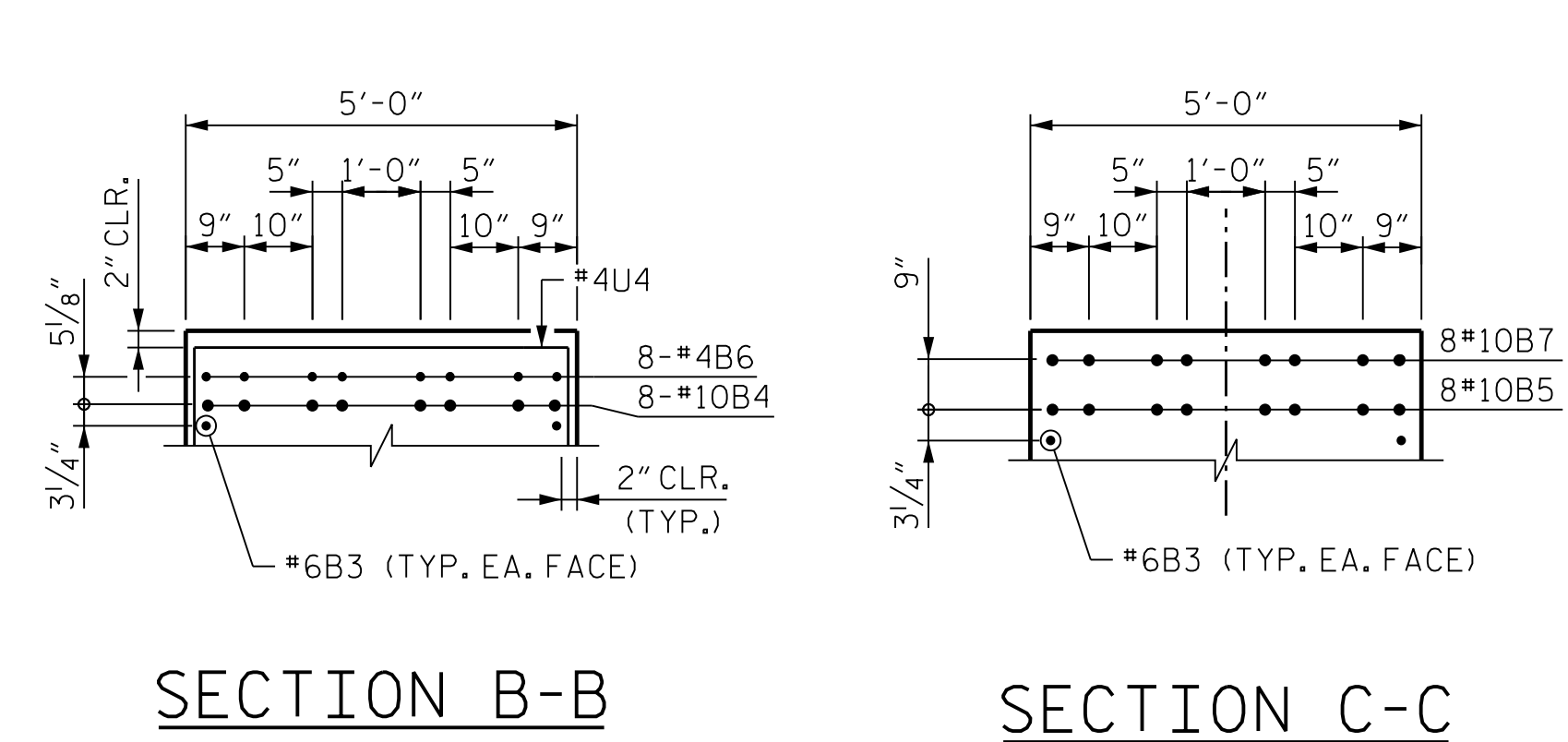
