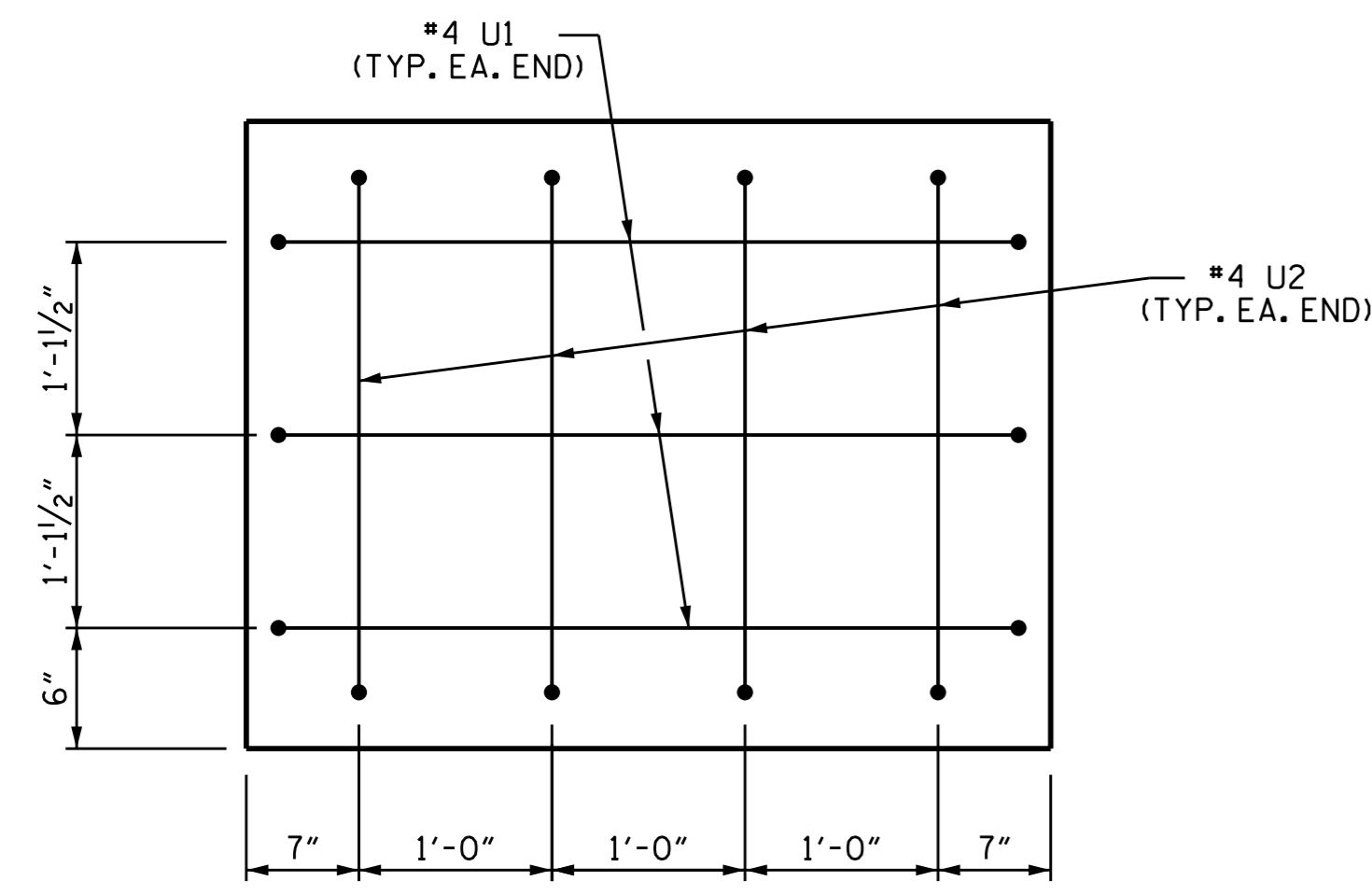
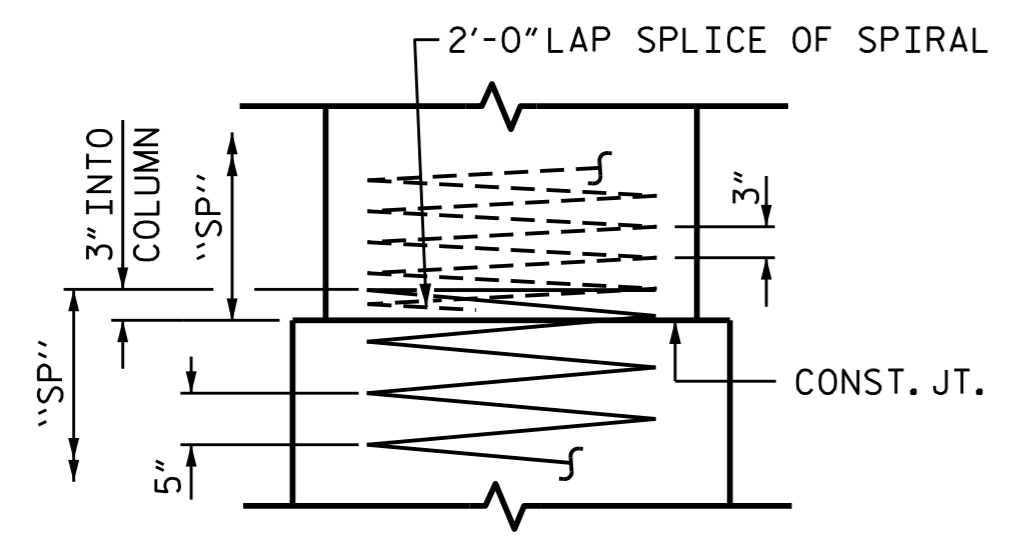


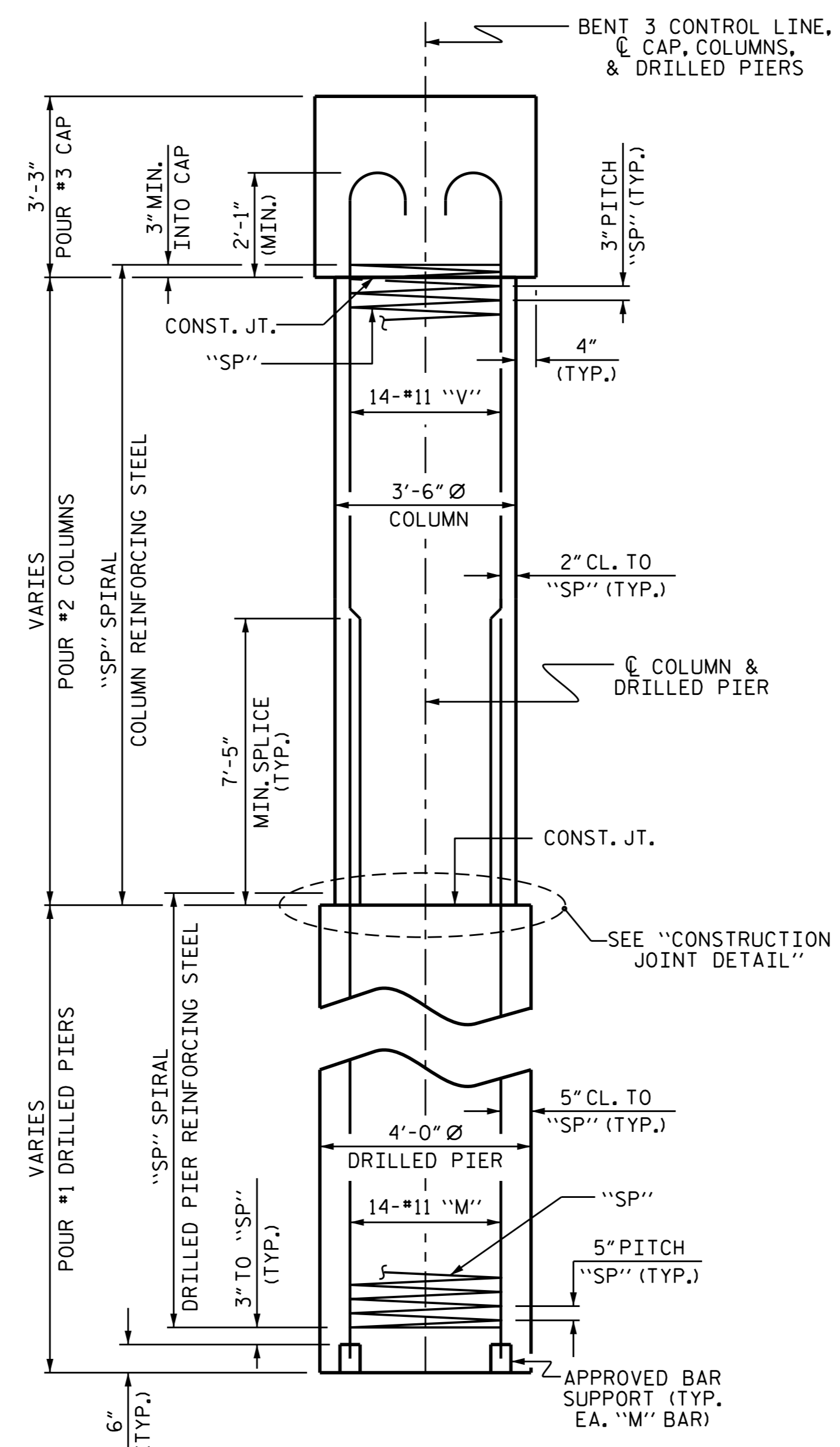
PLAN OF DRILLED PIERS & COLUMNS



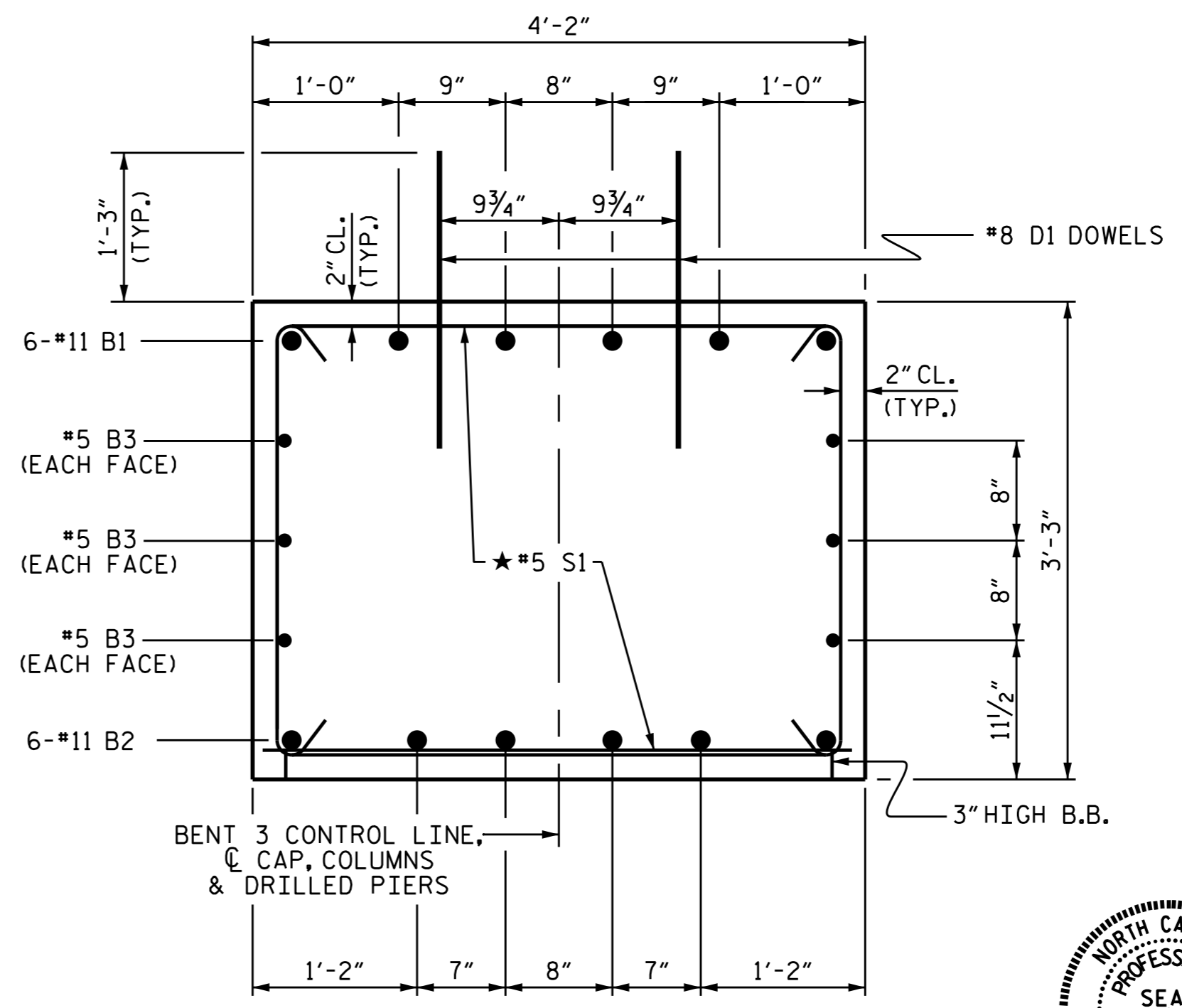
END VIEW
(TYP. EA. END)



CONSTRUCTION JOINT DETAIL

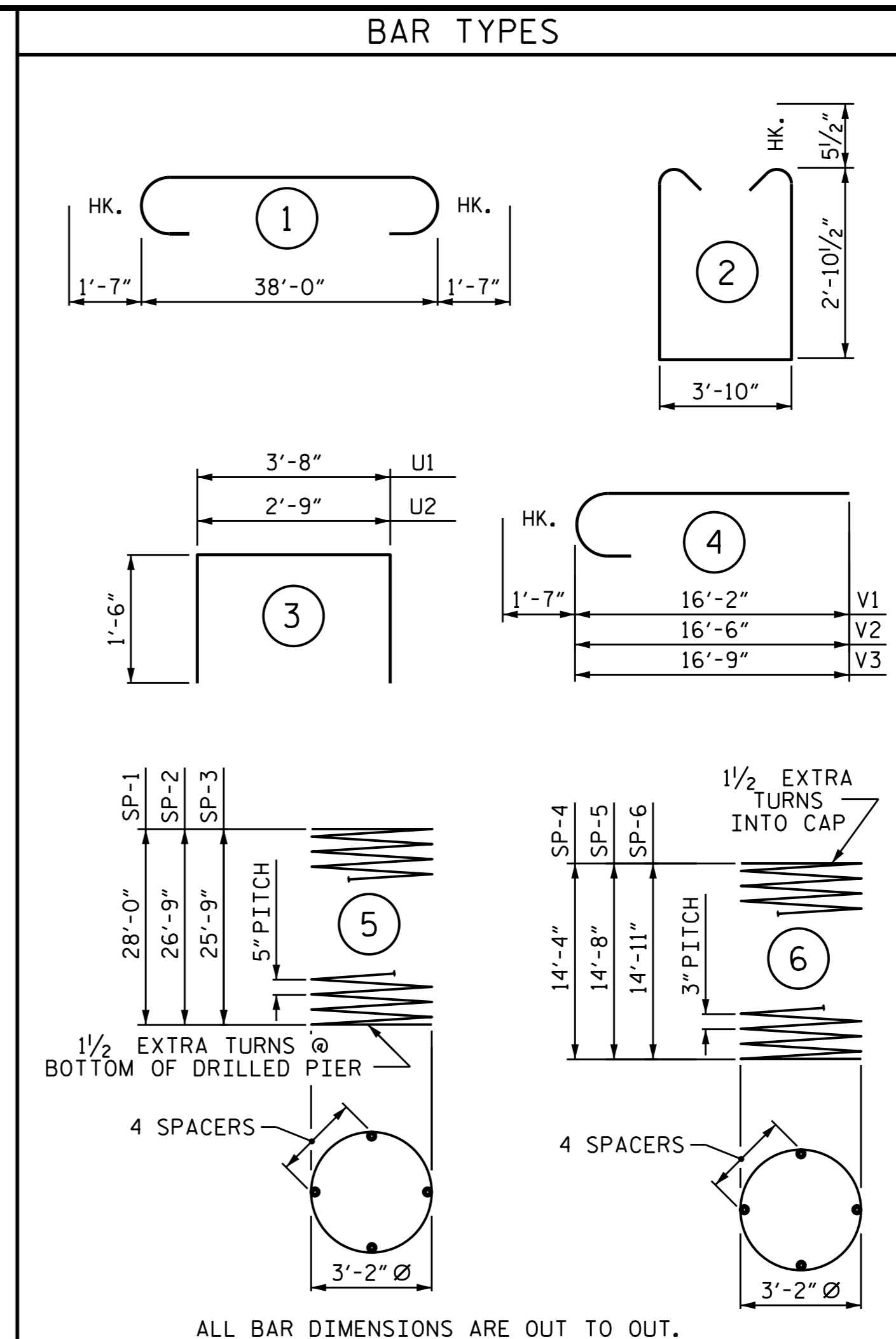


END ELEVATION



SECTION THROUGH CAP

* INVERT ALTERNATE STIRRUPS

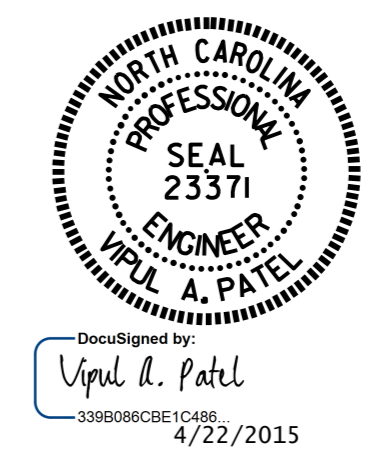


ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL					
BENT 3					
BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	6	#11	1	41'-2"	1312
B2	6	#11	STR	38'-2"	1217
B3	6	#5	STR	38'-2"	239
D1	48	#8	STR	2'-3"	288
M1	14	#11	STR	38'-8"	2876
M2	14	#11	STR	37'-5"	2783
M3	14	#11	STR	36'-5"	2709
S1	62	#5	2	10'-6"	679
U1	6	#4	3	6'-8"	27
U2	8	#4	3	5'-9"	31
V1	14	#11	4	17'-9"	1320
V2	14	#11	4	18'-1"	1345
V3	14	#11	4	18'-4"	1364
REINFORCING STEEL				LBS.	16,190
SP-1	1	*	5	673'-4"	702
SP-2	1	*	5	644'-0"	672
SP-3	1	*	5	621'-11"	649
SP-4	1	**	6	579'-6"	387
SP-5	1	**	6	591'-9"	395
SP-6	1	**	6	601'-7"	402
SPIRAL COLUMN REINFORCING STEEL				LBS.	3,207
* THE SP-1, SP-2, SP-3 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORMED BAR					
** THE SP-4, SP-5, SP-6 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)				C.Y.	15.3
POUR #3 (CAP)				C.Y.	19.3
TOTAL CLASS A CONCRETE				C.Y.	34.6
DRILLED PIER QUANTITIES					
DRILLED PIER CONCRETE					
POUR #1 (DRILLED PIERS)				C.Y.	38.2
4'-0" Ø DRILLED PIER IN SOIL				LIN. FT.	51.00
4'-0" Ø DRILLED PIER NOT IN SOIL				LIN. FT.	31.00
CSL TUBES				LIN. FT.	360.40

PROJECT NO. B-4972
CABARRUS COUNTY
 STATION: 22+55.00 -L-
 SHEET 2 OF 2

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
SUBSTRUCTURE BENT 3					
REVISIONS					SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
					TOTAL SHEETS 31



ASSEMBLED BY : N.D'AIUTO DATE : 11/7/14
 CHECKED BY : T.H.CARROLL DATE : 12/17/14
 DESIGN ENGINEER OF RECORD: H.A.LOCKLEAR DATE : 12/17/14