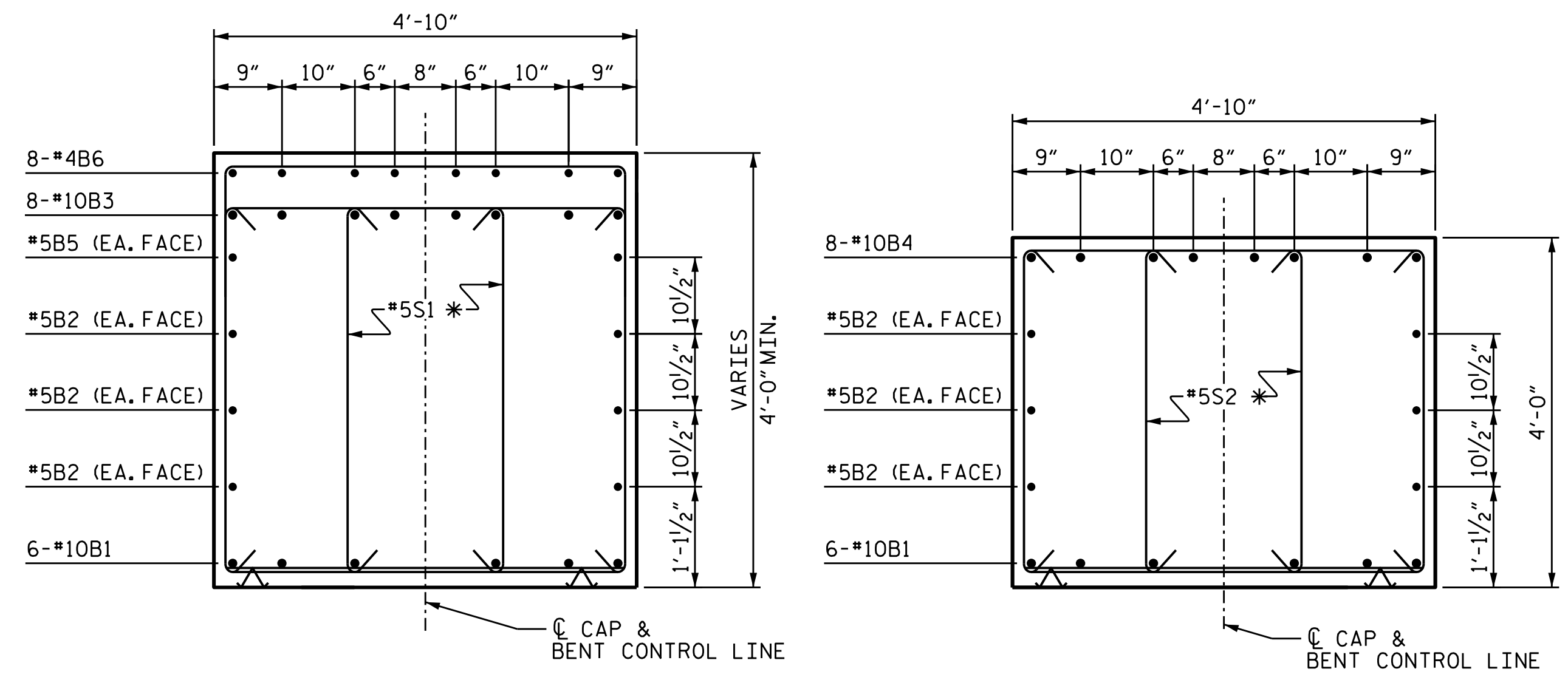


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TIME: 3:58:50 PM

