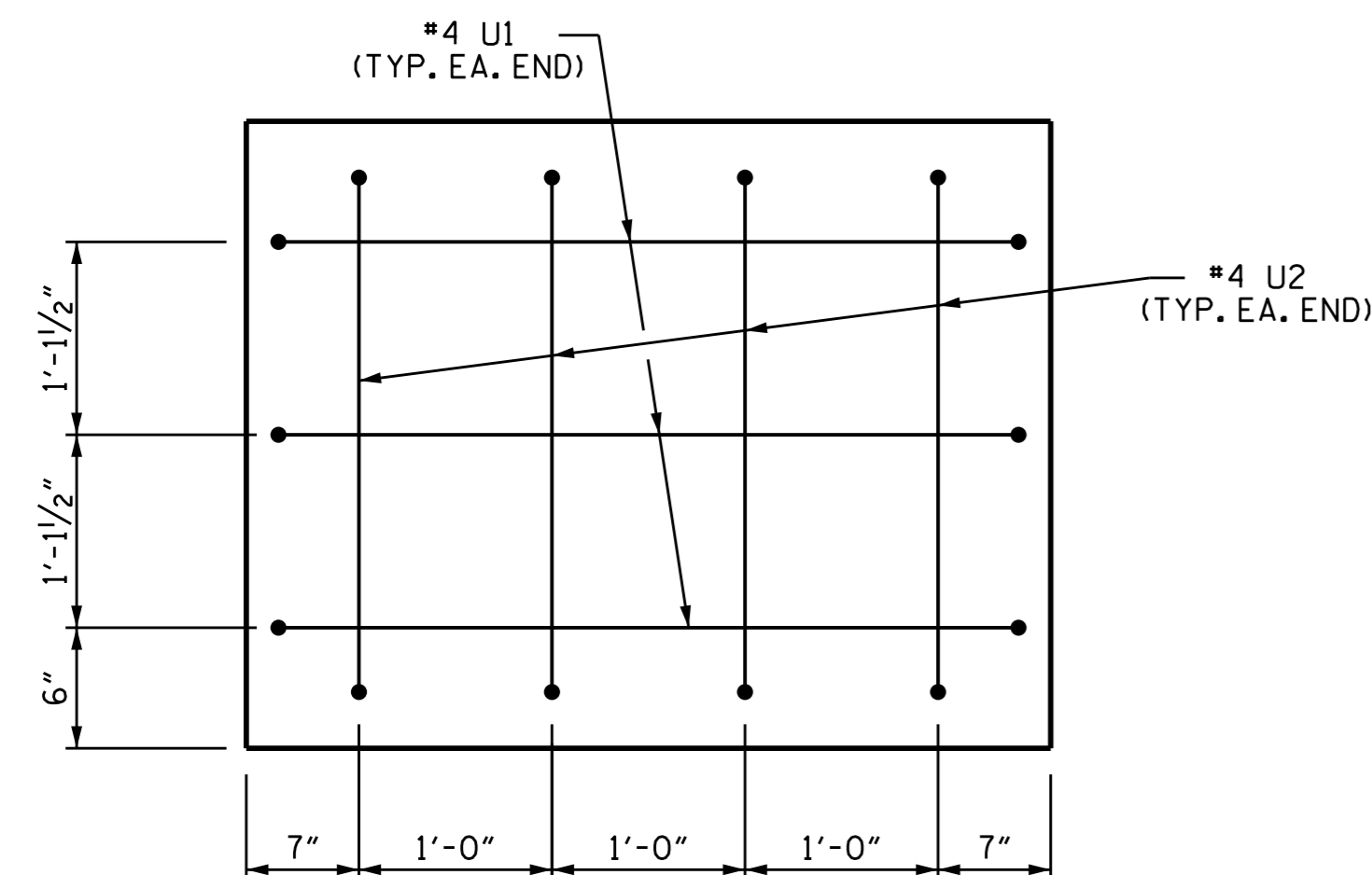
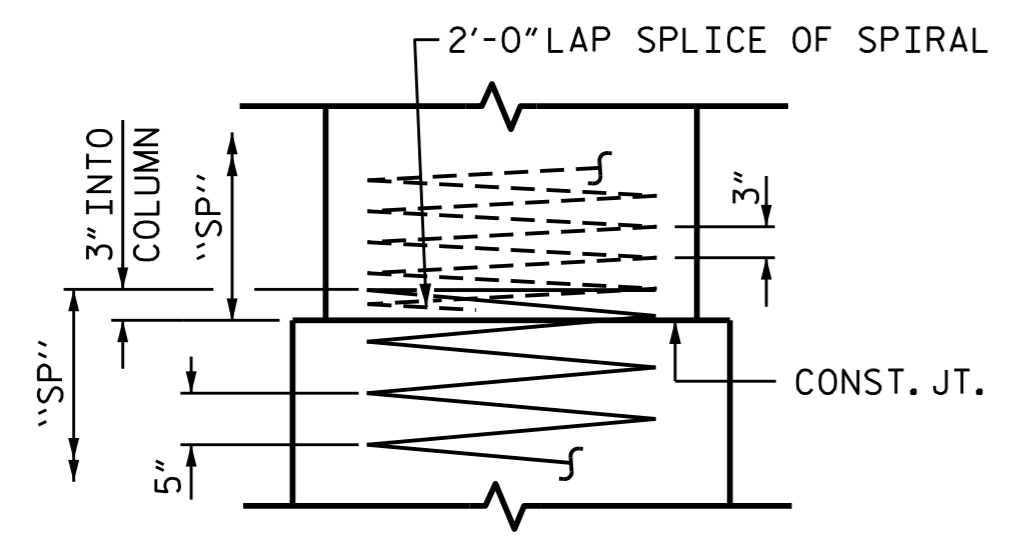


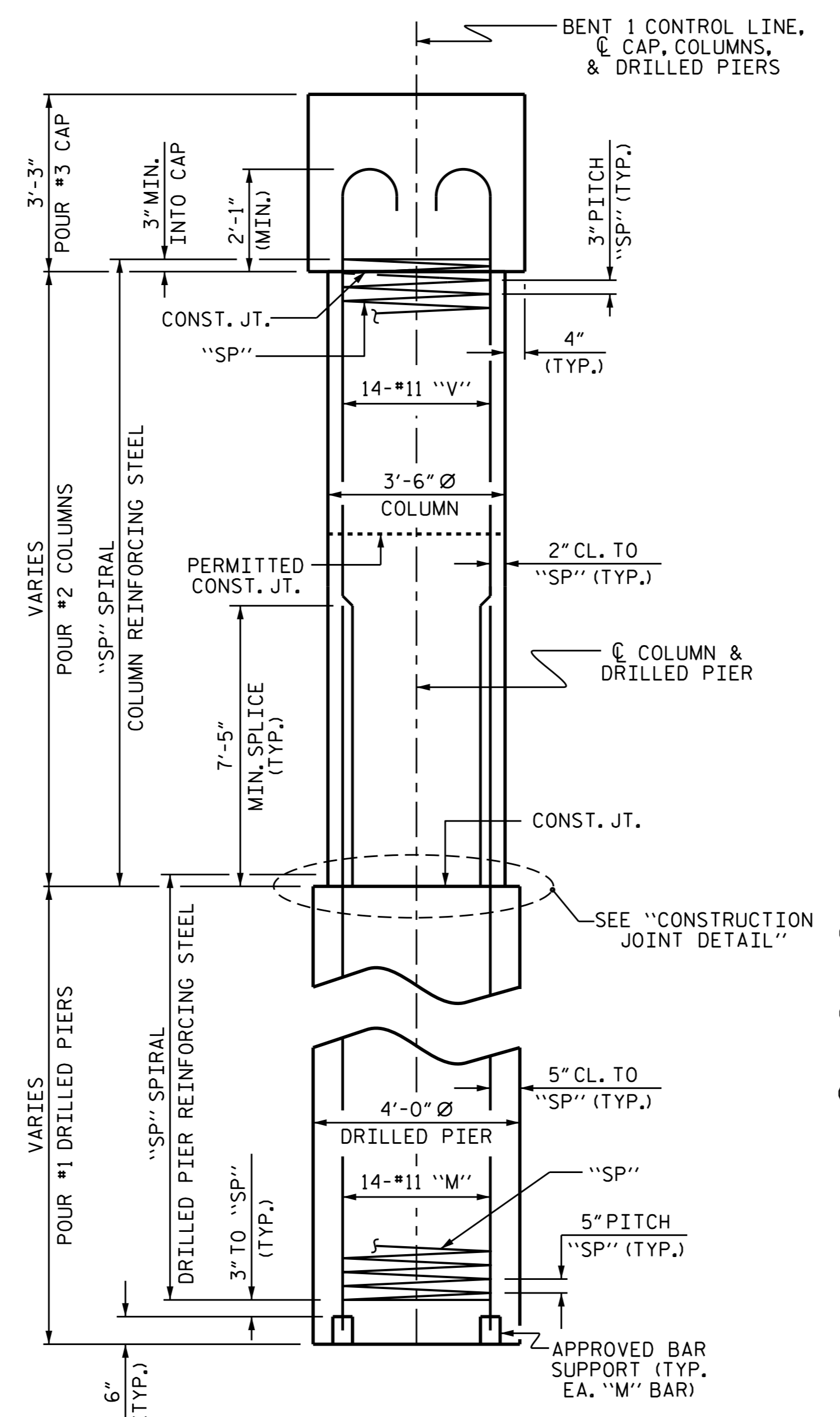
**PLAN OF DRILLED PIERS & COLUMNS**



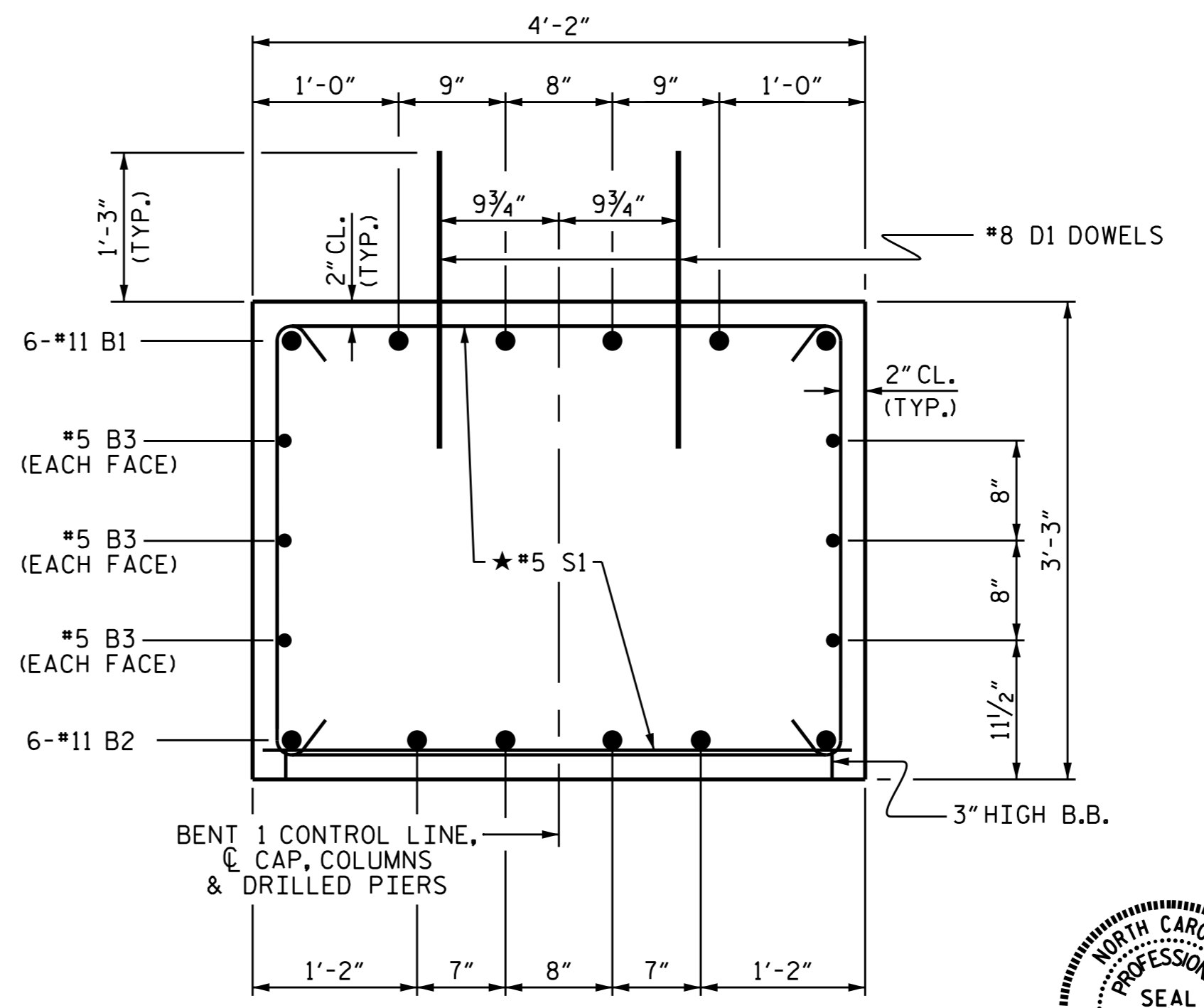
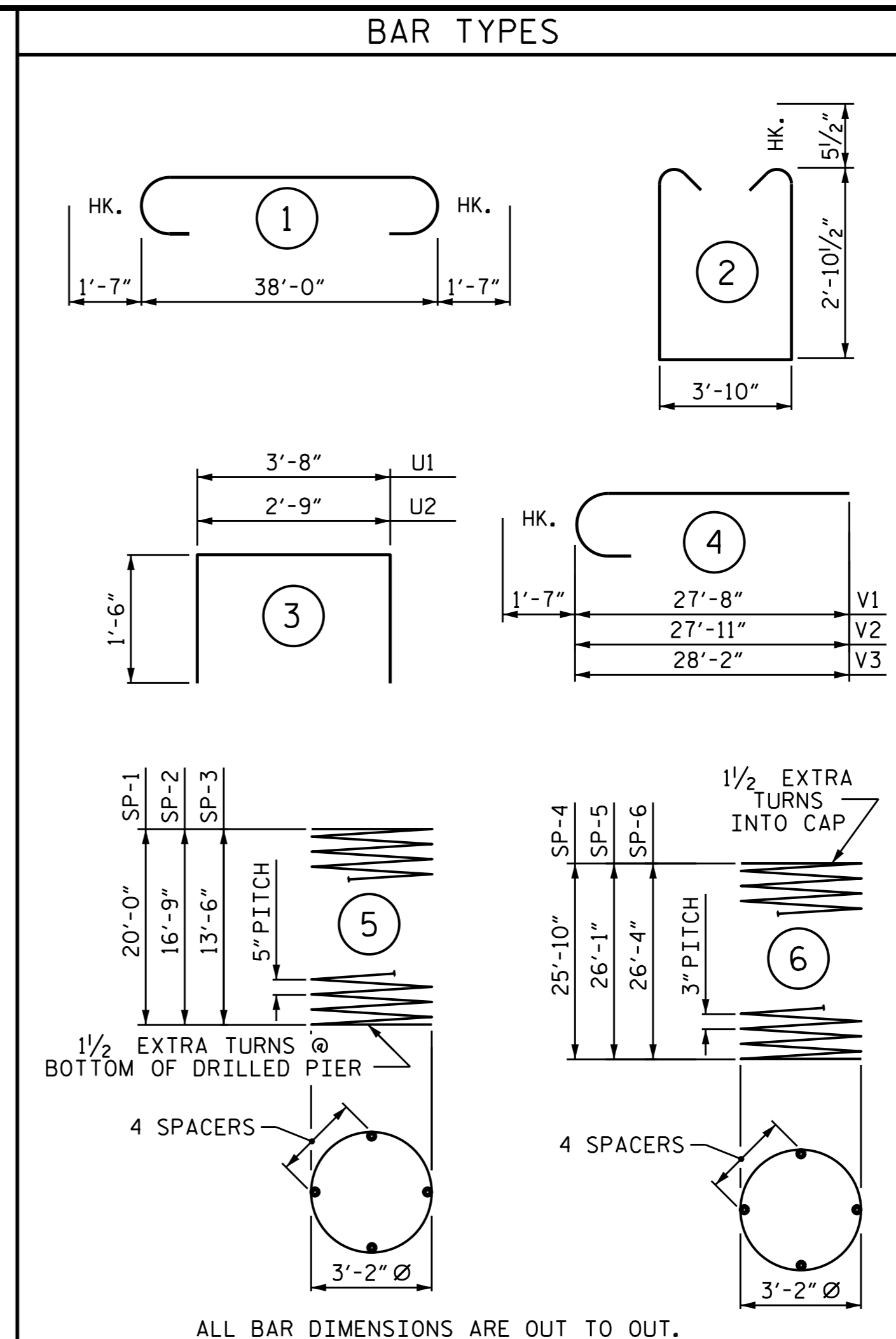
**END VIEW**  
(TYP. EA. END)



