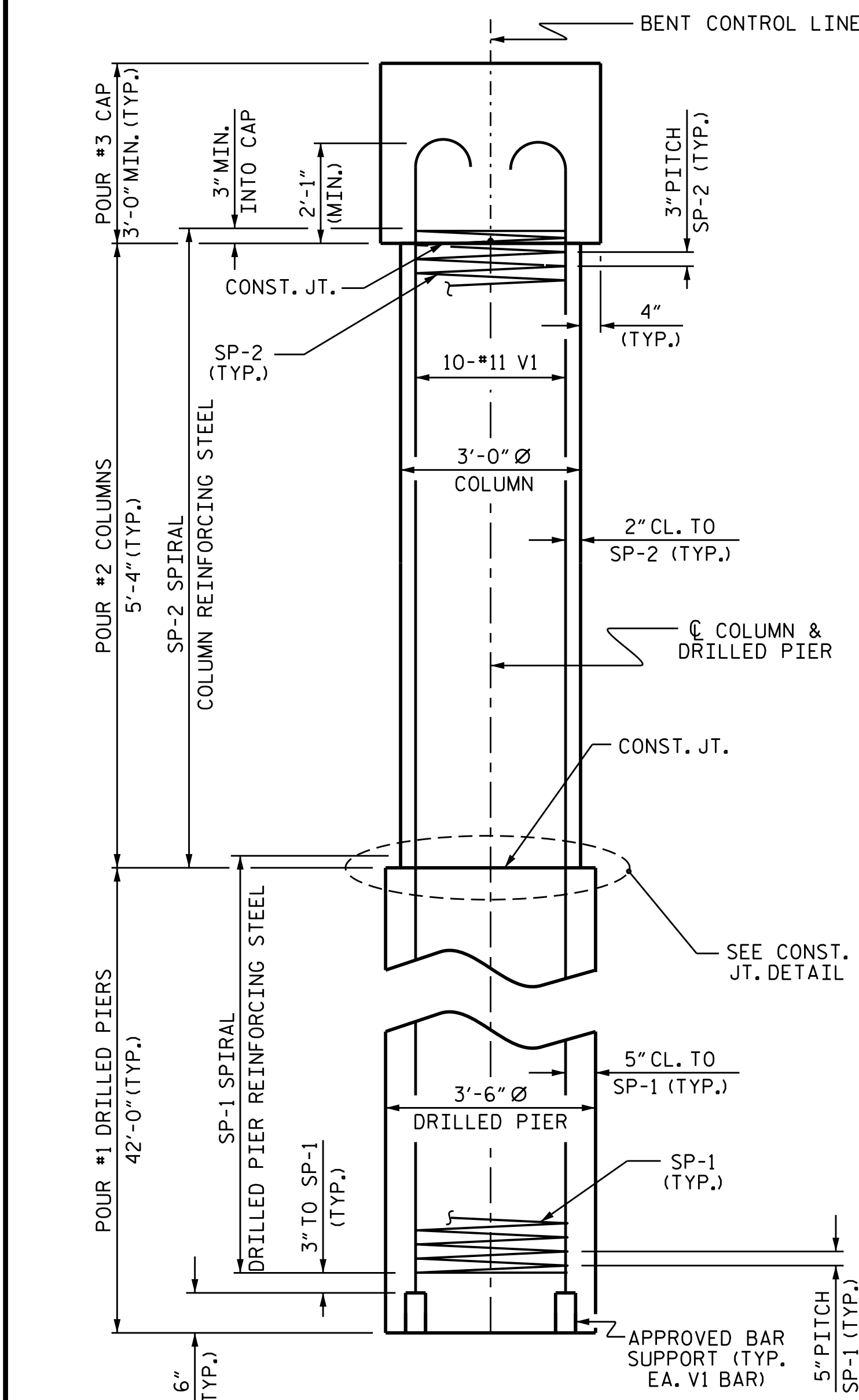
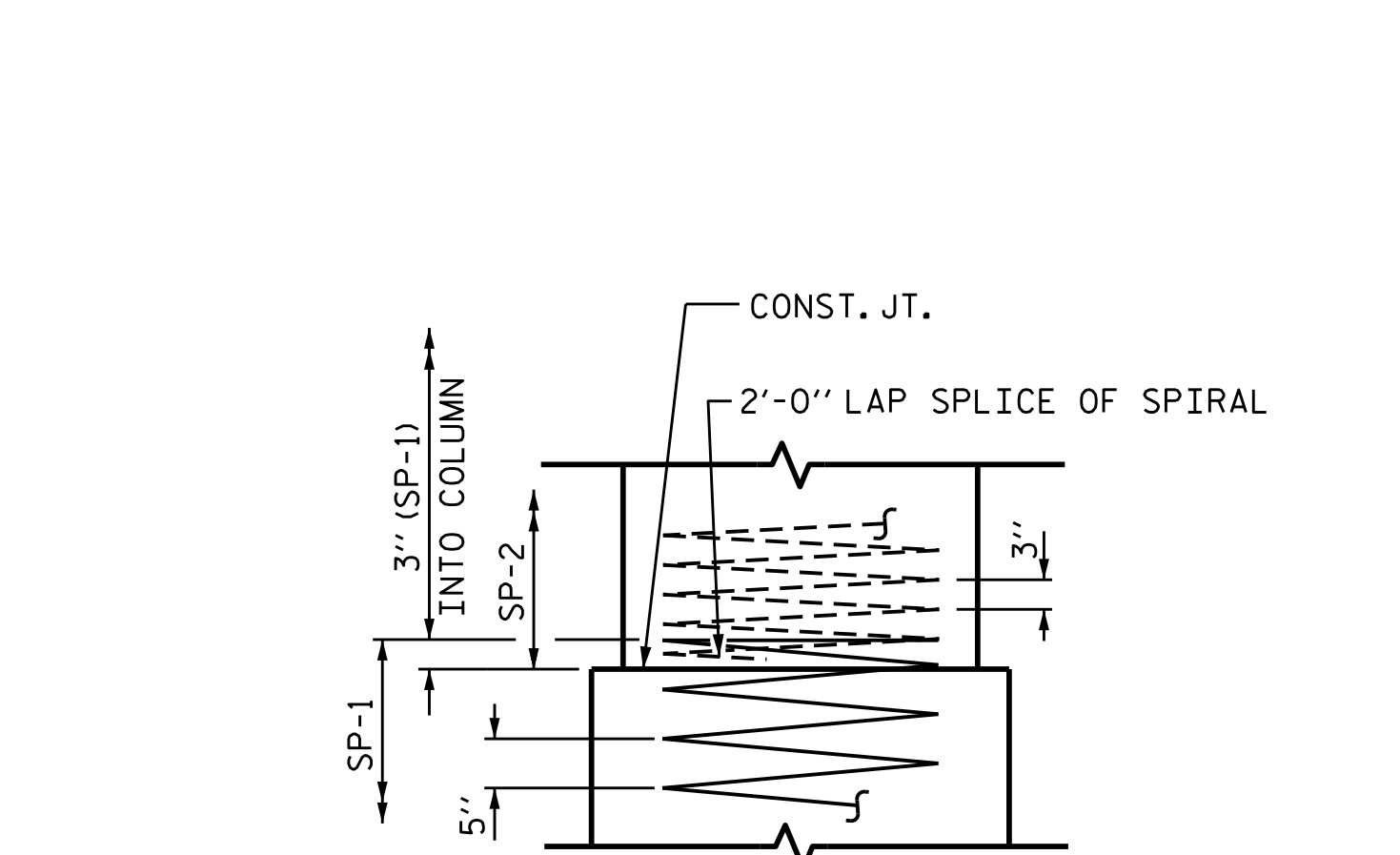


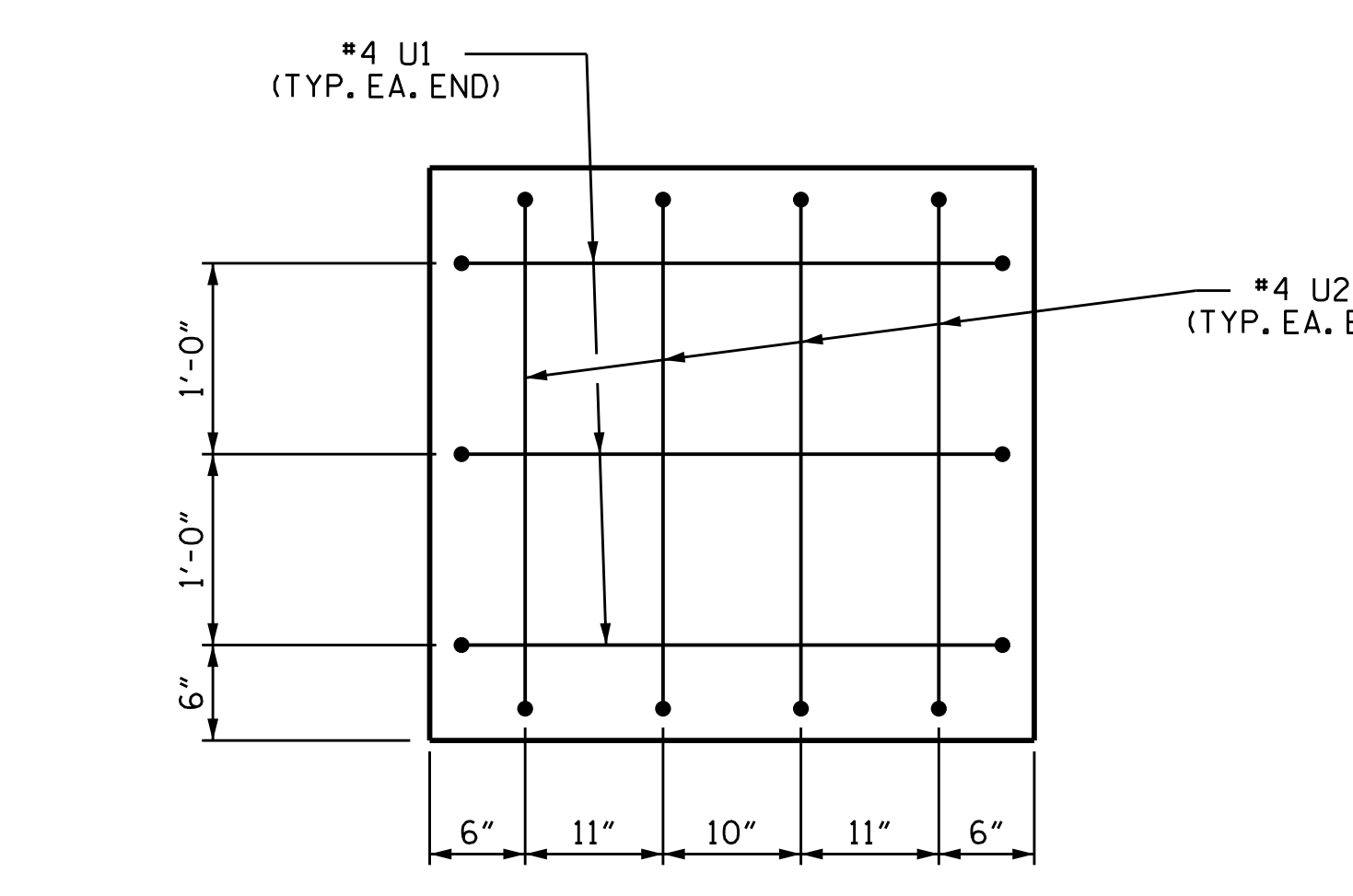
PLAN OF DRILLED PIERS & COLUMNS



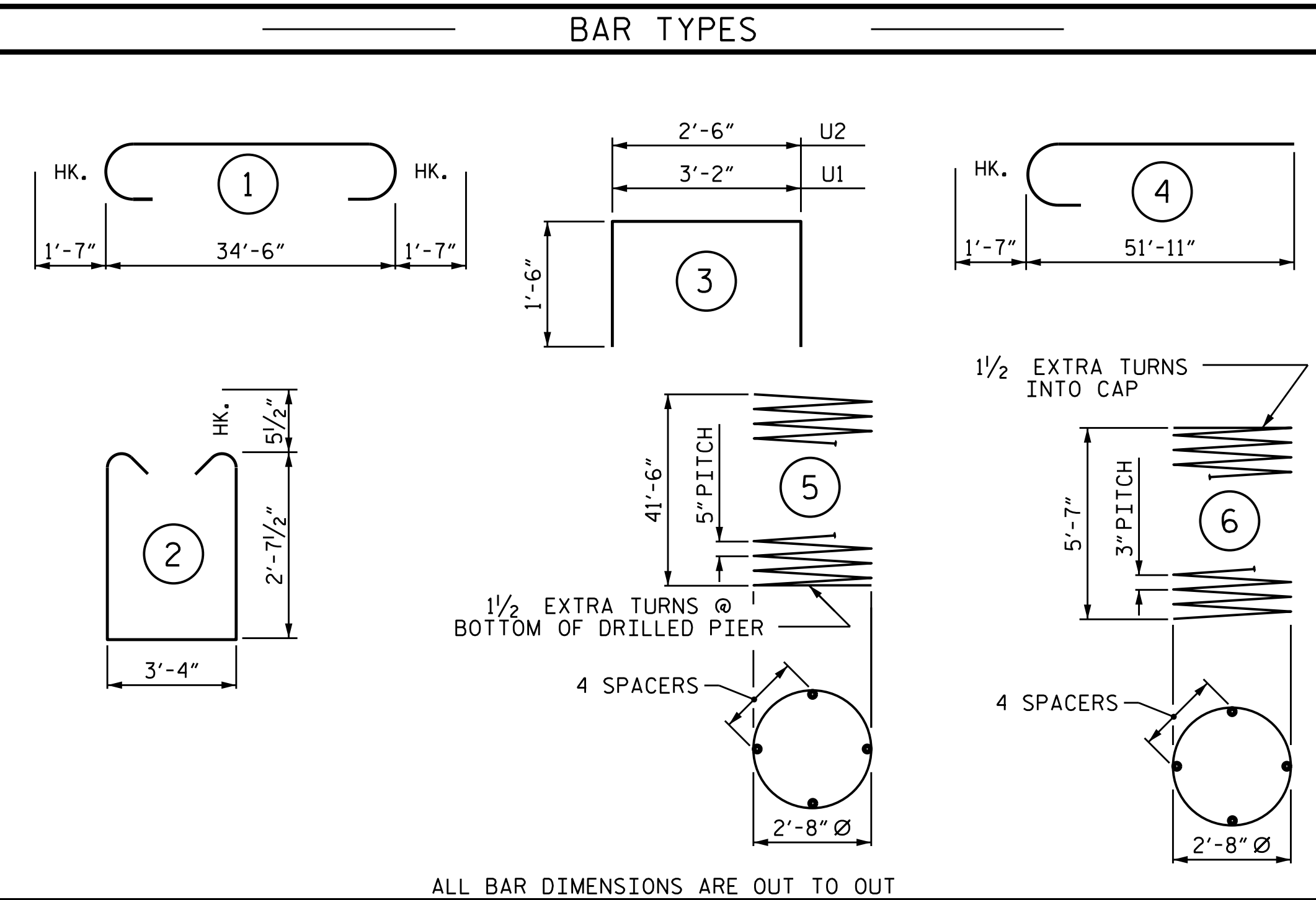
END ELEVATION



CONSTRUCTION JOINT DETAIL



END OF CAP VIEW  
(TYPICAL BOTH ENDS)

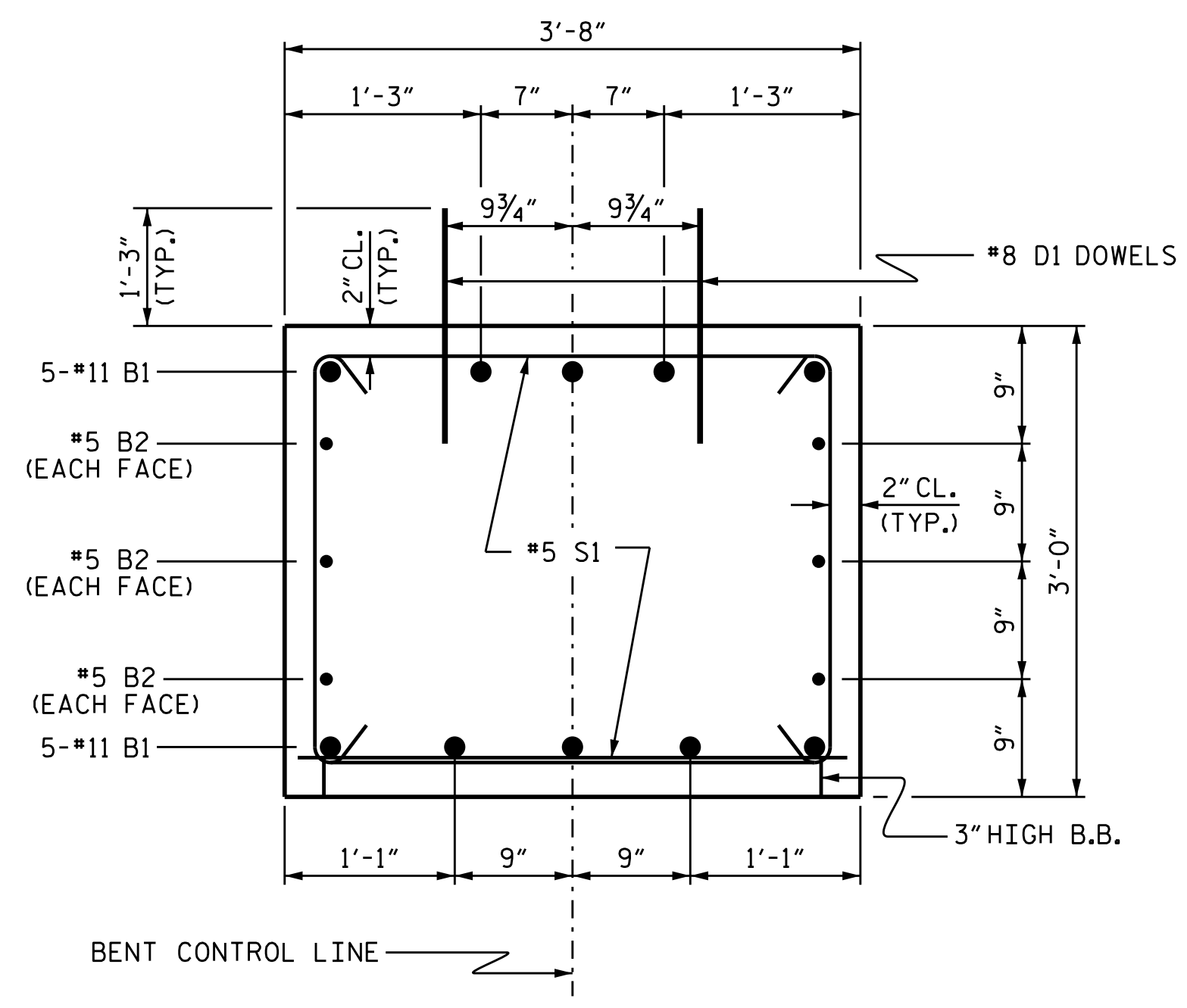


ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL					
BENT No. 1					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	10	#11	1	37'-8"	2001
B2	6	#5	STR	34'-8"	217
D1	44	#8	STR	2'-3"	264
S1	36	#5	2	9'-6"	357
U1	6	#4	3	6'-2"	25
U2	8	#4	3	5'-6"	29
V1	30	#11	4	53'-6"	8527
REINFORCING STEEL					11,420 LBS.
SP-1	3	*	5	832'-9"	2606
SP-2	3	**	6	198'-1"	397
SPIRAL COLUMN REINFORCING STEEL					3003 LBS.
* THE SP-1 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORMED BAR					
** THE SP-2 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)	4.2 C.Y.
POUR #3 (CAP)	14.3 C.Y.
<b>TOTAL CLASS A CONCRETE</b>	<b>18.5 C.Y.</b>

DRILLED PIERS:	
DRILLED PIER CONCRETE	
POUR #1 (DRILLED PIERS)	44.9 C.Y.
3'-6" Ø DRILLED PIERS IN SOIL	64.00 LIN. FT.
3'-6" Ø DRILLED PIERS NOT IN SOIL	62.00 LIN. FT.
CSL TUBES	522.00 LIN. FT.



SECTION THRU CAP

PROJECT NO. B-5341  
ROCKINGHAM COUNTY  
 STATION: 16+43.00 -L-

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

SHEET NO.	
S-21	TOTAL SHEETS 23

DRAWN BY : B.N. GRADY DATE : 2/15  
 CHECKED BY : J.P. MCCARTHA DATE : 3/15  
 DESIGN ENGINEER OF RECORD: B.N. GRADY DATE : 9/15

