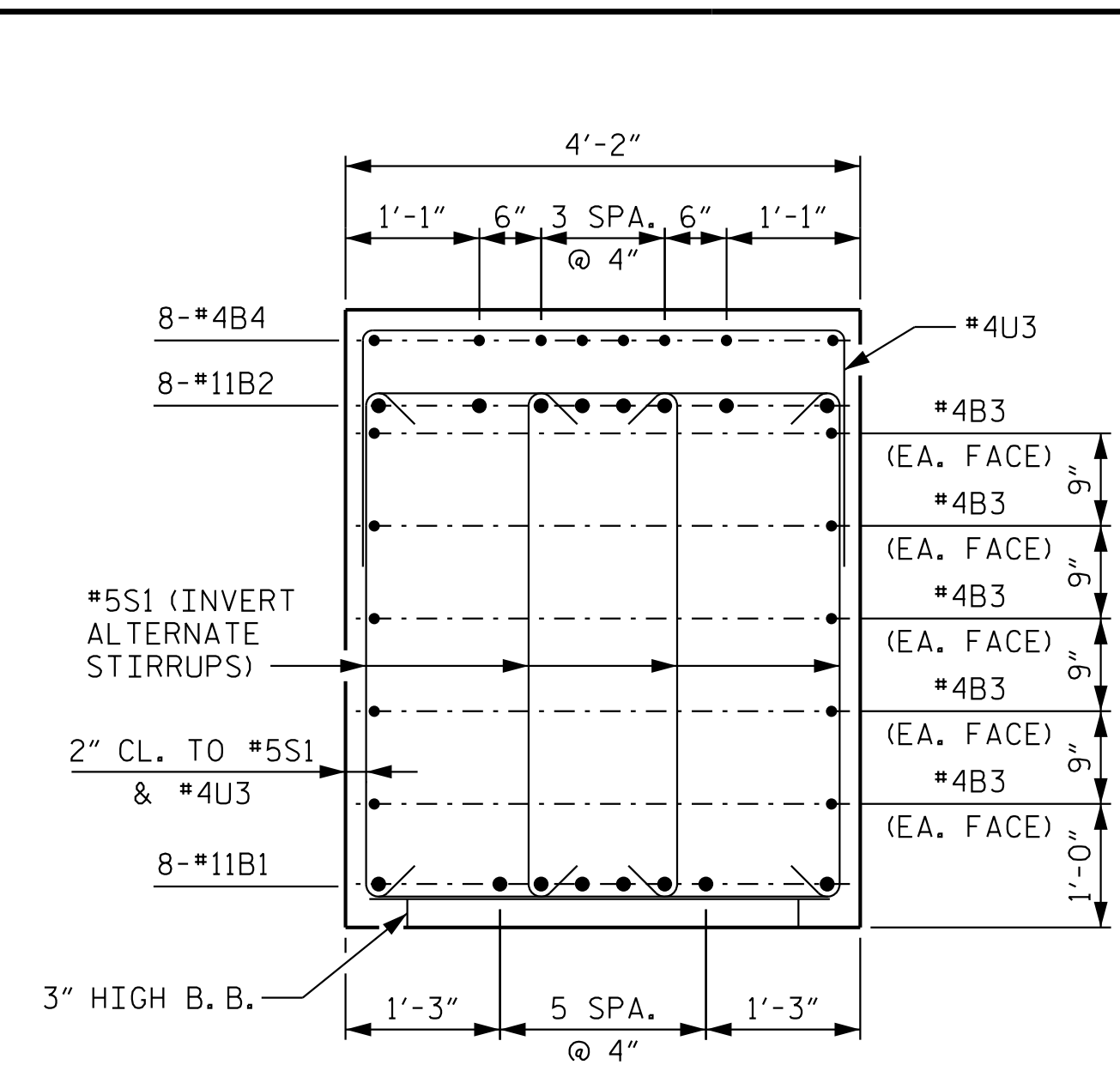