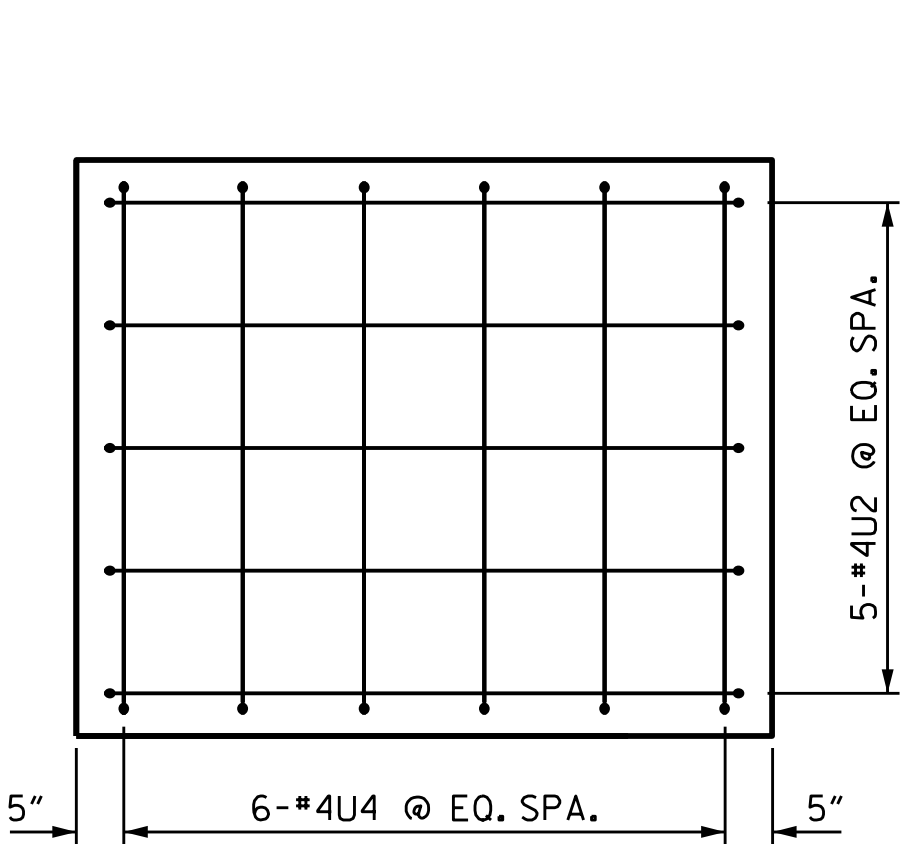
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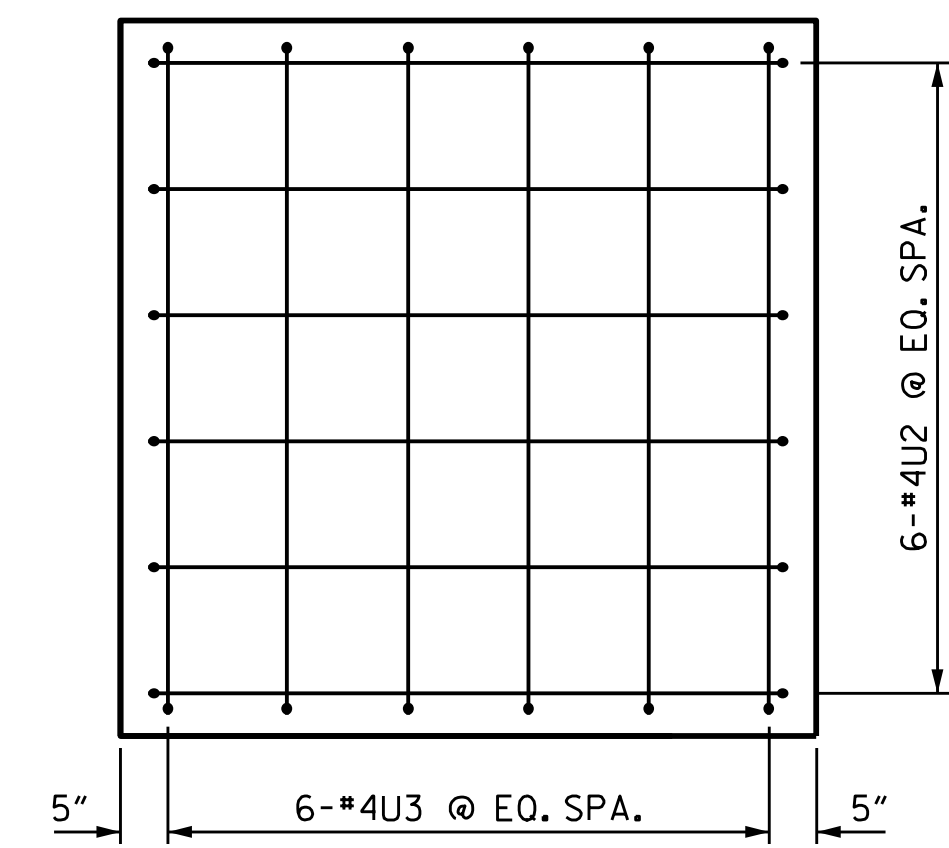
SECTION A-A

SECTION B-B

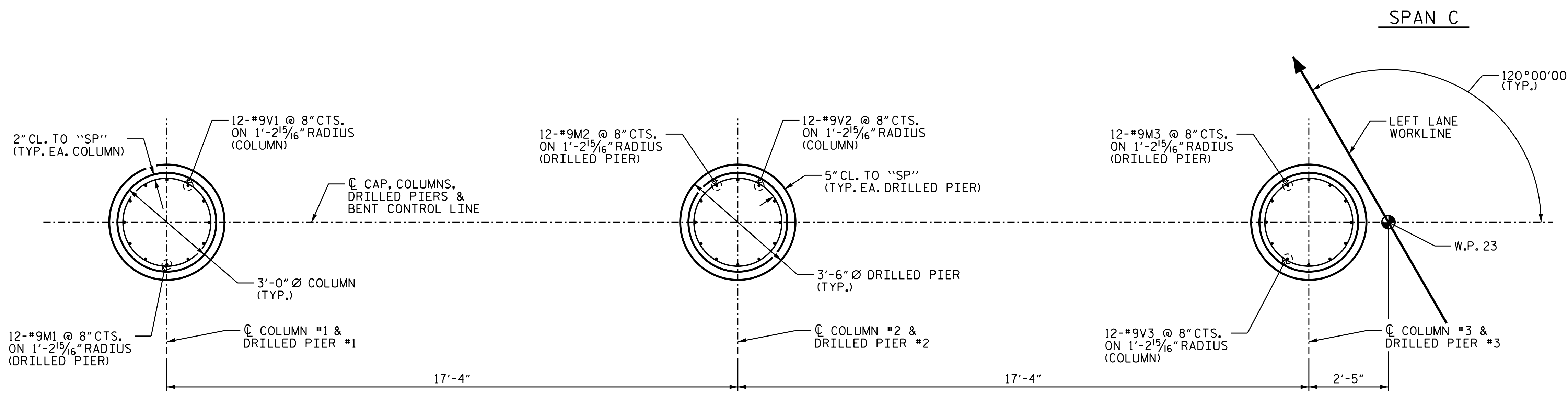
* INVERT ALTERNATE PAIR OF STIRRUPS BETWEEN COLUMNS



