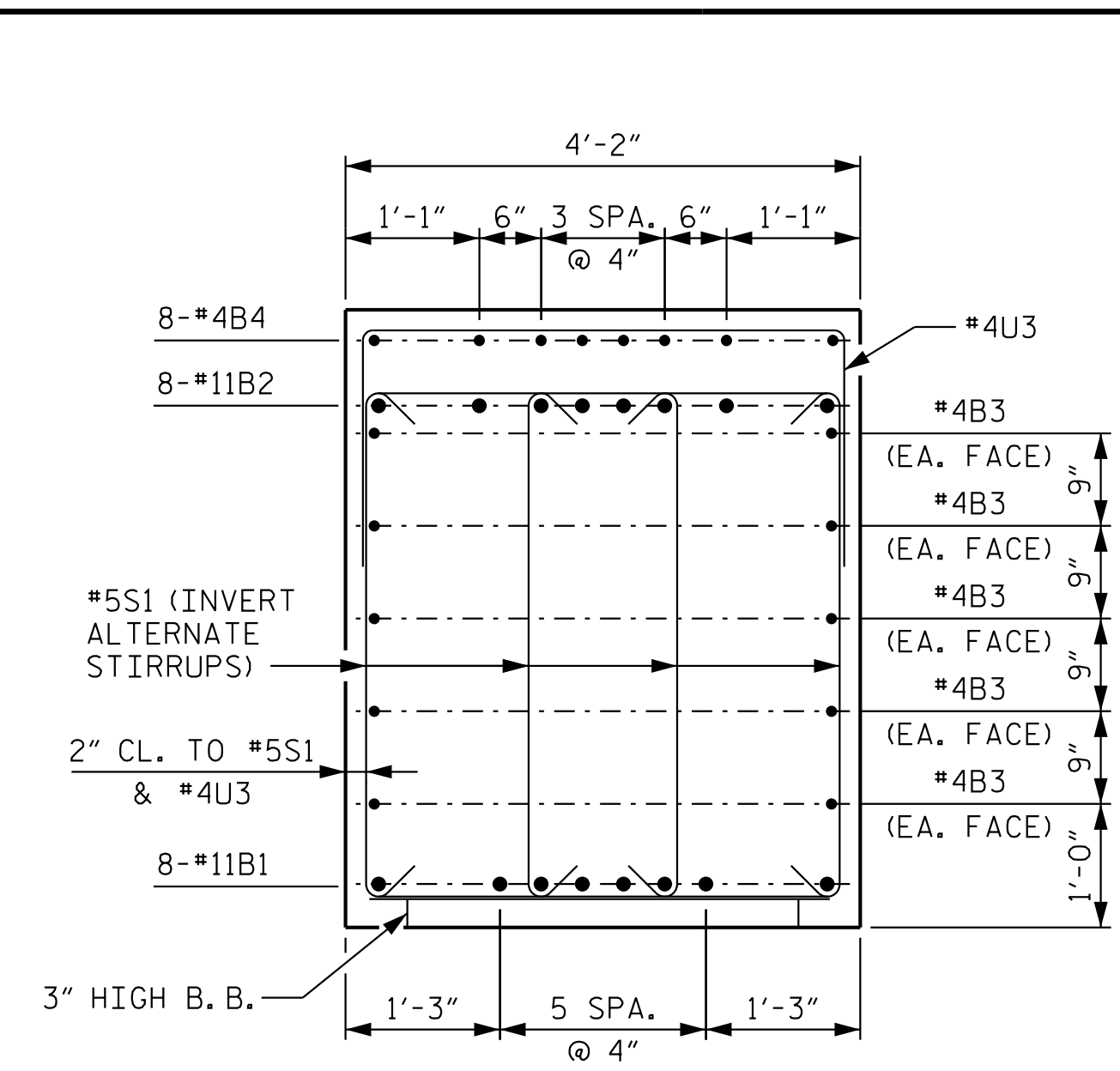
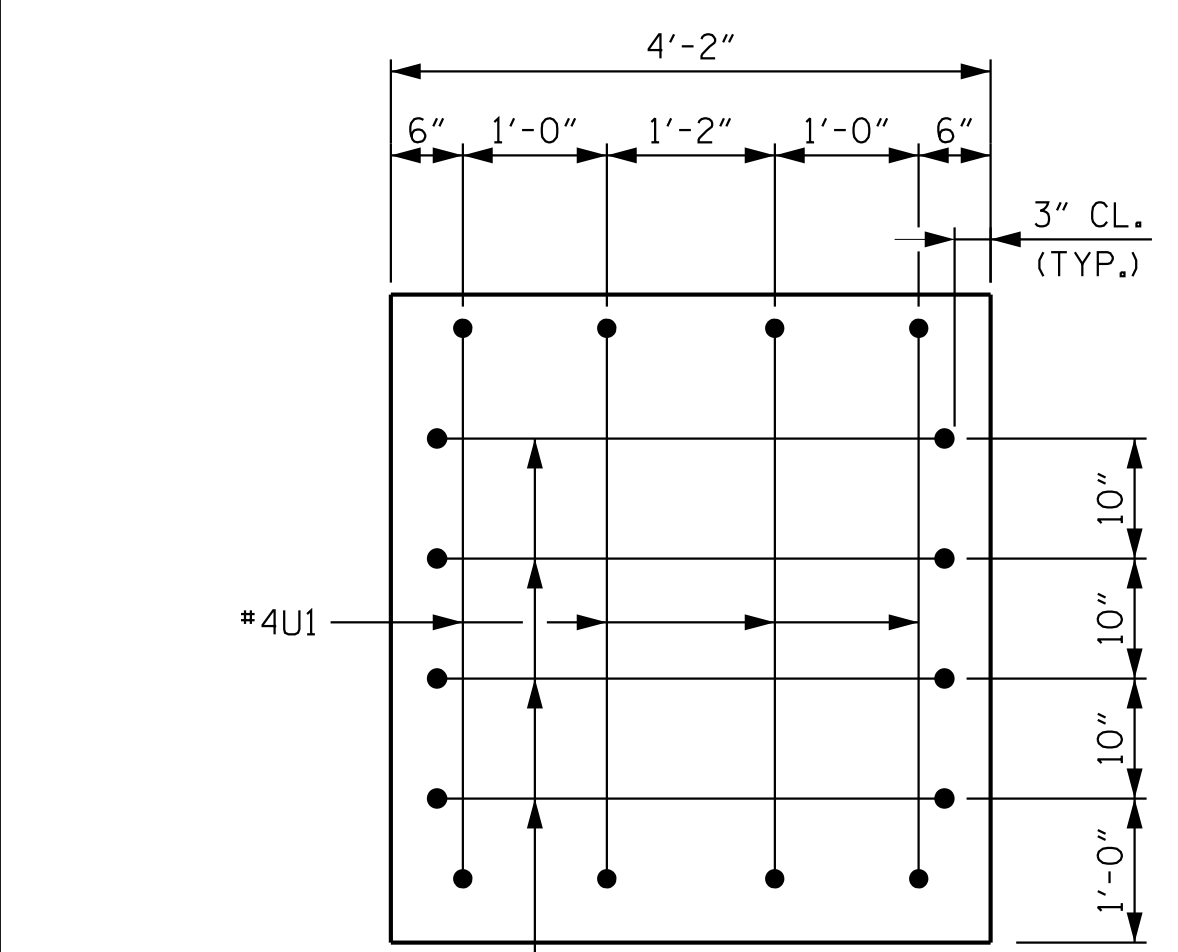