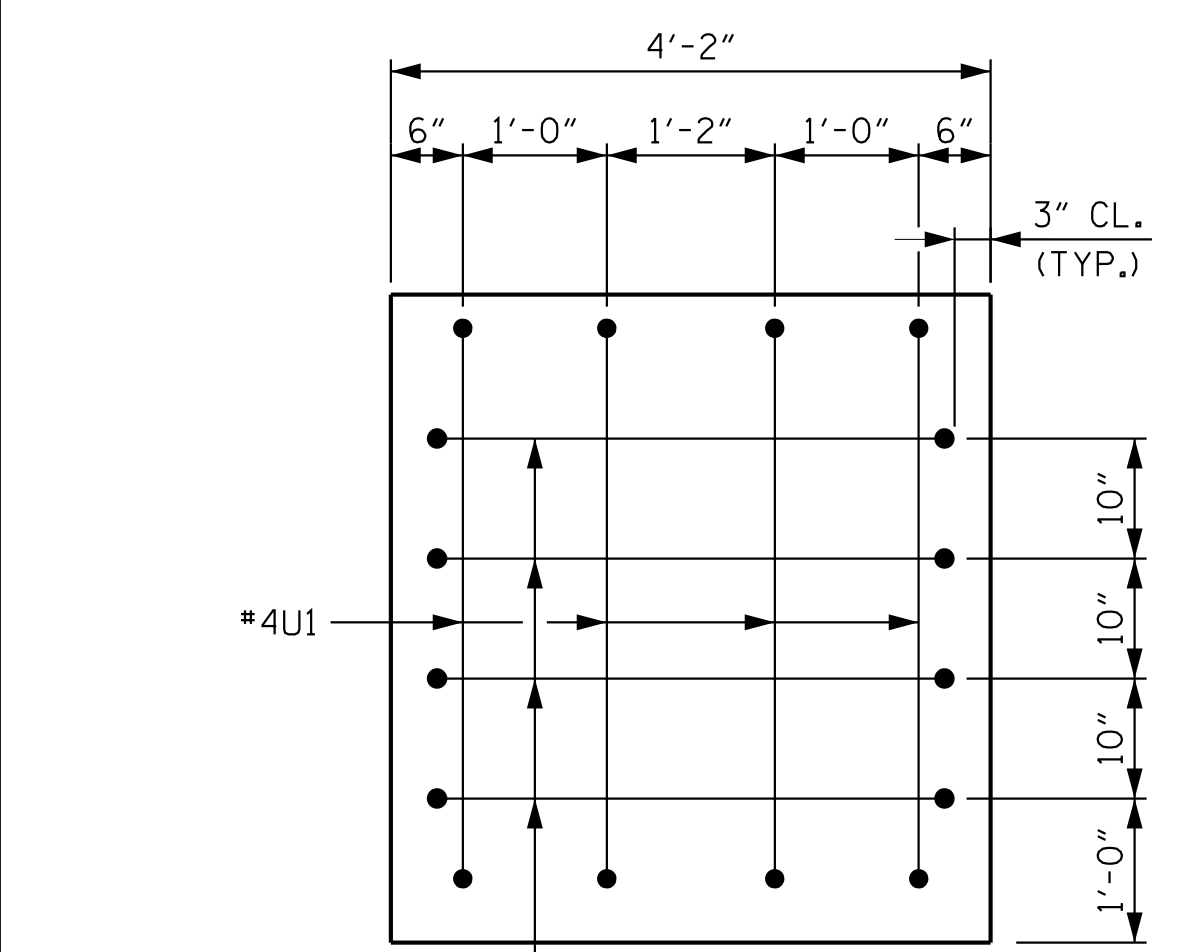


