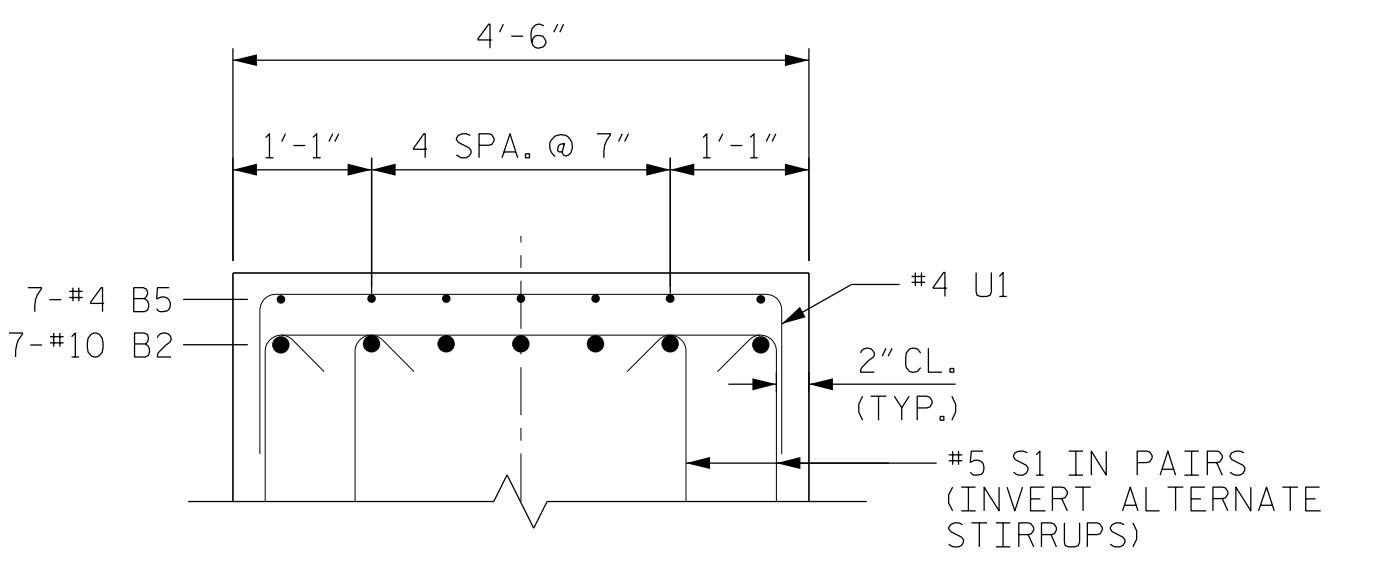
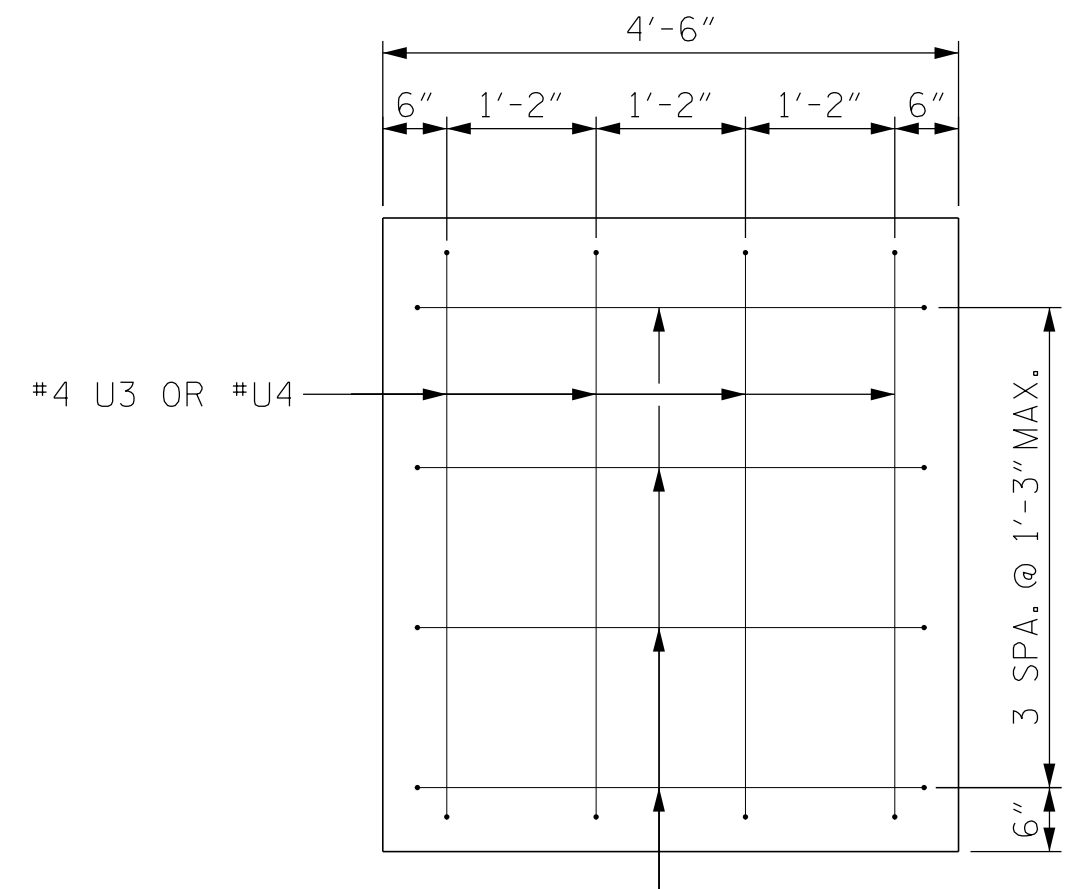


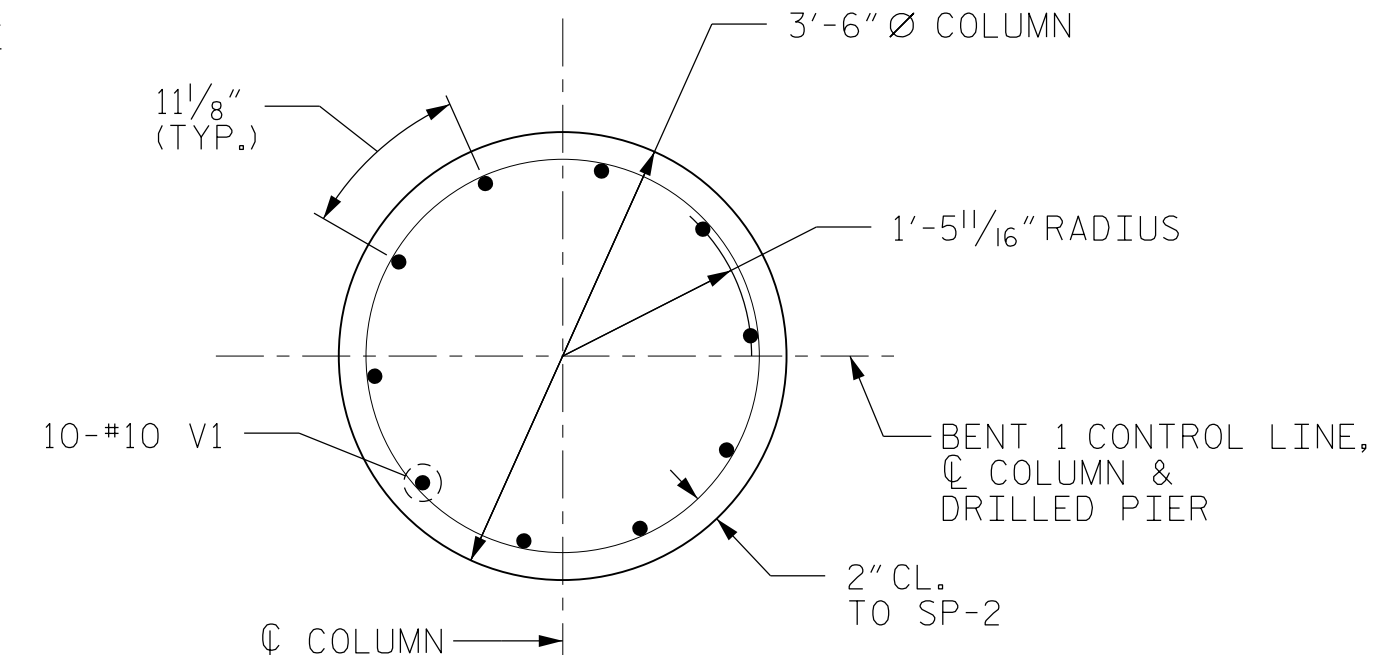
SECTION A-A



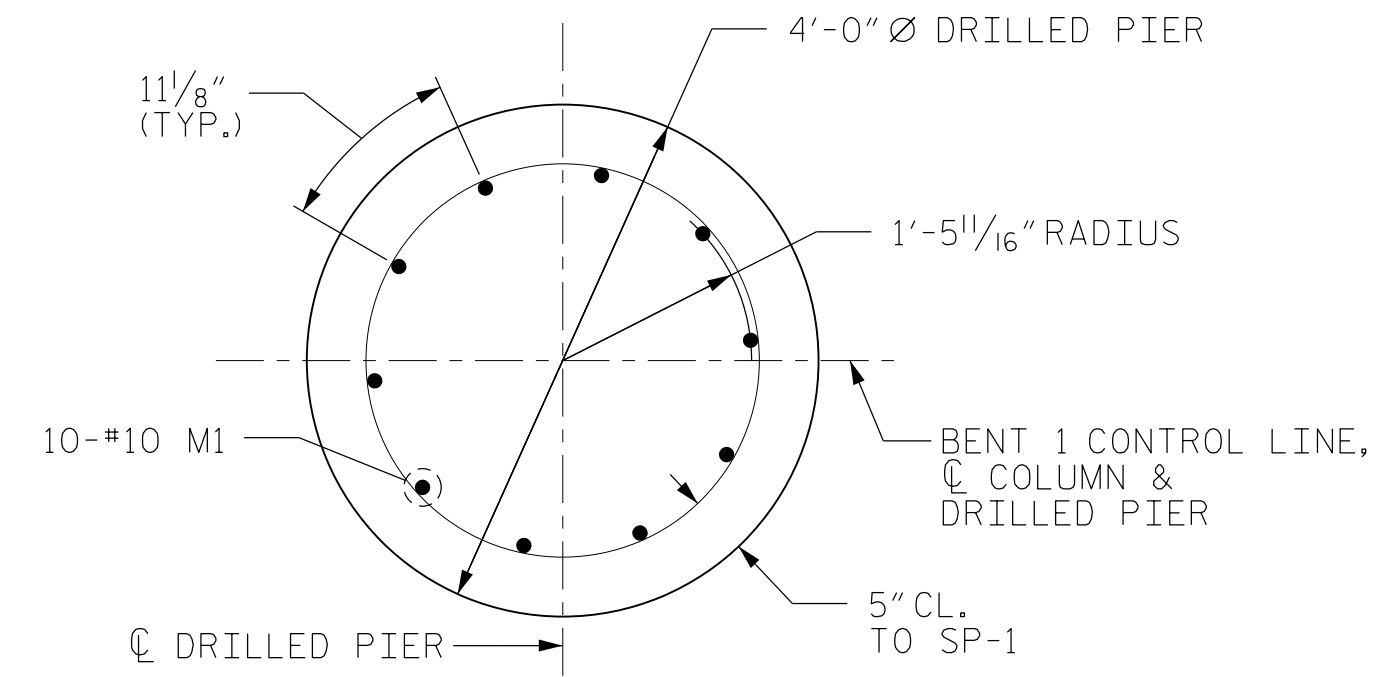
PARTIAL SECTION B-B



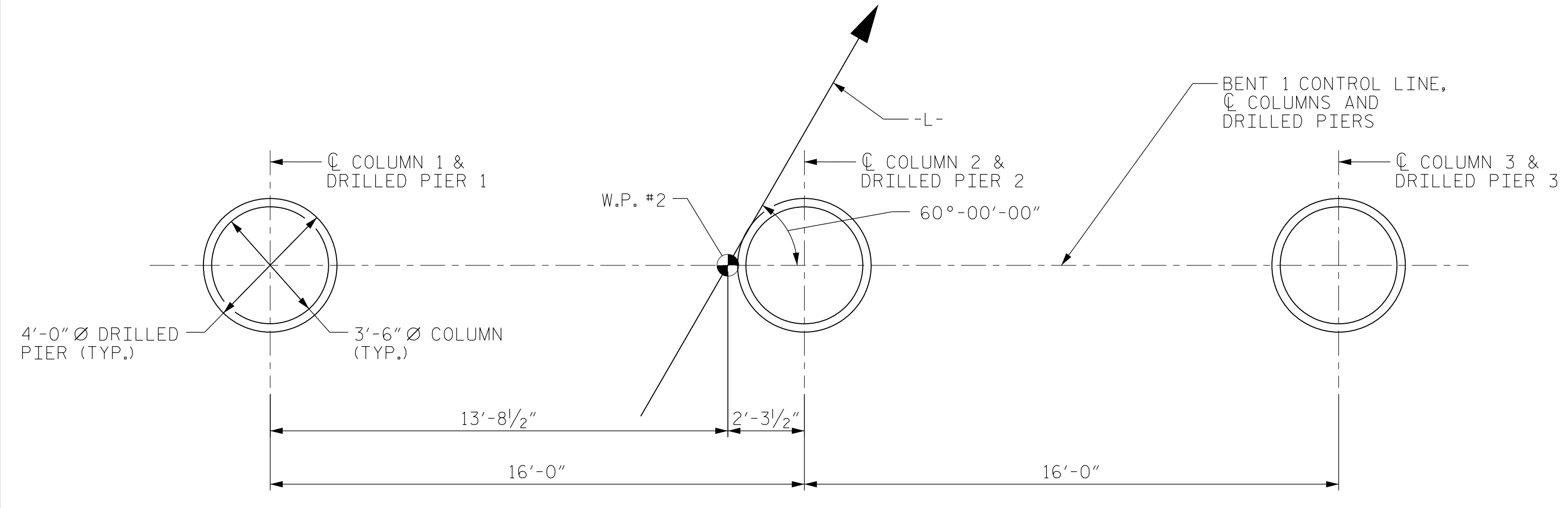
