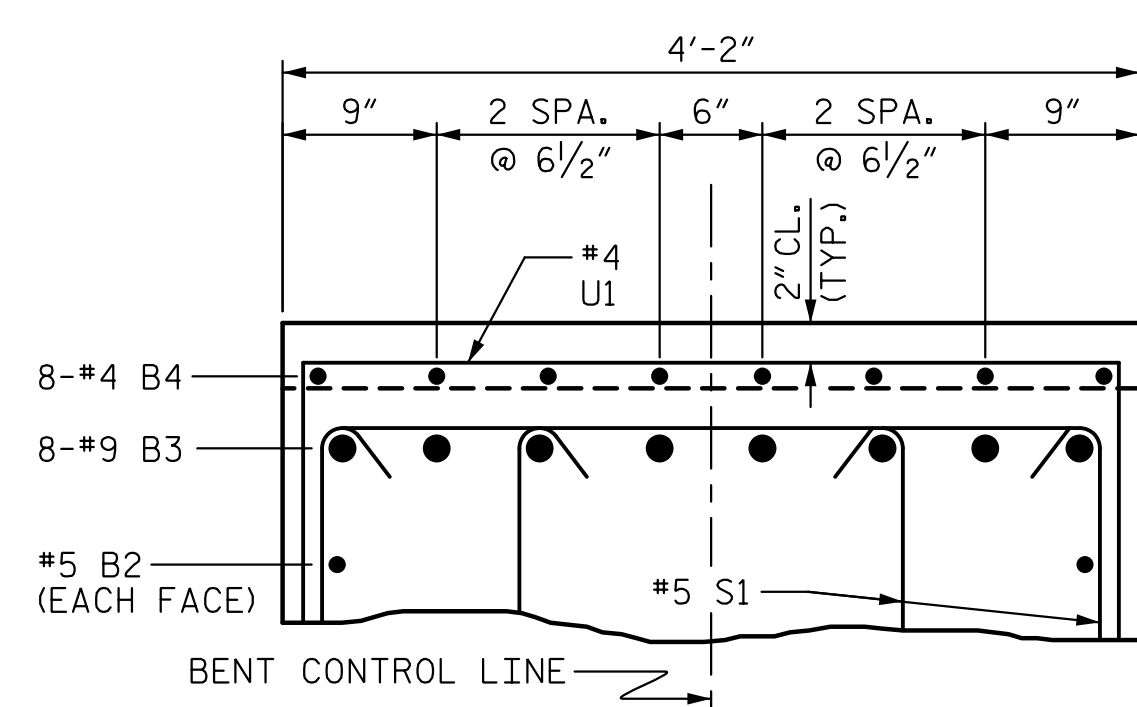
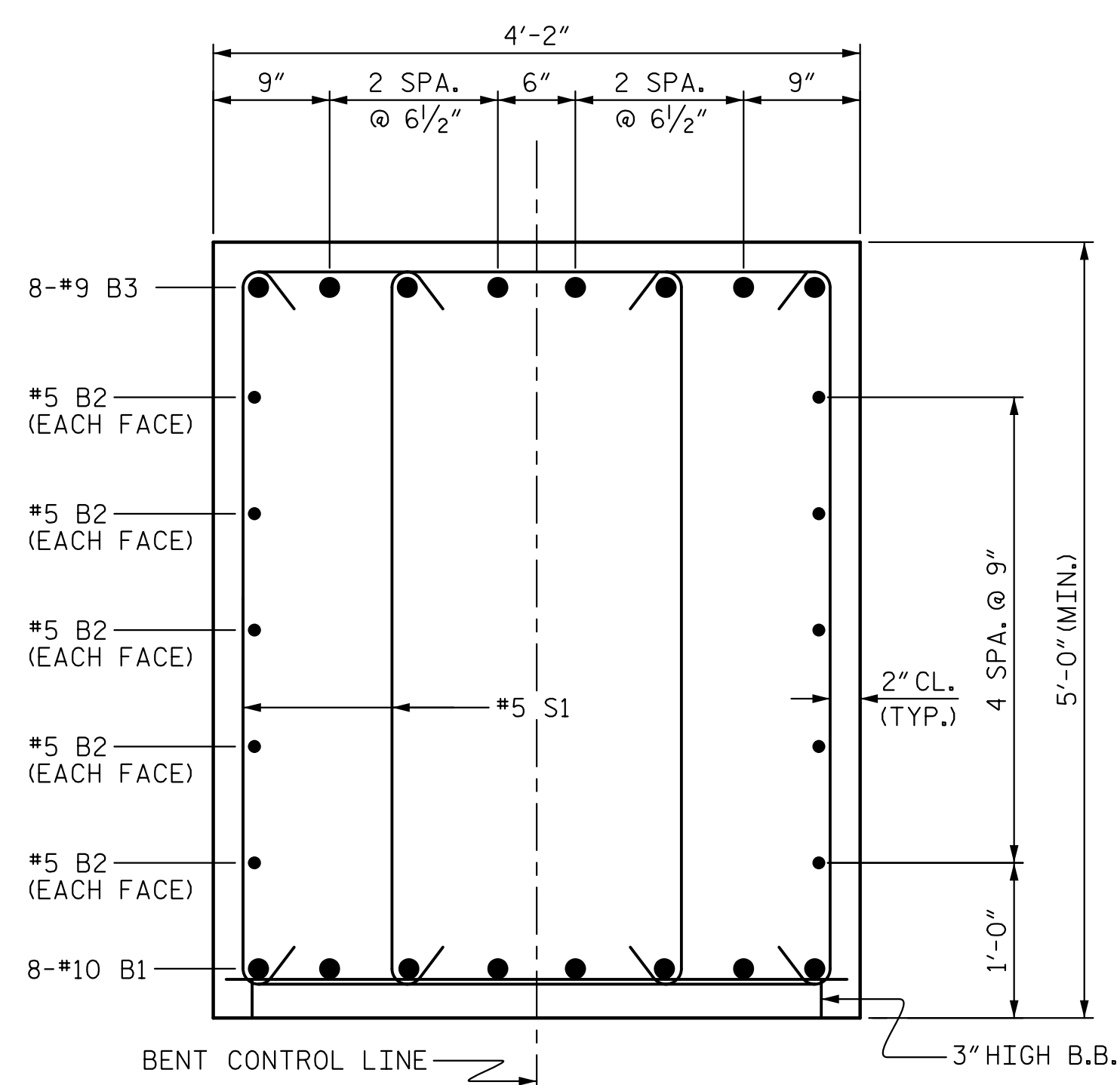


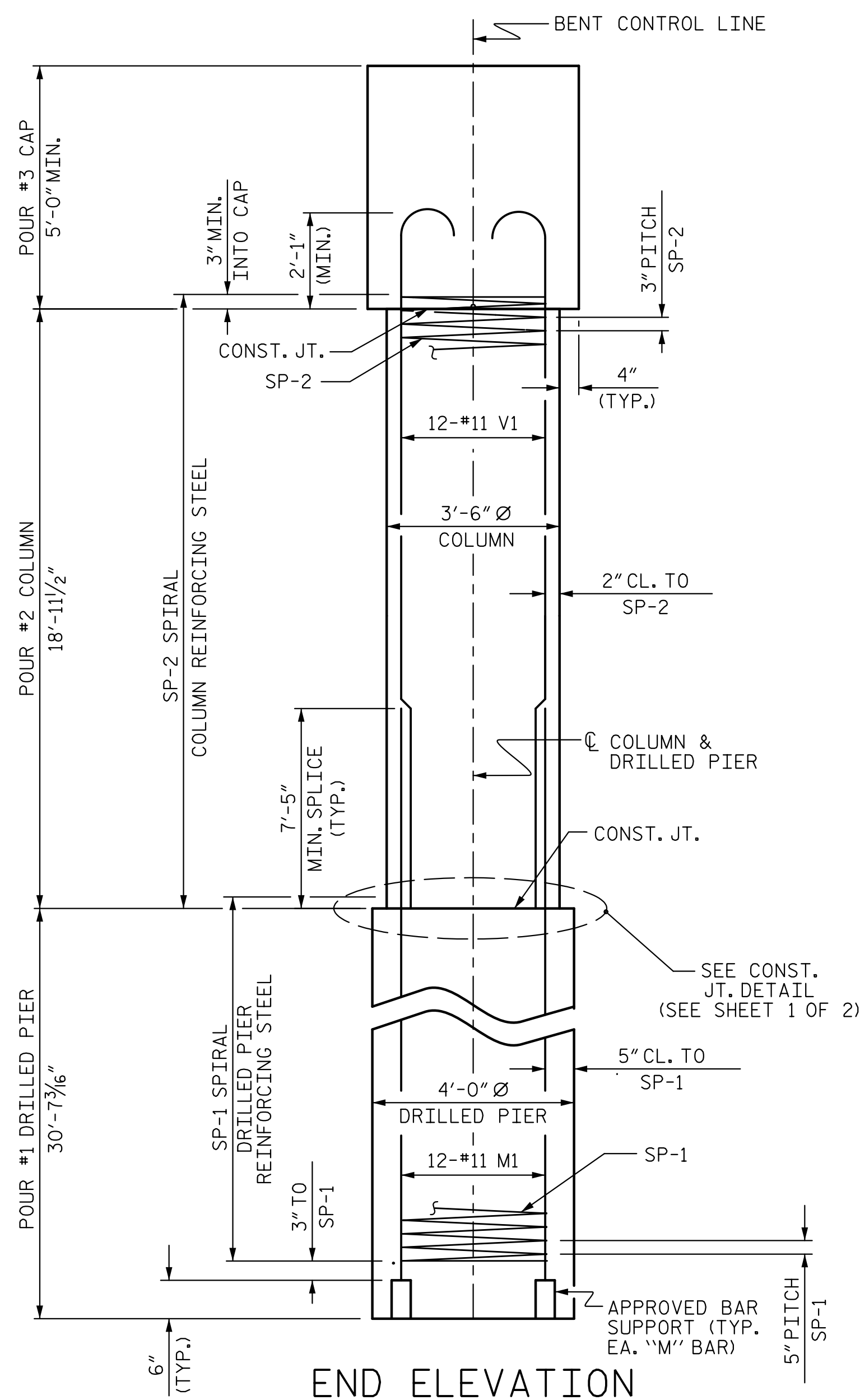
END OF CAP DETAIL (TYP.)



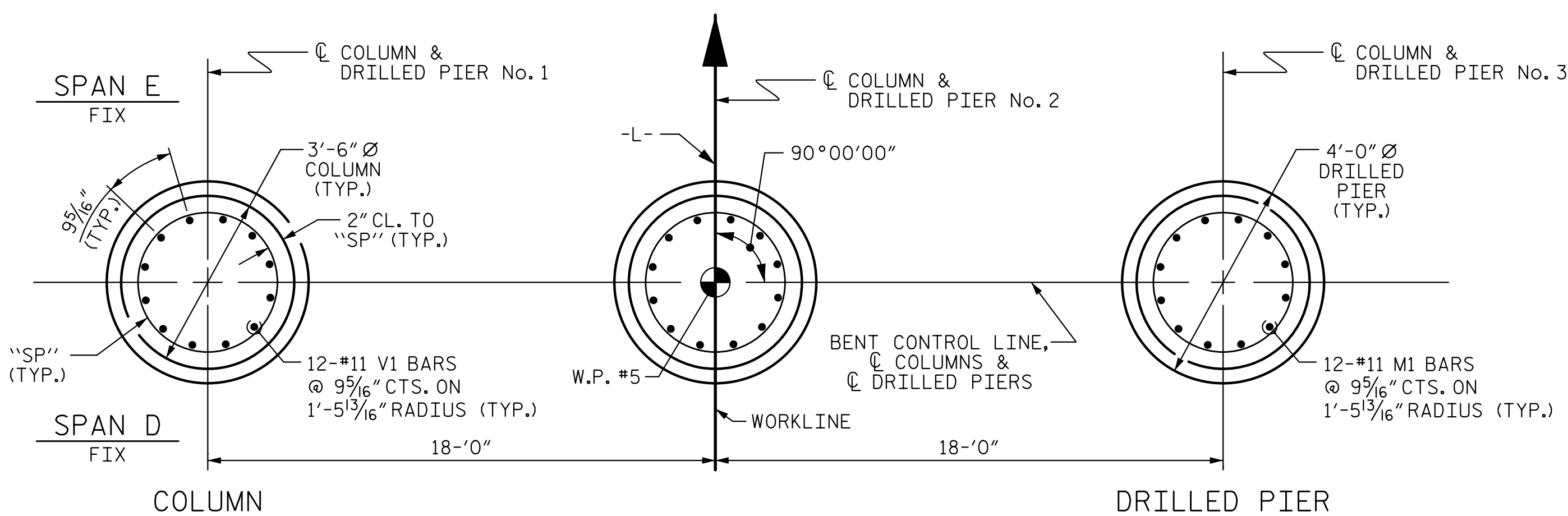
SECTION B-B



SECTION A-A

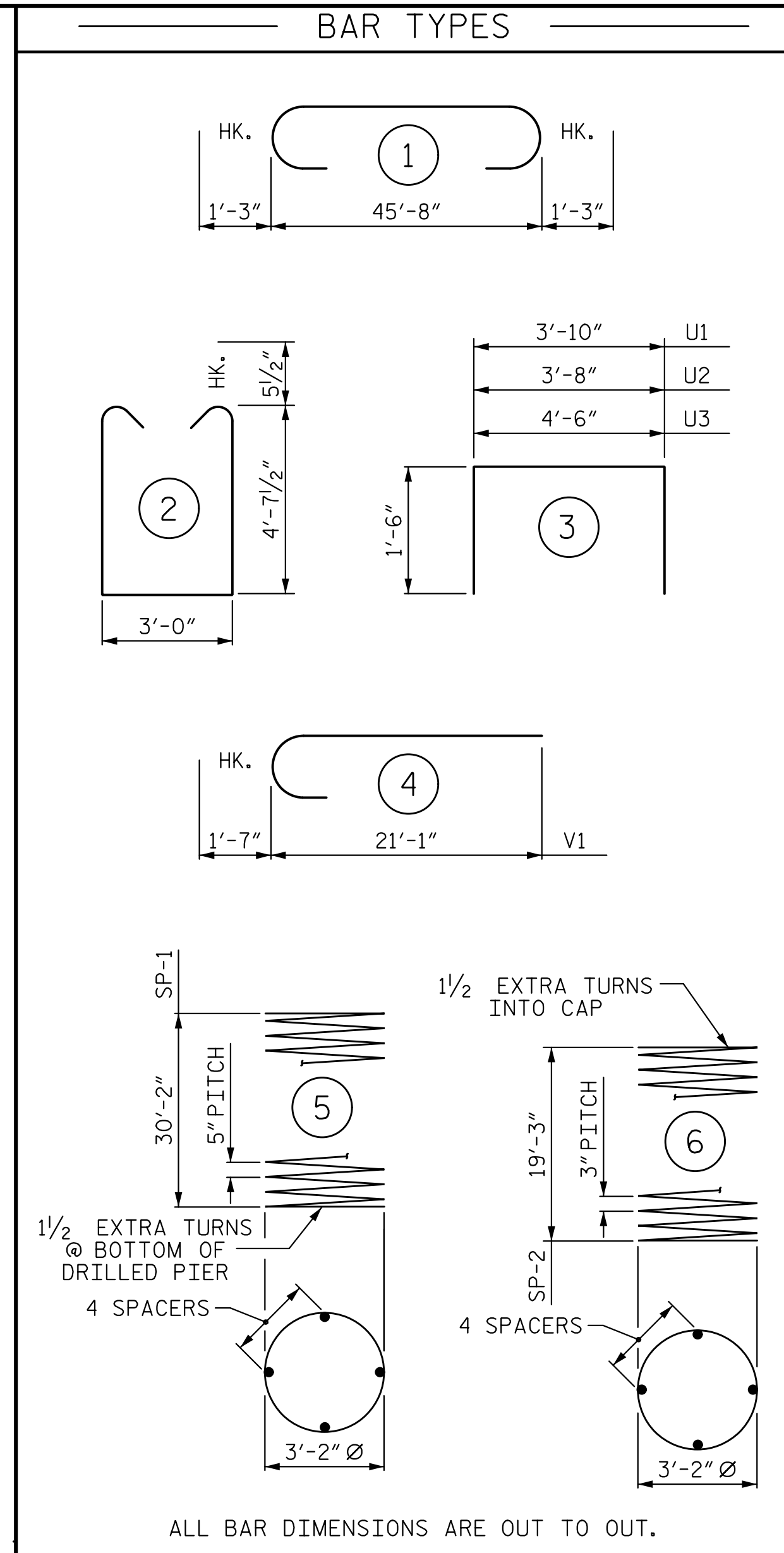


END ELEVATION



PLAN OF DRILLED PIERS & COLUMNS

(DETAILS ARE TYPICAL EACH DRILLED PIER & COLUMN)



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL

BENT 4

BAR NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	#8	STR	45'-10"	1,578
B2	#5	STR	45'-10"	478
B3	#9	1	48'-2"	1,310
B4	#4	STR	3'-10"	20
M1	#11	STR	40'-7"	7,762
S1	#5	2	13'-2"	1,648
U1	#4	3	6'-10"	183
U2	#4	3	6'-8"	45
U3	#4	3	7'-6"	50
V1	#11	4	22'-8"	4,335

REINFORCING STEEL 17,409 LBS.

BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	
SP-1	#3	*	5	724'-9"	2,268
SP-2	#3	**	6	771'-0"	1,545

SPIRAL COLUMN REINFORCING STEEL 3,813 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

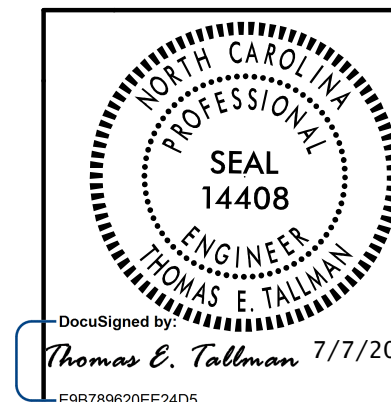
POUR #2 (COLUMNS)	20.3 C.Y.
POUR #3 (CAP)	36.6 C.Y.
TOTAL CLASS A CONCRETE	56.9 C.Y.

DRILLED PIERS:

DRILLED PIER CONCRETE	42.8 C.Y.
4'-0" Ø DRILLED PIERS NOT IN SOIL	36.00 LIN. FT.
4'-0" Ø DRILLED PIERS IN SOIL	55.80 LIN. FT.
CSL TUBES	385.2 LIN. FT.

PROJECT NO. W-5516  
 ROWAN COUNTY  
 STATION: 61+79.40 -L-  
 SHEET 2 OF 2

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 SUBSTRUCTURE  
 BENT 4



REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	S-35	
1			3			TOTAL SHEETS 41	
2			4				

5/28/2015 10:53 AM C:\Users\pep\Documents\Projects\35 - w-5516 - sd.b4.02.dgn  
 T.E. Tallman, Inc.

DRAWN BY: D. H. CARTER DATE: MAY 2015  
 CHECKED BY: M. T. NEIHEISEL DATE: MAY 2015  
 DESIGN ENGINEER OF RECORD: T. E. TALLMAN DATE: MAY 2015