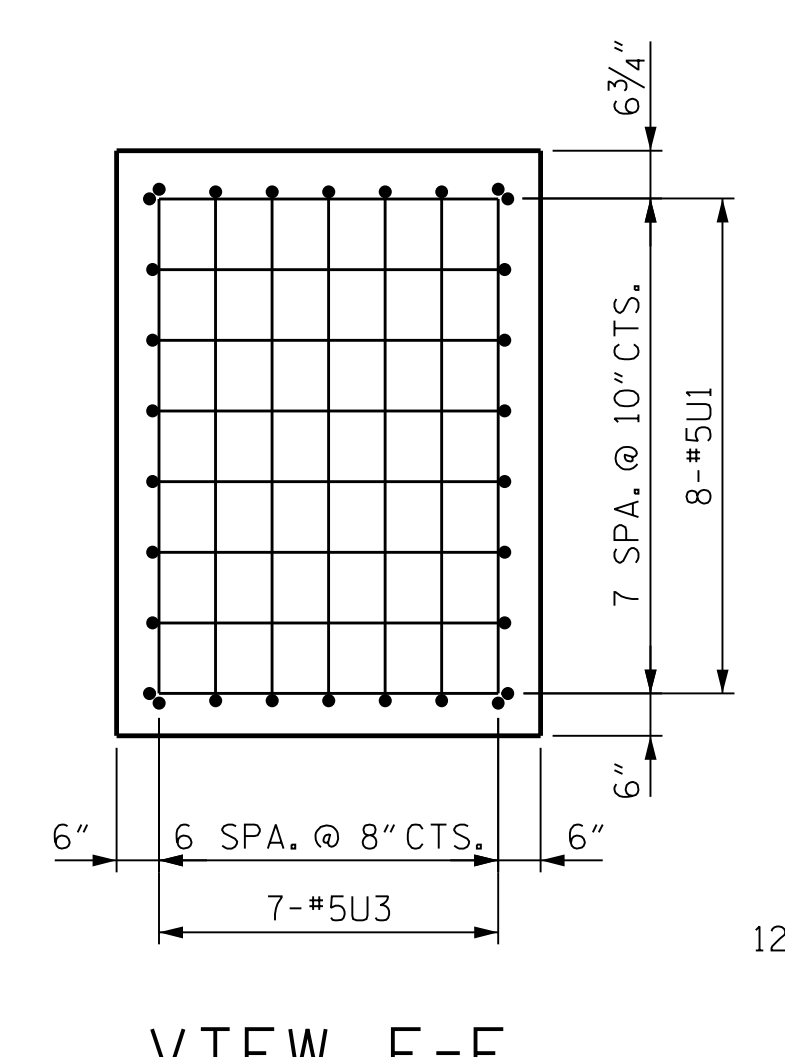
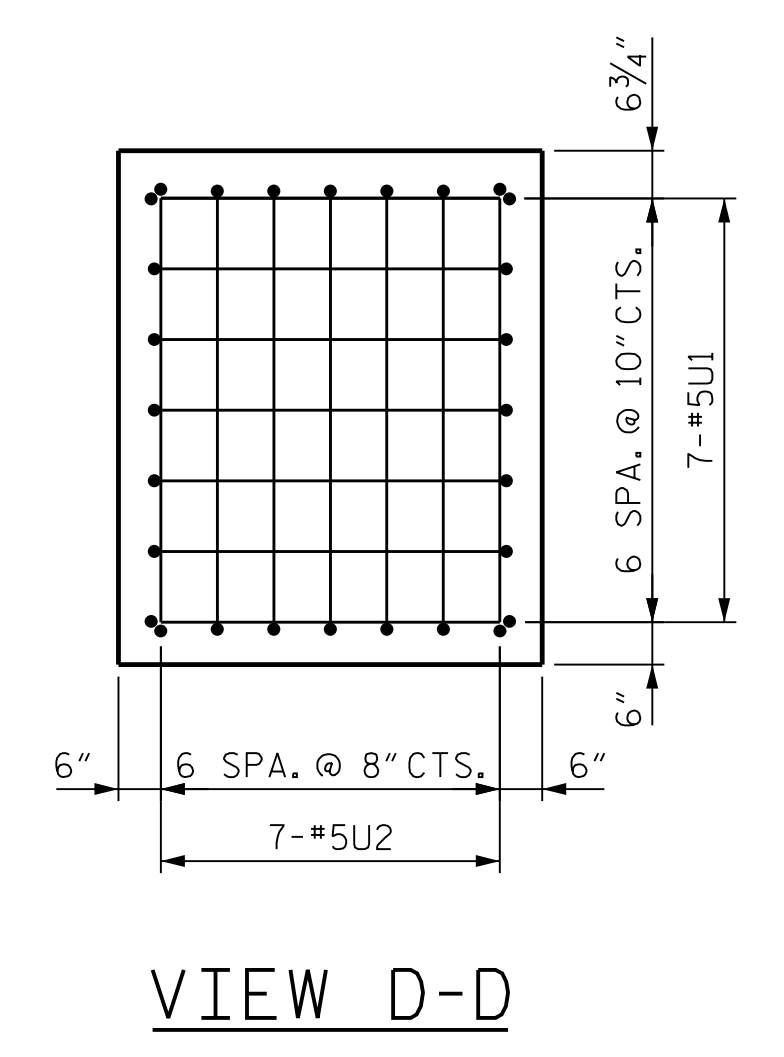
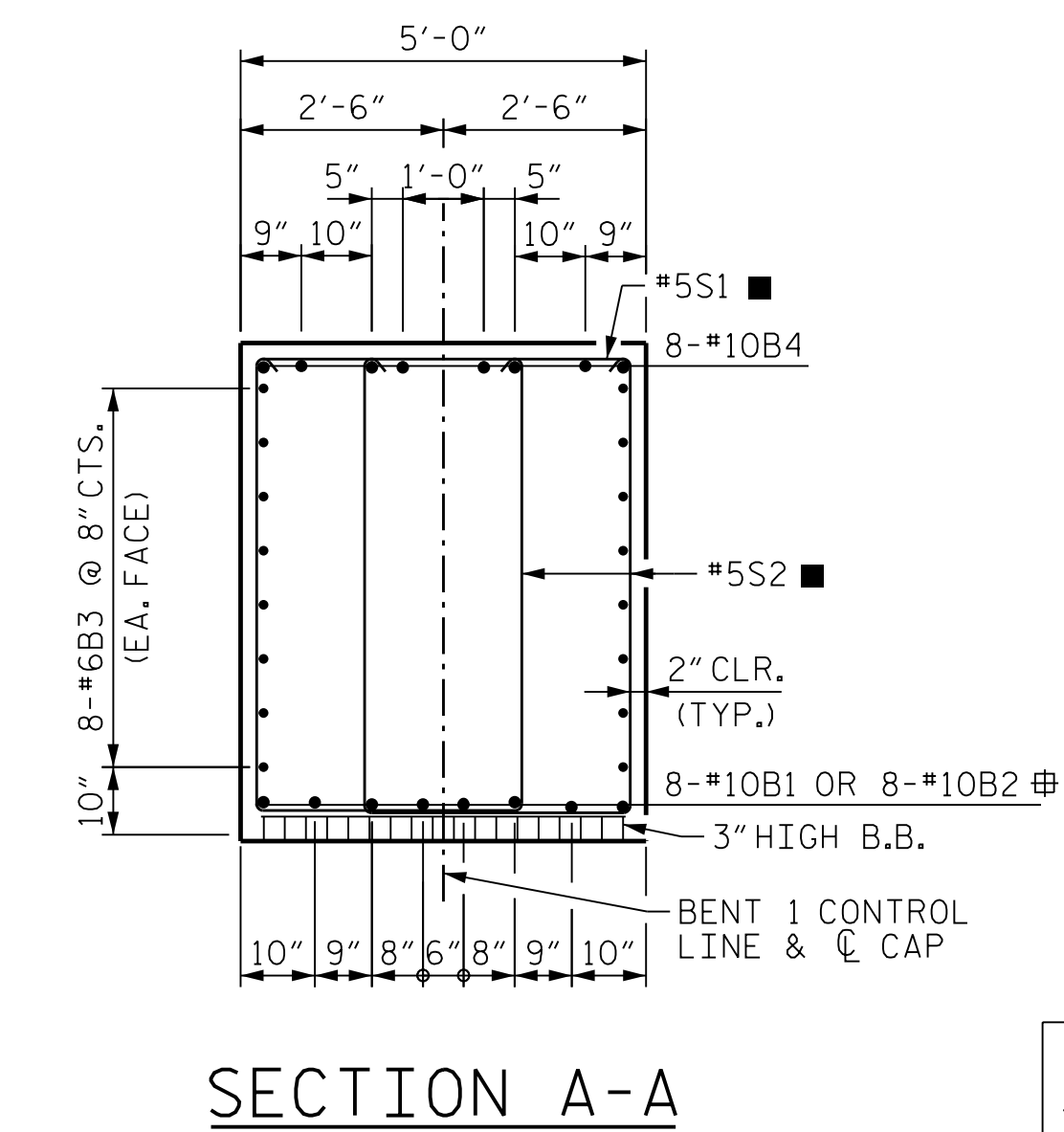
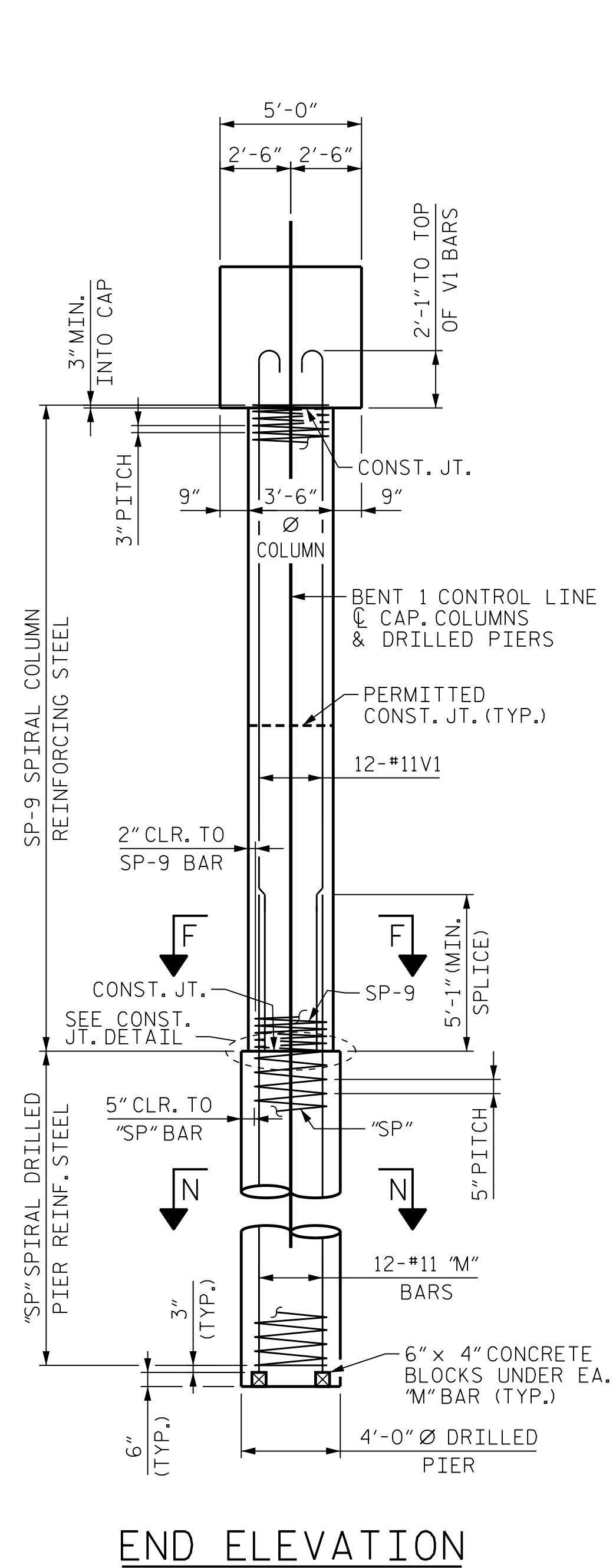
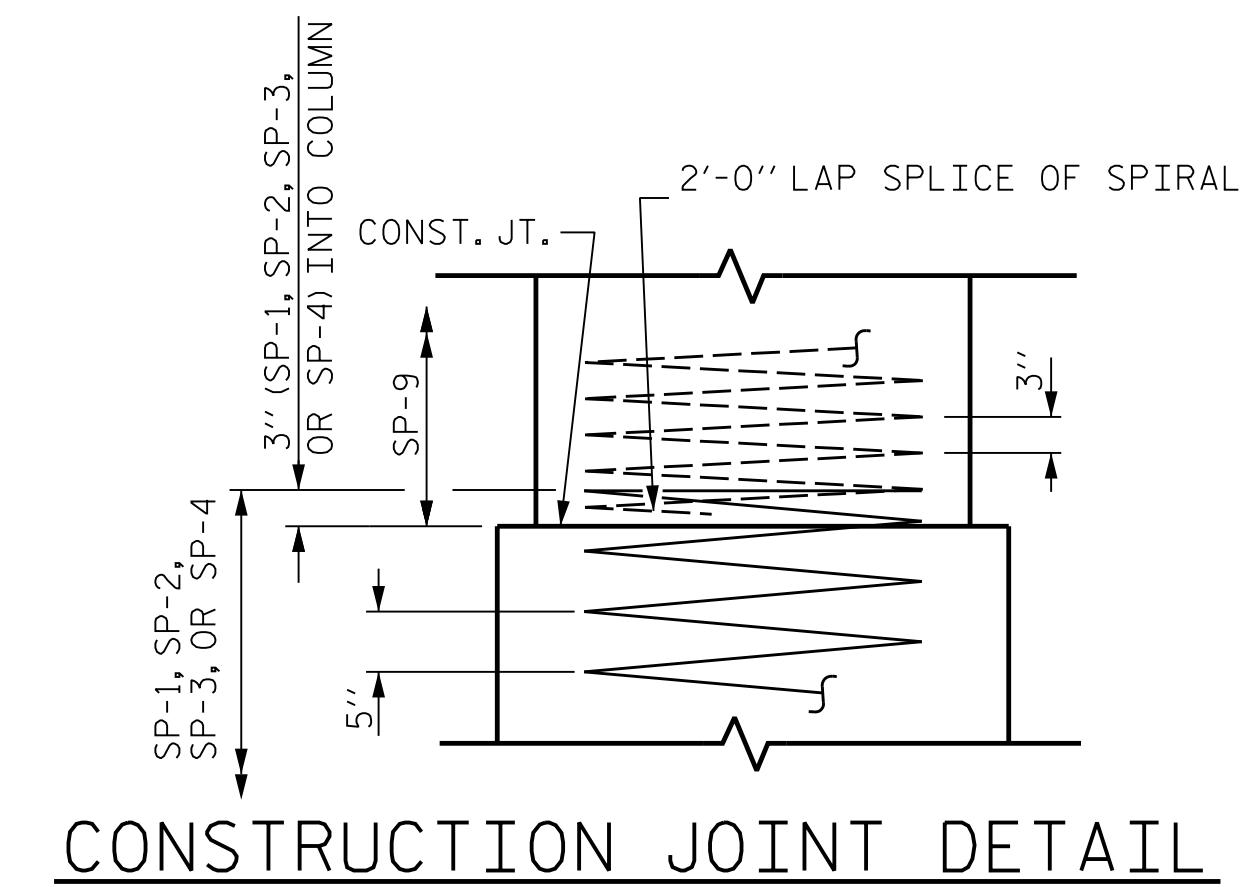
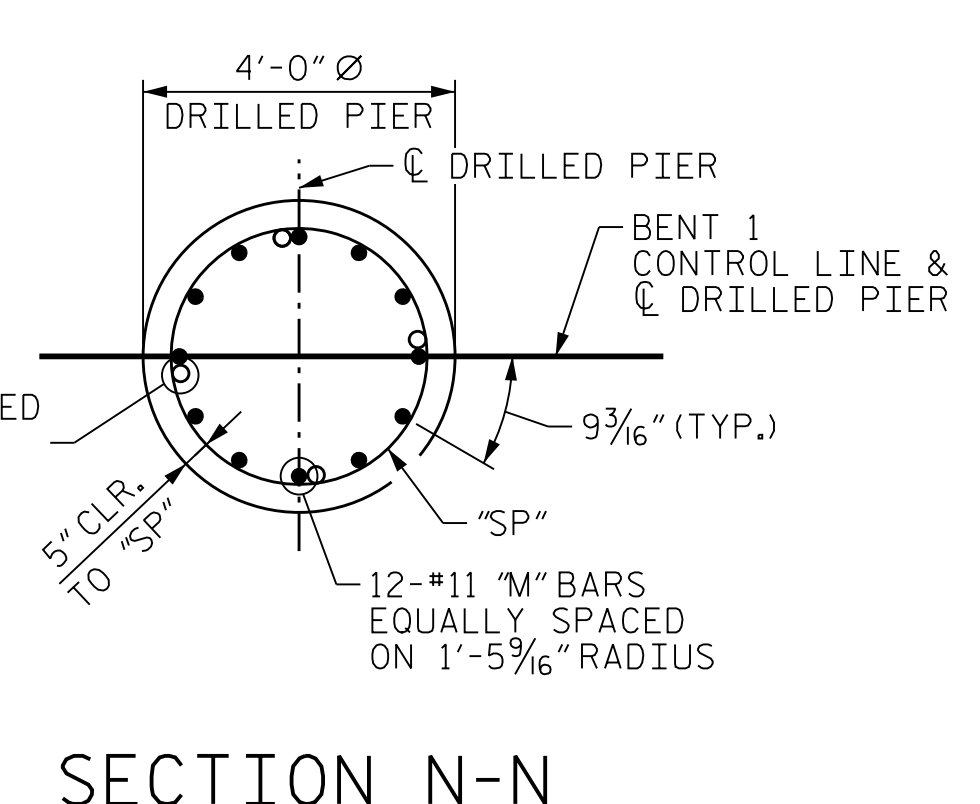
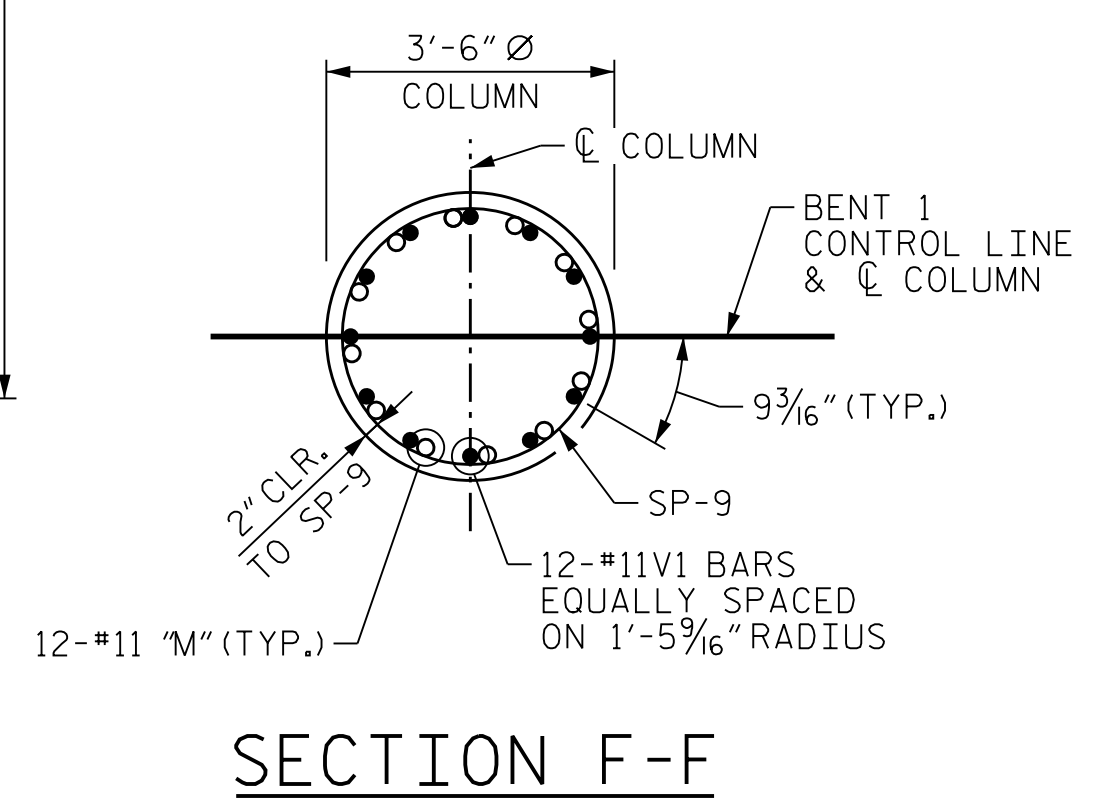


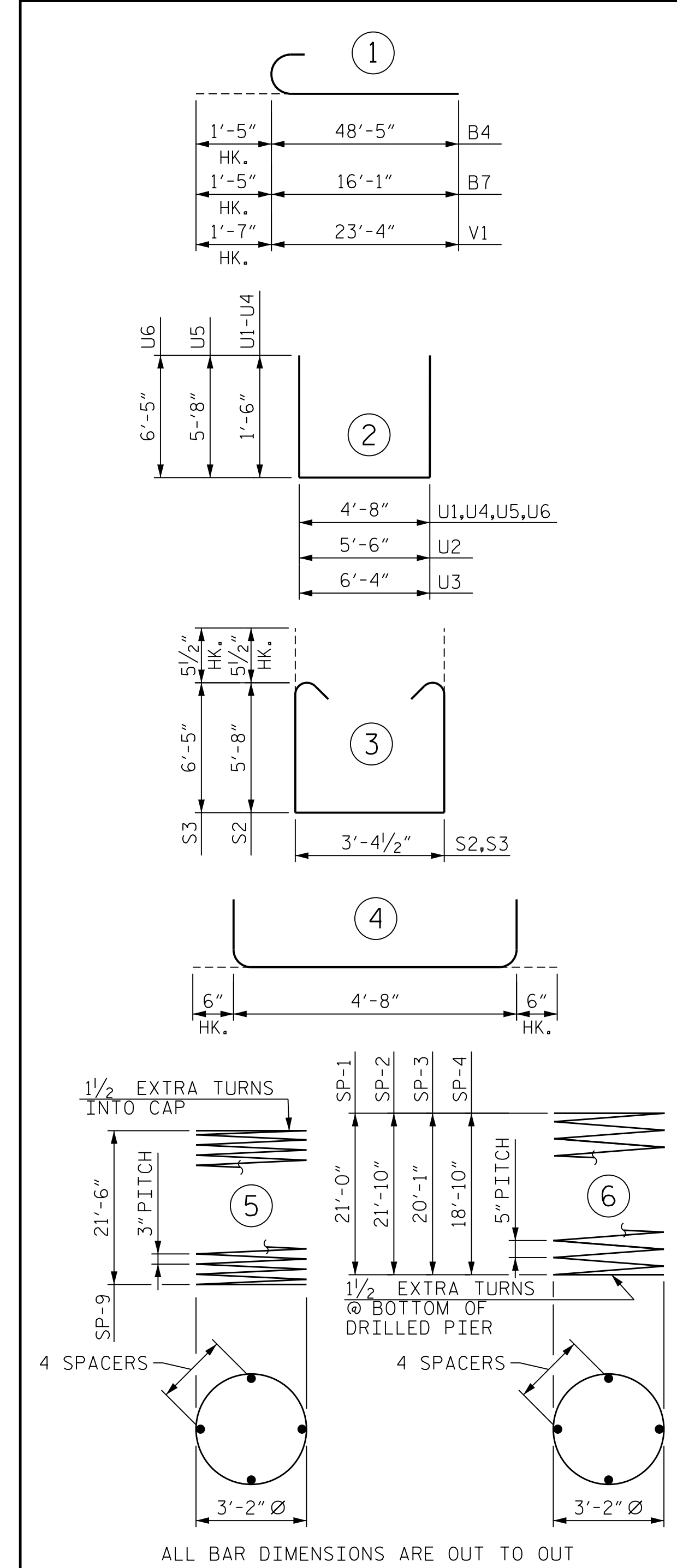
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 USER: PPETERSO DATE: 10/14/2021
 FILE: ...SUBSTRUCTURE BENT
 PENTABLE: NCDOT STRUCTURES DEFAULT PEN.tbl
 TIME: 3:51:34 PM



■ = INVERT ALTERNATE STIRRUPS
 ⊕ = STAGGER LOCATIONS OF #10B1 AND #10B2 BAR SPLICES



BAR TYPES



BILL OF MATERIAL

BENT 1A					
BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	
B1	8	#10	STR	38'-5"	1323
B2	8	#10	STR	51'-2"	1762
B3	32	#6	STR	42'-9"	2055
B4	8	#10	1	49'-10"	1716
B5	8	#10	STR	44'-6"	1532
B6	8	#4	STR	34'-0"	182
B7	8	#10	1	17'-6"	603
M1	12	#11	STR	29'-1"	1855
M2	12	#11	STR	29'-11"	1908
M3	12	#11	STR	28'-2"	1796
M4	12	#11	STR	26'-11"	1717
S1	93	#5	4	5'-8"	550
S2	150	#5	3	15'-8"	2452
S3	36	#5	3	17'-2"	645
U1	15	#5	2	7'-8"	120
U2	7	#5	2	8'-6"	63
U3	7	#5	2	9'-4"	69
U4	129	#4	2	7'-8"	661
U5	15	#5	2	16'-0"	251
U6	5	#5	2	17'-6"	92
V1	48	#11	1	24'-11"	6355

REINFORCING STEEL LBS. 27,707

BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	
SP-1	1	**	6	508'-4"	531
SP-2	1	**	6	527'-11"	551
SP-3	1	**	6	486'-9"	508
SP-4	1	**	6	457'-5"	478
SP-9	4	*	5	859'-4"	2297

SPIRAL REINF. STEEL LBS. 4365

CLASS A CONCRETE		
POUR 2 (COLUMNS)	CU. YDS.	30.3
POUR 3 (CAP)	CU. YDS.	98.5

TOTAL CLASS A CONCRETE CU. YDS. 128.8

DRILLED PIER CONCRETE		
POUR 1 (DRILLED PIERS)	CU. YDS.	38.9

CSL TUBES LIN. FT. 359.0

* THE SP-9 SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #4 PLAIN OR DEFORMED BAR.
 ** THE SP-1, SP-2, SP-3 AND SP-4 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORMED BAR.

PROJECT NO. U-2579AB

FORSYTH COUNTY

STATION: 47+28.33 -Y15REV-

SHEET 3 OF 4



Domini A. Coletti 10/18/2021

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
SUBSTRUCTURE BENT 1A
SECTION AND DETAILS

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

SHEET NO. S03-47
 TOTAL SHEETS 61

DES BY: S. NIFONG	DATE: 03/19	DWG BY: M. SELLS	DATE: 03/19
DES CHK: J. ROBERTS	DATE: 03/19	CHK BY: S. NIFONG	DATE: 03/19

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED