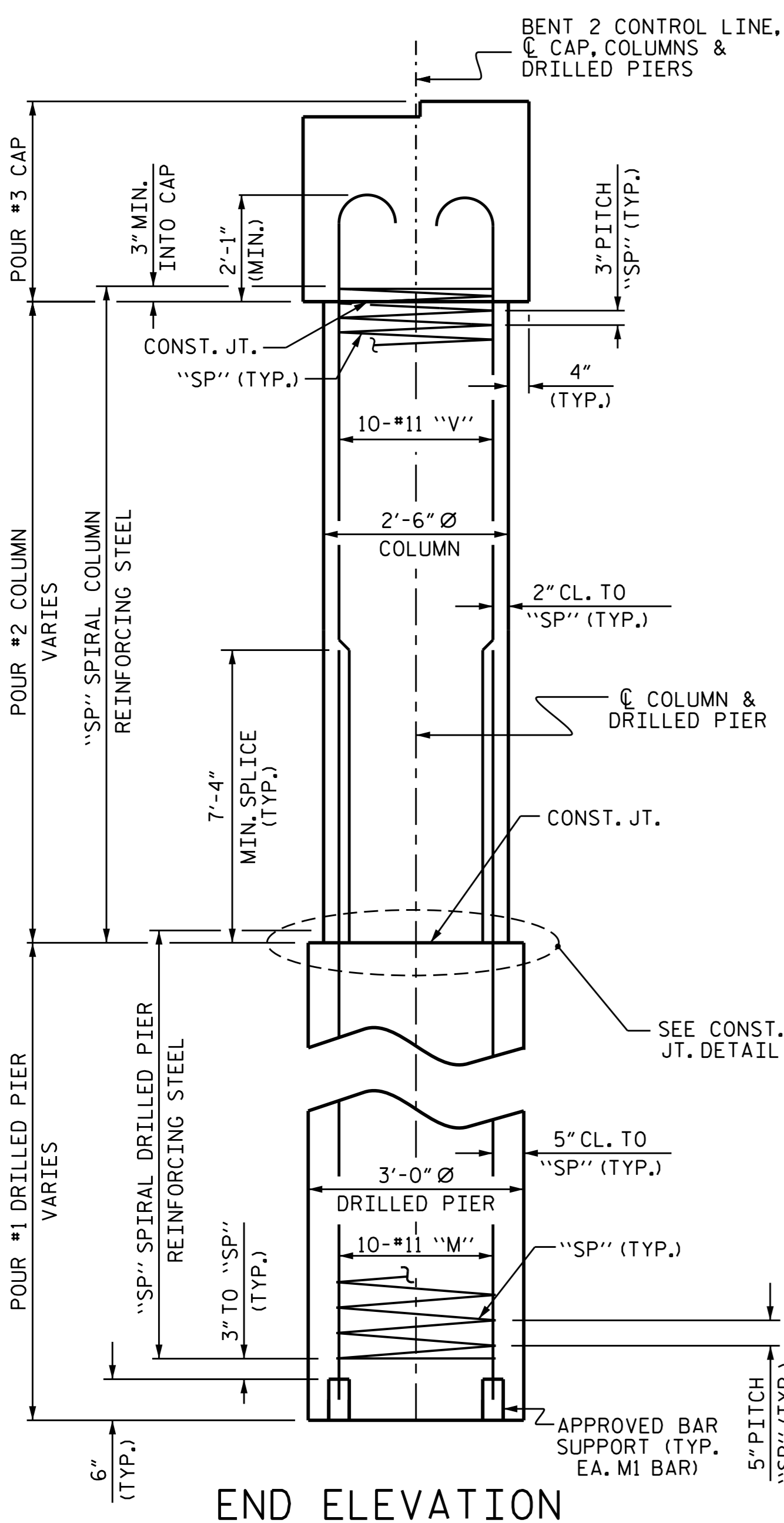
