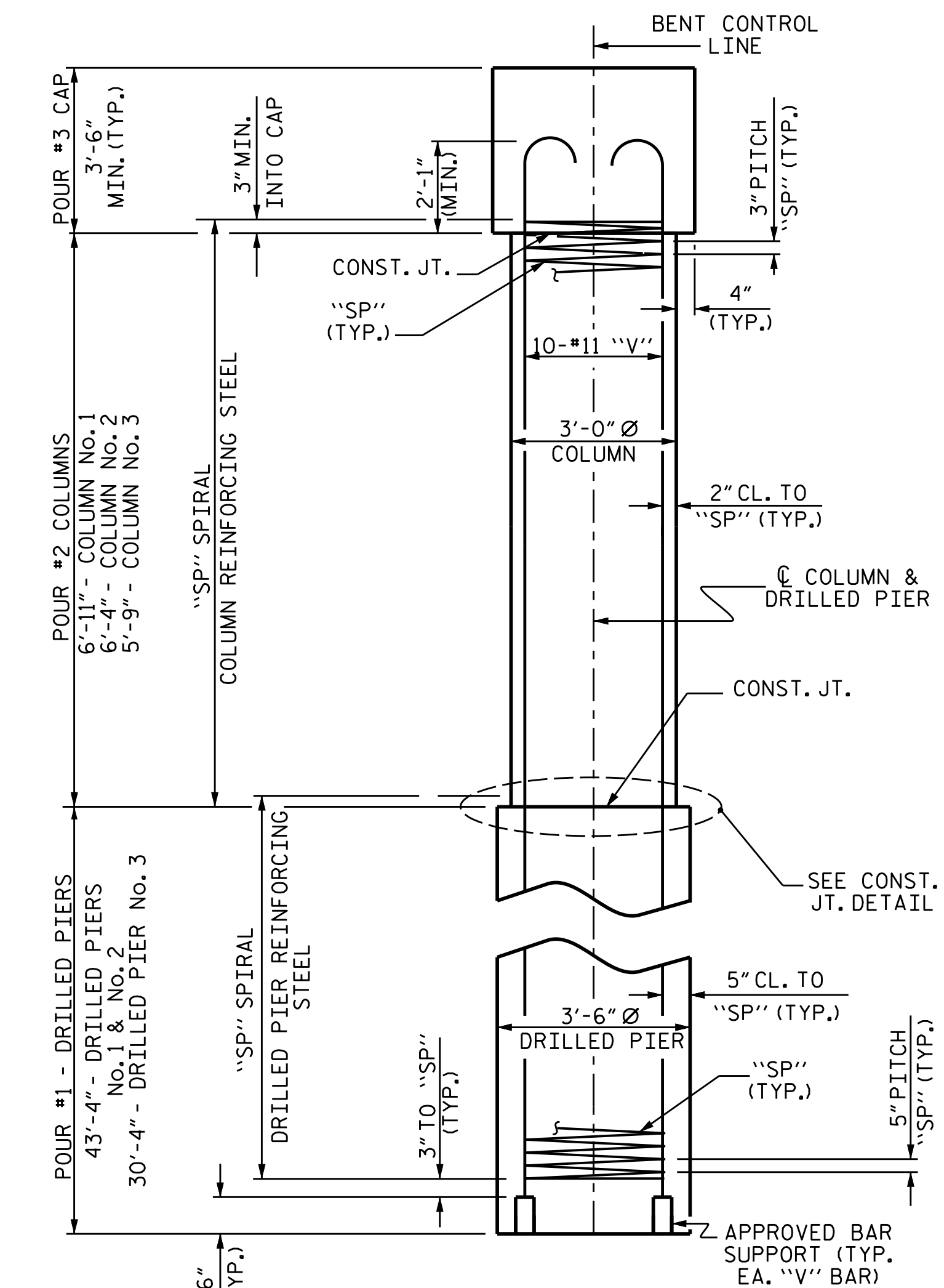
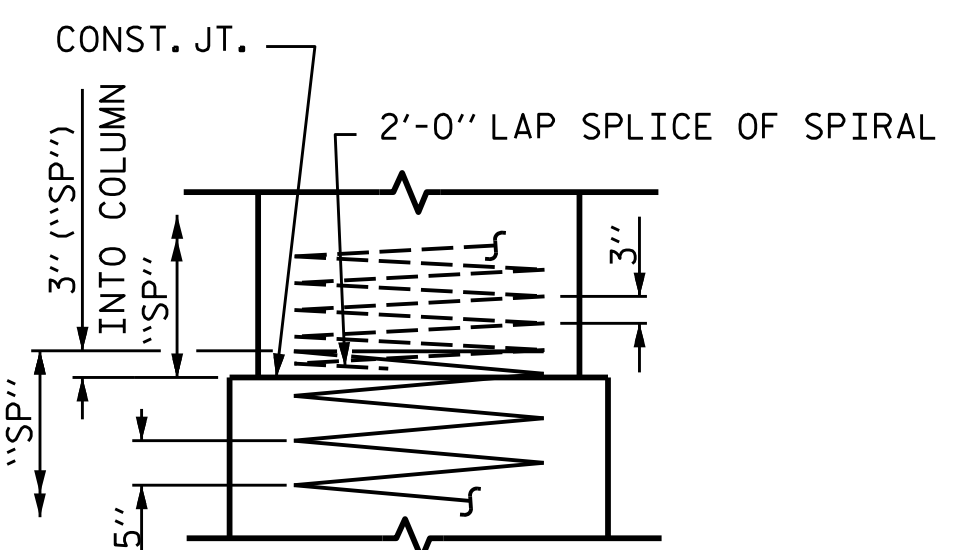


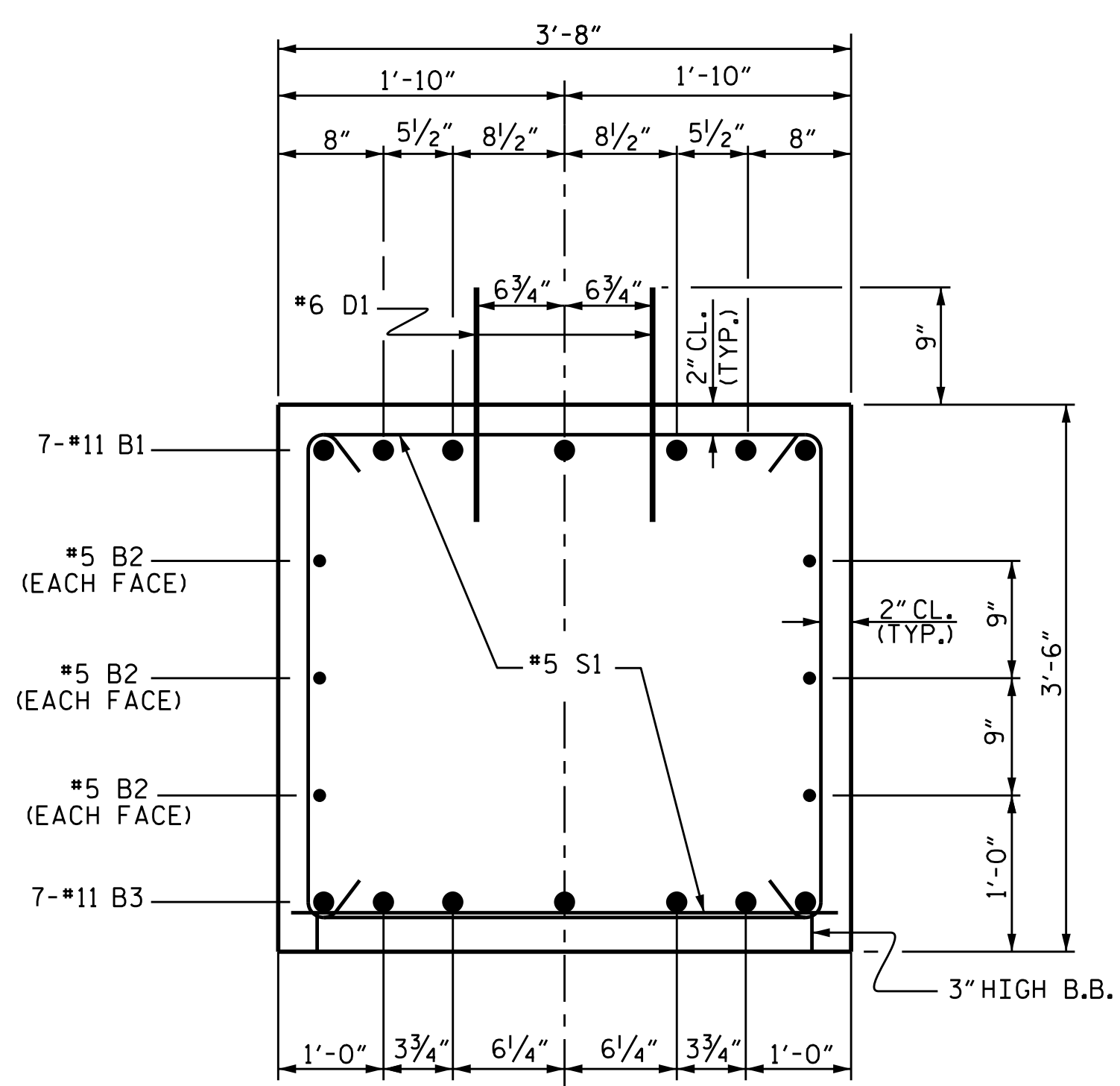
PLAN OF DRILLED PIERS & COLUMNS



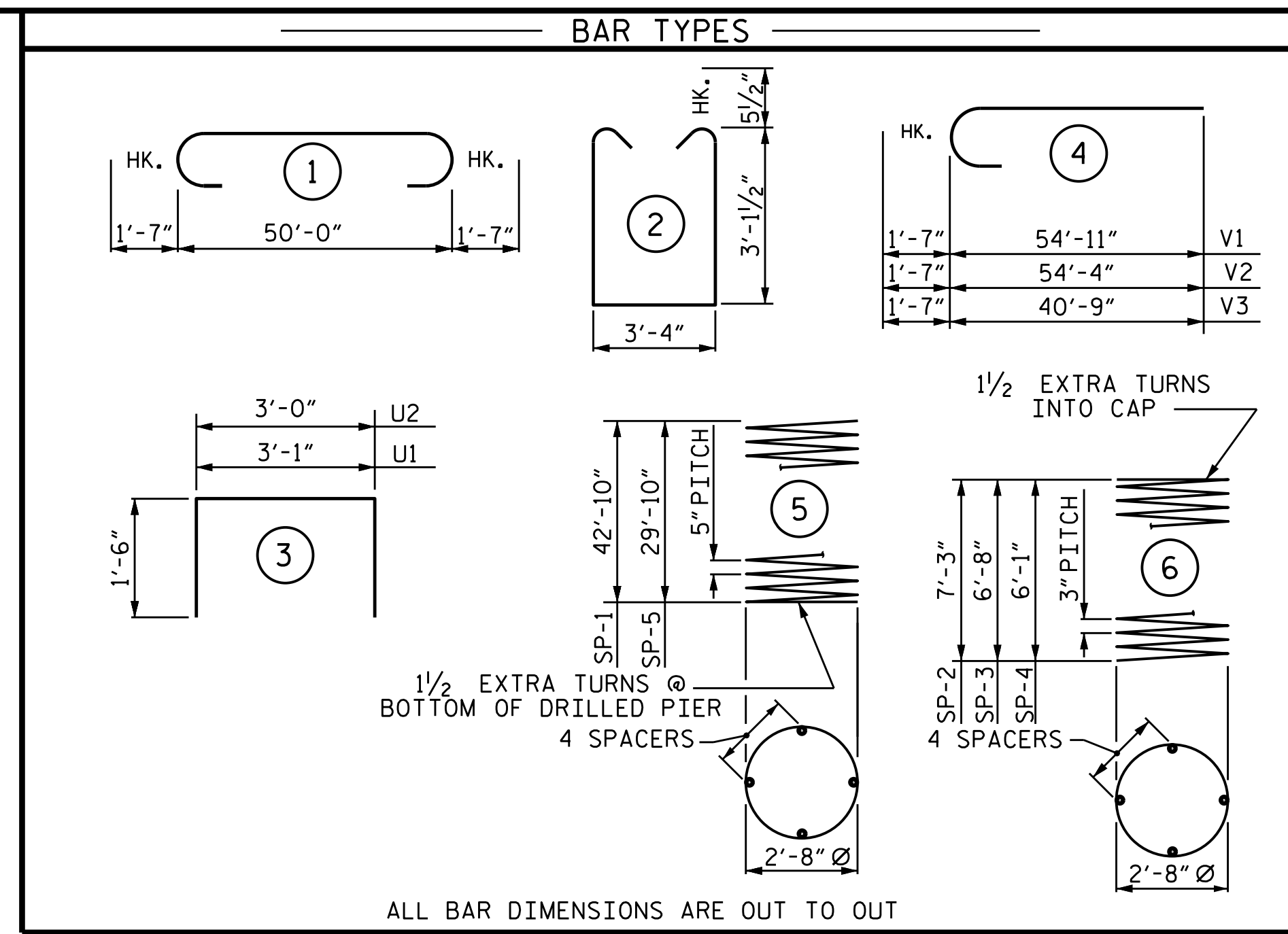
END ELEVATION



CONSTRUCTION JOINT DETAIL

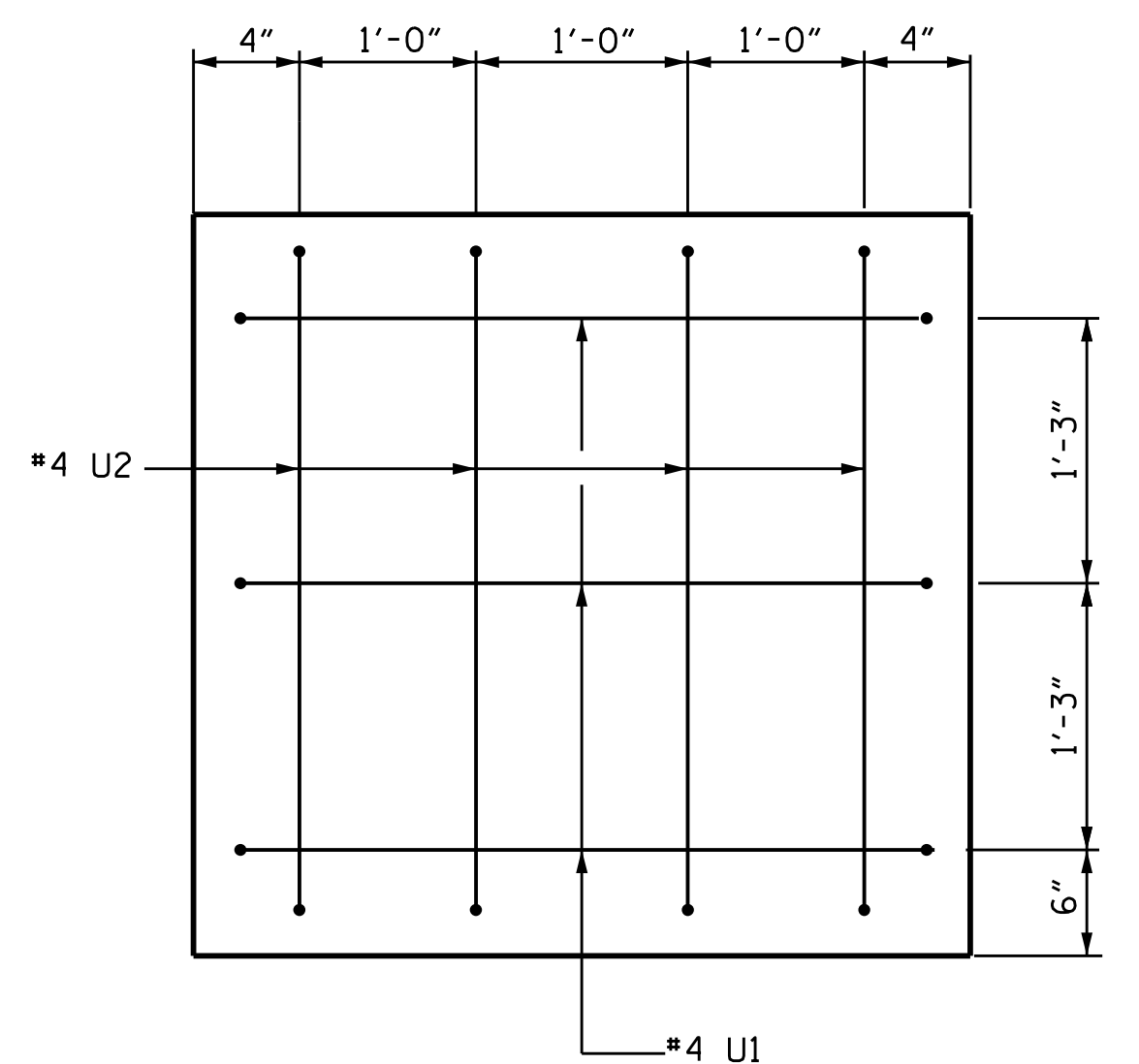


SECTION A-A



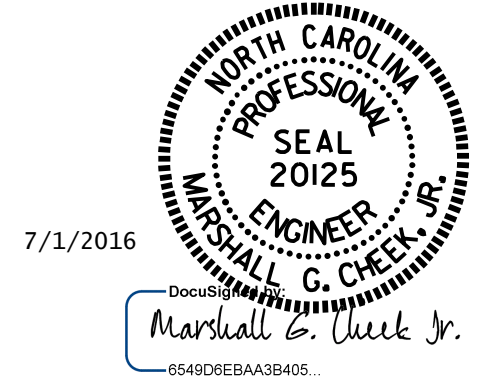
ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL					
BENT No. 2					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	7	#11	1	53'-2"	1977
B2	6	#5	STR	50'-2"	314
B3	7	#11	STR	50'-2"	1866
D1	64	#6	STR	1'-6"	144
S1	72	#5	2	10'-6"	789
U1	6	#4	3	6'-1"	24
U2	8	#4	3	6'-0"	32
V1	10	#11	4	56'-6"	3002
V2	10	#11	4	55'-11"	2971
V3	10	#11	4	42'-4"	2249
REINFORCING STEEL					13368 LBS.
SP-1	2	*	5	859'-6"	1793
SP-2	1	**	6	251'-8"	168
SP-3	1	**	6	233'-1"	156
SP-4	1	**	6	212'-6"	142
SP-5	1	*	5	602'-6"	628
SPIRAL COLUMN REINFORCING STEEL					2887 LBS.
* THE SP-1 & SP-5 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORMED BAR					
** THE SP-2 THRU SP-4 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)				5.0 C.Y.	
POUR #3 (CAP)				24.0 C.Y.	
TOTAL CLASS A CONCRETE				29.0 C.Y.	
DRILLED PIERS:					
DRILLED PIER CONCRETE POUR #1 (DRILLED PIERS)				41.7 C.Y.	
3'-6" Ø DRILLED PIERS NOT IN SOIL				32.00 LIN. FT.	
3'-6" Ø DRILLED PIERS IN SOIL				85.00 LIN. FT.	
PERMANENT STEEL CASING FOR 3'-6" Ø DRILLED PIERS				66.39 LIN. FT.	
CSL TUBES				486.00 LIN. FT.	



END OF CAP VIEW

TYPICAL BOTH ENDS



PROJECT NO. B-5125
 MACON COUNTY
 STATION: 13+25.89 -L-

SHEET 2 OF 2

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUBSTRUCTURE
 BENT No. 2

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			S-31
2			4			43

DRAWN BY : M. POOLE DATE : 10-15
 CHECKED BY : B. N. GRADY DATE : 3-16
 DESIGN ENGINEER OF RECORD: W. J. HARRIS DATE : 5-16

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED