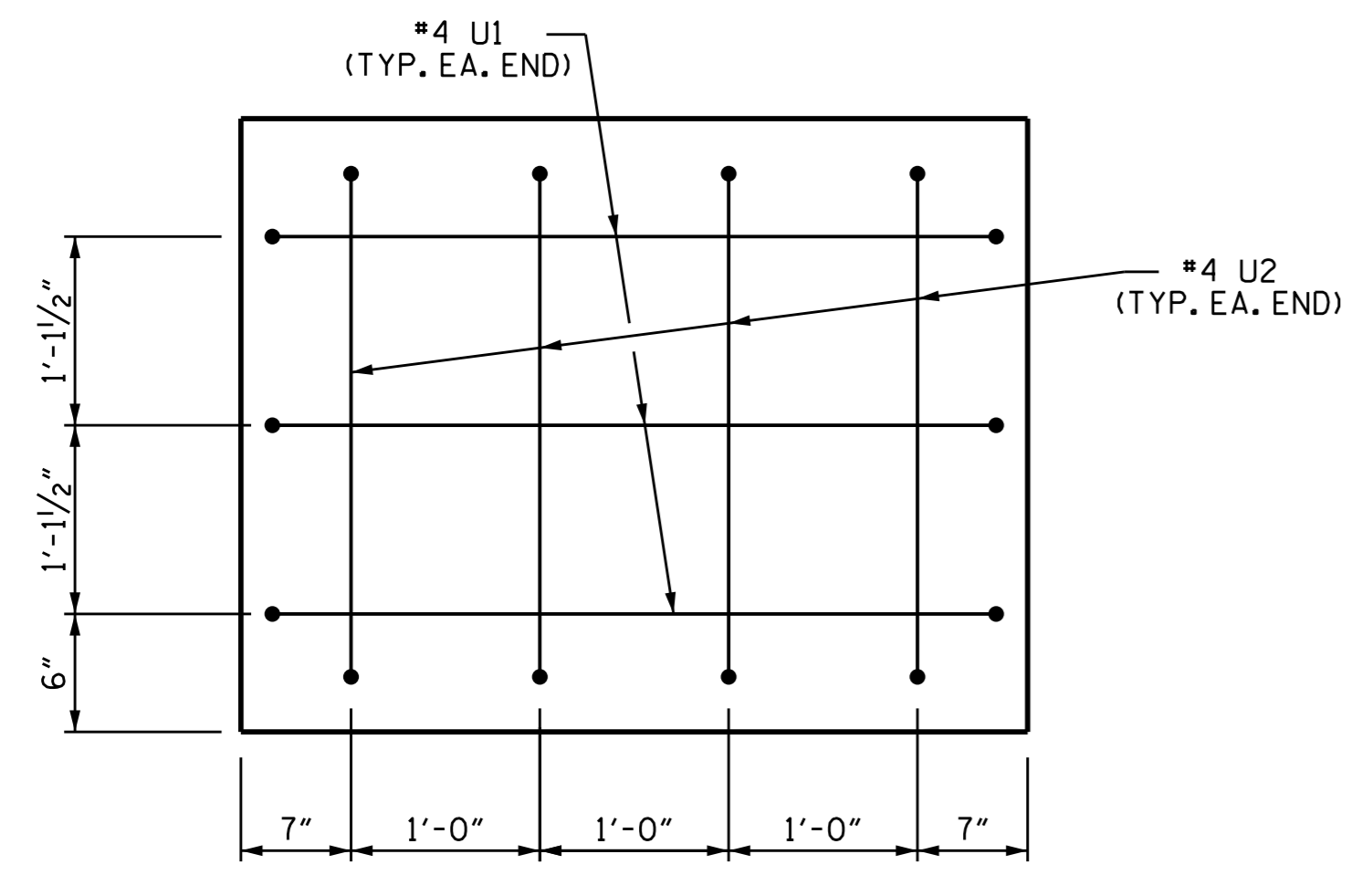
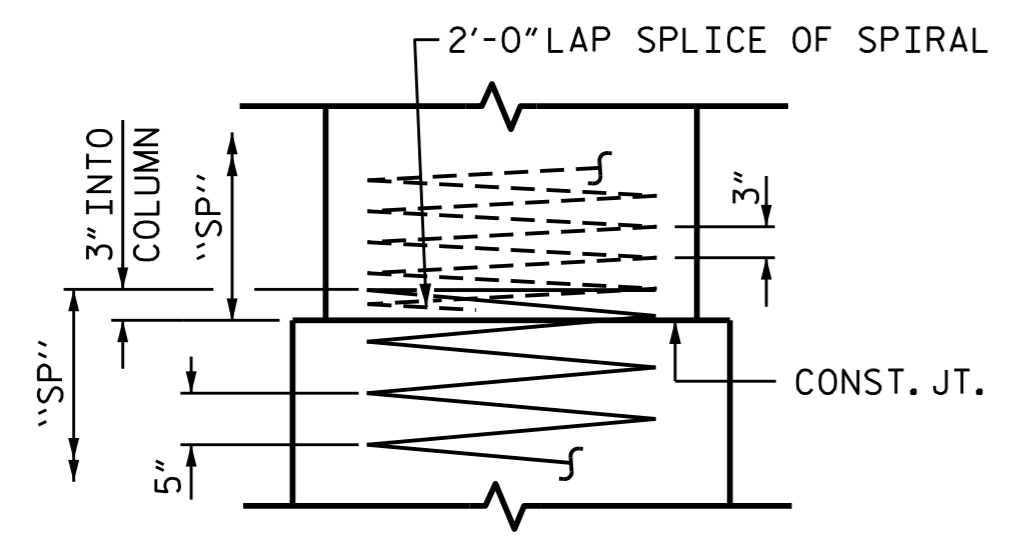


