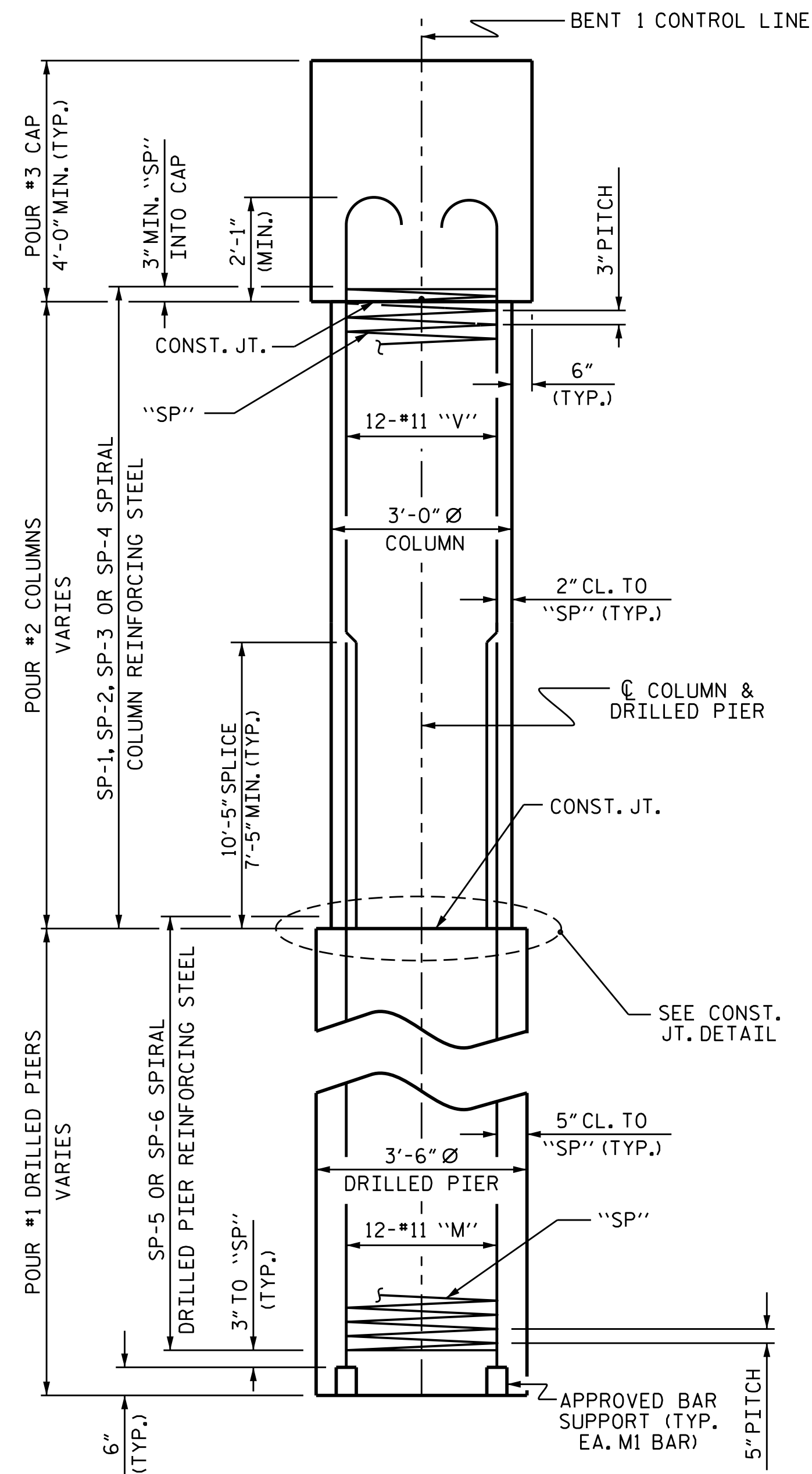
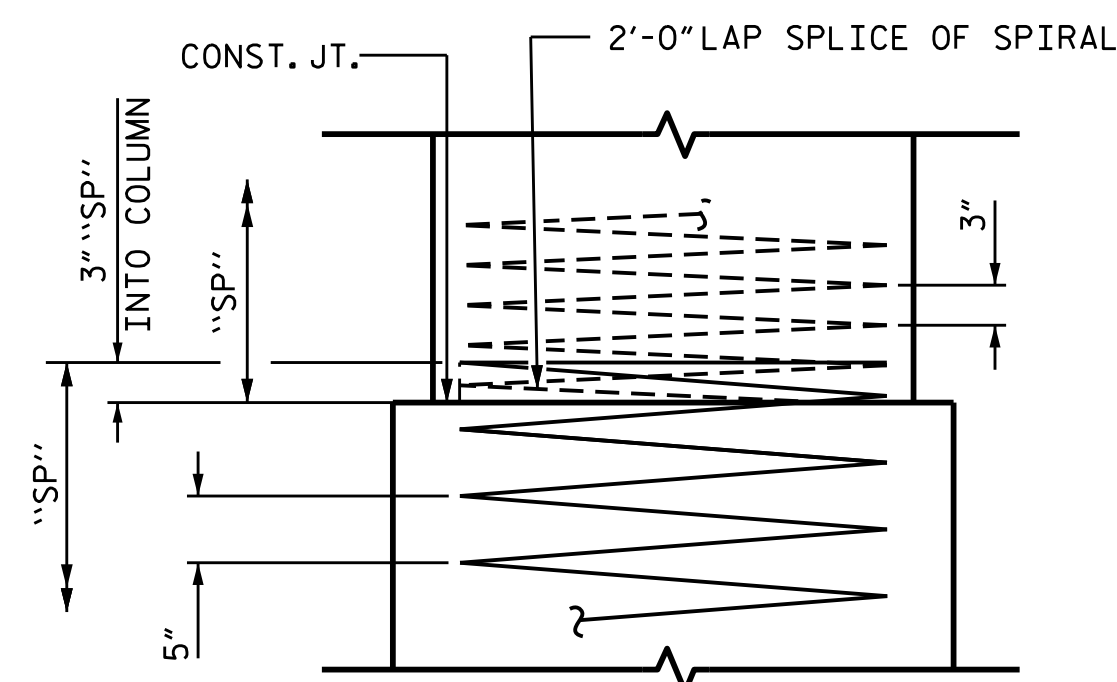