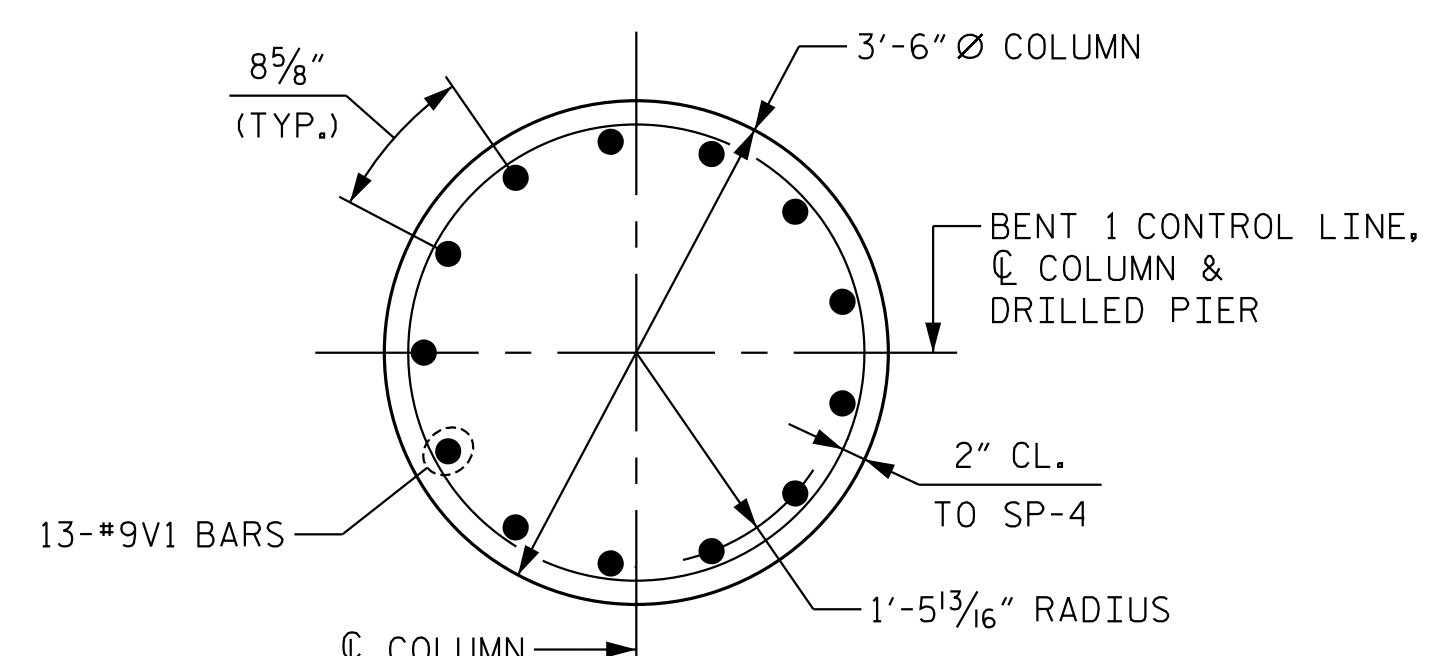
SECTION A-A



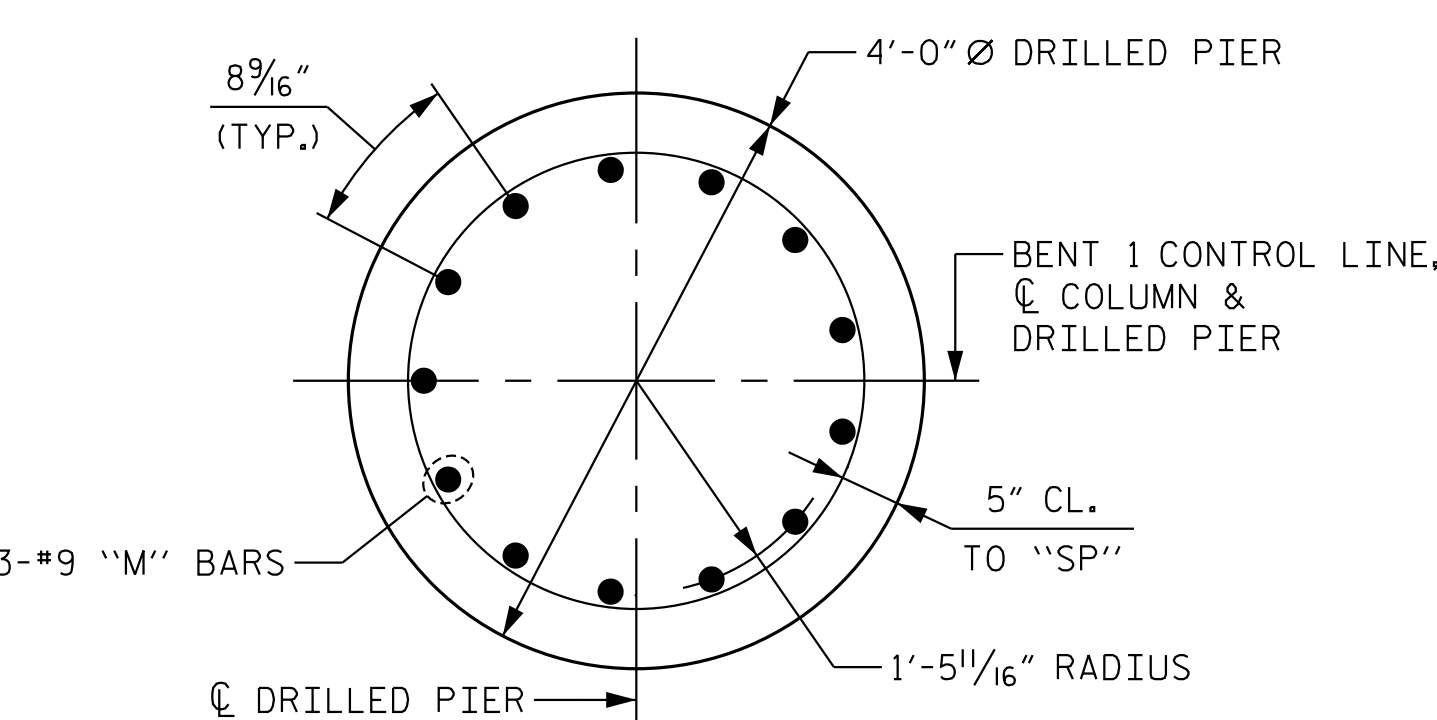
SECTION B-B



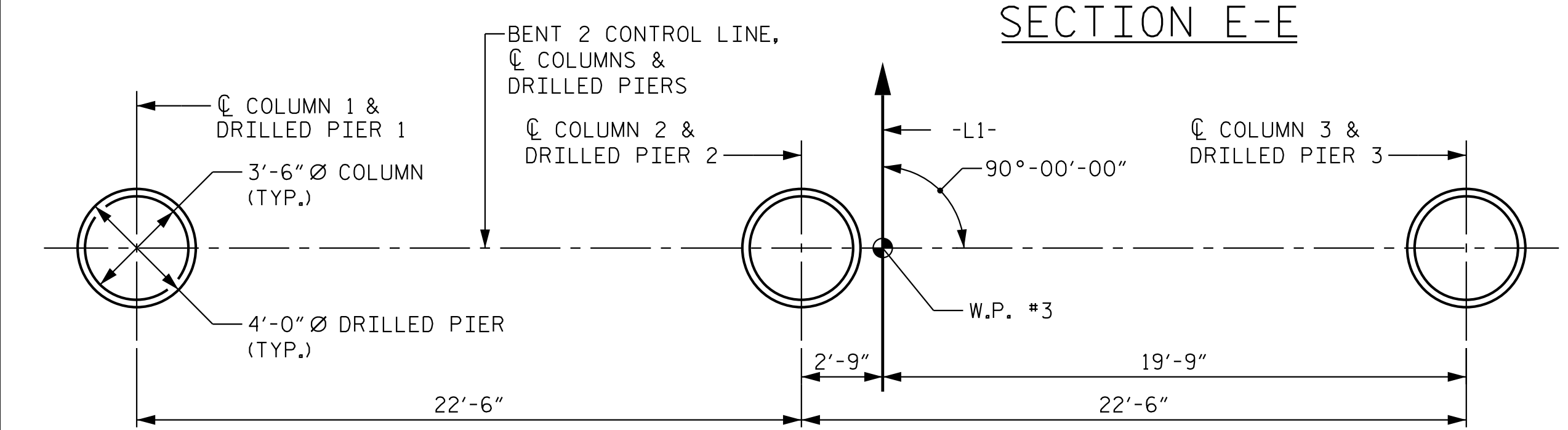
VIEW X-X  
(LEFT END SHOWN, RIGHT END SIMILAR)



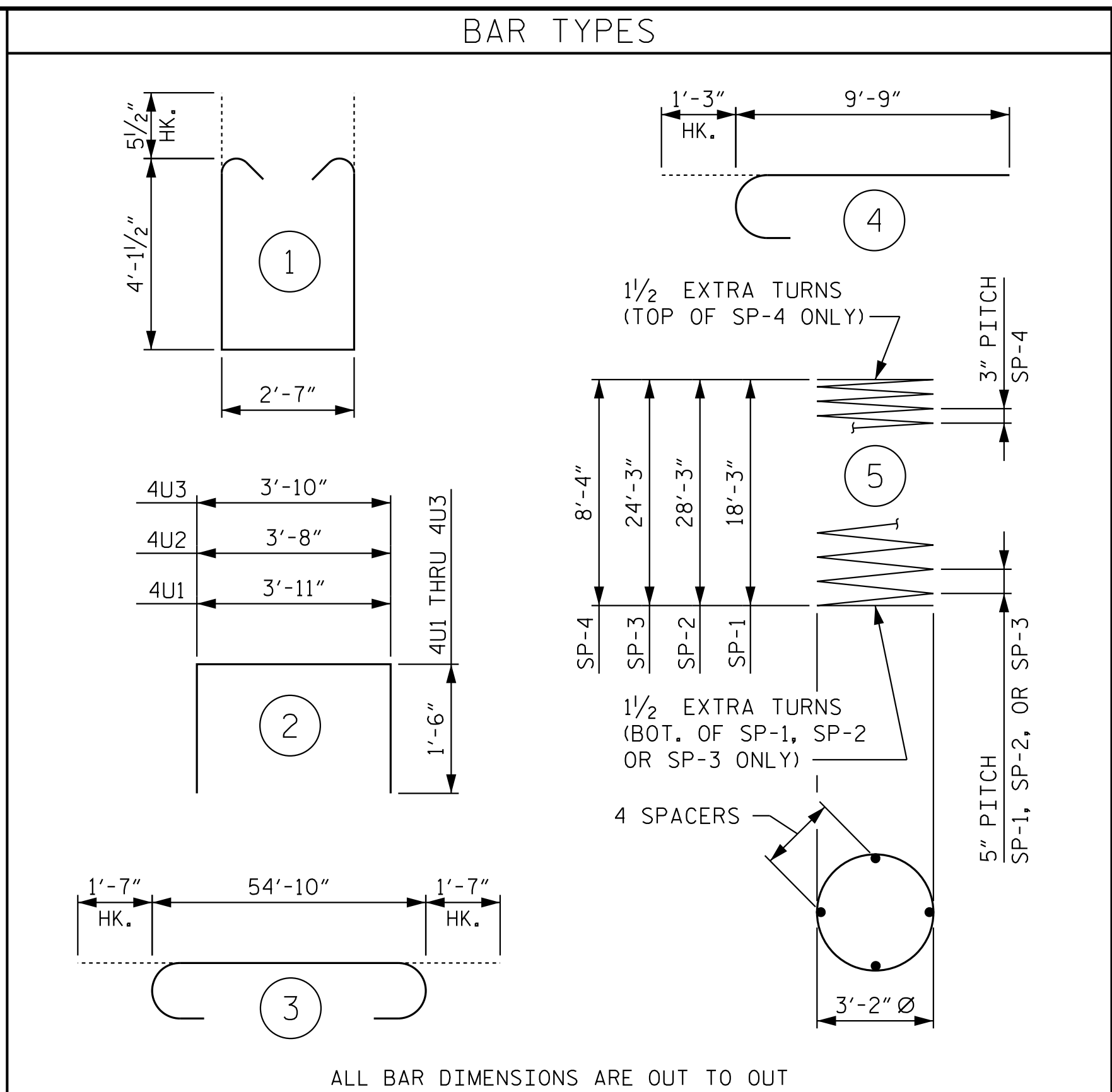
SECTION D-D



SECTION E-E

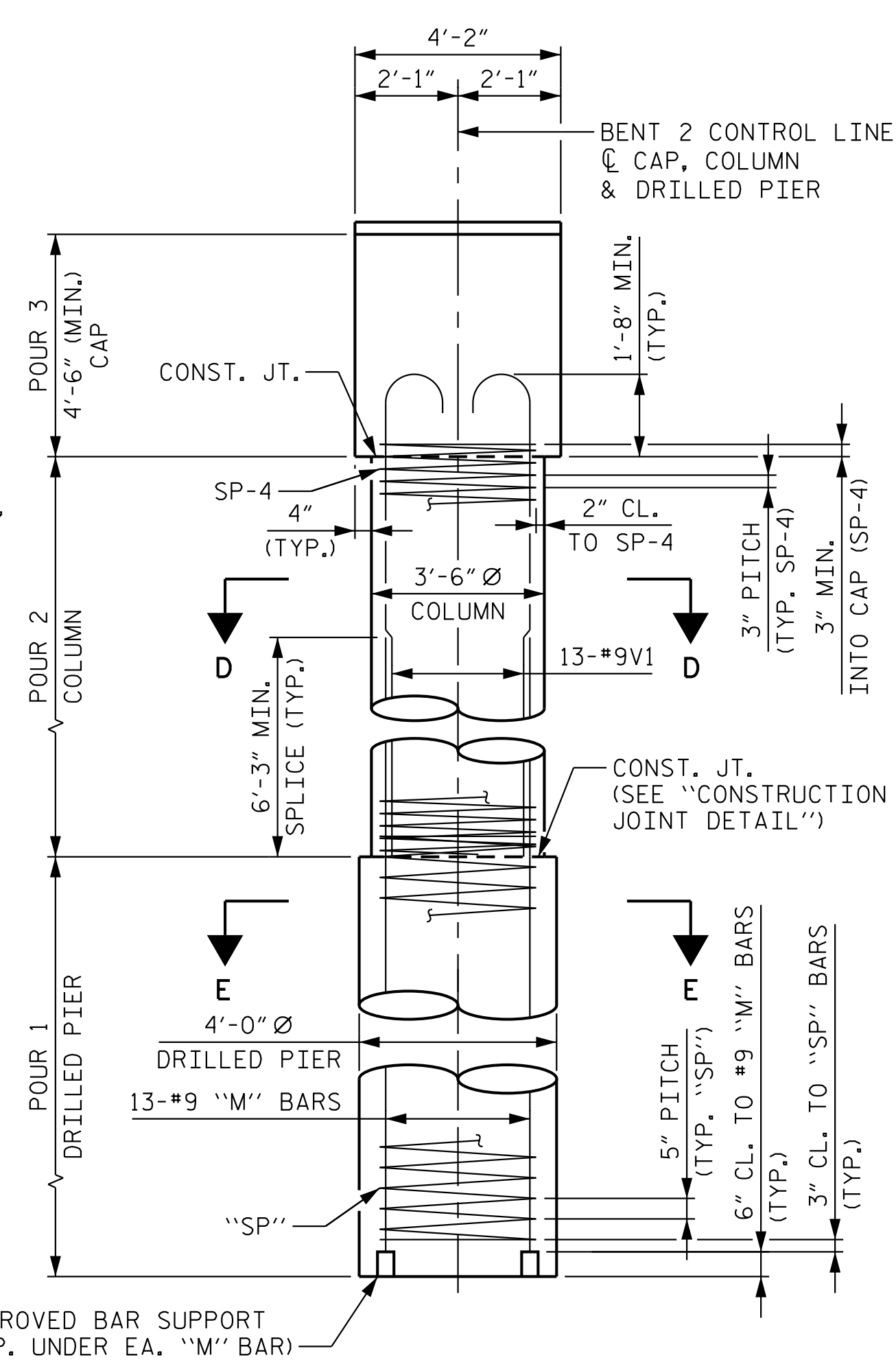


PLAN OF DRILLED PIERS & COLUMNS

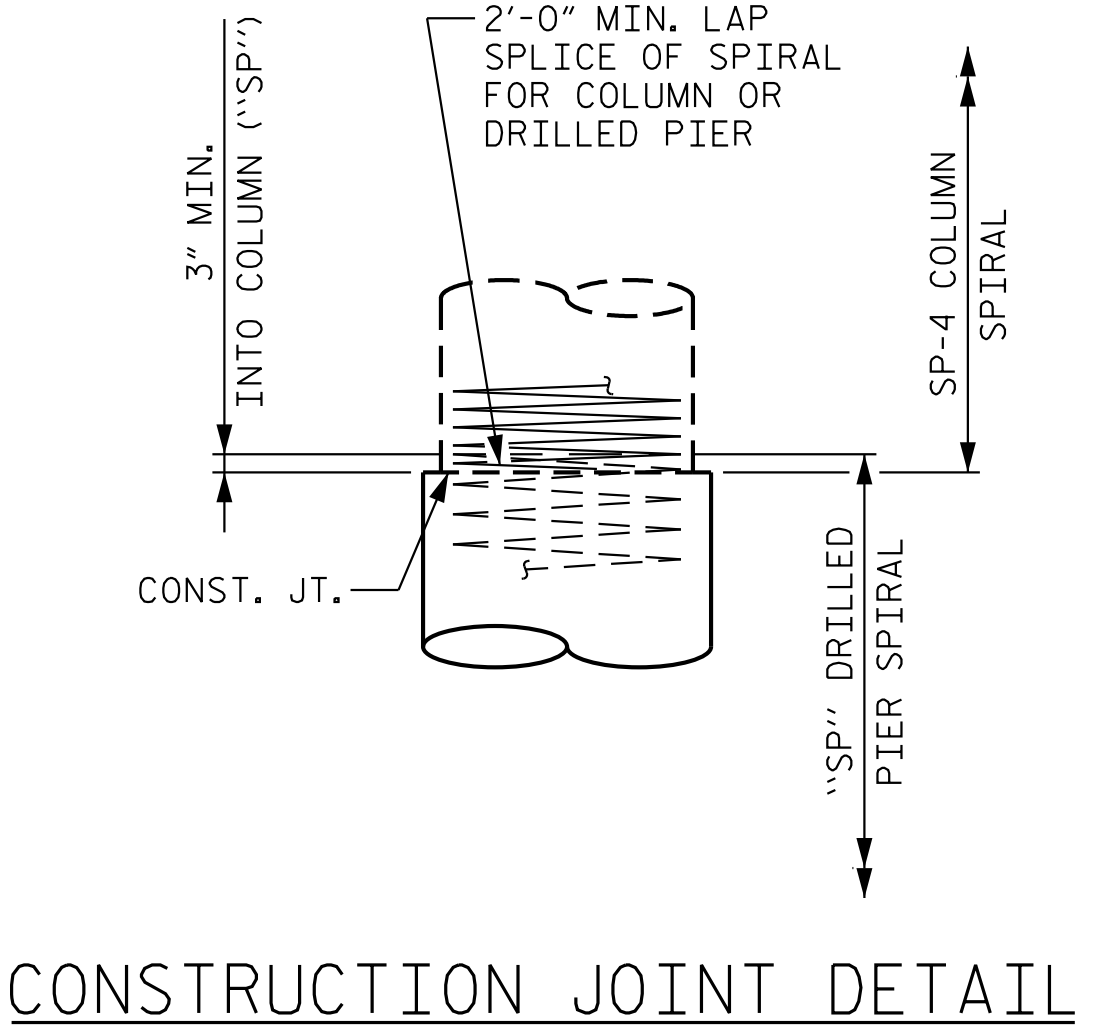


ALL BAR DIMENSIONS ARE OUT TO OUT

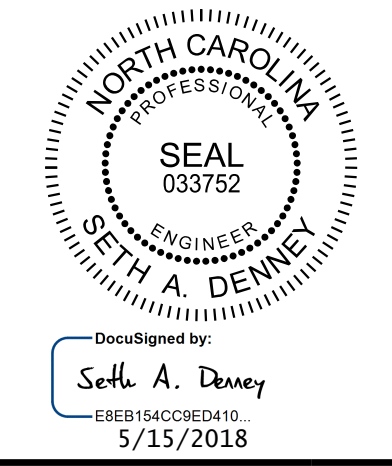
BILL OF MATERIAL					
BENT 2					
BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	
B1	8	11	STR	54'-10"	2331
B2	8	11	3	58'-0"	2465
B3	20	4	STR	28'-8"	383
B4	24	4	STR	10'-2"	163
B5	8	4	STR	4'-0"	21
M1	13	9	STR	27'-6"	1216
M2	13	9	STR	37'-6"	1658
M3	13	9	STR	33'-6"	1481
S1	152	5	1	11'-9"	1863
U1	8	4	2	6'-11"	37
U2	8	4	2	6'-8"	36
U3	68	4	2	6'-10"	310
V1	39	9	4	11'-0"	1459
REINFORCING STEEL			13,423 LBS.		
SP-1	1	**	5	443'-8"	463
SP-2	1	**	5	678'-9"	708
SP-3	1	**	5	584'-9"	610
SP-4	3	*	5	343'-2"	688
SPIRAL REINFORCING STEEL			2,469 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.					



END ELEVATION



CONSTRUCTION JOINT DETAIL



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

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

SHEET 2 OF 2  
 STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 SUBSTRUCTURE  
 BENT 2  
 SECTIONS AND DETAILS

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

**DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED**

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

SHEET NO.  
S-47  
 TOTAL SHEETS  
58

K:\BIDI\_Structures\Bridges\NC\01036392 - R-3822\cadd\Drawings\3822\_SMU\_B4-410208.dgn  
 5/14/2018