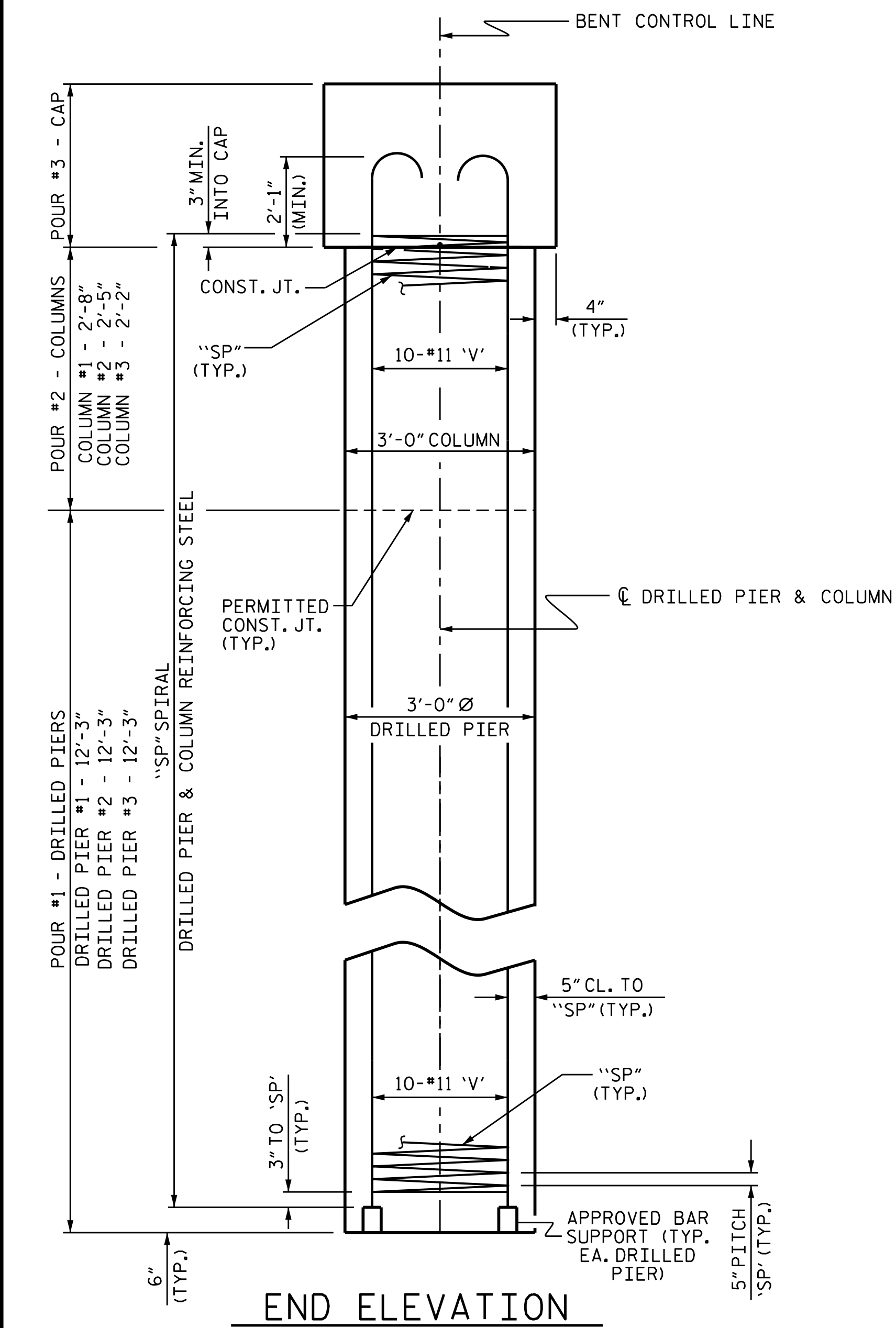
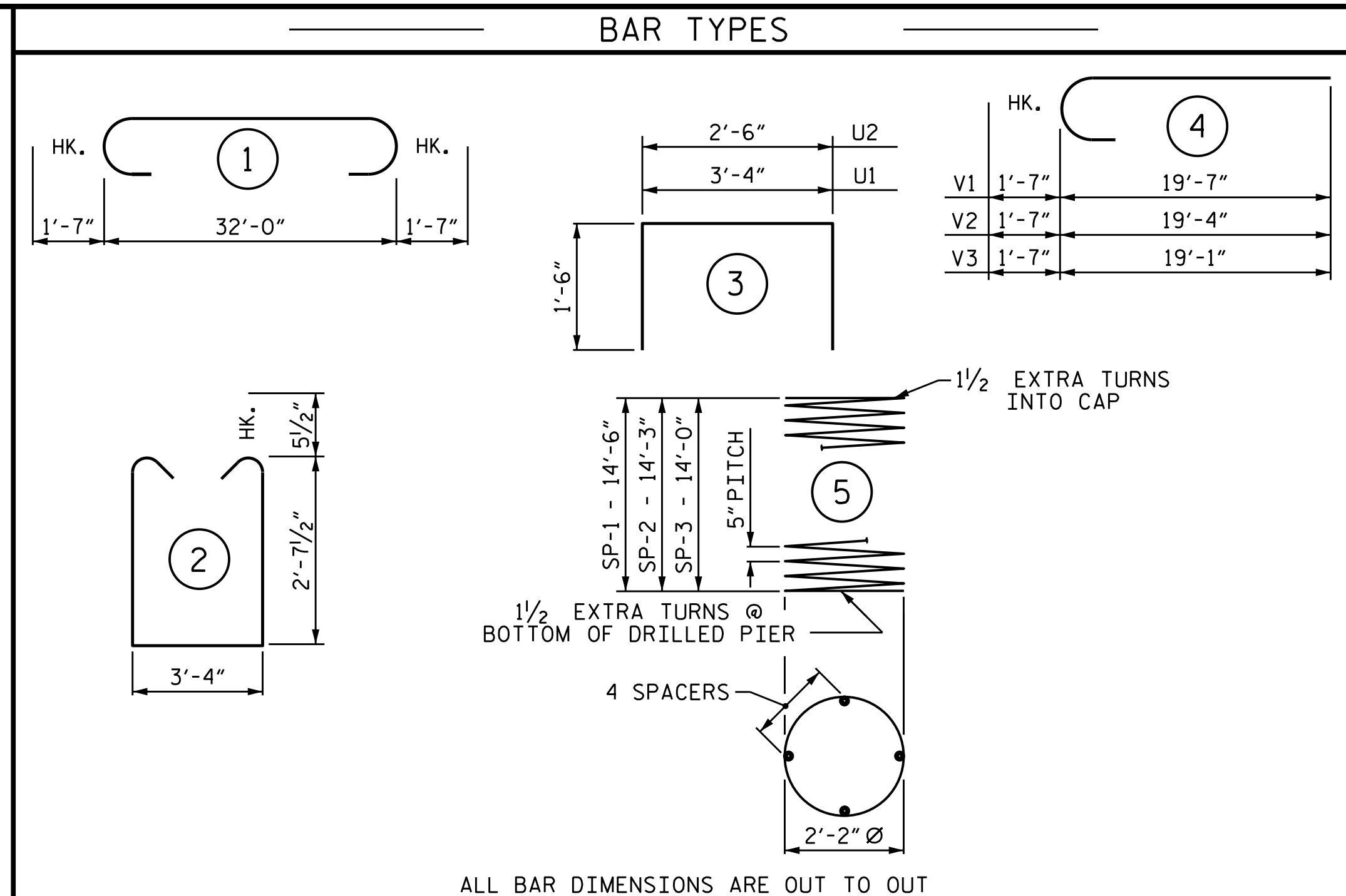


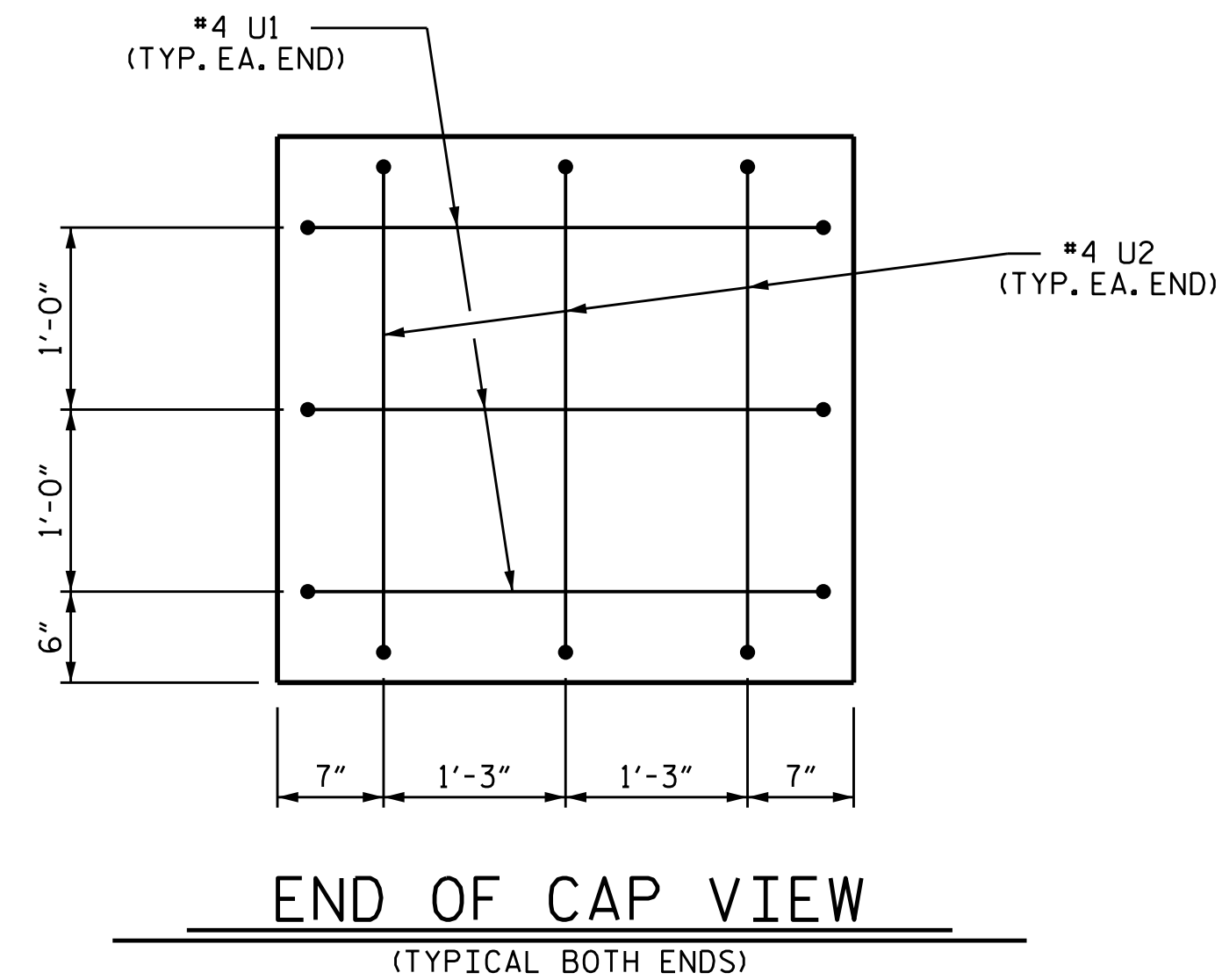
PLAN OF DRILLED PIERS



END ELEVATION

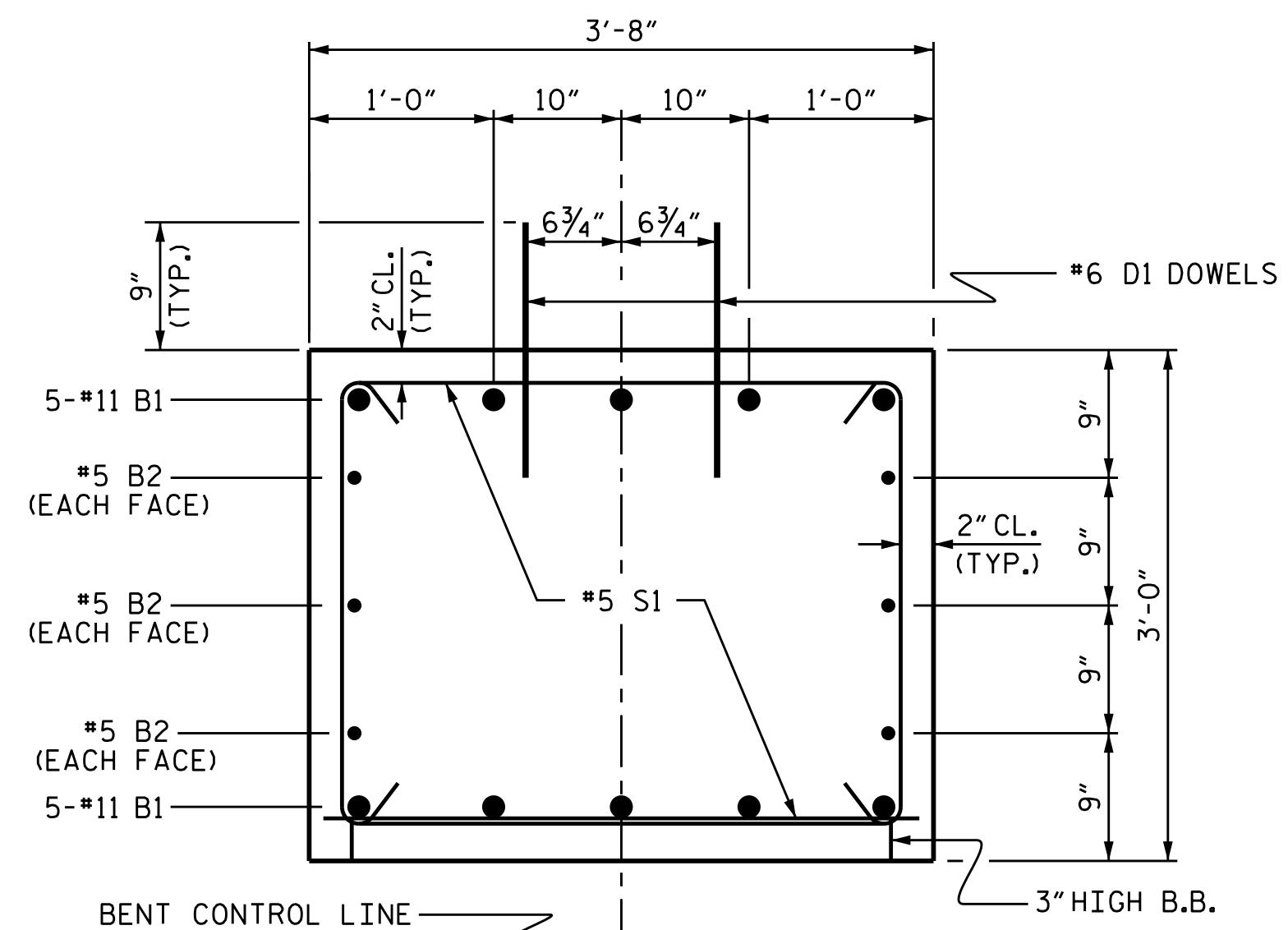


ALL BAR DIMENSIONS ARE OUT TO OUT



END OF CAP VIEW

(TYPICAL BOTH ENDS)



SECTION THRU CAP

BILL OF MATERIAL

FOR BENT NO. 1

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	10	#11	1	35'-2"	1868
B2	6	#5	STR	32'-2"	201
D1	40	#6	STR	1'-6"	90
S1	52	#5	2	9'-0"	488
U1	6	#4	3	5'-8"	23
U2	6	#4	3	5'-6"	22
V1	10	#11	4	21'-2"	1125
V2	10	#11	4	20'-11"	1111
V3	10	#11	4	20'-8"	1098

REINFORCING STEEL 6026 LBS.

SP-1	1	*	5	251'-4"	262
SP-2	1	*	5	248'-0"	259
SP-3	1	*	5	243'-0"	253

SPIRAL COLUMN REINFORCING STEEL 774 LBS.

* THE SP-1, SP-2 AND SP-3 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORMED BAR

CLASS A CONCRETE BREAKDOWN

POUR #3 (CAP)	13.2 C.Y.
POUR #2 (COLUMNS)	1.9 C.Y.
TOTAL CLASS A CONCRETE	15.1 C.Y.

DRILLED PIERS:

DRILLED PIER CONCRETE	
POUR #1 (DRILLED PIERS)	9.6 C.Y.
3'-0" Ø DRILLED PIERS NOT IN SOIL	23.00 LIN. FT.
3'-0" Ø DRILLED PIERS IN SOIL	13.75 LIN. FT.
PERMANENT STEEL CASING FOR 3'-0" Ø DRILLED PIERS	15.69 LIN. FT.
CSL TUBES	165.00 LIN. FT.

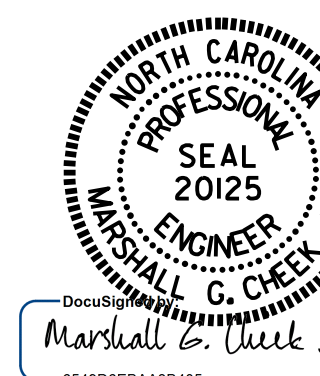
CSL TESTING EA. 1

PROJECT NO. B-5159
JACKSON COUNTY
STATION: 10+91.50 -L-

SHEET 2 OF 2

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE
BENT No. 1



4/21/2017

REVISIONS

NO.	BY:	DATE:	NO.	BY:	DATE:	SHEET NO.
1			3			S-15
2			4			TOTAL SHEETS 17

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ASSEMBLED BY :	G.KOUCHEKI	DATE :	11/29/16
CHECKED BY :	E.K. POPE	DATE :	11/29/16
DRAWN BY :	DGE 03/10		
CHECKED BY :	MKT 03/10		