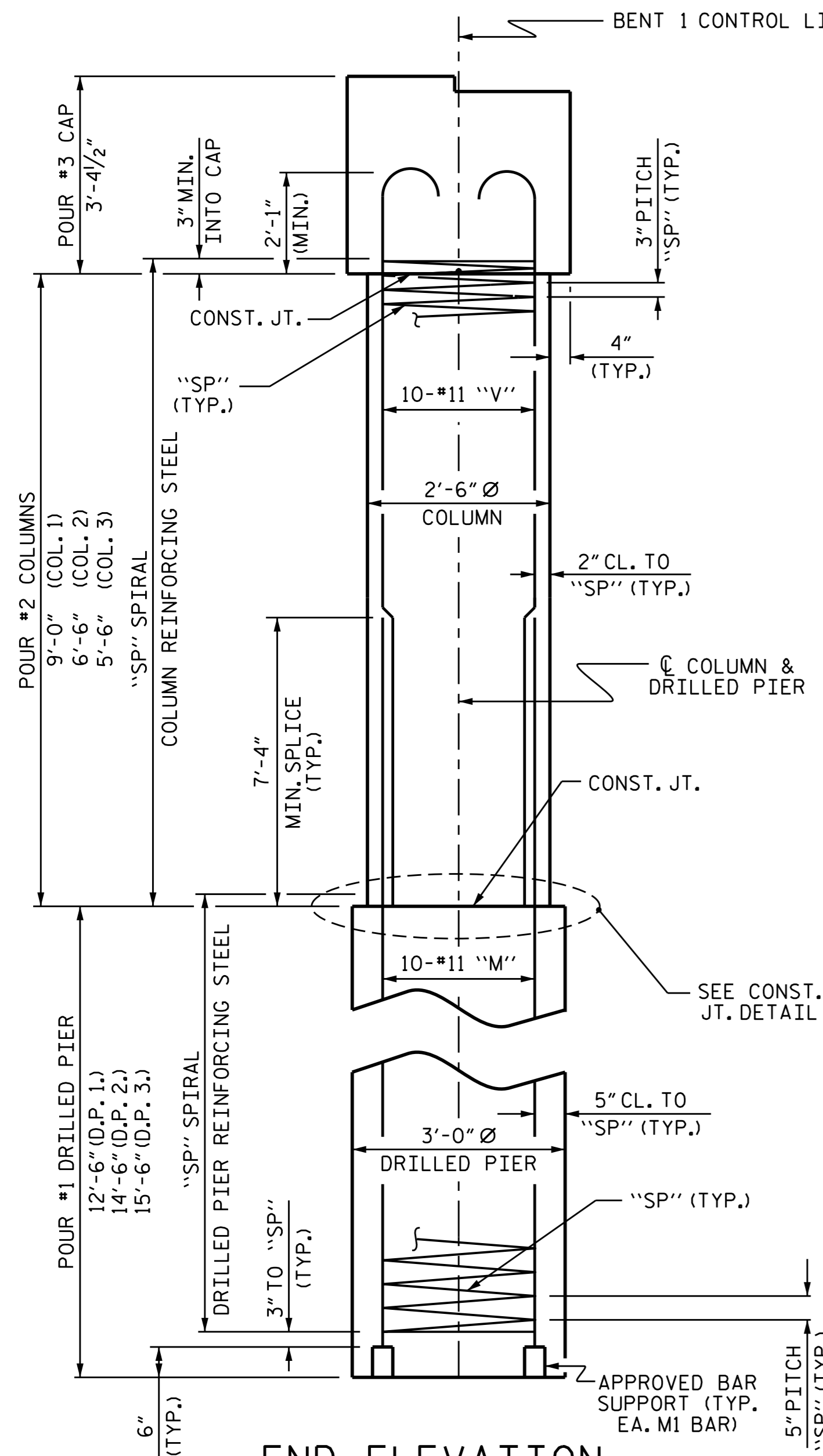
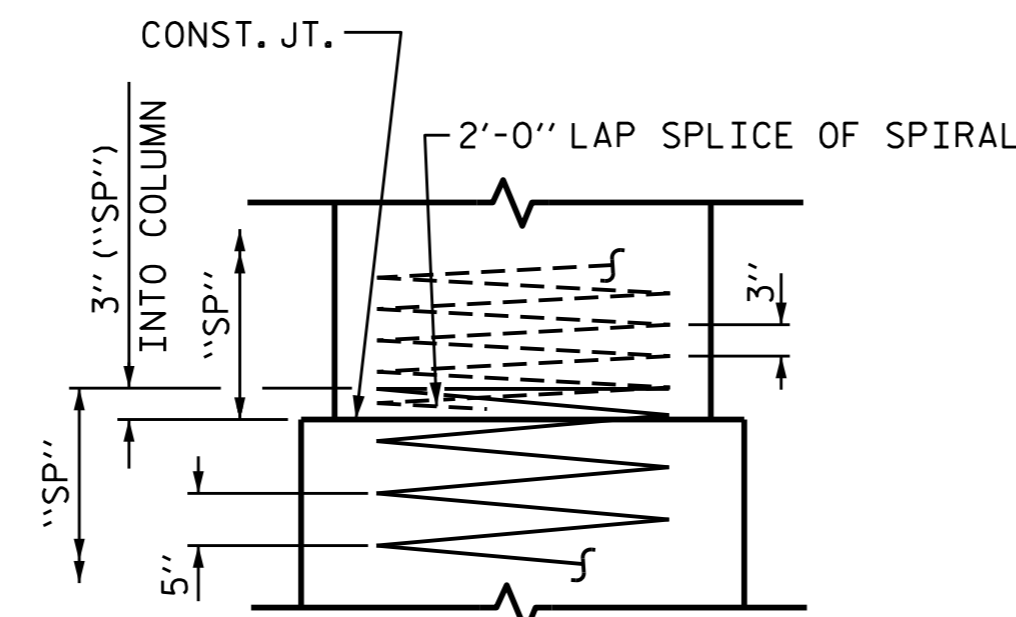


