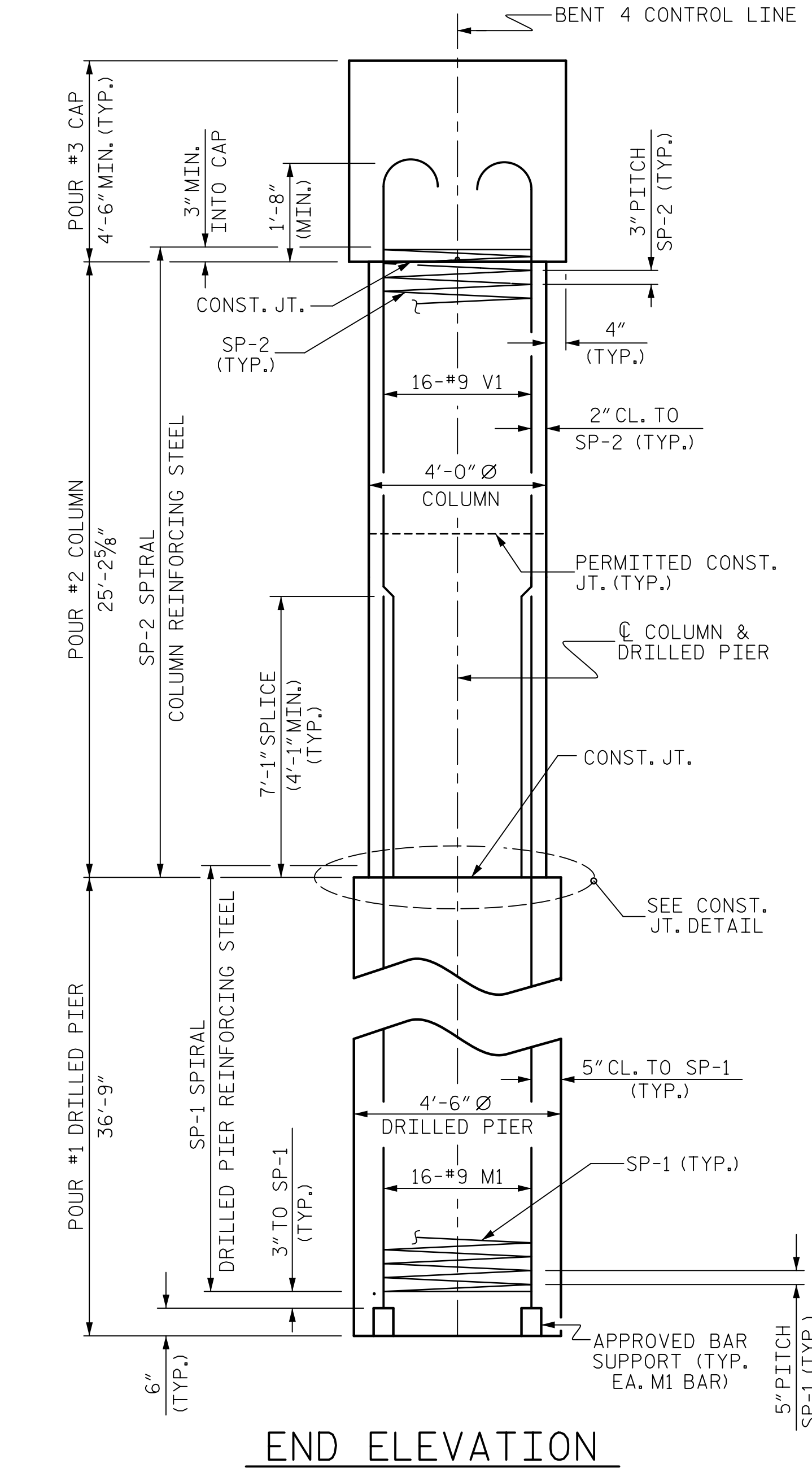
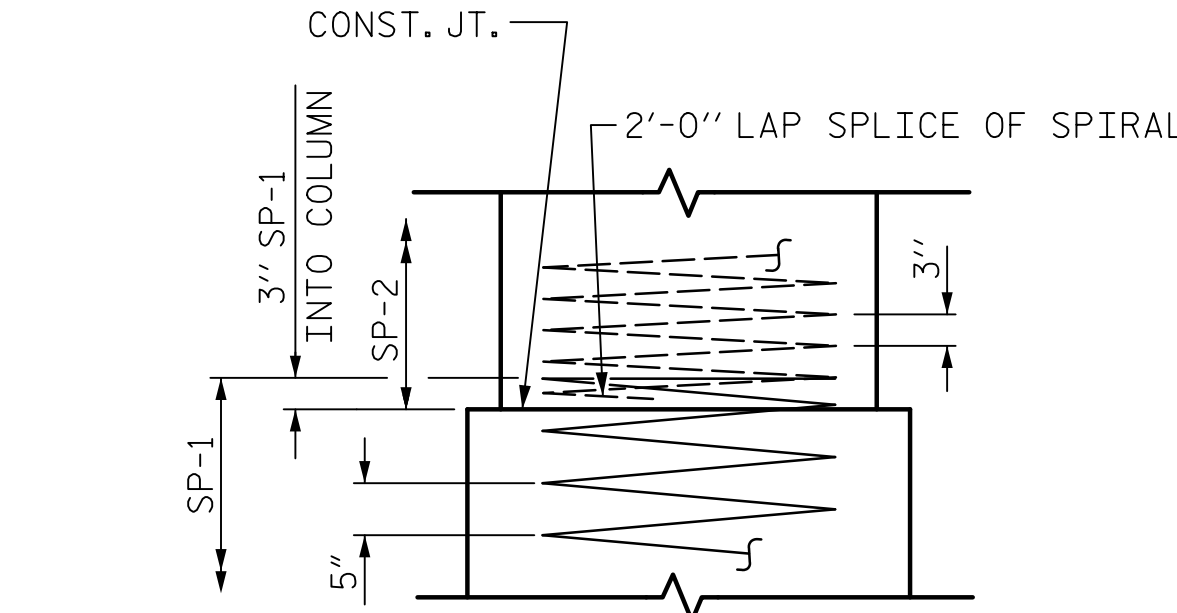


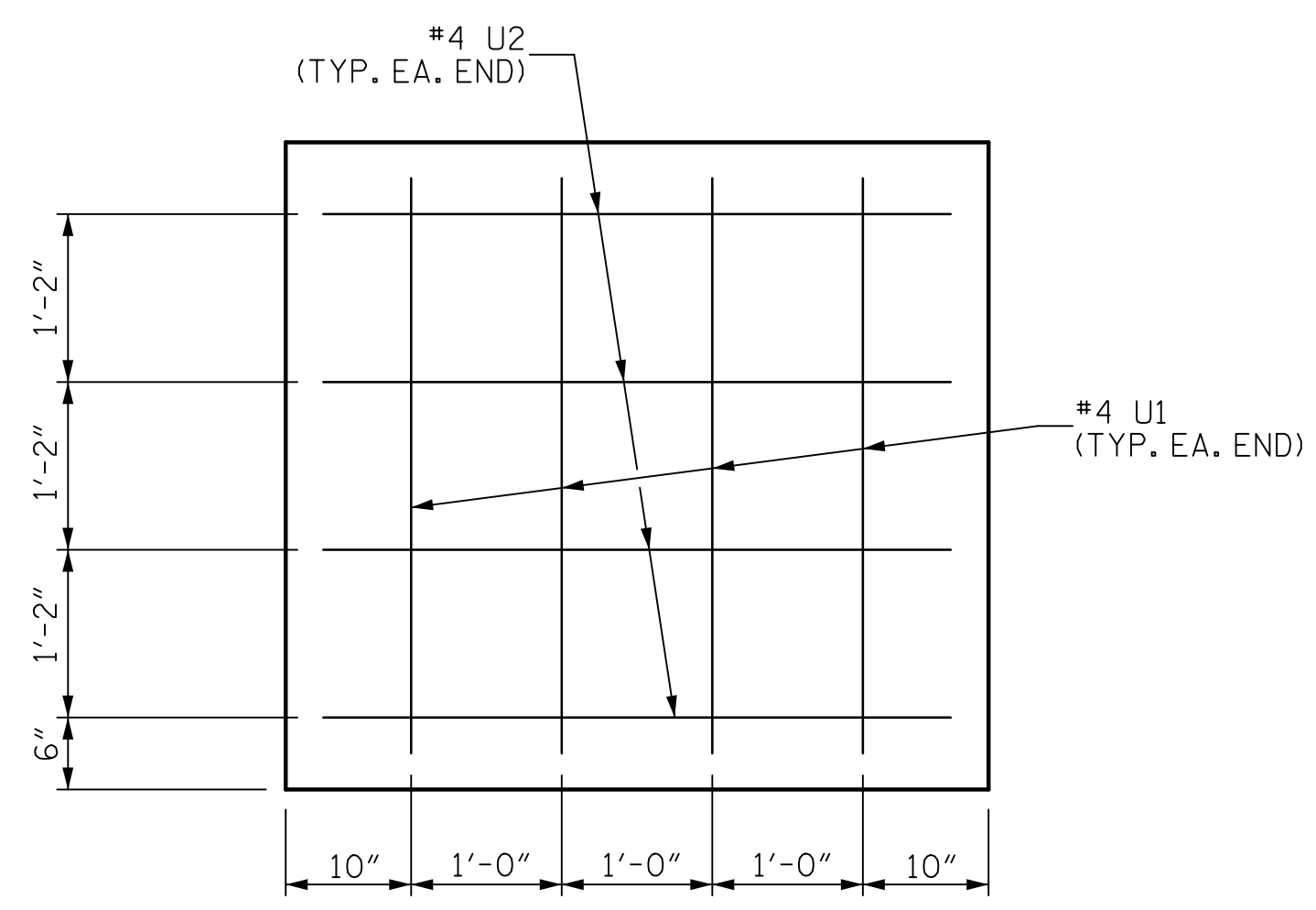
**PLAN OF DRILLED PIERS & COLUMNS**



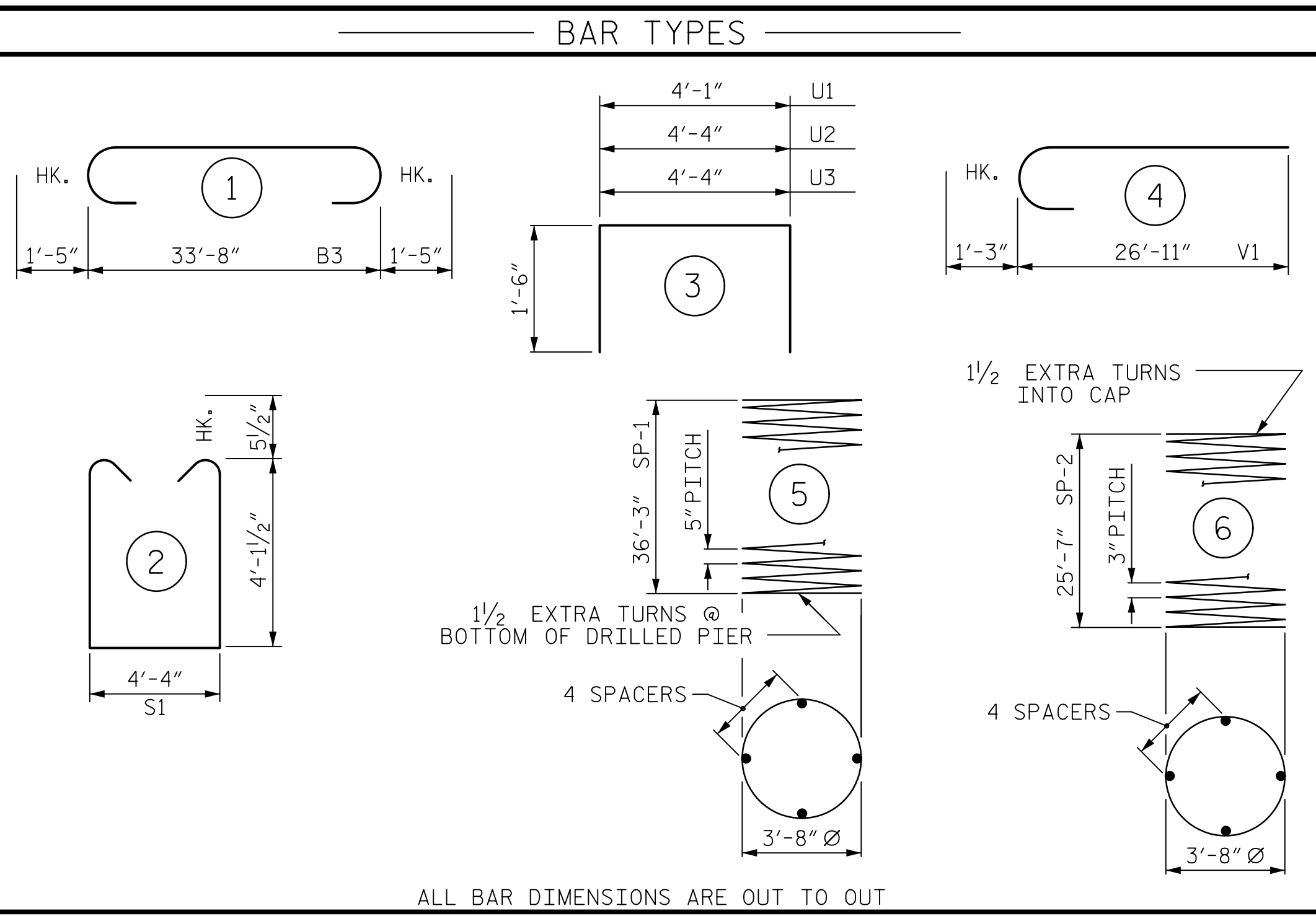
**END ELEVATION**



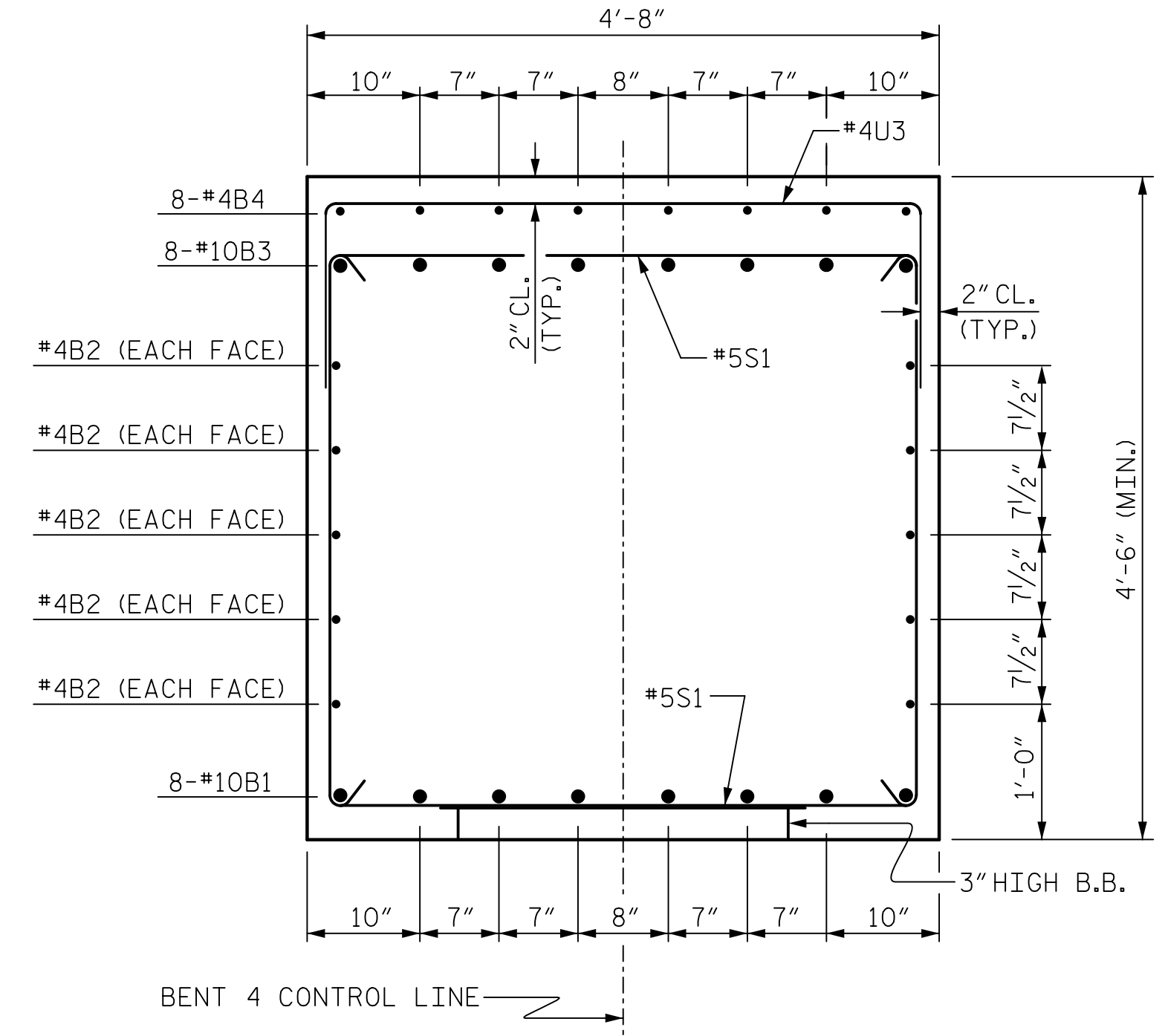
**CONSTRUCTION JOINT DETAIL**



**SECTION X-X  
(TYPICAL EACH END)**



ALL BAR DIMENSIONS ARE OUT TO OUT



**SECTION A-A**

**BILL OF MATERIAL**

BENT NO. 4					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	8	#10	STR	33'-8"	1159
B2	10	#4	STR	33'-8"	225
B3	8	#10	1	36'-6"	1256
B4	8	#4	STR	3'-4"	18
M1	48	#9	STR	43'-7"	7113
S1	60	#5	2	13'-6"	845
U1	8	#4	3	7'-1"	38
U2	8	#4	3	7'-4"	39
U3	35	#4	3	7'-4"	171
V1	48	#9	4	28'-2"	4597
REINFORCING STEEL					15,461 LBS.

SP-1	3	*	5	1020'-0"	3192
SP-2	3	**	6	1190'-6"	2386

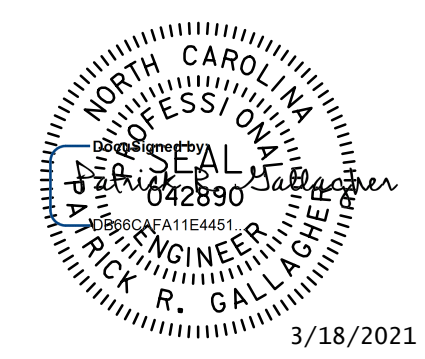
SPIRAL COLUMN REINFORCING STEEL 5578 LBS.

\* 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)	35.2 C.Y.
POUR #3 (CAP)	27.2 C.Y.
<b>TOTAL CLASS A CONCRETE</b>	<b>62.4 C.Y.</b>

DRILLED PIERS:	
DRILLED PIER CONCRETE POUR #1 (DRILLED PIERS)	64.8 C.Y.
4'-6" Ø DRILLED PIER NOT IN SOIL	58.00 LIN. FT.
4'-6" Ø DRILLED PIER IN SOIL	52.10 LIN. FT.
CSL TUBES	458.4 LIN. FT.

W&M\0509 2561 V&M\Transportation\310-09 B4407\Structural\Final Plans\083\_LB-4407\_SML\BT42\_S42.dgn  
 TIME: 05:44 PM on Friday, February 05, 2021



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DWN. BY: WDC  
 CHKD. BY: PRG  
 DES. EGR. OF RECORD: PRG  
 DATE: 10/2020  
 DATE: 10/2020  
 DATE: 10/2020

PROJECT NO. B-4407  
 ANSON/STANLY COUNTY  
 STATION: 32+31.61 -L-

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 SUBSTRUCTURE  
 BENT NO. 4

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

SHEET NO. S-42  
 TOTAL SHEETS 45