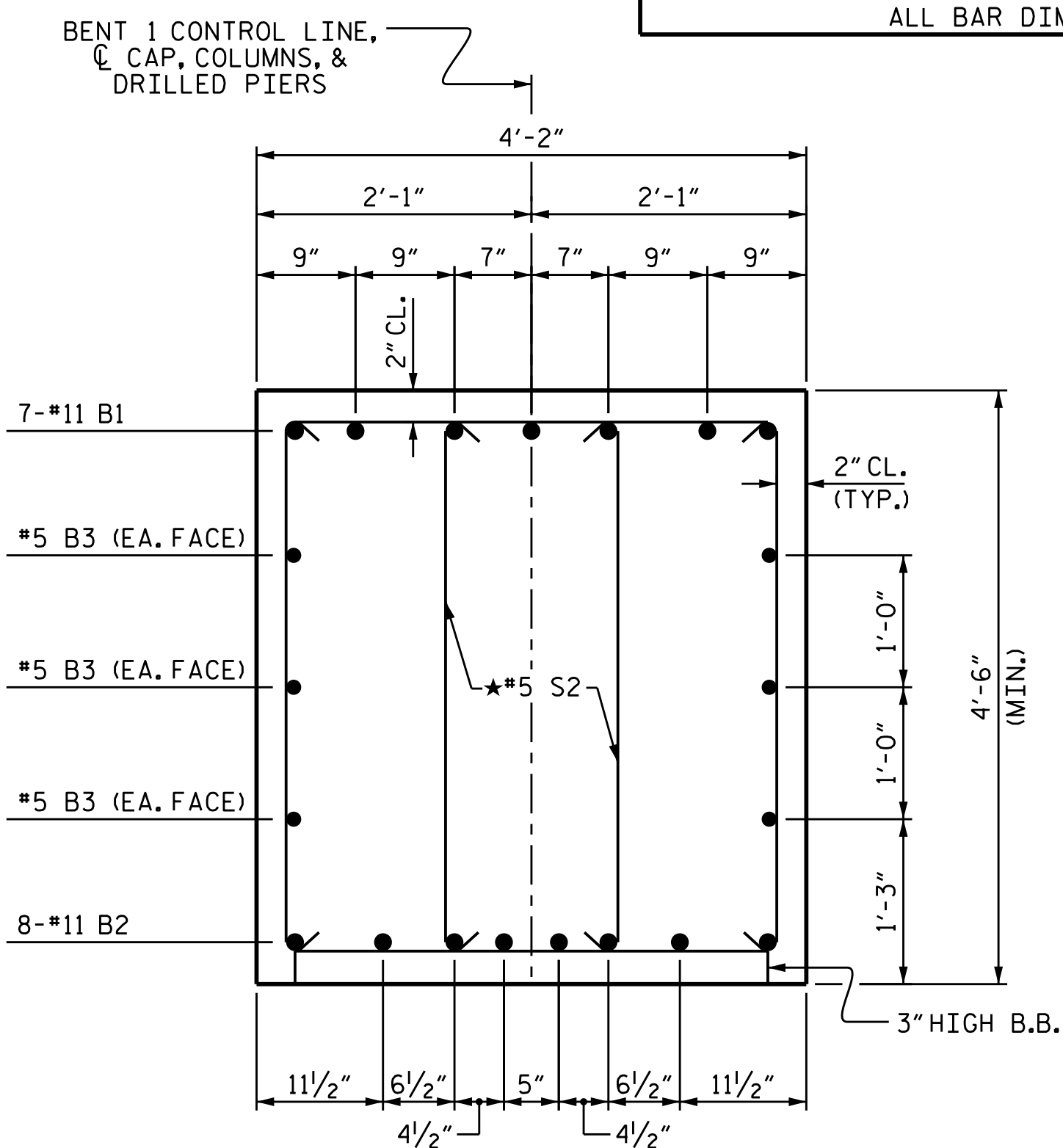
PLAN OF DRILLED PIERS & COLUMNS



END VIEW

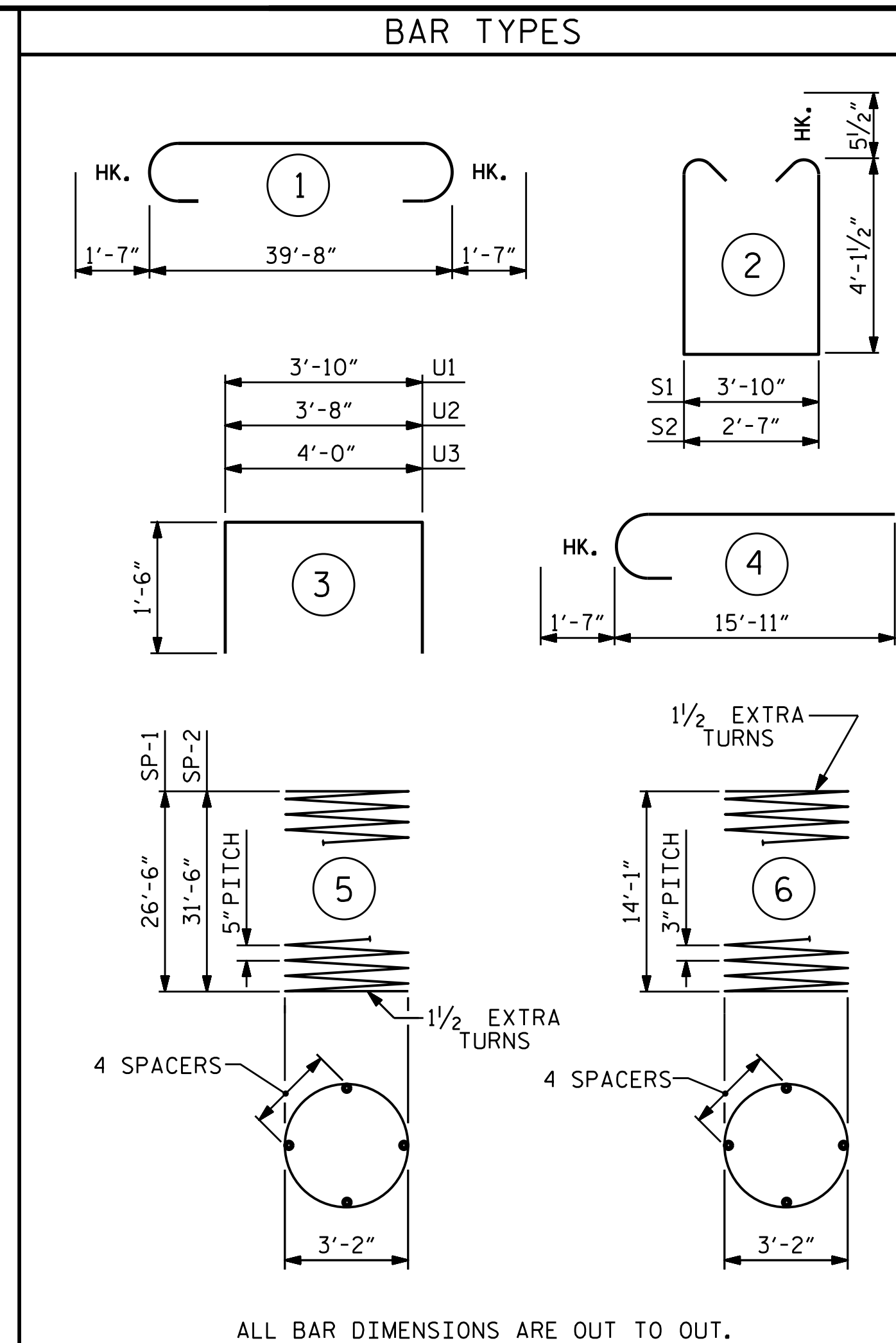
SECTION A-A

* INVERT ALTERNATE STIRRUPS



SECTION B-B

* INVERT ALTERNATE STIRRUP PAIRS

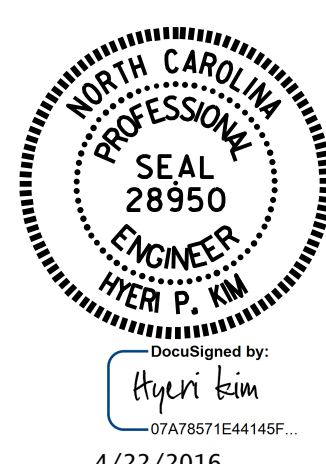


ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	7	#11	1	42'-10"	1593
B2	8	#11	STR	39'-10"	1693
B3	6	#5	STR	39'-10"	249
B4	7	#4	STR	3'-4"	16
M1	12	#11	STR	37'-2"	2370
M2	12	#11	STR	42'-2"	2688
S1	32	#5	2	13'-0"	434
S2	16	#5	2	11'-9"	196
U1	35	#4	3	6'-10"	160
U2	8	#4	3	6'-8"	36
U3	8	#4	3	7'-0"	37
V1	24	#11	4	17'-6"	2231
REINFORCING STEEL				LBS.	11,703
SP-1	1	**	5	639'-1"	667
SP-2	1	**	5	756'-7"	789
SP-3	2	*	6	569'-8"	758
SPIRAL COLUMN REINFORCING STEEL				LBS.	2,217
* THE SP-3 SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #4 PLAIN OR DEFORMED BAR.					
** THE SP-1 & SP-2 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.	9.8	
POUR #3 (CAP)			C.Y.	28.6	
TOTAL CLASS A CONCRETE			C.Y.	38.4	
DRILLED PIER QUANTITIES					
DRILLED PIER CONCRETE					
POUR #1 (DRILLED PIERS)			C.Y.	27.5	
4'-0" Ø DRILLED PIERS IN SOIL			LIN. FT.	26	
4'-0" Ø DRILLED PIERS NOT IN SOIL			LIN. FT.	33	
PERMANENT STEEL CASING FOR 4'-0" Ø DRILLED PIER			LIN. FT.	21	
SID INSPECTIONS			EACH	1	
SPT TESTING			EACH	1	
CSL TESTING			EACH	1	
CSL TUBES			LIN. FT.	248	

PROJECT NO. B-4766
IREDELL COUNTY
 STATION: 16+28.00 -L-

SHEET 2 OF 2



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUBSTRUCTURE
 BENT 1

DRAWN BY: J. K. BOWLES DATE: 10/22/15
 CHECKED BY: N. D'AIUTO DATE: 11/18/15
 DESIGN ENGINEER OF RECORD: H. A. LOCKLEAR DATE: 11/18/15

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-21
1			3			TOTAL SHEETS
2			4			26