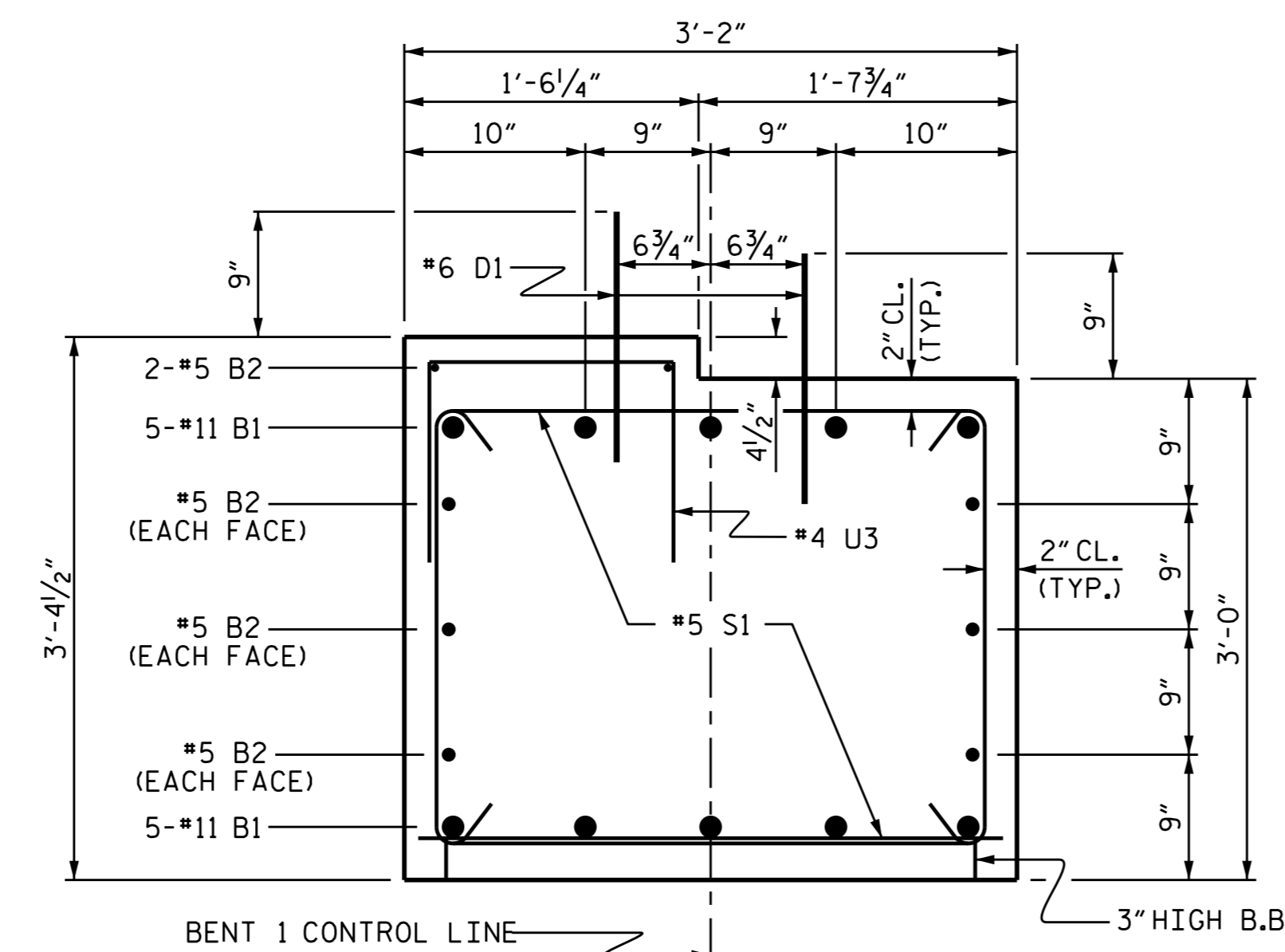
PLAN OF DRILLED PIERS & COLUMNS



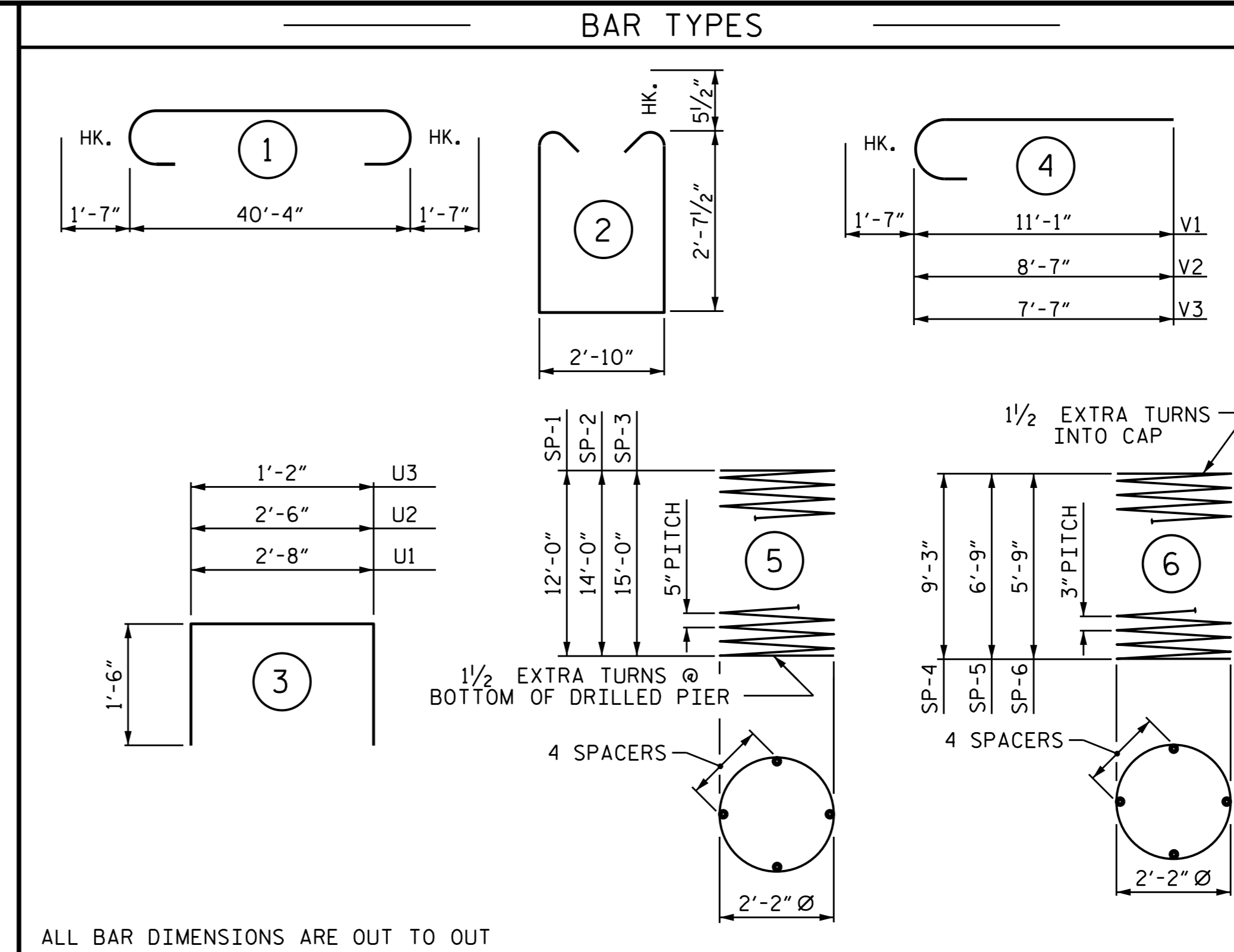
END ELEVATION



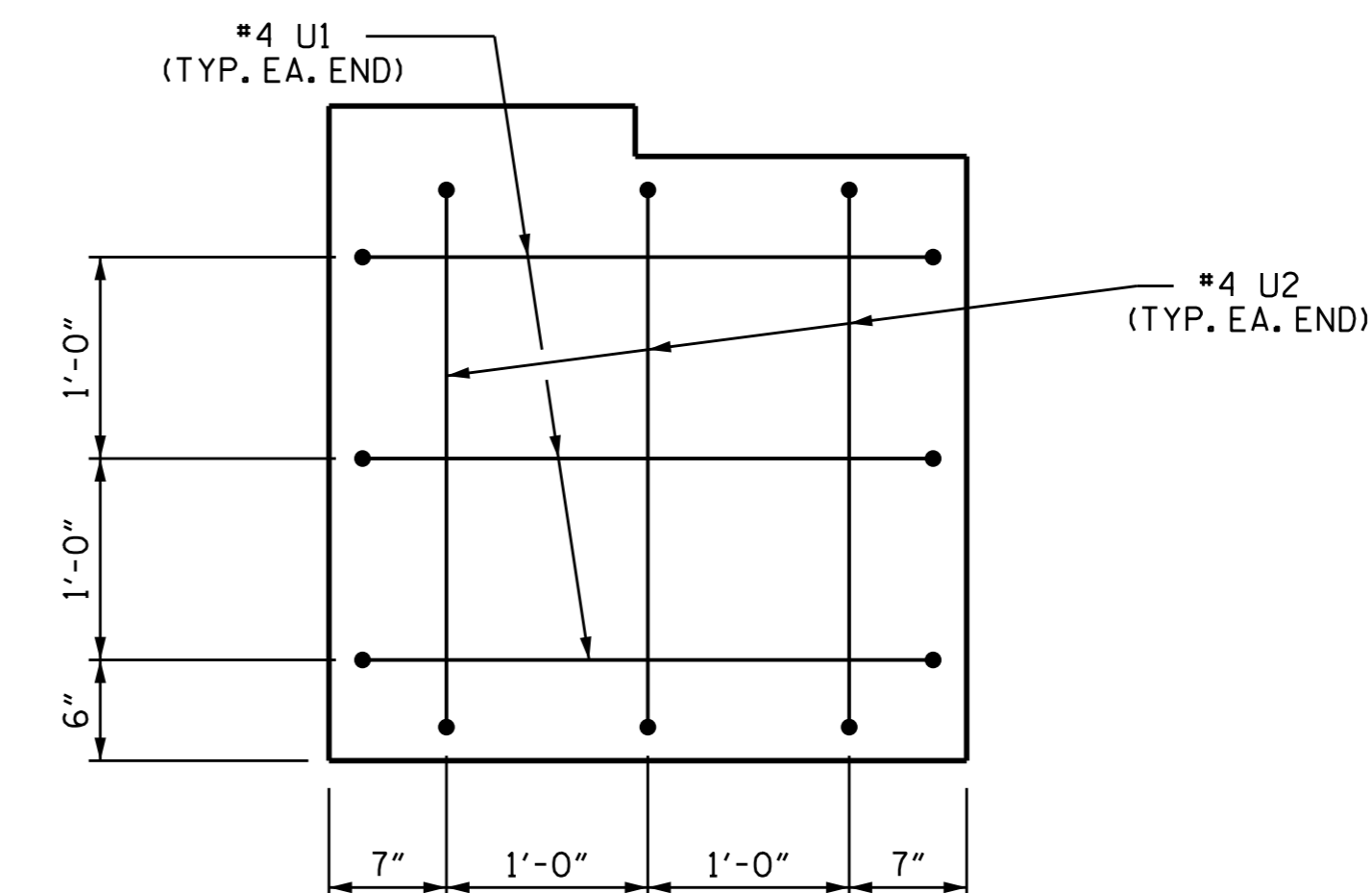
CONSTRUCTION JOINT DETAIL



SECTION THRU CAP



ALL BAR DIMENSIONS ARE OUT TO OUT



END OF CAP VIEW  
(TYPICAL BOTH ENDS)

BILL OF MATERIAL					
BENT 1					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	10	#11	1	43'-6"	2311
B2	8	#5	STR	40'-6"	338