VIEW X-X



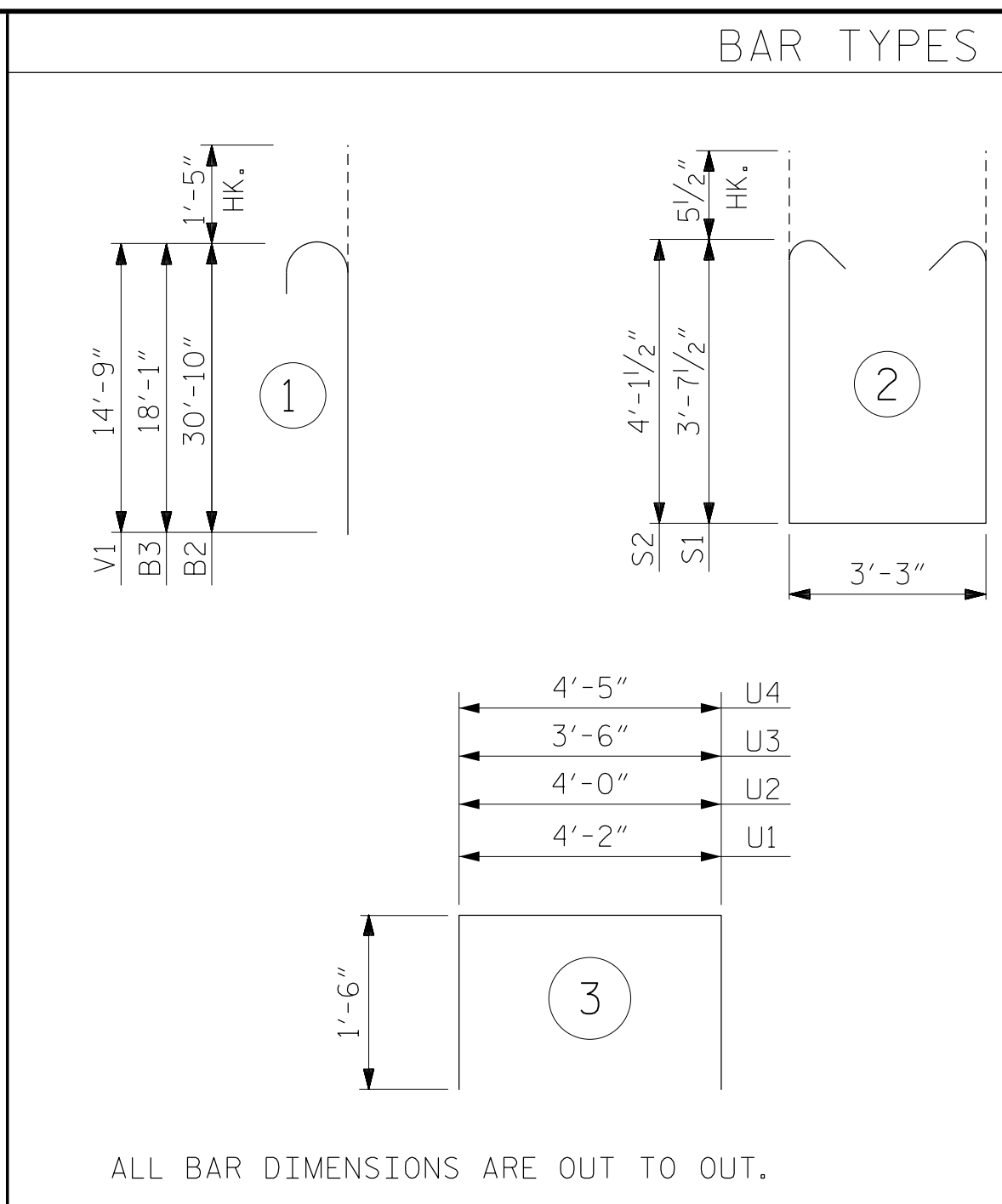
SECTION D-D



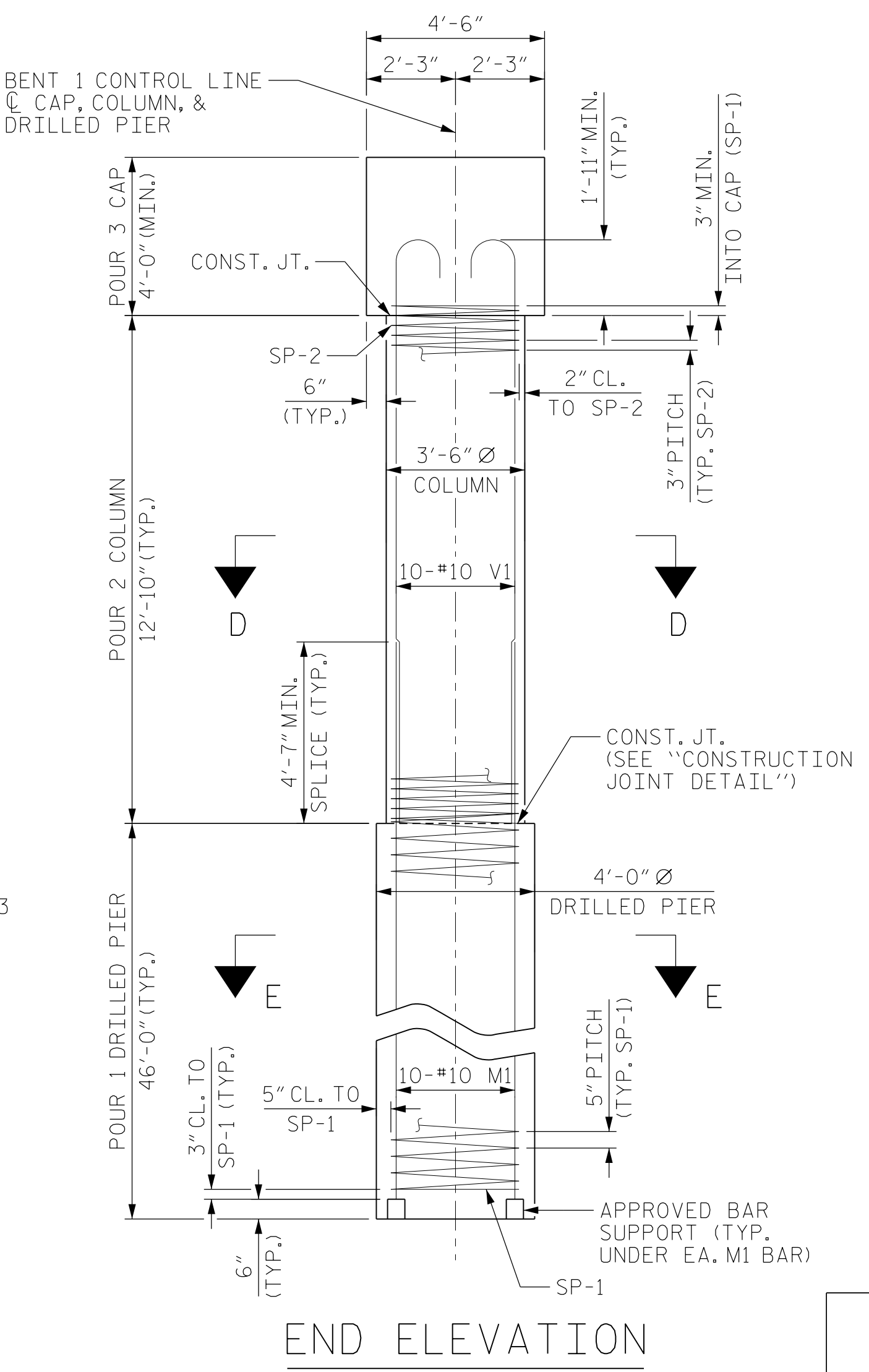
SECTION E-E



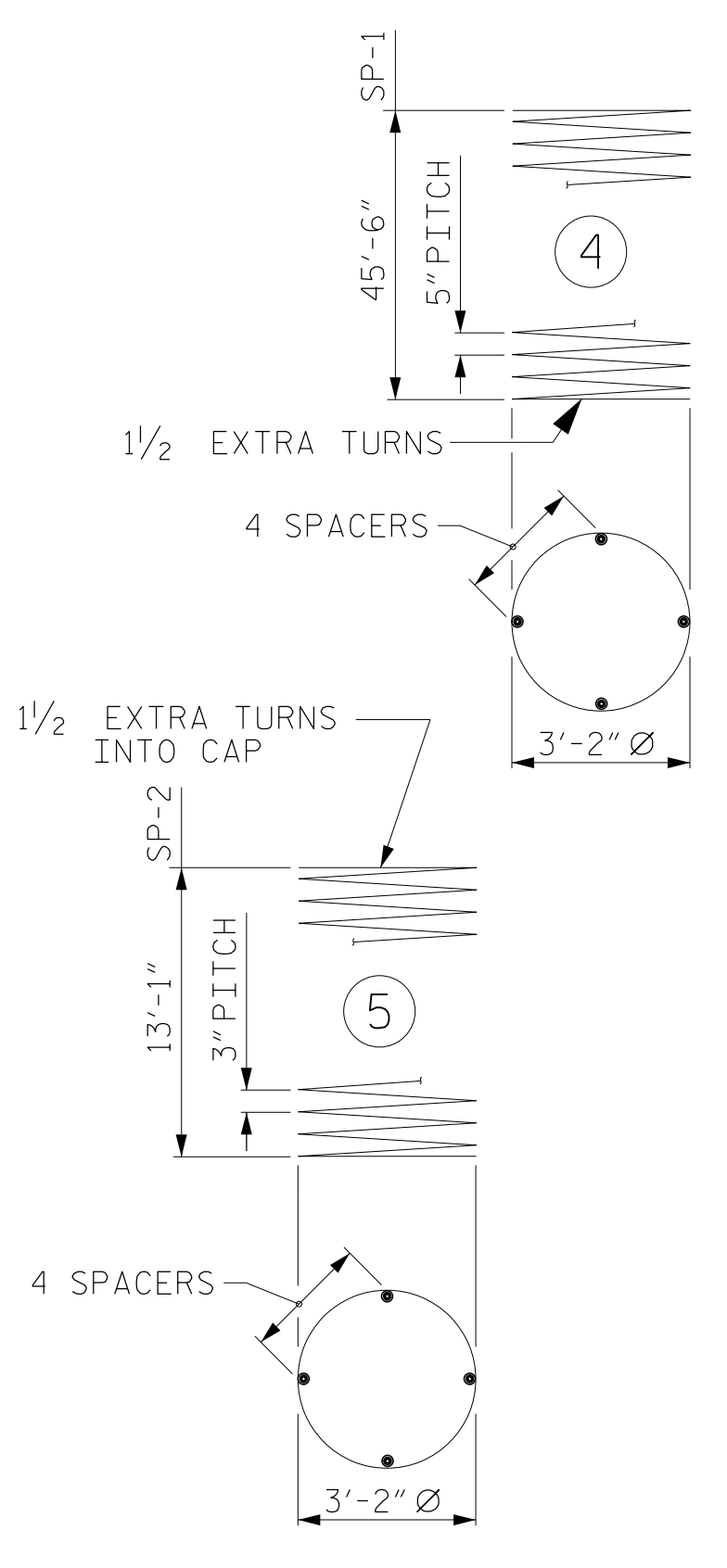
PLAN OF DRILLED PIERS AND COLUMNS



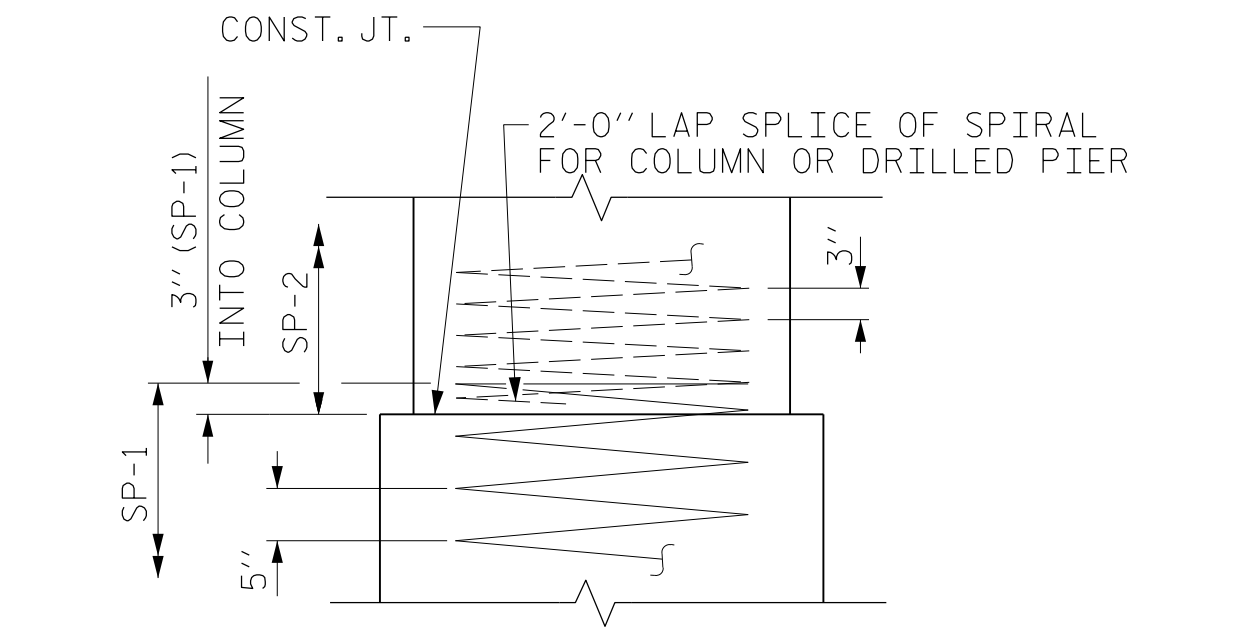
ALL BAR DIMENSIONS ARE OUT TO OUT.



END ELEVATION

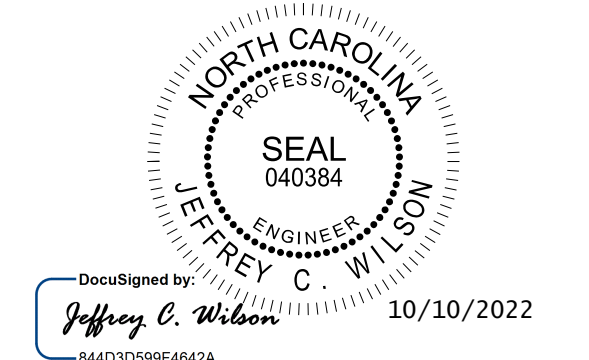


BILL OF MATERIAL					
BENT 1					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	7	#10	STR	42'-11"	1,293
B2	7	#10	1	32'-3"	971
B3	7	#10	1	19'-6"	587
B4	6	#5	STR	42'-11"	269
B5	7	#4	STR	12'-5"	58
B6	7	#4	STR	5'-8"	26
B7	2	#5	STR	16'-9"	35
B8	2	#4	STR	4'-2"	6
M1	30	#10	STR	53'-1"	6,853
S1	62	#5	2	11'-5"	738
S2	50	#5	2	12'-5"	648
U1	48	#4	3	7'-2"	230
U2	8	#4	3	7'-0"	37
U3	4	#4	3	6'-6"	17
U4	4	#4	3	7'-5"	20
V1	30	#10	1	16'-2"	2,087
REINFORCING STEEL 13,875 LBS.					
SP-1	3	*	4	1,087'-2"	3,402
SP-2	3	**	5	530'-4"	1,063
SPIRAL COLUMN REINFORCING STEEL 4,465 LBS.					
* THE SP-1 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORMED BAR					
** THE SP-2 SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #4 PLAIN OR DEFORMED BAR					
CLASS A CONCRETE BREAKDOWN					
POUR #2 COLUMNS					13.7 C.Y.
POUR #3 CAP					31.7 C.Y.
TOTAL CLASS A CONCRETE					45.4 C.Y.
DRILLED PIER CONCRETE					64.2 C.Y.
POUR #1 (DRILLED PIERS)					64.2 C.Y.



CONSTRUCTION JOINT DETAIL

PROJECT NO. BR-0070
 CASWELL COUNTY
 STATION: 30+57.00 -L-
 SHEET 2 OF 2



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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STEWART

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
SUBSTRUCTURE					
BENT 1 SECTION AND DETAILS					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

SHEET NO. S-31
 TOTAL SHEETS 39

DRAWN BY: J. WILSON DATE: 10/22
 CHECKED BY: D. RUGGLES DATE: 10/22
 DESIGN ENGINEER OF RECORD: J. WILSON DATE: 10/22

BR-0070
 10/10/2022
 BR-0070-SMU-B2-160061.dgn
 USER: jwilson