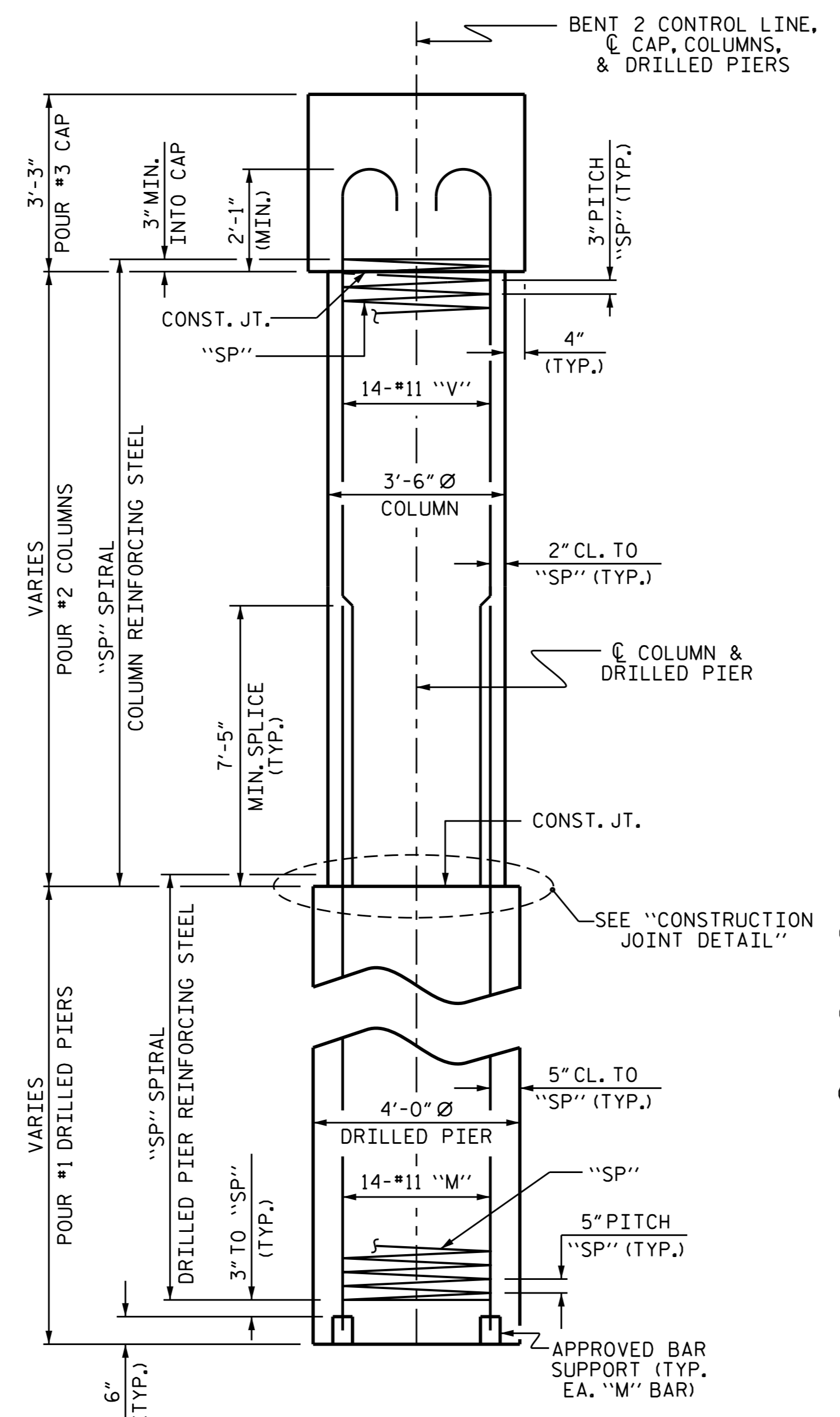
PLAN OF DRILLED PIERS & COLUMNS



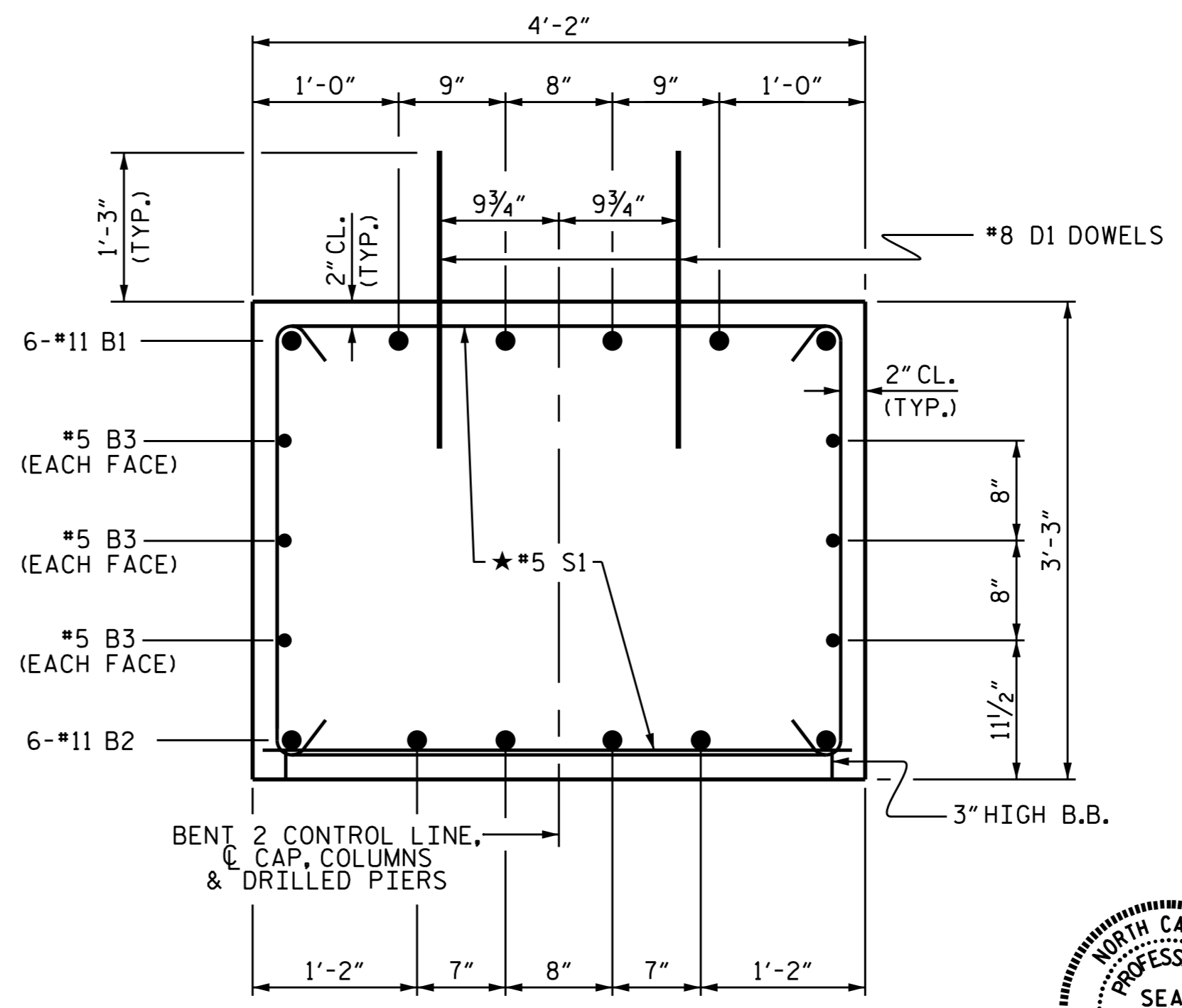
END VIEW
(TYP. EA. END)



CONSTRUCTION JOINT DETAIL

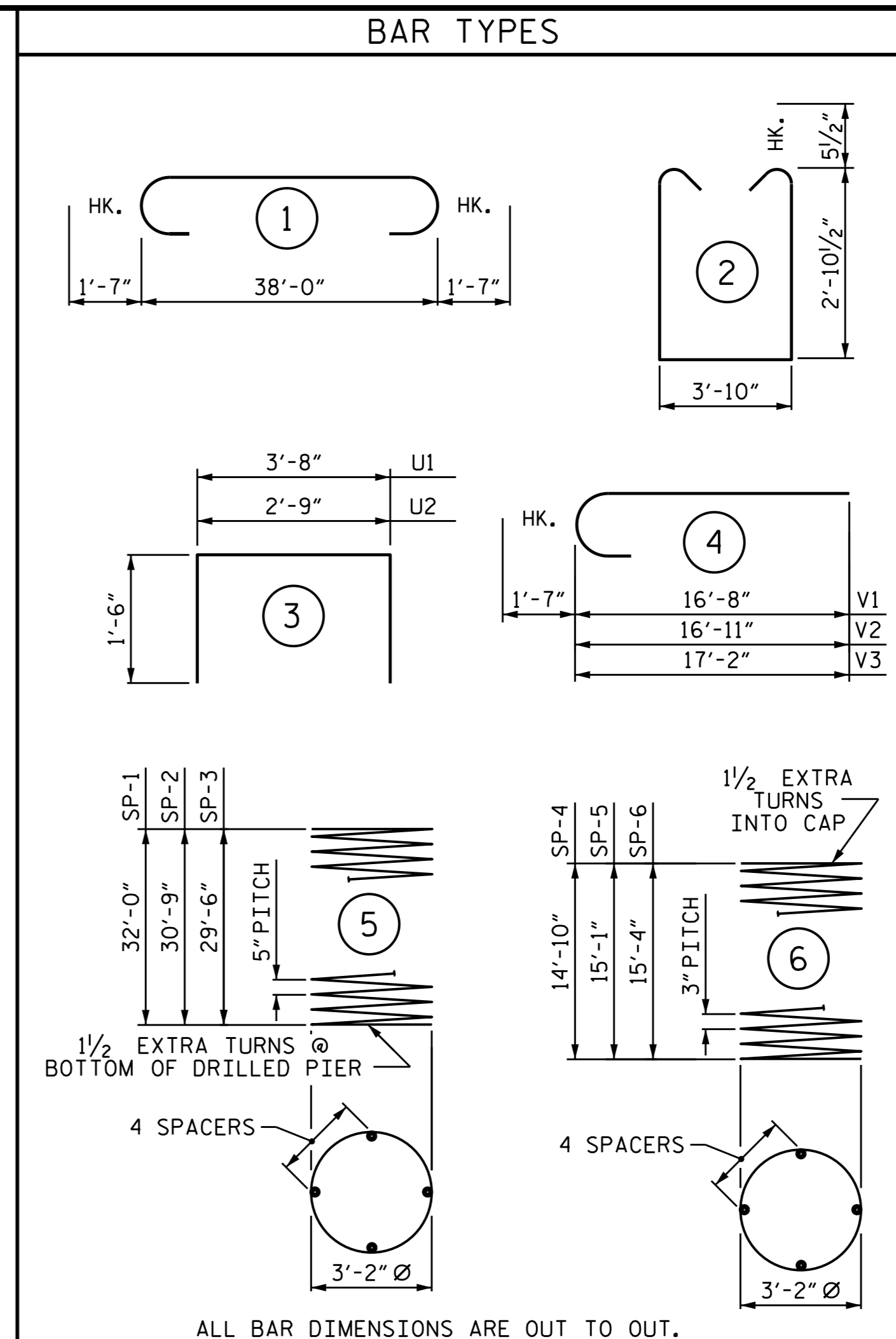


END ELEVATION



SECTION THROUGH CAP

* INVERT ALTERNATE STIRRUPS



ALL BAR DIMENSIONS ARE OUT TO OUT.

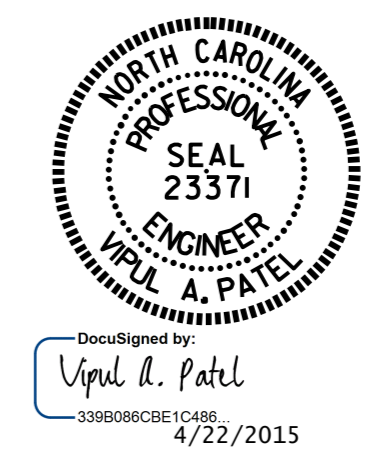
BILL OF MATERIAL					
BENT 2					
BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	6	#11	1	41'-2"	1312
B2	6	#11	STR	38'-2"	1217
B3	6	#5	STR	38'-2"	239
D1	48	#8	STR	2'-3"	288
M1	14	#11	STR	42'-8"	3174
M2	14	#11	STR	41'-5"	3081
M3	14	#11	STR	40'-2"	2988
S1	62	#5	2	10'-6"	679
U1	6	#4	3	6'-8"	27
U2	8	#4	3	5'-9"	31
V1	14	#11	4	18'-3"	1357
V2	14	#11	4	18'-6"	1376
V3	14	#11	4	18'-9"	1395
REINFORCING STEEL					LBS. 17,164
SP-1	1	*	5	768'-10"	802
SP-2	1	*	5	739'-6"	771
SP-3	1	*	5	710'-1"	741
SP-4	1	**	6	599'-1"	400
SP-5	1	**	6	608'-11"	407
SP-6	1	**	6	618'-9"	413
SPIRAL COLUMN REINFORCING STEEL					LBS. 3,534
* 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.	15.8
POUR #3 (CAP)	C.Y.	19.3
TOTAL CLASS A CONCRETE	C.Y.	35.1

DRILLED PIER QUANTITIES		
DRILLED PIER CONCRETE		
POUR #1 (DRILLED PIERS)	C.Y.	43.6
4'-0" Ø DRILLED PIER IN SOIL	LIN. FT.	69.75
4'-0" Ø DRILLED PIER NOT IN SOIL	LIN. FT.	24.00
PERMANENT STEEL CASING FOR 4'-0" Ø DRILLED PIER	LIN. FT.	57.60
CSL TUBES	LIN. FT.	407.40

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 2					
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