D1	48	#6	STR	1'-6"	108
M1	10	#11	STR	22'-7"	1200
M2	10	#11	STR	24'-7"	1306
M3	10	#11	STR	25'-7"	1359
S1	72	#5	2	9'-0"	676
U1	6	#4	3	5'-8"	23
U2	6	#4	3	5'-6"	22
U3	27	#4	3	4'-2"	75
V1	10	#11	4	12'-8"	673
V2	10	#11	4	10'-2"	540
V3	10	#11	4	9'-2"	487
REINFORCING STEEL					9118 LBS.
SP-1	1	*	5	205'-10"	215
SP-2	1	*	5	239'-0"	249
SP-3	1	*	5	252'-4"	263
SP-4	1	**	6	261'-11"	175
SP-5	1	**	6	195'-3"	130
SP-6	1	**	6	168'-8"	113
SPIRAL COLUMN REINFORCING STEEL					1145 LBS.

\* THE SP-1,2&3 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORMED BAR  
 \*\* THE SP-4,5&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)	3.8 C.Y.
POUR #3 (CAP)	15.2 C.Y.
TOTAL CLASS A CONCRETE	19.0 C.Y.

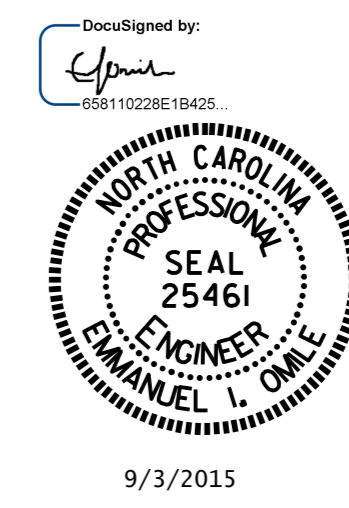
DRILLED PIERS:	
DRILLED PIER CONCRETE	
POUR #1 (DRILLED PIERS)	11.1 C.Y.
3'-0" Ø DRILLED PIER NOT IN SOIL	26 LIN. FT.
3'-0" Ø DRILLED PIER IN SOIL	16.5 LIN. FT.
PERMANENT STEEL CASING FOR 3'-0" Ø DRILLED PIER	18.5 LIN. FT.
CSL TUBES	188 LIN. FT.

PROJECT NO. B-4959  
 GUILFORD COUNTY  
 STATION: 14+70.50 -L-

SHEET 2 OF 2

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

SUBSTRUCTURE  
 BENT 1



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

ASSEMBLED BY: C. YOKELEY DATE: 2/10/14  
 CHECKED BY: T. KIRSCHBAUM DATE: 3/3/14  
 DRAWN BY: DGE 03/10  
 CHECKED BY: MKT 03/10