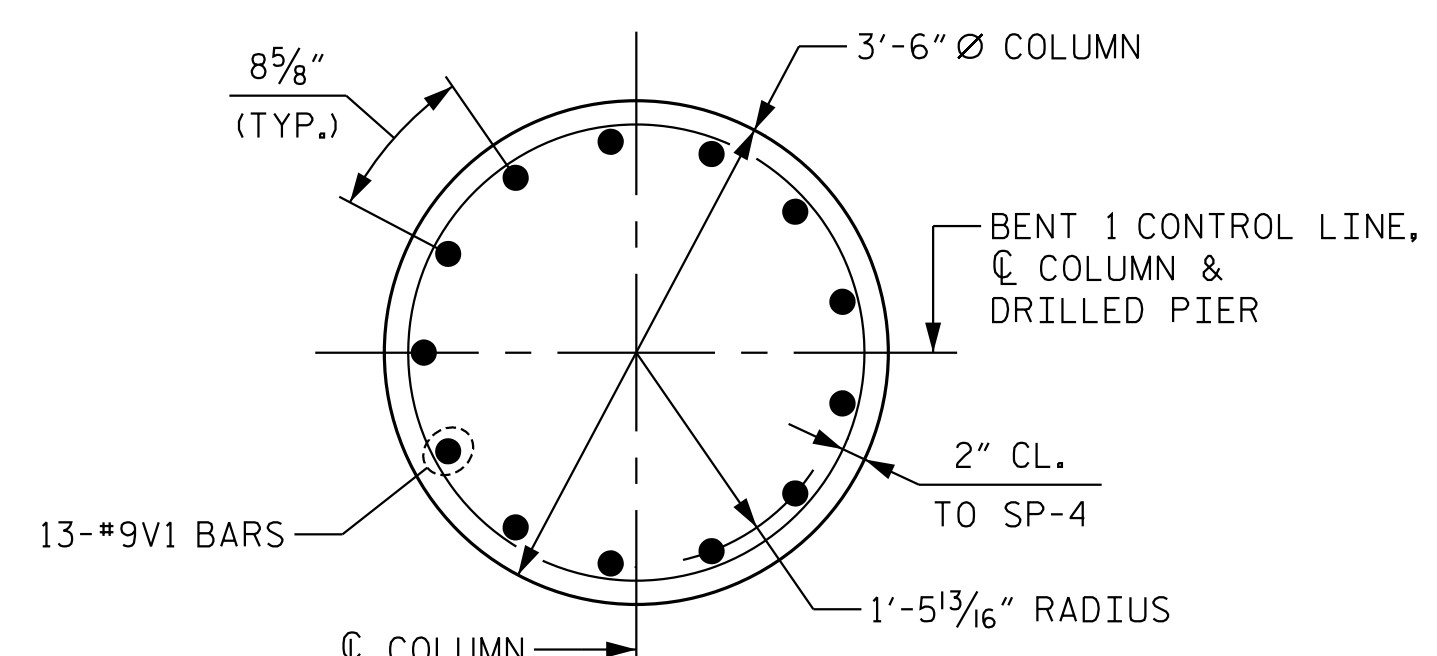
SECTION A-A



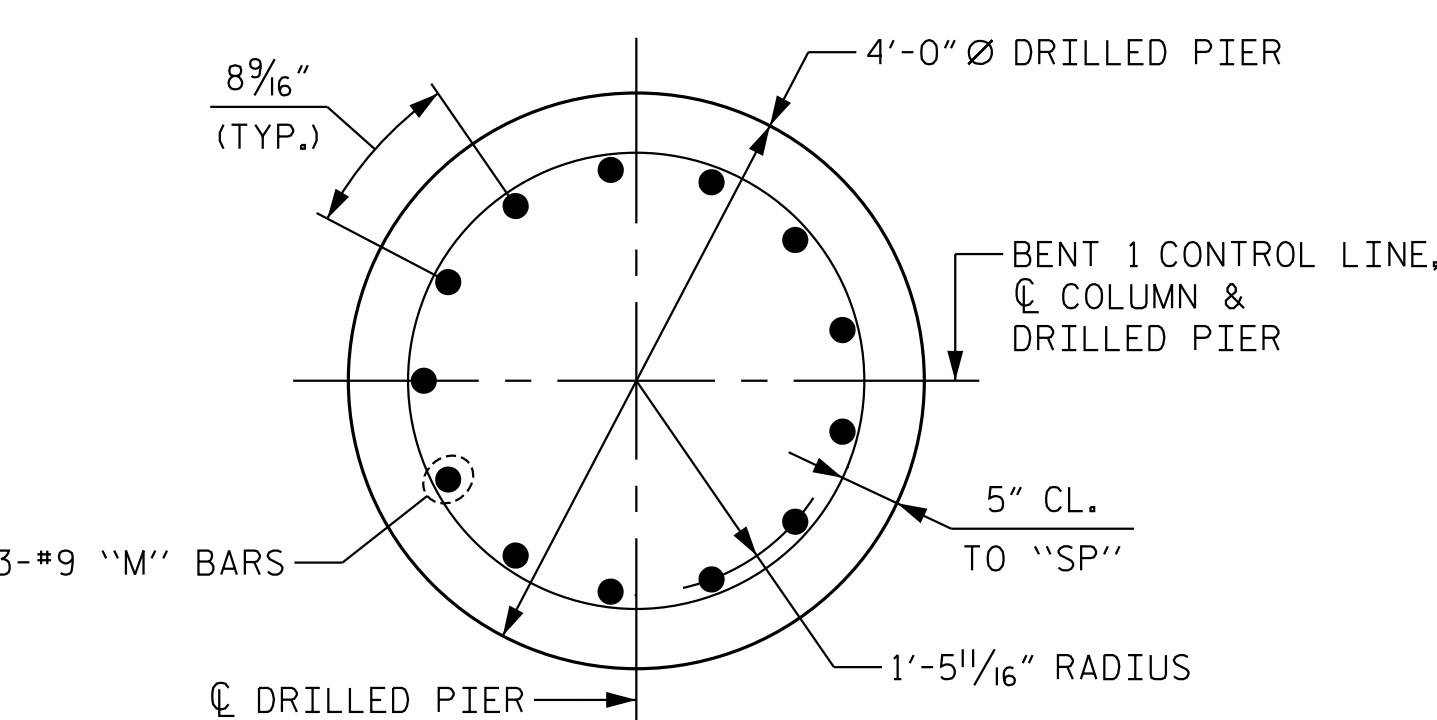