LEFT CAP END VIEW



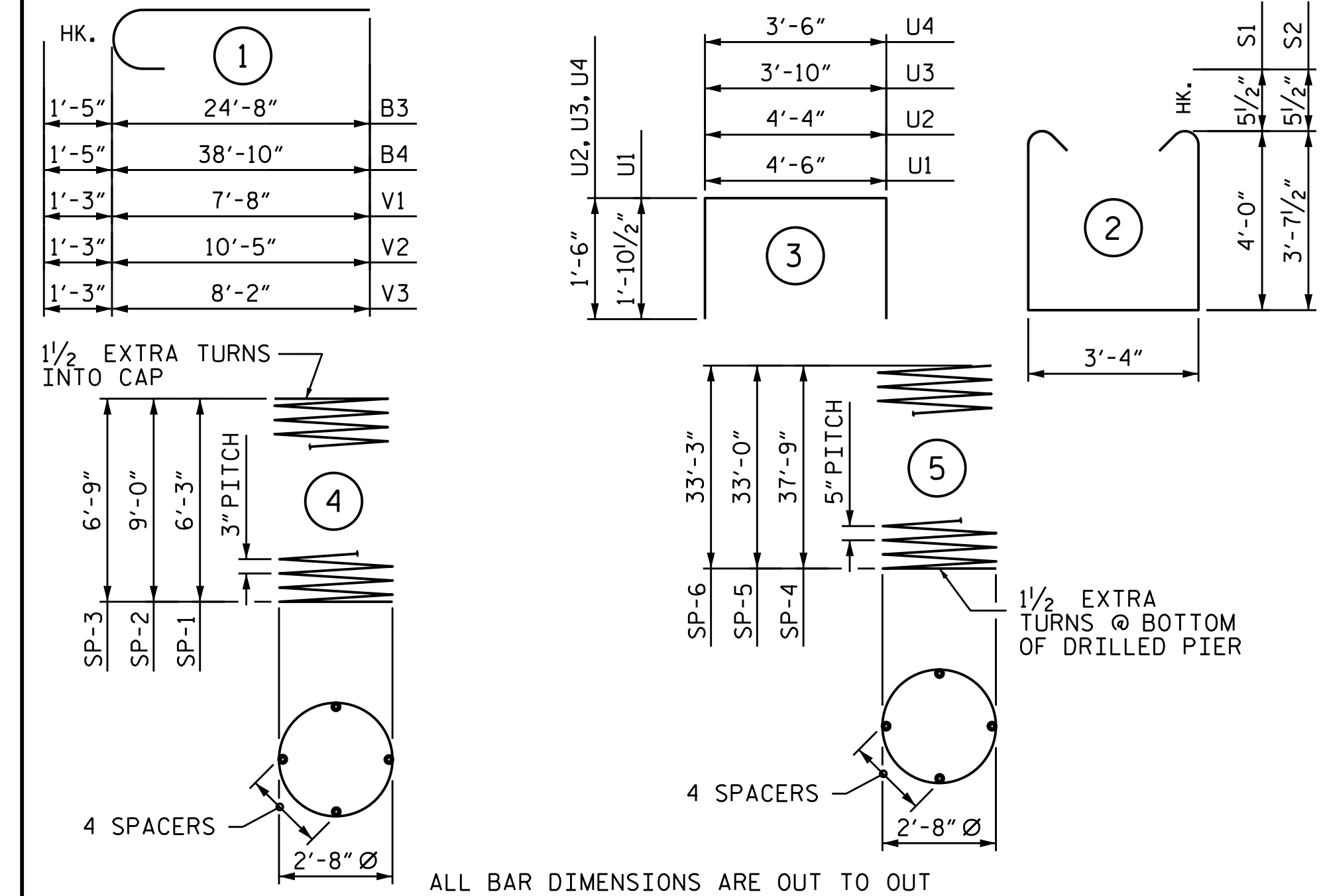
RIGHT CAP END VIEW



PLAN OF DRILLED PIERS AND COLUMNS

DRAWN BY : B.D. HODACK DATE : 07/2021
CHECKED BY : S. NATARAJAN DATE : 07/2021
DESIGNED BY : S. NATARAJAN DATE : 06/2021
DESIGN CHECKED BY : G.R. COLS DATE : 06/2021

BAR TYPES

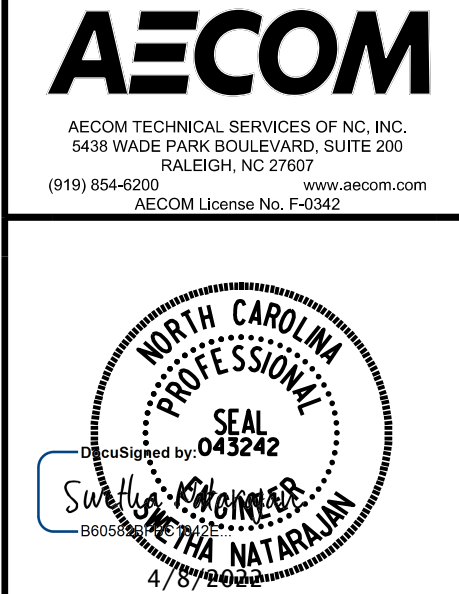


BILL OF MATERIAL

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	44'-10"	1829
M2	12	#9	STR	40'-1"	1635
M3	12	#9	STR	40'-4"	1646
S1	54	#5	2	12'-3"	690
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	6'-10"	27
U4	6	#4	3	6'-6"	26
V1	12	#9	1	8'-11"	364
V2	12	#9	1	11'-8"	476
V3	12	#9	1	9'-5"	384
REINFORCING STEEL					11,738 LBS.
SP-1	1	*	4	218'-2"	146
SP-2	1	*	4	308'-9"	206
SP-3	1	*	4	234'-8"	157
SP-4	1	**	5	755'-11"	788
SP-5	1	**	5	662'-4"	691
SP-6	1	**	5	667'-4"	696
SPIRAL COLUMN REINFORCING STEEL					2,684 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)	5.6 C.Y.				
POUR #3 (CAP)	35.0 C.Y.				
TOTAL CLASS A CONCRETE	40.6 C.Y.				
DRILLED PIERS:					
DRILLED PIER CONCRETE					
POUR #1 (DRILLED PIERS)	37.6 C.Y.				
3'-6" Ø DRILLED PIERS IN SOIL	52.5 LIN. FT.				
3'-6" Ø DRILLED PIERS NOT IN SOIL	53 LIN. FT.				
CSL TUBES	440 LIN. FT.				
PERM. STEEL CASING FOR 42" Ø DRILLED PIER	48.2 LIN. FT.				

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

SHEET 2 OF 2



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

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

SHEET NO. S2-32
TOTAL SHEETS 38

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED