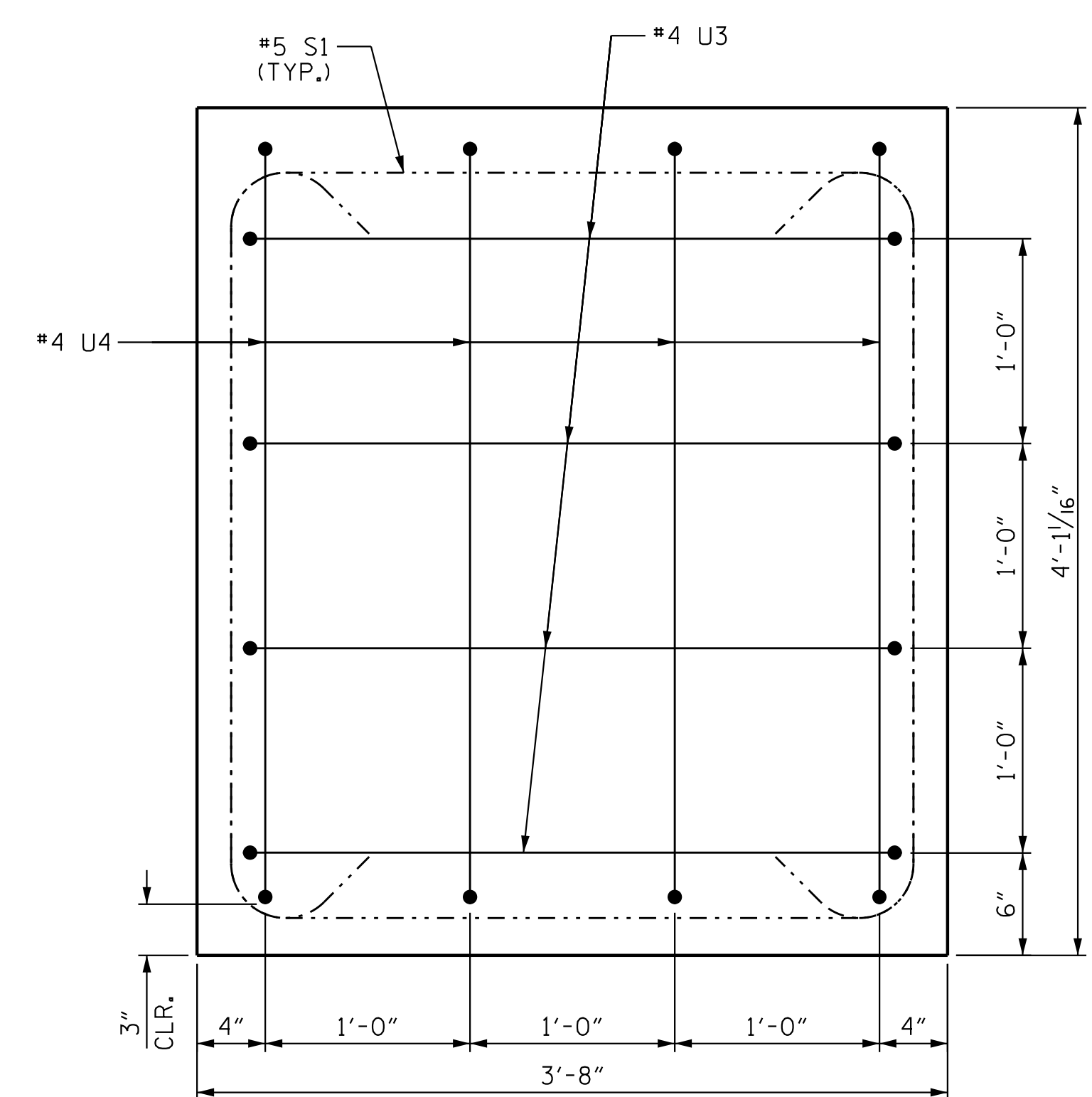