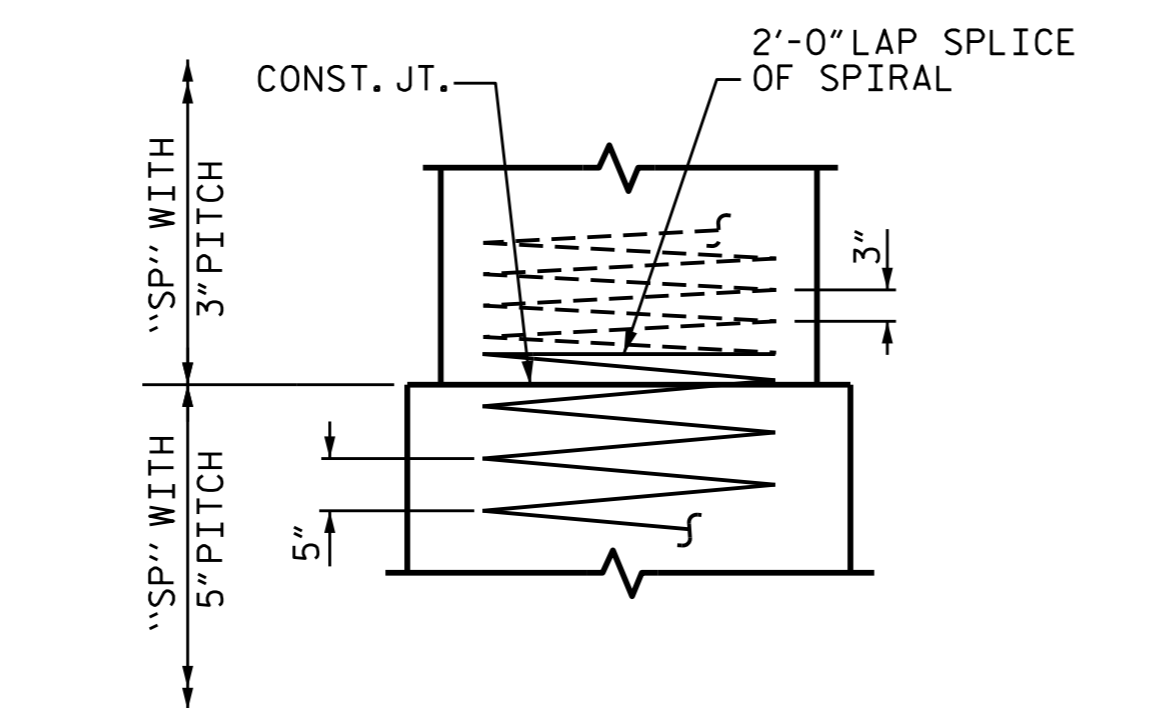


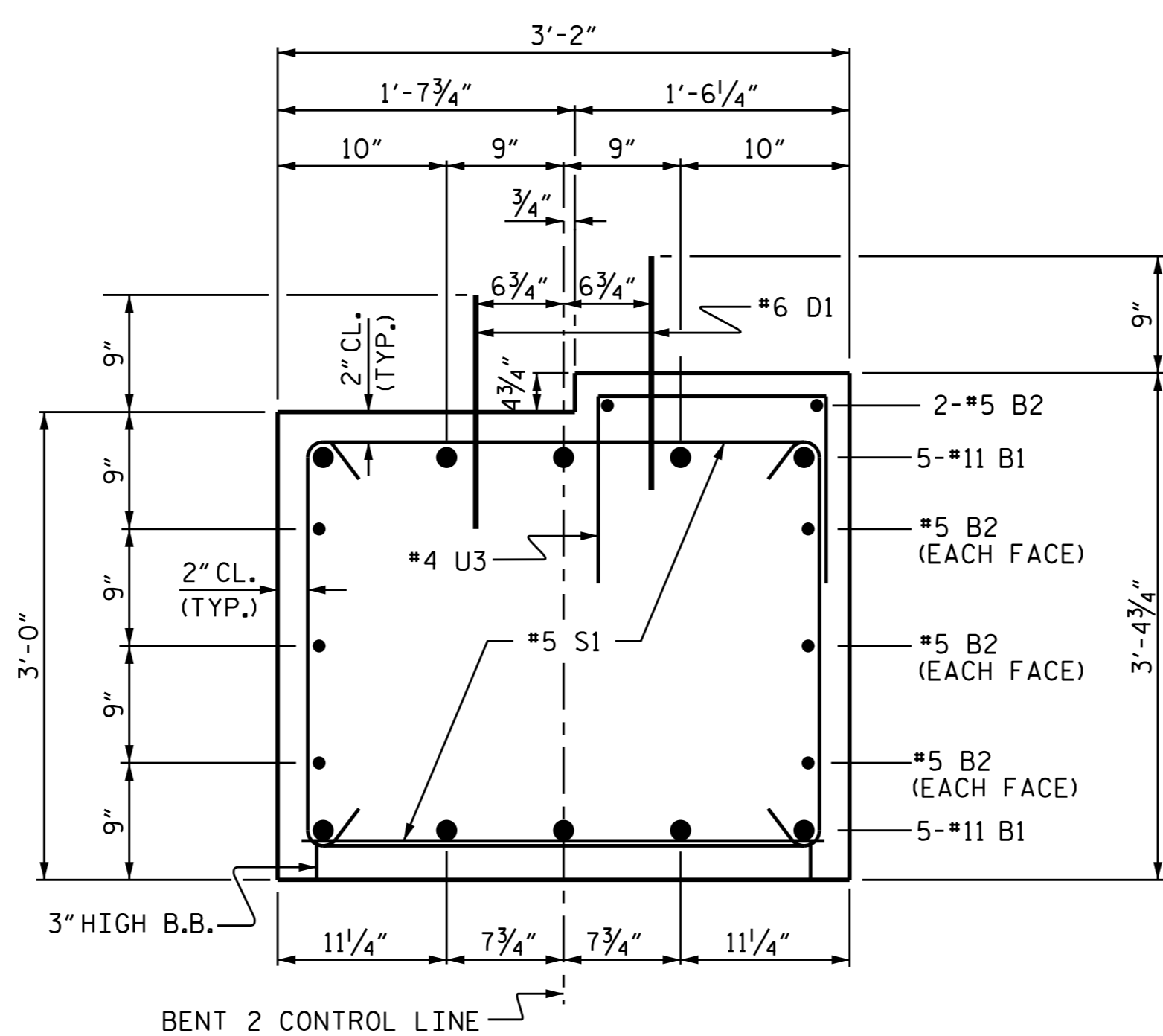
PLAN OF DRILLED PIERS & COLUMNS



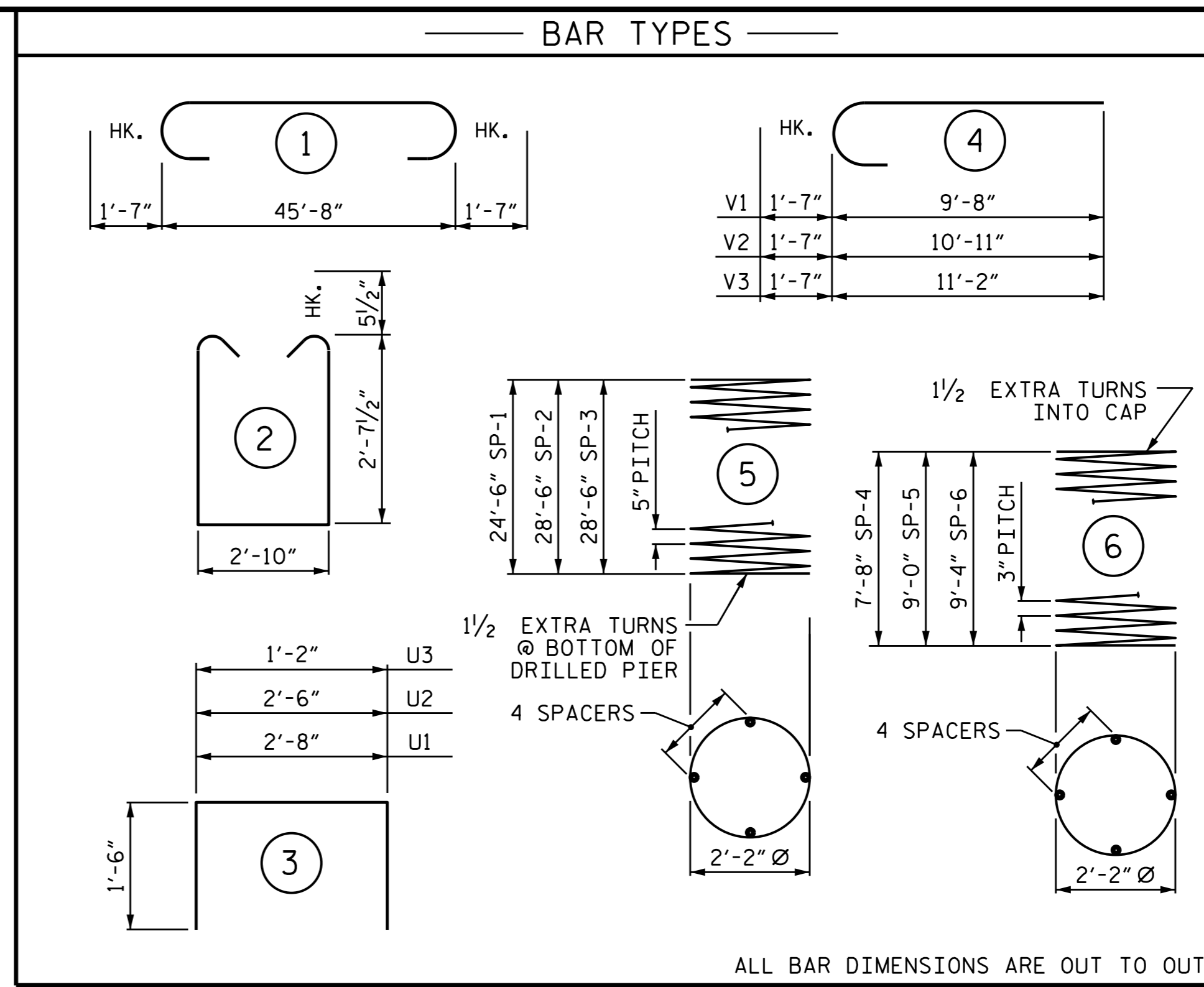
END ELEVATION



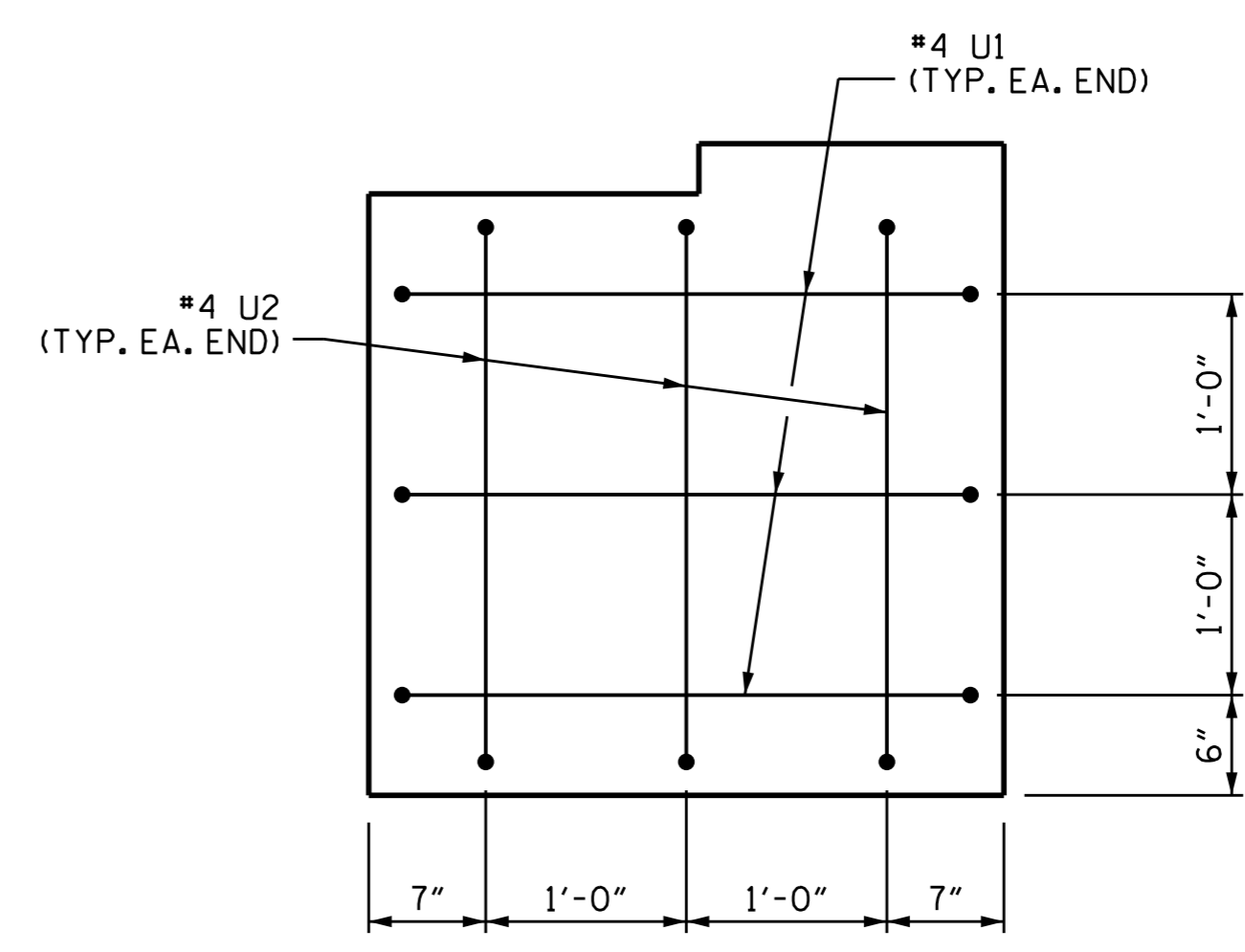
CONSTRUCTION JOINT DETAIL



SECTION THRU CAP



ALL BAR DIMENSIONS ARE OUT TO OUT



END OF CAP VIEW
TYPICAL BOTH ENDS

BILL OF MATERIAL					
BENT 2					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	10	#11	1	48'-10"	2595
B2	8	#5	STR	45'-10"	382
D1	48	#6	STR	1'-6"	108
M1	10	#11	STR	35'-2"	1868
M2	10	#11	STR	39'-2"	2081
M3	10	#11	STR	39'-2"	2081
S1	78	#5	2	9'-0"	732
U1	6	#4	3	5'-8"	23
U2	6	#4	3	5'-6"	22
U3	31	#4	3	4'-2"	86
V1	10	#11	4	11'-3"	598
V2	10	#11	4	12'-6"	664
V3	10	#11	4	12'-9"	677
REINFORCING STEEL					11,917 LBS.
SP-1	1	*	5	405'-0"	422
SP-2	1	*	5	464'-10"	485
SP-3	1	*	5	464'-10"	485
SP-4	1	**	6	221'-11"	152
SP-5	1	**	6	255'-3"	175
SP-6	1	**	6	261'-11"	179
SPIRAL COLUMN REINFORCING STEEL					1,898 LBS.
* THE SP-1 THRU SP-3 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORMED BAR					
** THE SP-4 THRU 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)					4.6 C.Y.
POUR #3 (CAP)					17.3 C.Y.
TOTAL CLASS A CONCRETE					21.9 C.Y.
DRILLED PIERS:					
DRILLED PIER CONCRETE					
POUR #1 (DRILLED PIERS)					21.7 C.Y.
3'-0" Ø DRILLED PIER NOT IN SOIL					28.0 LIN. FT.
3'-0" Ø DRILLED PIER IN SOIL					55.0 LIN. FT.
PERMANENT STEEL CASING FOR 3'-0" Ø DRILLED PIER					33.3 LIN. FT.
CSL TUBES					350.0 LIN. FT.

PROJECT NO. B-4461
 CHATHAM COUNTY
 STATION: 19+12.00 -L-

SHEET 2 OF 2

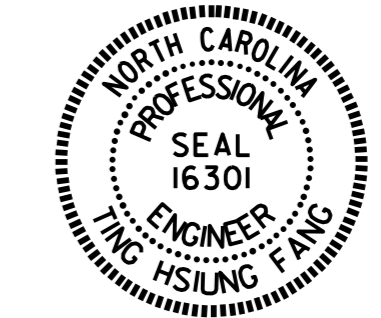
STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUBSTRUCTURE

BENT 2

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

SHEET NO. S-21
 TOTAL SHEETS 23



DocuSigned by:
 Ting Fang
 4/11/2016
 DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ASSEMBLED BY : S. WANCE DATE : 7/09/13
 CHECKED BY : W. F. PARKER DATE : 09/15
 DRAWN BY : DGE 3/10
 CHECKED BY : MKT 3/10
 REV. 11/14 MAA/TMG