SECTION B-B



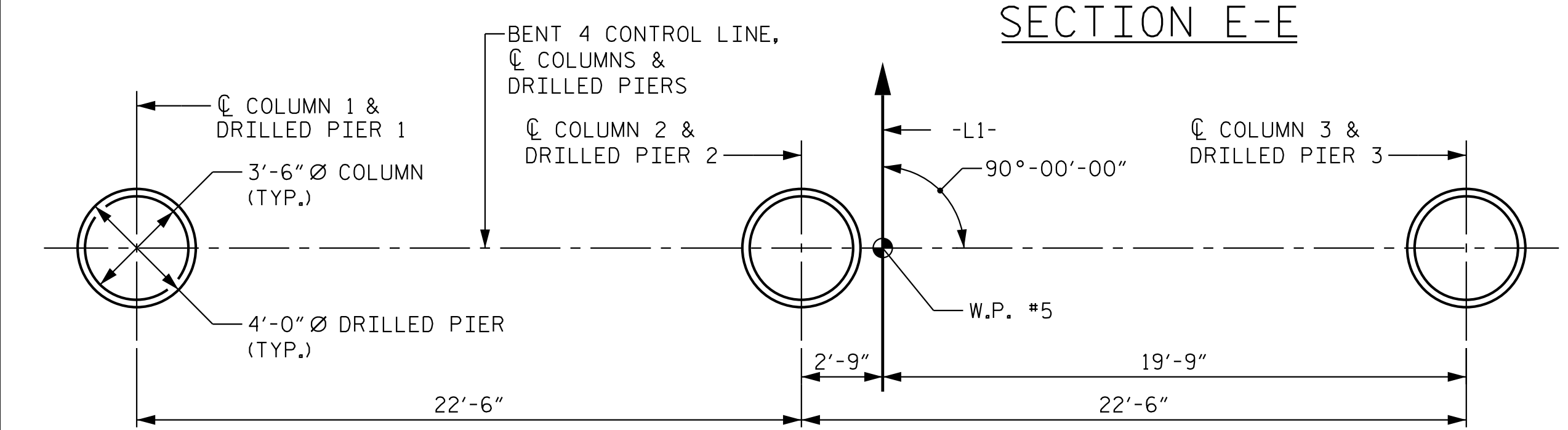
VIEW X-X
(LEFT END SHOWN, RIGHT END SIMILAR)



SECTION D-D

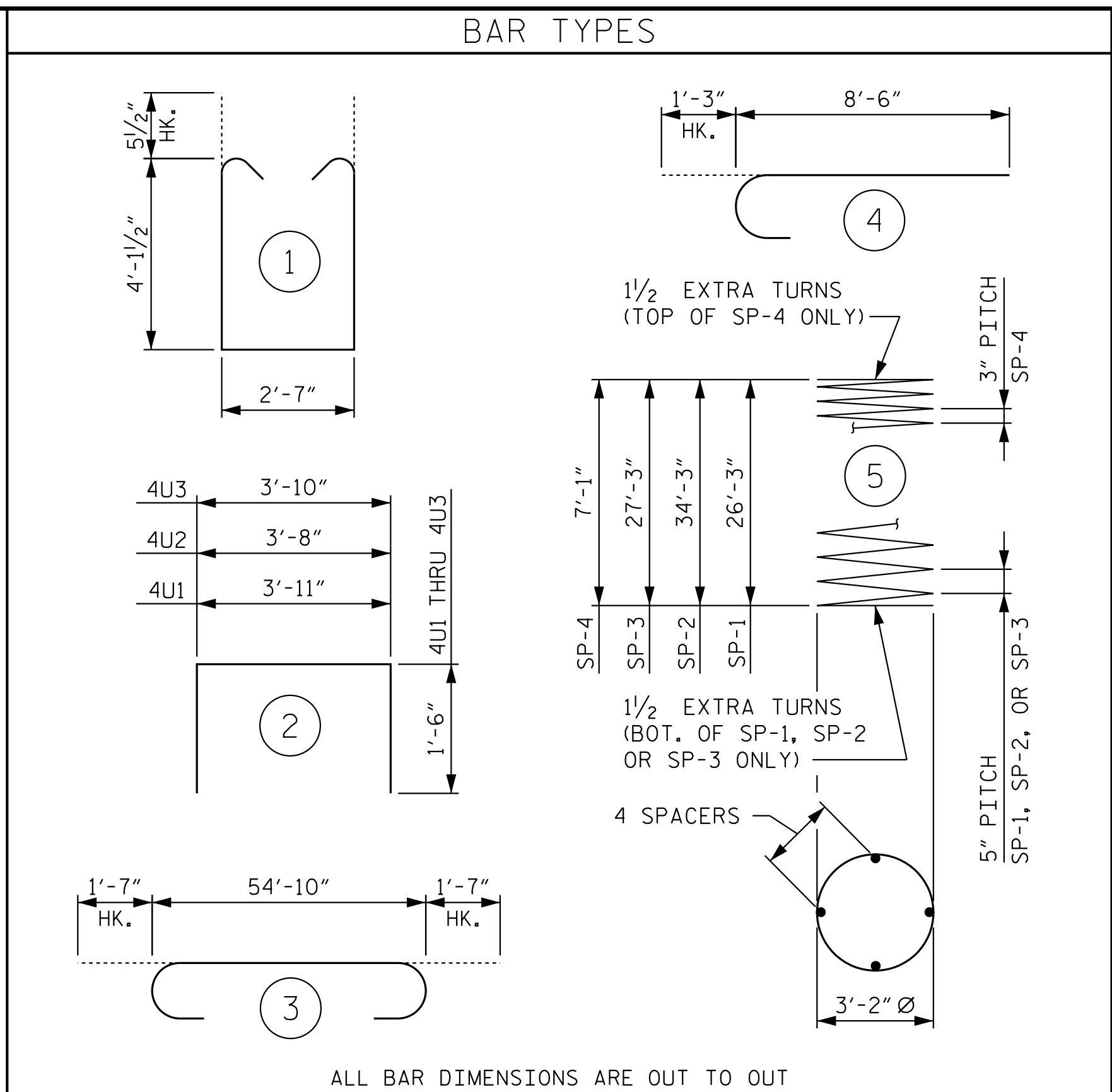


SECTION E-E

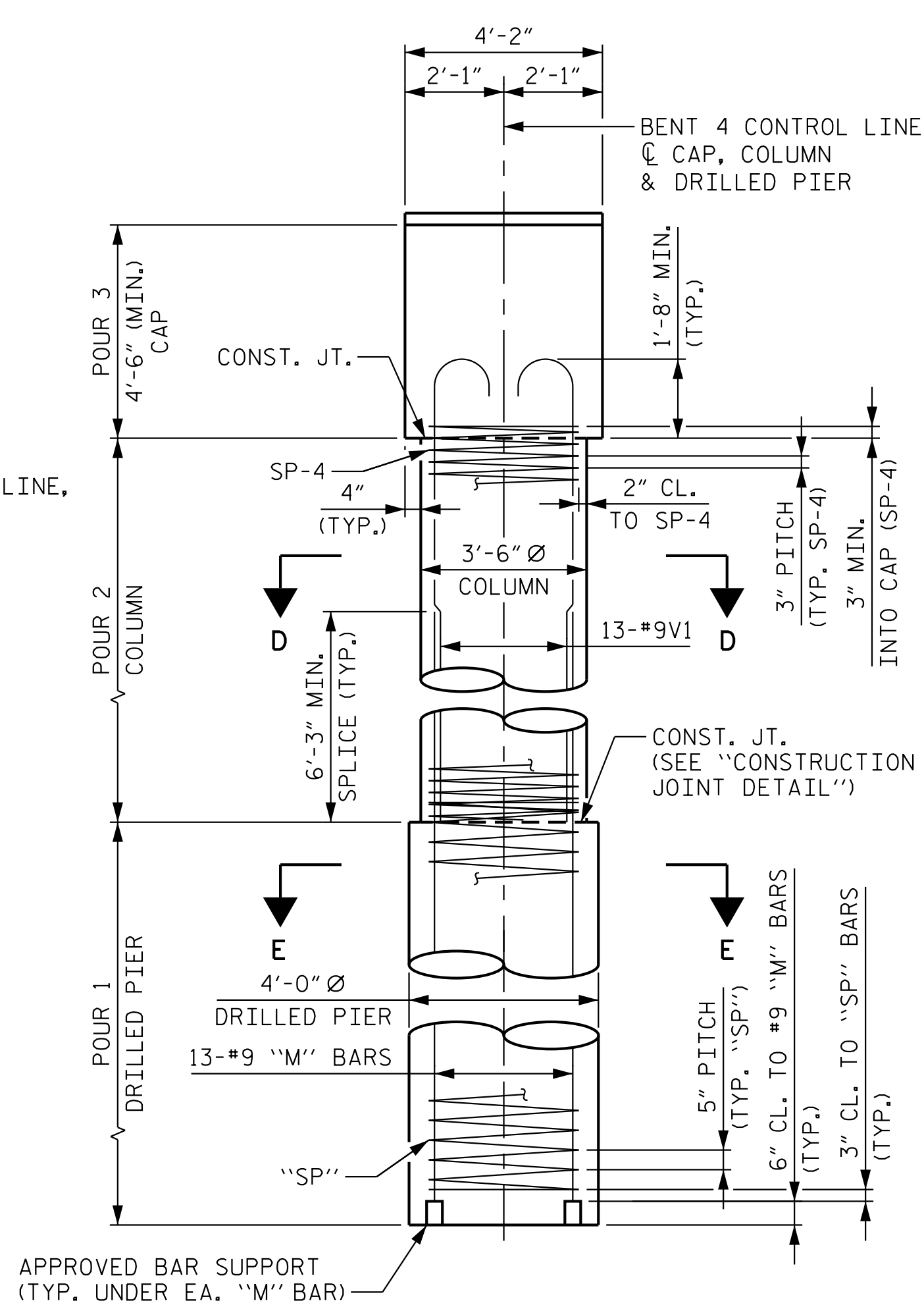


PLAN OF DRILLED PIERS & COLUMNS

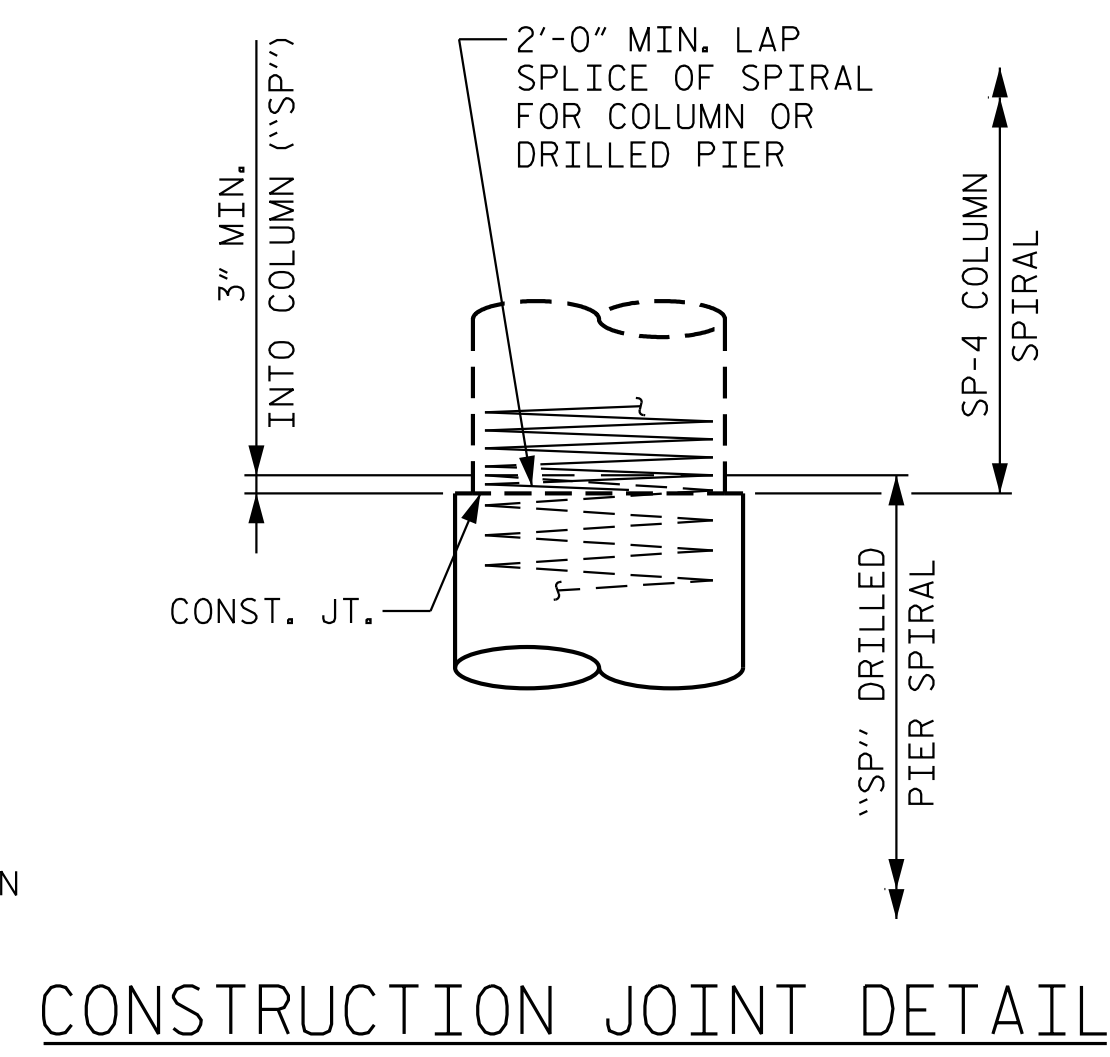
DRAWN BY: D. D. LOWERY DATE: 03/18
 CHECKED BY: C. I. POOLE DATE: 03/18
 DESIGN ENGINEER OF RECORD: S. A. DENNEY DATE: 03/18



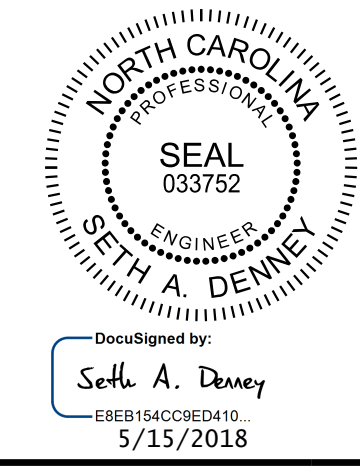
ALL BAR DIMENSIONS ARE OUT TO OUT



END ELEVATION



CONSTRUCTION JOINT DETAIL



Kimley-Horn
 421 Fayetteville Street, Suite 600
 Raleigh, NC 27601-1772
 Phone (919) 677-2000 NC LICENSE # F-0102

BILL OF MATERIAL					
BENT 4					
BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	
B1	8	11	STR	54'-10"	2331
B2	8	11	3	58'-0"	2465
B3	20	4	STR	28'-8"	383
B4	24	4	STR	10'-2"	163
B5	8	4	STR	4'-0"	21
M1	13	9	STR	35'-6"	1569
M2	13	9	STR	43'-6"	1923
M3	13	9	STR	36'-5"	1610
S1	152	5	1	11'-9"	1863
U1	8	4	2	6'-11"	37
U2	8	4	2	6'-8"	36
U3	68	4	2	6'-10"	310
V1	39	9	4	9'-9"	1293
REINFORCING STEEL			14,004 LBS.		
SP-1	1	**	5	631'-9"	659
SP-2	1	**	5	819'-9"	855
SP-3	1	**	5	655'-3"	683
SP-4	3	*	5	293'-0"	587
SPIRAL REINFORCING STEEL			2,784 LBS.		
** THE "SP" SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORMED BAR.					
* THE "SP" SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #4 PLAIN OR DEFORMED BAR.					

BENT 4 TOTAL QUANTITIES		
CLASS A CONCRETE		
POUR 2 (COLUMNS)	C.Y.	7.2
POUR 3 (CAP)	C.Y.	40.7
TOTAL CLASS A CONCRETE		C.Y. 47.9
DRILLED PIERS, CONCRETE		
POUR 1	C.Y.	41.5
4'-0" Ø DRILLED PIERS IN SOIL	LIN. FT.	64.1
4'-0" Ø DRILLED PIERS NOT IN SOIL	LIN. FT.	25.0
CSL TUBES	LIN. FT.	374.4
PERMANENT STEEL CASING FOR 4'-0" Ø DRILLED PIERS	LIN. FT.	38.1

PROJECT NO. R-3822
 HALIFAX COUNTY
 STATION: 99+17.60 -L1-

SHEET 2 OF 2

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
SUBSTRUCTURE					
BENT 4 SECTIONS AND DETAILS					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

SHEET NO. S-51
 TOTAL SHEETS 58

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

5/14/2018 K:\BIDI_Structures\Bridges\NC\01036392 - R-3822\cadd\Drawn\3822.SMU.BB-410208.dgn