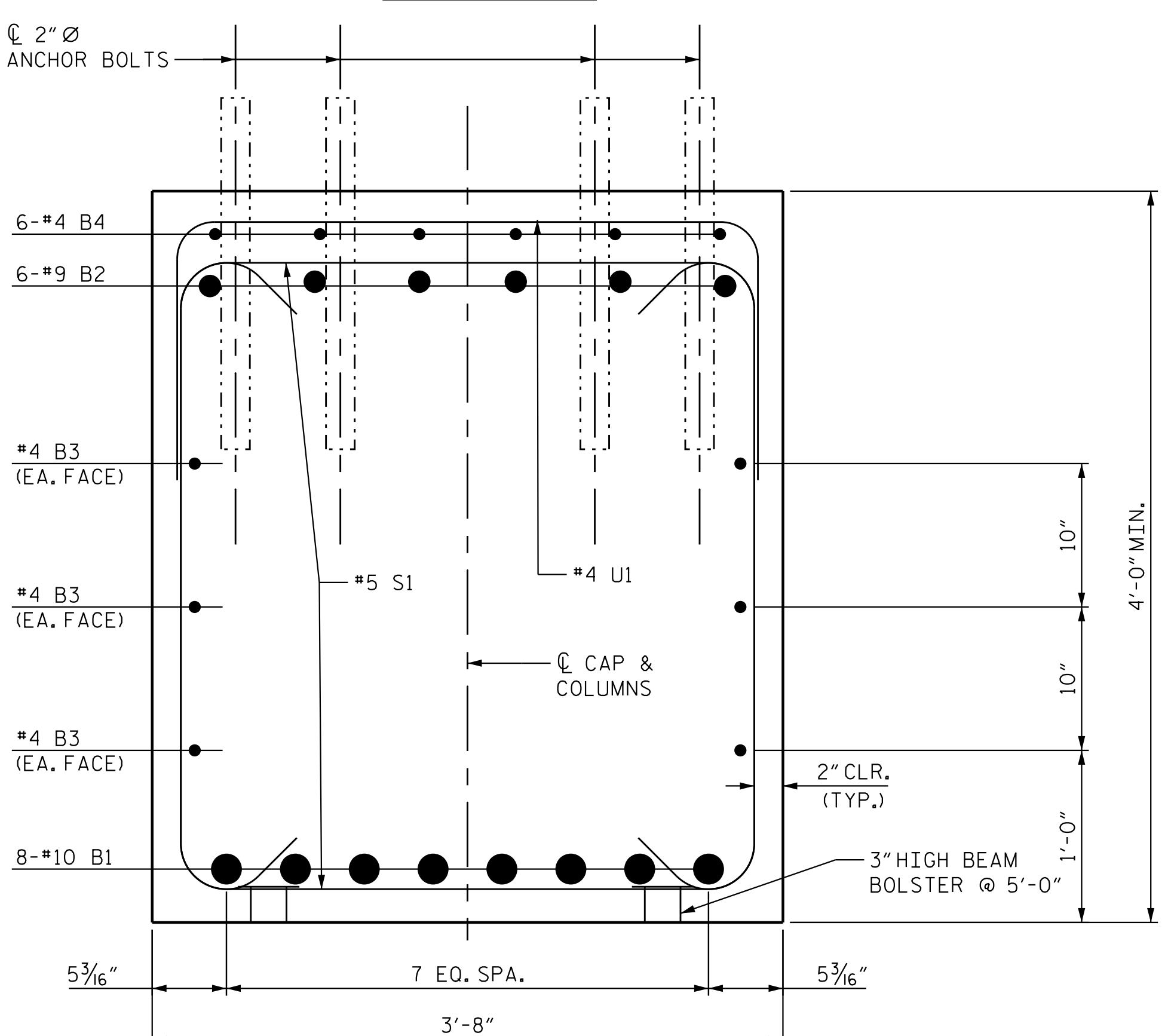


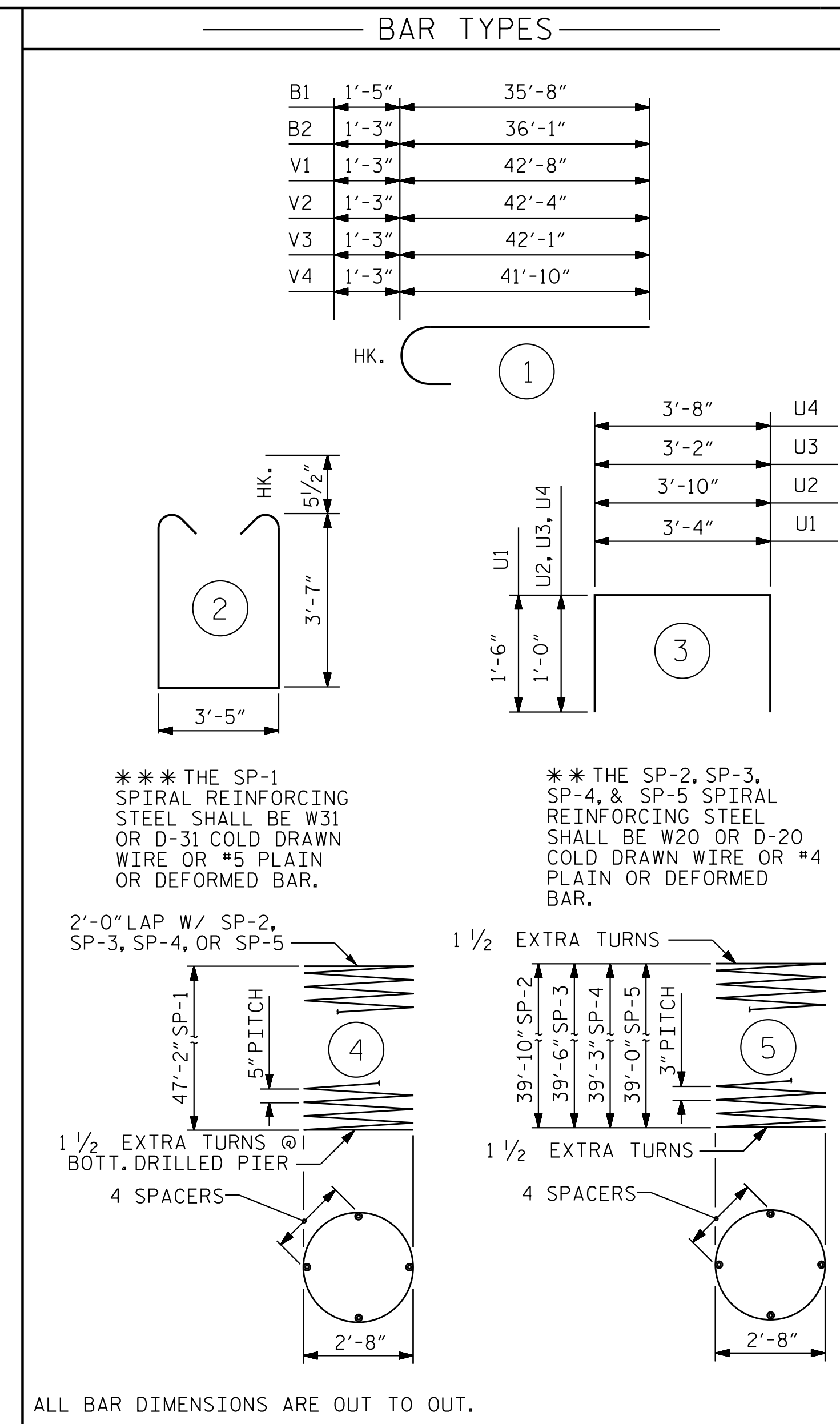
VIEW A-A



VIEW B-B

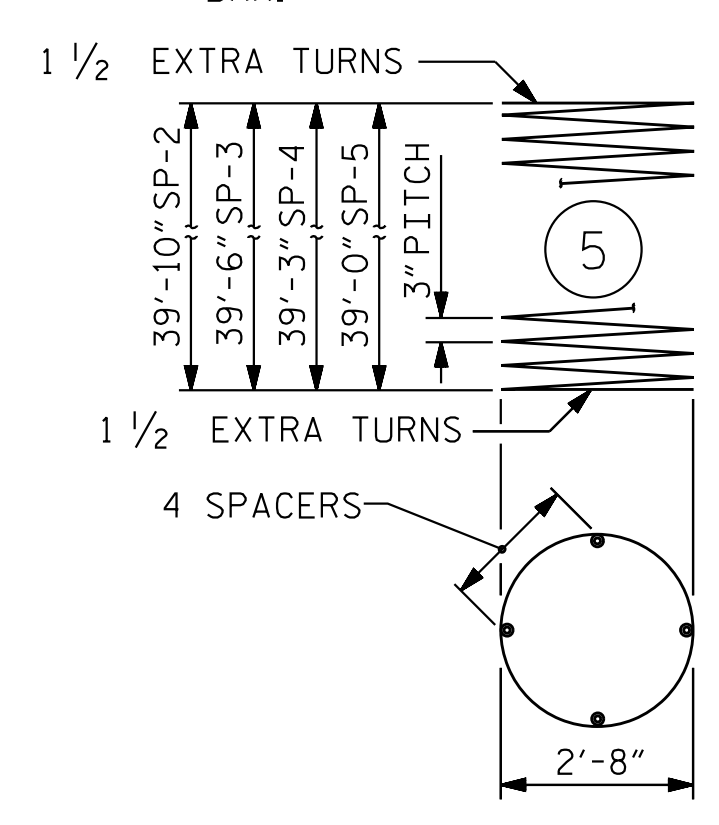
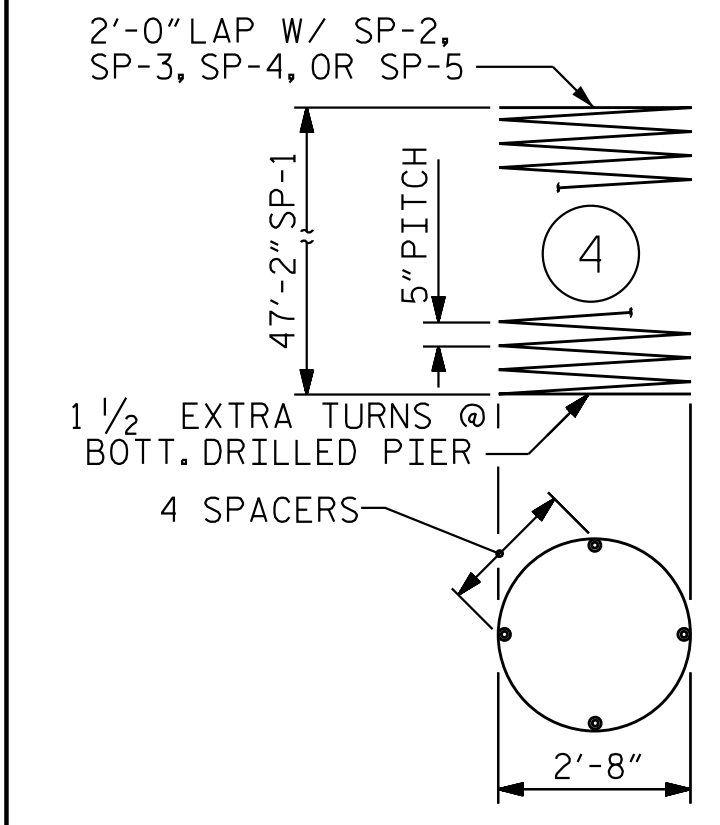


VIEW C-C



*** THE SP-1 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORMED BAR.

** THE SP-2, SP-3, SP-4, & SP-5 SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #4 PLAIN OR DEFORMED BAR.



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL

BENT #2

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	16	#10	1	37'-1"	2554
B2	12	#9	1	37'-4"	1524
B3	18	#4	STR	22'-9"	274
B4	36	#4	STR	6'-0"	145
B5	6	#4	STR	3'-8"	15
M1	64	#10	STR	55'-2"	15193
S1	105	#5	2	11'-6"	1260
U1	33	#4	3	6'-4"	140
U2	4	#4	3	5'-10"	16
U3	9	#4	3	5'-2"	32
U4	4	#4	3	5'-8"	16
V1	16	#10	1	43'-11"	3024
V2	16	#10	1	43'-7"	3001
V3	16	#10	1	43'-4"	2984
V4	16	#10	1	43'-1"	2967

REINFORCING STEEL LBS. 33,145

SP-1	4	***	4	773'-10"	3229
SP-2	1	**	5	1342'-1"	897
SP-3	1	**	5	1325'-8"	886
SP-4	1	**	5	1317'-5"	881
SP-5	1	**	5	1309'-2"	875

SPIRAL COLUMN REINFORCING STEEL LBS. 6,768

DRILLED PIER CONC BREAKDOWN: POUR #1 DRILLED PIERS C. Y. 49.9

3'-6" DIA DRILLED PIERS IN SOIL LIN. FT. 174.67

3'-6" DIA DRILLED PIERS NOT IN SOIL LIN. FT. 16.00

CLASS A CONCRETE BREAKDOWN POUR #2 COLUMNS C. Y. 40.9 POUR #3 CAP C. Y. 36.0 TOTAL CLASS A CONC. C. Y. 76.9

* CSL TUBES LIN. FT. 786.70

* NO SEPARATE PAYMENT WILL BE MADE FOR CSL TUBES. CSL TUBES WILL BE INCLUDED IN THE UNIT BID PRICE FOR DRILLED PIERS.

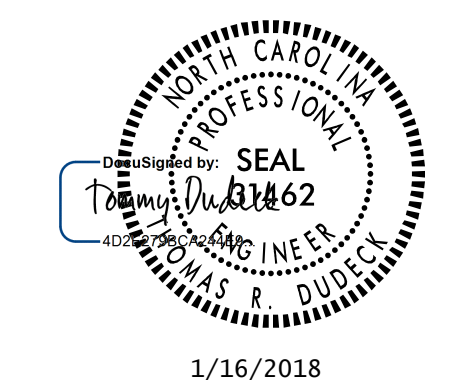
PROJECT NO. U-2525C
GUILFORD COUNTY
STATION: 337+20.09 -L-

SHEET 3 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE
BENT 2 DETAILS

(RL)



1/16/2018

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO. S5-32
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS 38
2			4			

STR. #5

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DRAWN BY: J. B. GEILE DATE: 01-30-17
CHECKED BY: V. E. FRAGA DATE: 06-01-17
DESIGN ENGINEER OF RECORD: T. R. DUDECK DATE: 01/16/18

U:\Structures\Drawing\Site 5\Final\RL U-2525C-SD_B.M.-2.3.dgn 1/12/2018 5:50:02 PM jgeile