**CONSTRUCTION JOINT DETAIL**



**END ELEVATION**



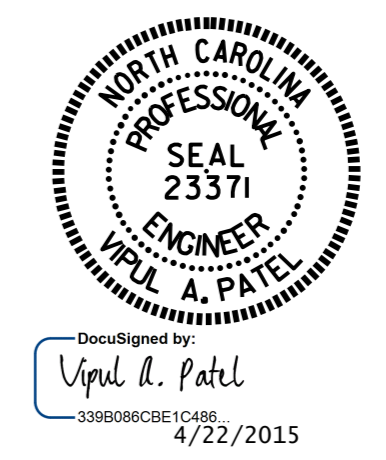
**SECTION THROUGH CAP**

\* INVERT ALTERNATE STIRRUPS

BILL OF MATERIAL					
BENT 1					
BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	
B1	#11	1	41'-2"	1312	
B2	#11	STR	38'-2"	1217	
B3	#5	STR	38'-2"	239	
D1	#8	STR	2'-3"	288	
M1	#11	STR	30'-8"	2281	
M2	#11	STR	27'-5"	2039	
M3	#11	STR	24'-2"	1798	
S1	#5	2	10'-6"	679	
U1	#4	3	6'-8"	27	
U2	#4	3	5'-9"	31	
V1	#11	4	29'-3"	2176	
V2	#11	4	29'-6"	2194	
V3	#11	4	29'-9"	2213	
REINFORCING STEEL			LBS.	16,494	
SP-1	#5	*	5	484'-10"	506
SP-2	#5	*	5	408'-11"	427
SP-3	#5	*	5	333'-0"	347
SP-4	#6	**	6	1031'-3"	689
SP-5	#6	**	6	1041'-0"	695
SP-6	#6	**	6	1050'-10"	702
SPIRAL COLUMN REINFORCING STEEL			LBS.	3,366	
* 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.	27.6	
POUR #3 (CAP)			C.Y.	19.3	
TOTAL CLASS A CONCRETE			C.Y.	46.9	
DRILLED PIER QUANTITIES					
DRILLED PIER CONCRETE					
POUR #1 (DRILLED PIERS)			C.Y.	24.1	
4'-0" DRILLED PIER IN SOIL			LIN. FT.	14.75	
4'-0" DRILLED PIER NOT IN SOIL			LIN. FT.	37.00	
PERMANENT STEEL CASING FOR 4'-0" DRILLED PIER			LIN. FT.	21.40	
CSL TUBES			LIN. FT.	225.00	

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 1					
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