PLAN OF DRILLED PIERS & COLUMNS

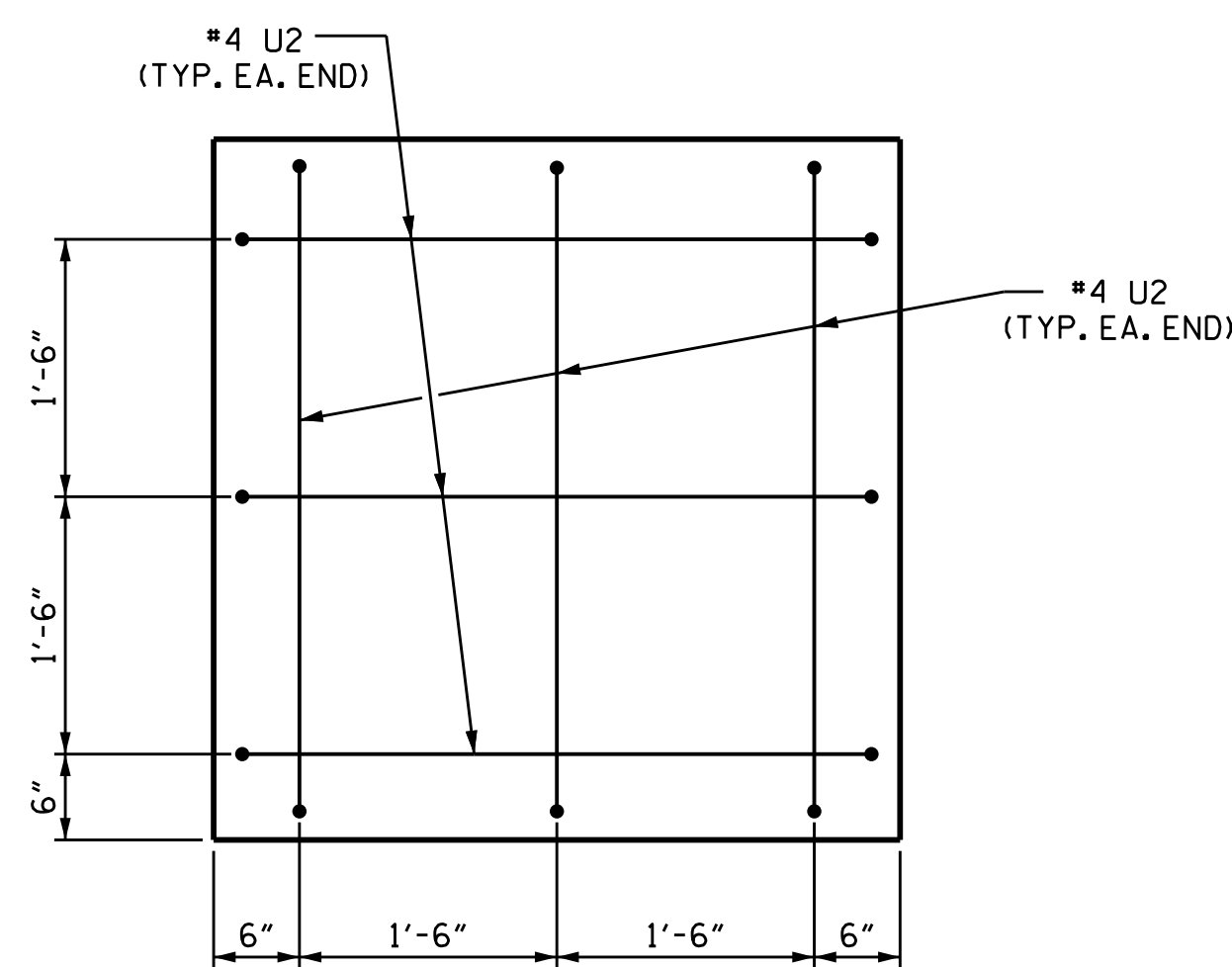
DIMENSIONS AND REINFORCING STEEL ARE TYPICAL FOR EACH COLUMN & DRILLED PIER.



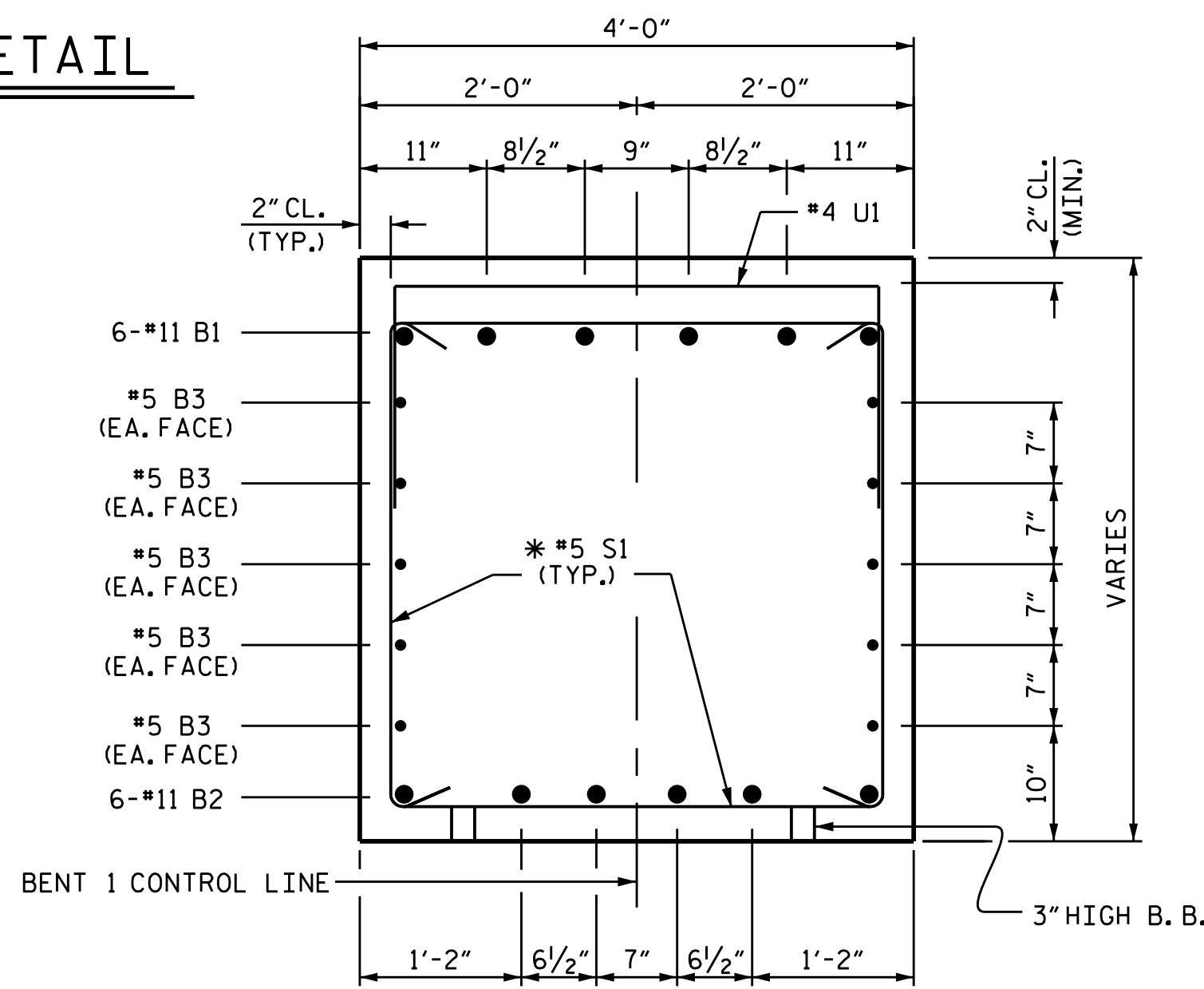
END ELEVATION



CONSTRUCTION JOINT DETAIL

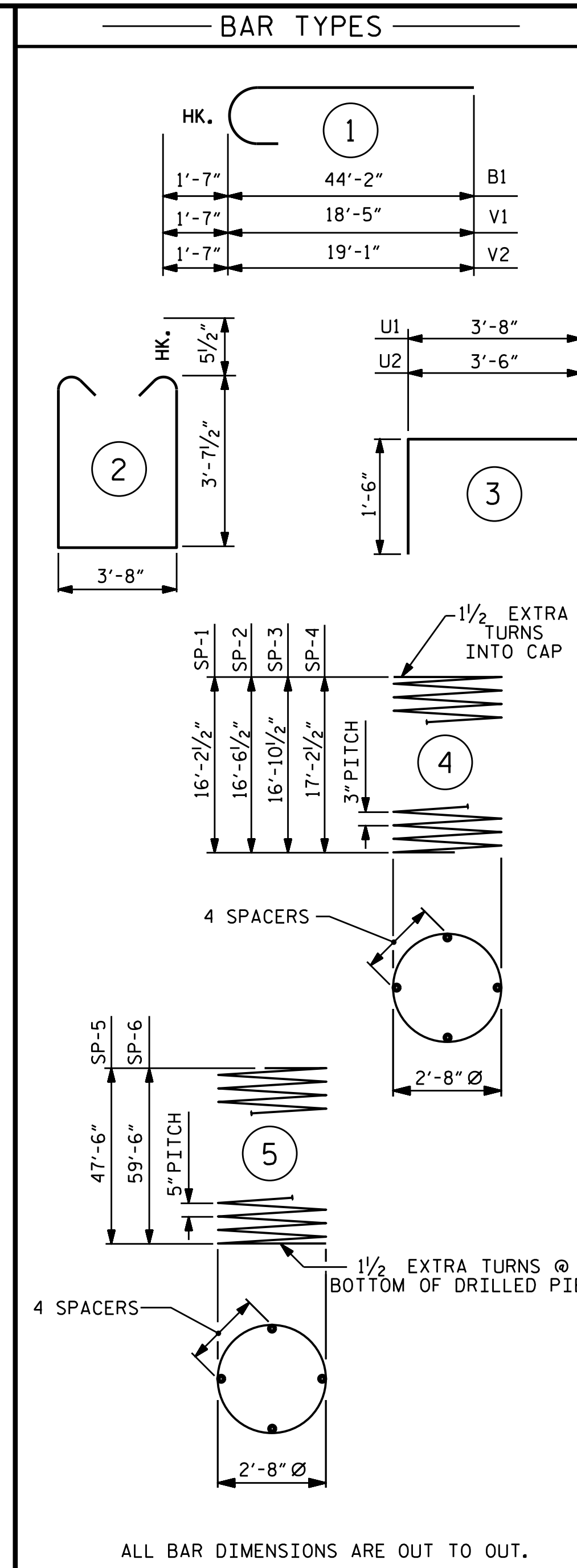


END OF CAP VIEW



SECTION A-A

* INVERT ALTERNATE STIRRUPS

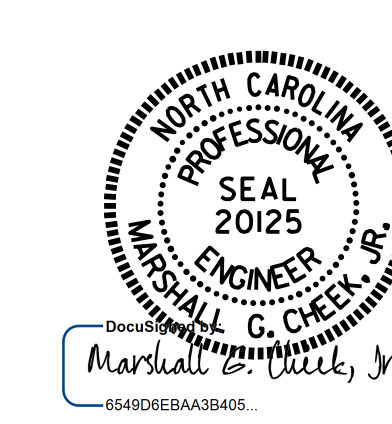


BILL OF MATERIAL

BENT 1					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	12	#11		45'-9"	2917
B2	12	#11	STR	42'-3"	2694
B3	20	#5	STR	38'-6"	803
M1	24	#11	STR	58'-2"	7417
M2	48	#11	STR	38'-10"	9903
S1	84	#5	2	11'-10"	1037
U1	81	#4	3	6'-8"	361
U2	12	#4	3	6'-6"	52
V1	24	#11	1	20'-0"	2550
V2	24	#11	1	20'-8"	2635
REINFORCING STEEL					LBS. 30,369
SP-1	1	*	4	548'-8"	367
SP-2	1	*	4	559'-0"	373
SP-3	1	*	4	569'-4"	380
SP-4	1	*	4	581'-8"	389
SP-5	2	**	5	950'-0"	1982
SP-6	2	**	5	1188'-6"	2479
SPIRAL COLUMN REINFORCING STEEL					LBS. 5,970
* THE SP-1 THROUGH SP-4 SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #4 PLAIN OR DEFORMED BAR.					
** THE SP-5 AND SP-6 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORMED BAR.					
CLASS A CONCRETE BREAKDOWN					
POUR #2 (COLUMNS)				C.Y.	17.2
POUR #3 (CAP)				C.Y.	45.5
TOTAL CLASS A CONCRETE				C.Y.	62.7
DRILLED PIER QUANTITIES					
DRILLED PIER CONCRETE					
POUR #1 (DRILLED PIERS)				C.Y.	77.0
3'-6" DRILLED PIERS IN SOIL				LIN. FT.	154.00
3'-6" DRILLED PIERS NOT IN SOIL				LIN. FT.	62.00
PERMANENT STEEL CASING FOR 3'-6" DRILLED PIERS				LIN. FT.	32.00
SPT TESTING				4 EA.	
CSL TUBES				LIN. FT.	888.00

DRAWN BY: ARIADNE L. PALMA P. DATE: 7-27-16
 CHECKED BY: M.K. BEARD DATE: 8-16-16
 DESIGN ENGINEER OF RECORD: H.A. LOCKLEAR DATE: 6/2017

26-JUL-2017 15:07
 R:\Structures\FINAL PLANS\403.049.U-2579C.SMU.B.025.330702.dgn
 mcheek



7/27/2017

PROJECT NO. U-2579C
 FORSYTH COUNTY
 STATION: 473+70.00 -L-

SHEET 2 OF 2
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUBSTRUCTURE
 BENT 1
 (LEFT LANE)

REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	S3-25	
1			3			TOTAL SHEETS 33	
2			4				

STR #3