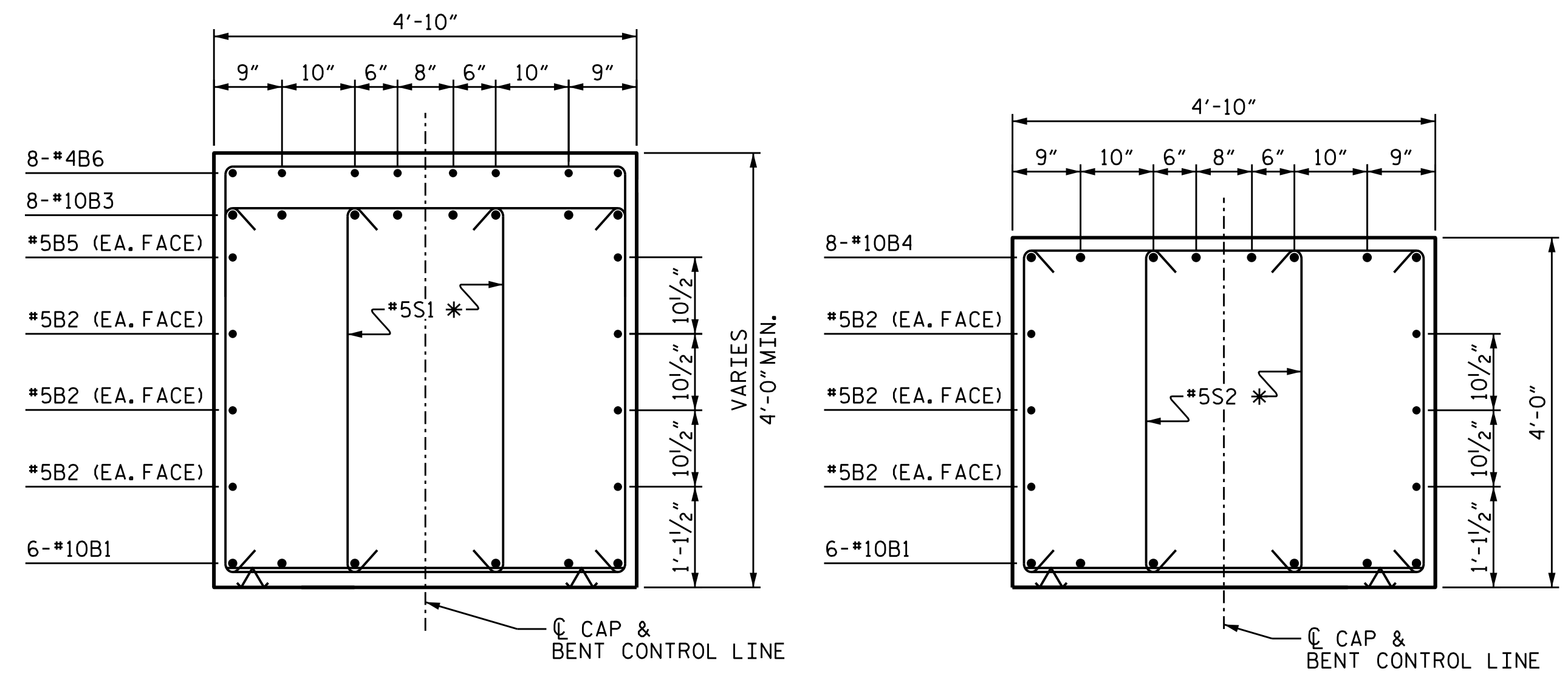


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TIME: 3:54:48 PM

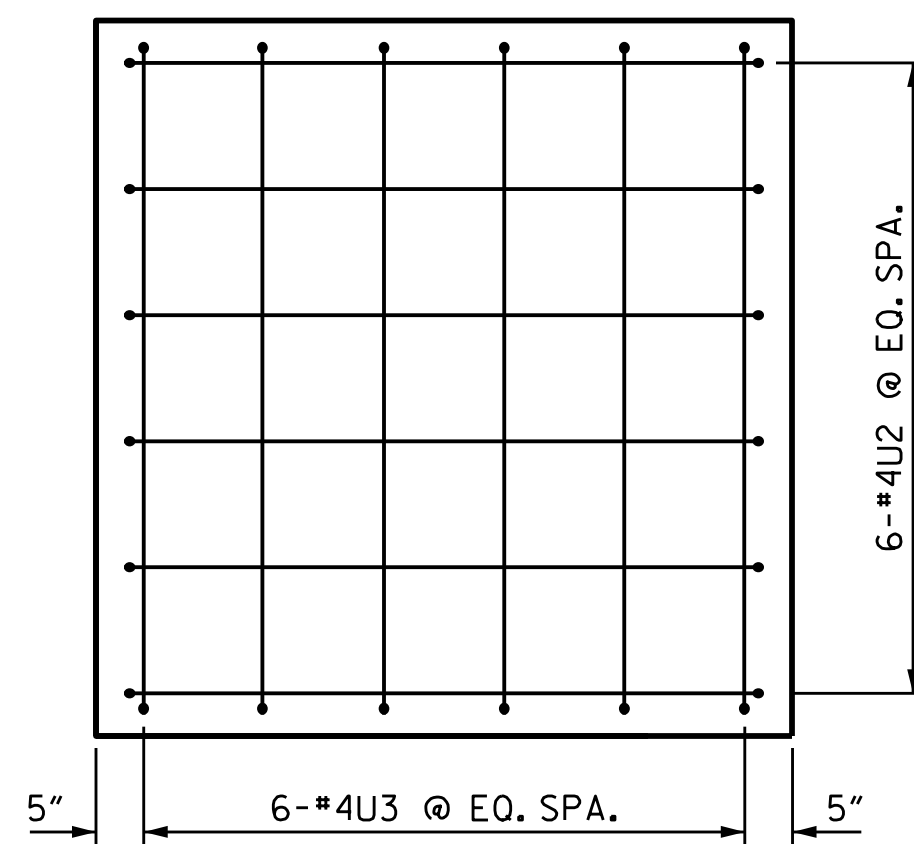
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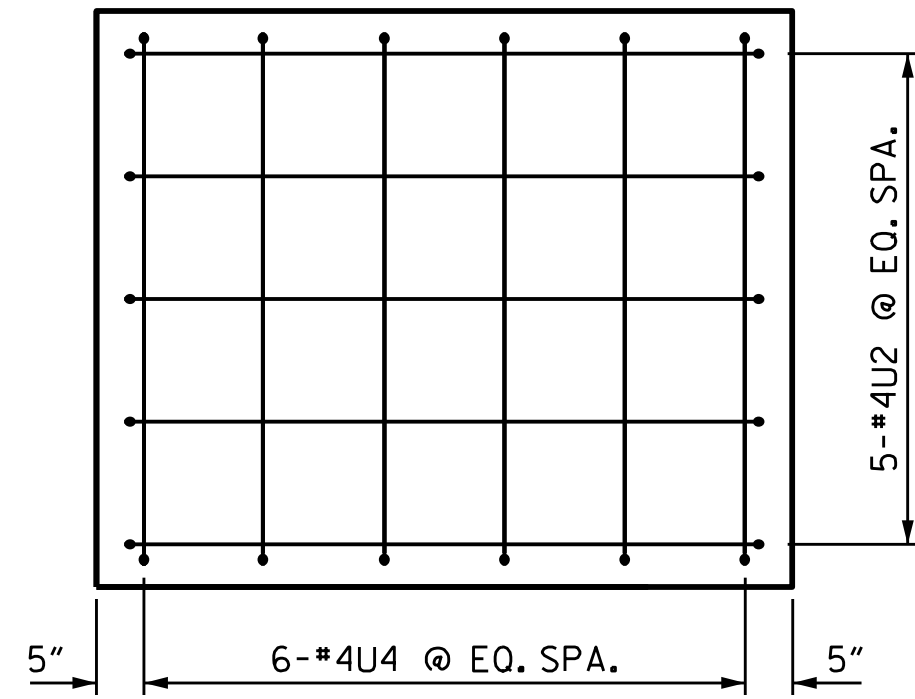
SECTION A-A

SECTION B-B

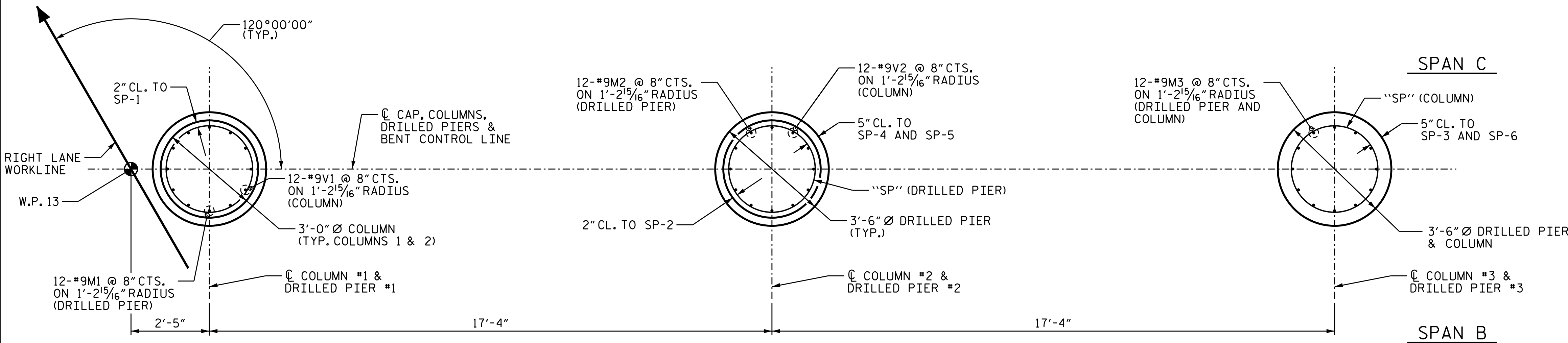
*INVERT ALTERNATE PAIR OF STIRRUPS BETWEEN COLUMNS



LEFT CAP END VIEW



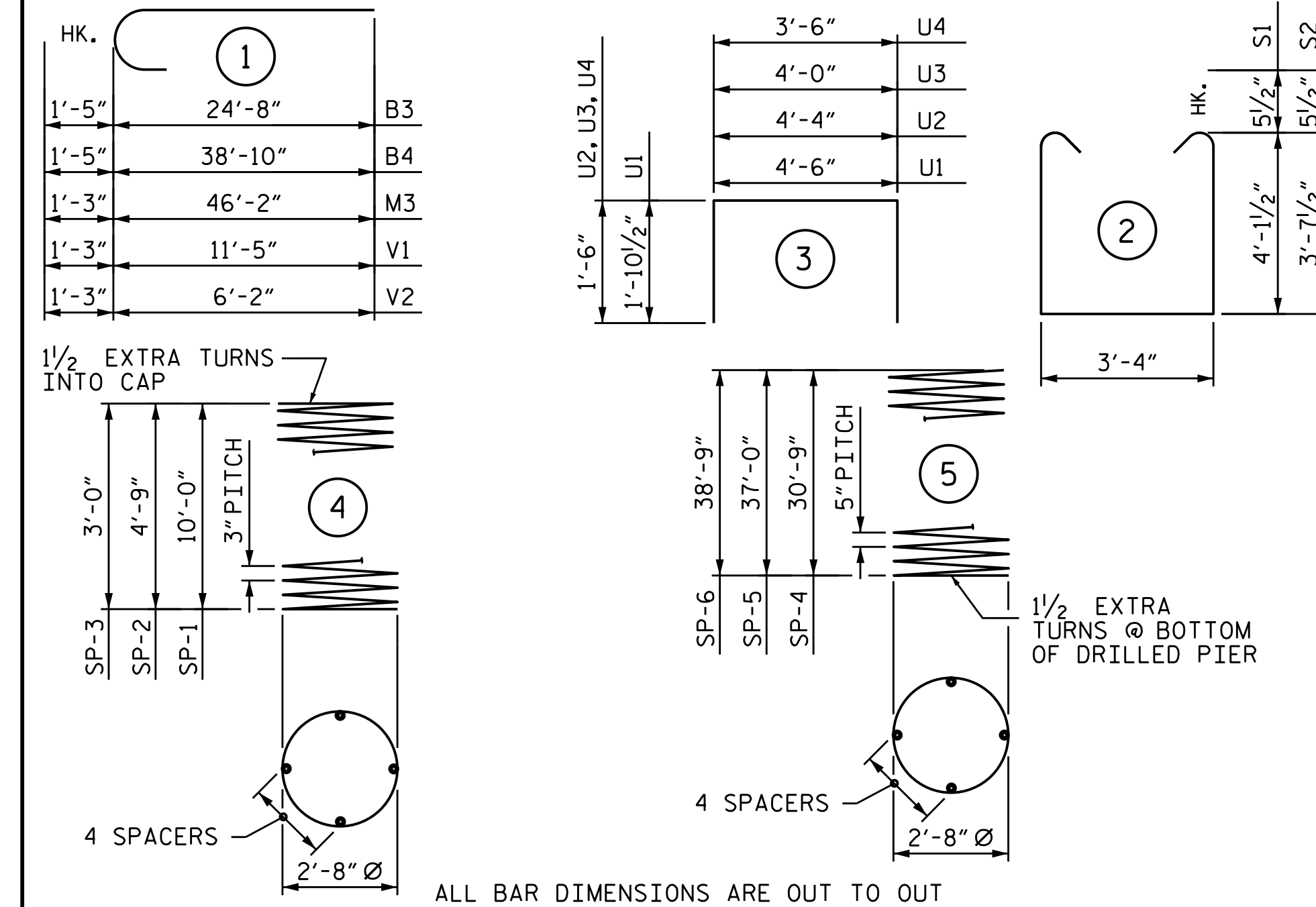
RIGHT CAP END VIEW



PLAN OF DRILLED PIERS AND COLUMNS

DRAWN BY : B.D.HODACK DATE : 06/2021
 CHECKED BY : S.NATARAJAN DATE : 08/2021
 DESIGNED BY : S.NATARAJAN DATE : 06/2021
 DESIGN CHECKED BY : G.R.COLES DATE : 06/2021

BAR TYPES

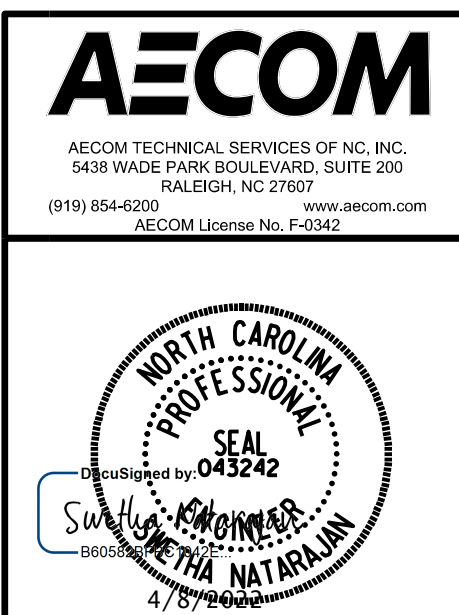


BILL OF MATERIAL

BENT 2					
BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	
B1	6	#10	STR	44'-8"	1153
B2	6	#5	STR	44'-8"	280
B3	8	#10	1	26'-1"	898
B4	8	#10	1	40'-3"	1386
B5	2	#5	STR	10'-5"	22
B6	8	#4	STR	4'-8"	25
B7	5	#4	STR	4'-6"	15
M1	12	#9	STR	37'-10"	1544
M2	12	#9	STR	44'-1"	1799
M3	12	#9	1	47'-5"	1935
S1	54	#5	2	12'-6"	704
S2	46	#5	2	11'-6"	552
U1	50	#4	3	8'-3"	276
U2	11	#4	3	7'-4"	54
U3	6	#4	3	7'-0"	28
U4	6	#4	3	6'-6"	26
V1	12	#9	1	12'-8"	517
V2	12	#9	1	7'-5"	303
REINFORCING STEEL					11,517 LBS.
SP-1	1	*	4	341'-8"	228
SP-2	1	*	4	168'-9"	113
SP-3	1	*	4	111'-2"	74
SP-4	1	**	5	618'-1"	645
SP-5	1	**	5	741'-2"	773
SP-6	1	**	5	775'-8"	809
SPIRAL COLUMN REINFORCING STEEL					2,642 LBS.
* THE SP-1, 2, 3 SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #4 PLAIN OR DEFORMED BAR					
** THE SP-4, 5, 6 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORMED BAR					
CLASS A CONCRETE BREAKDOWN					
POUR #2 (COLUMNS)				4.8 C.Y.	
POUR #3 (CAP)				35.8 C.Y.	
TOTAL CLASS A CONCRETE				40.6 C.Y.	
DRILLED PIERS:					
DRILLED PIER CONCRETE POUR #1 (DRILLED PIERS)				38.5 C.Y.	
3'-6" Ø DRILLED PIERS IN SOIL				52 LIN. FT.	
3'-6" Ø DRILLED PIERS NOT IN SOIL				56 LIN. FT.	
CSL TUBES				450 LIN. FT.	
PERM. STEEL CASING FOR 42" Ø DRILLED PIER				51.4 LIN. FT.	

PROJECT NO. B-5717
 COUNTY GUILFORD
 STATION: 21+22.00 -L-

SHEET 2 OF 2



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUBSTRUCTURE
 BENT 2
 (RIGHT LANE)

REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

SHEET NO. S1-32
TOTAL SHEETS 38

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED