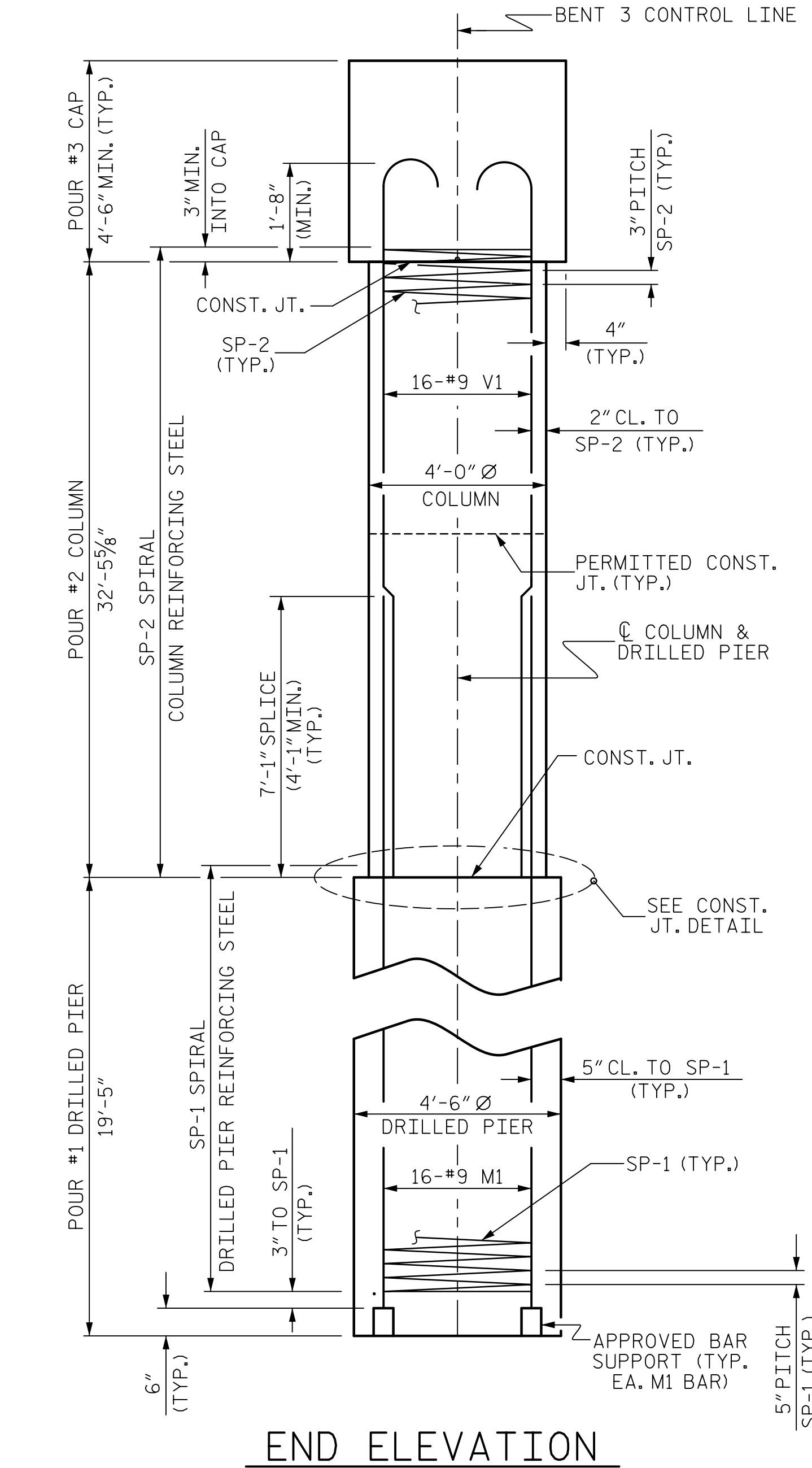
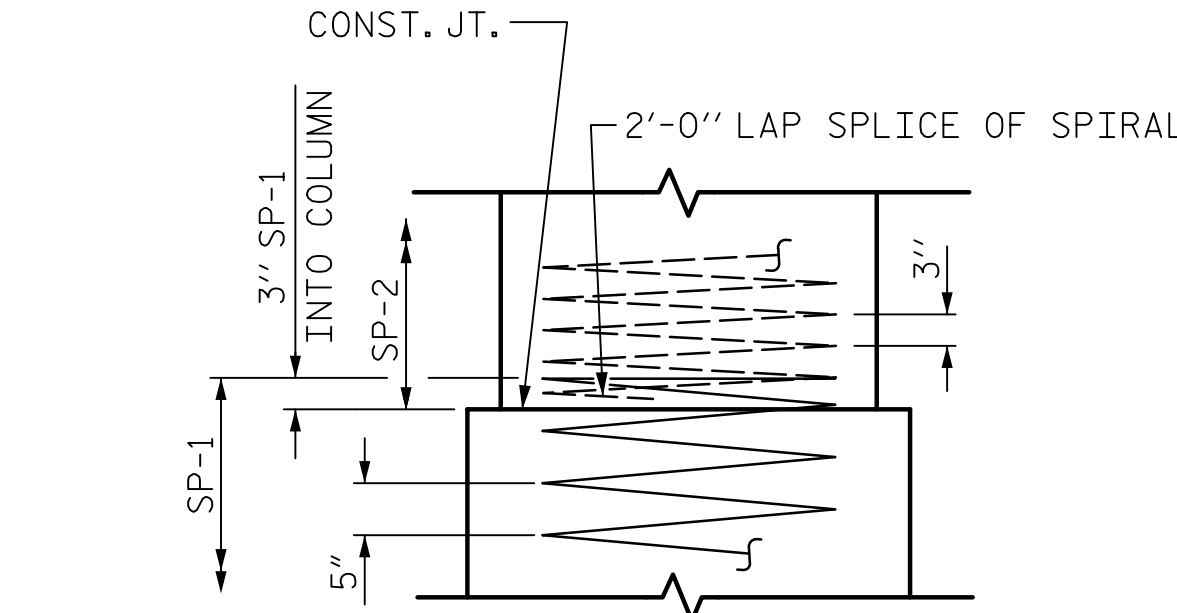


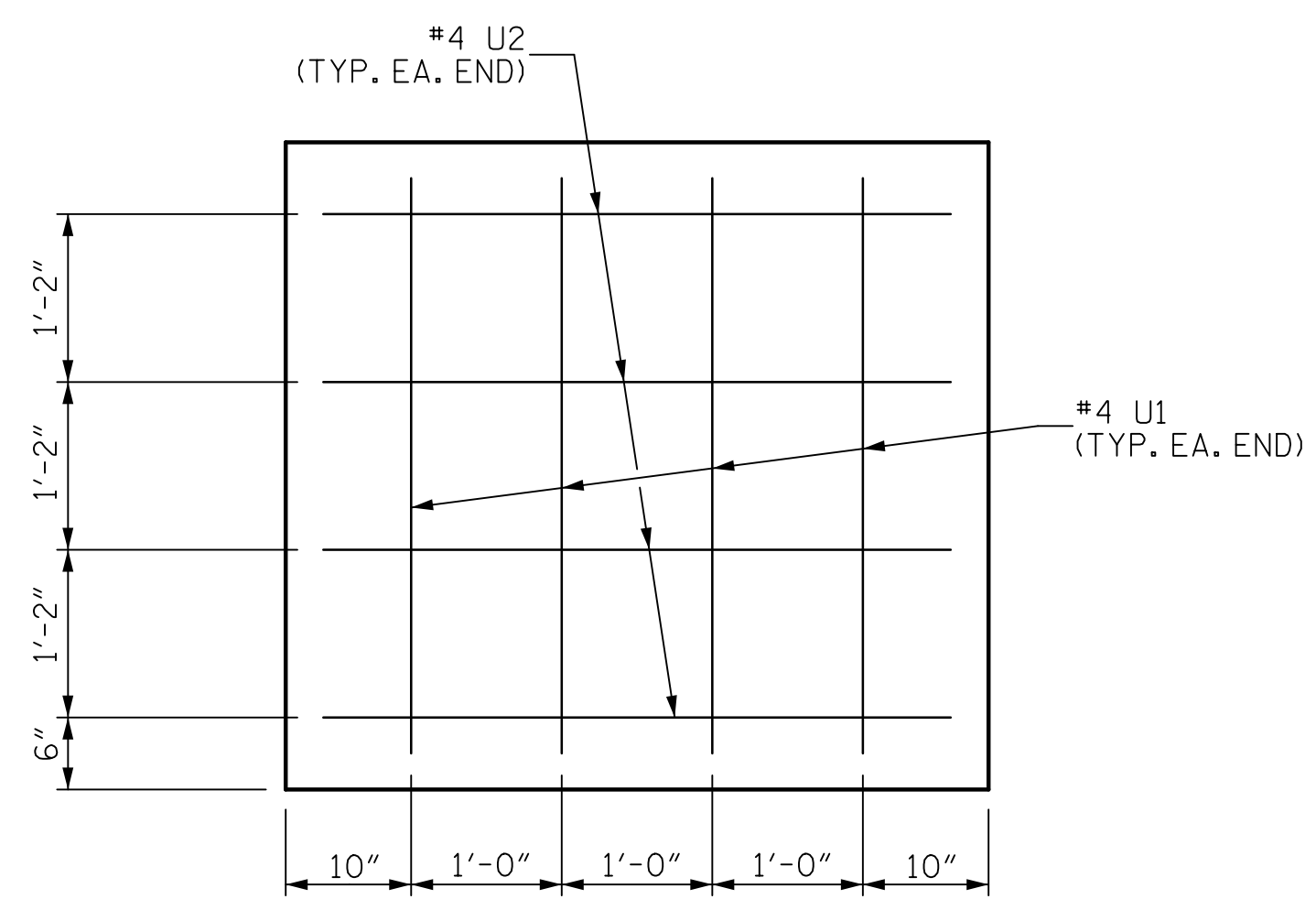
PLAN OF DRILLED PIERS & COLUMNS



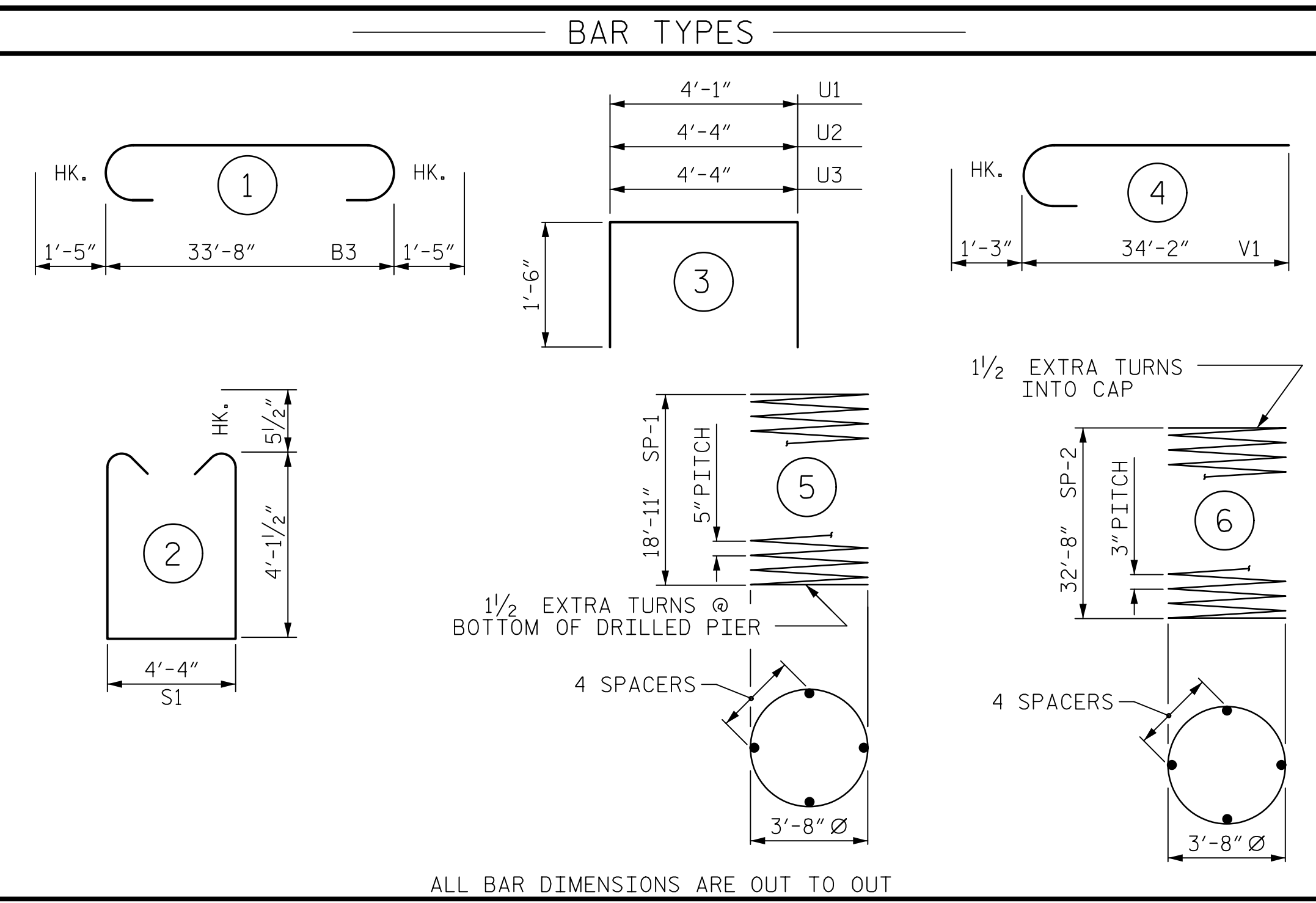
END ELEVATION



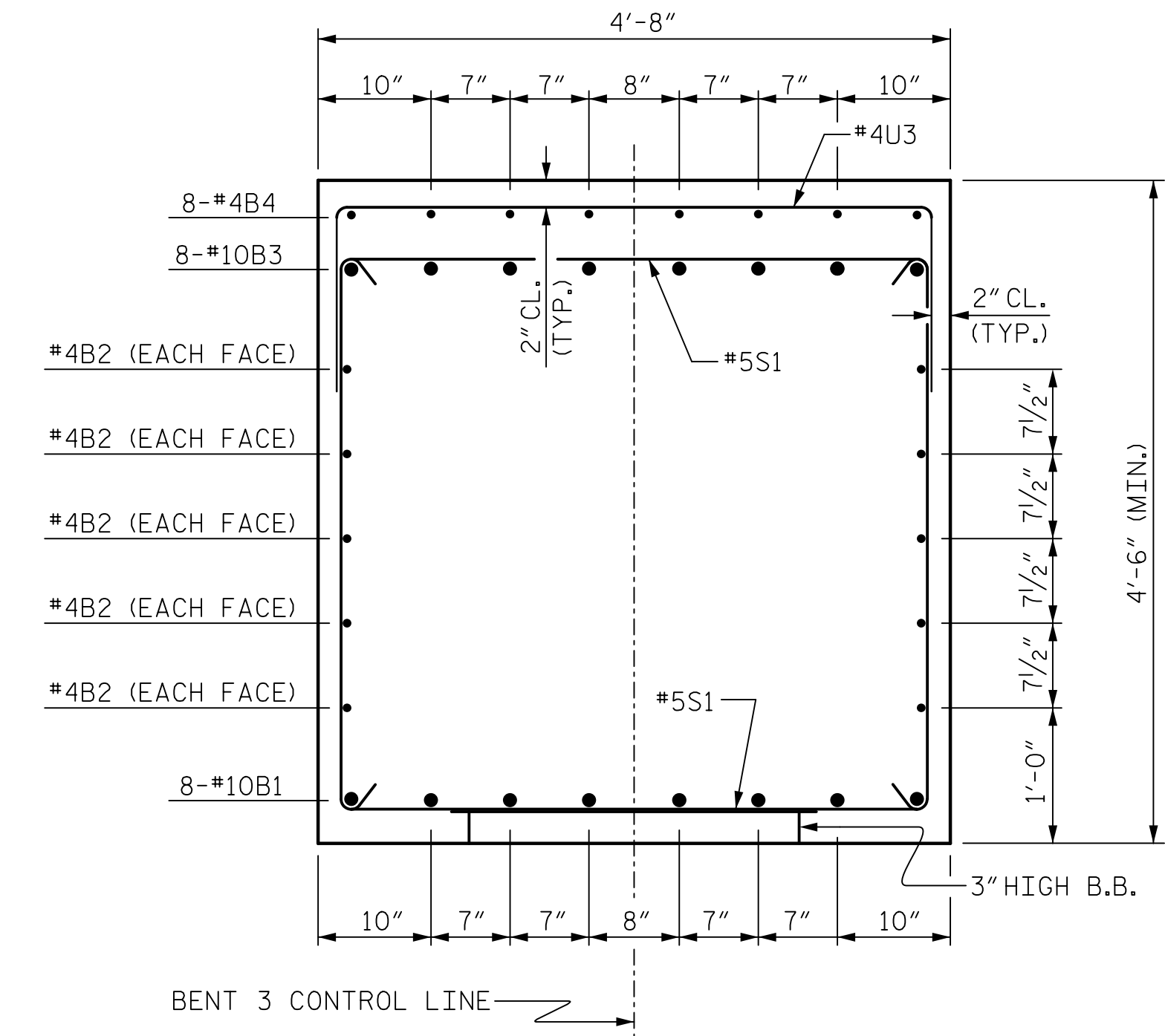
CONSTRUCTION JOINT DETAIL



SECTION X-X  
(TYPICAL EACH END)



ALL BAR DIMENSIONS ARE OUT TO OUT

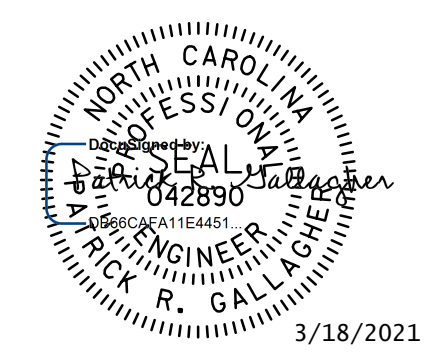


SECTION A-A

BILL OF MATERIAL					
BENT NO. 3					
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	26'-3"	4284
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	35'-5"	5780
REINFORCING STEEL					13,815 LBS.
SP-1	3	*	5	541'-6"	1694
SP-2	3	**	6	1509'-6"	3025
SPIRAL COLUMN REINFORCING STEEL					4,719 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)					45.3 C.Y.
POUR #3 (CAP)					27.2 C.Y.
TOTAL CLASS A CONCRETE					72.5 C.Y.
DRILLED PIERS:					
POUR #1 (DRILLED PIERS)					34.2 C.Y.
4'-6" Ø DRILLED PIER NOT IN SOIL					47.00 LIN. FT.
4'-6" Ø DRILLED PIER IN SOIL					11.20 LIN. FT.
PERMANENT STEEL CASING FOR 4'-6" Ø DRILLED PIERS					13.20 LIN. FT.
CSL TUBES					250.8 LIN. FT.

PROJECT NO. B-4407  
 ANSON/STANLY COUNTY  
 STATION: 32+31.61 -L-  
 SHEET 2 OF 2

**V&M**  
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DWN. BY: WDC  
 CHKD. BY: PRG  
 DES. EGR. OF RECORD: PRG  
 DATE: 10/2020  
 DATE: 10/2020  
 DATE: 10/2020

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 SUBSTRUCTURE  
 BENT NO. 3

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

SHEET NO. S-40  
 TOTAL SHEETS 45

W&M/05/2021 12:56 PM V&M/Transportation/3130-09 B4407/Structures/Final Plans/VOL 079\_B-4407\_SML\_B132\_S40.dgn  
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