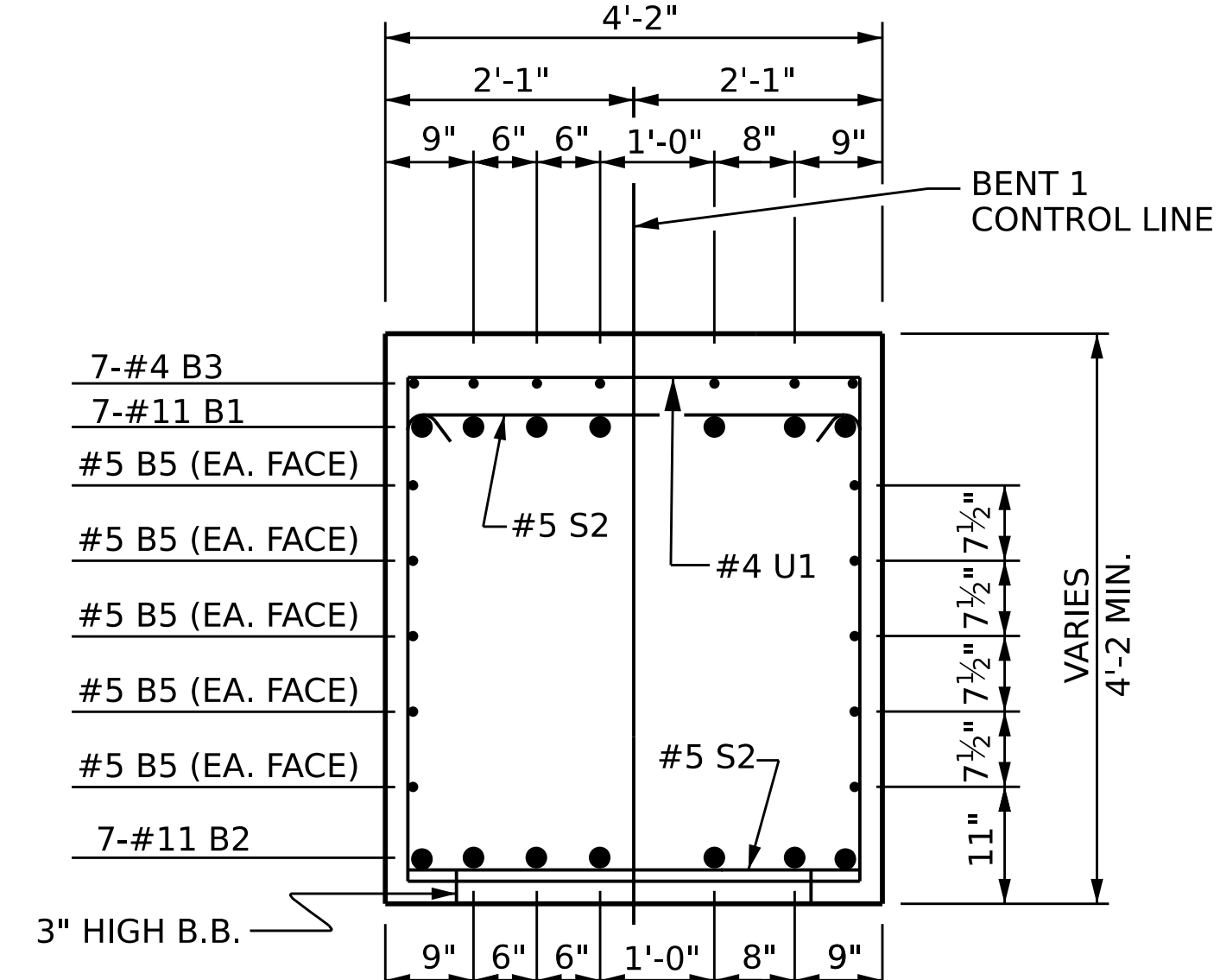
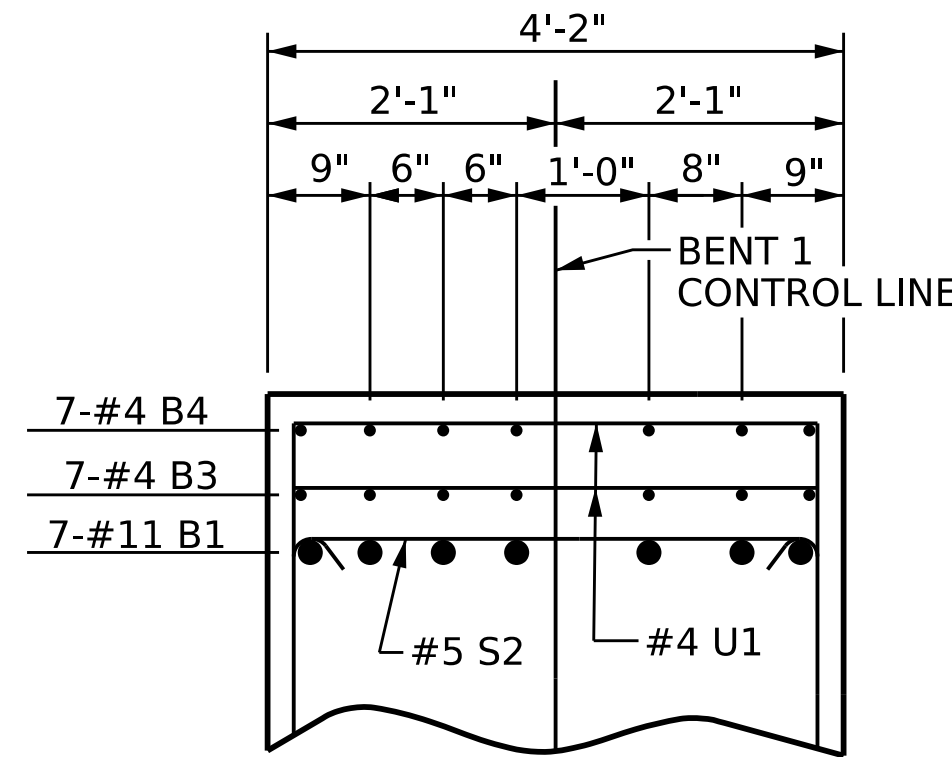


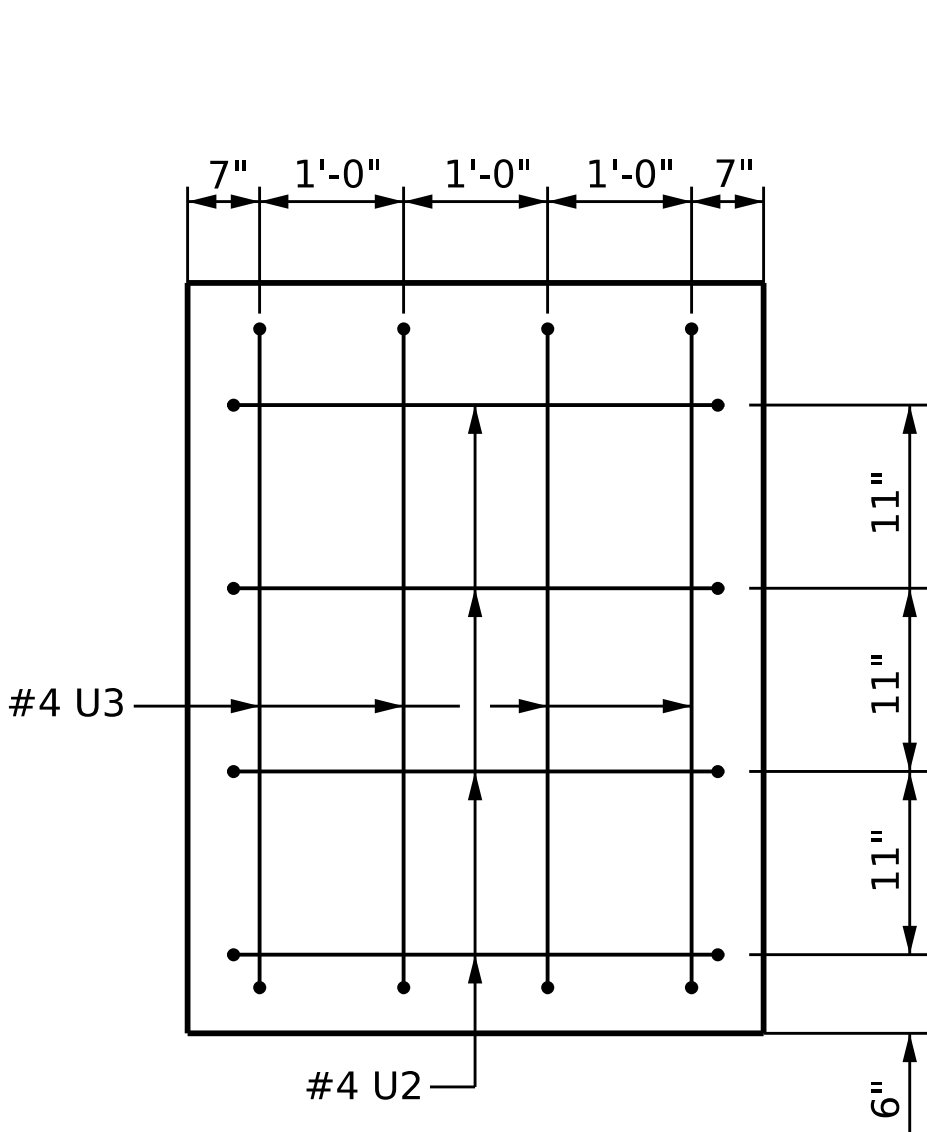
SECTION A-A



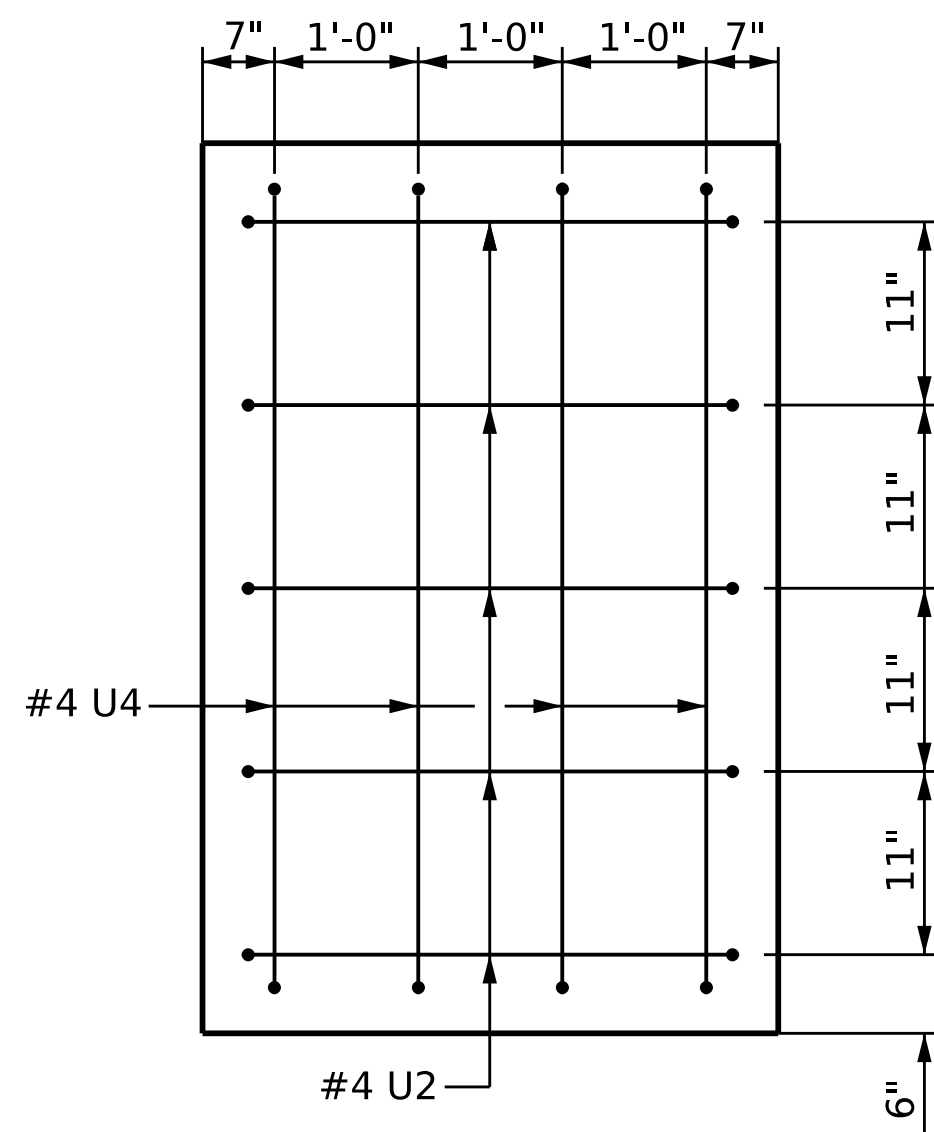
SECTION B-B



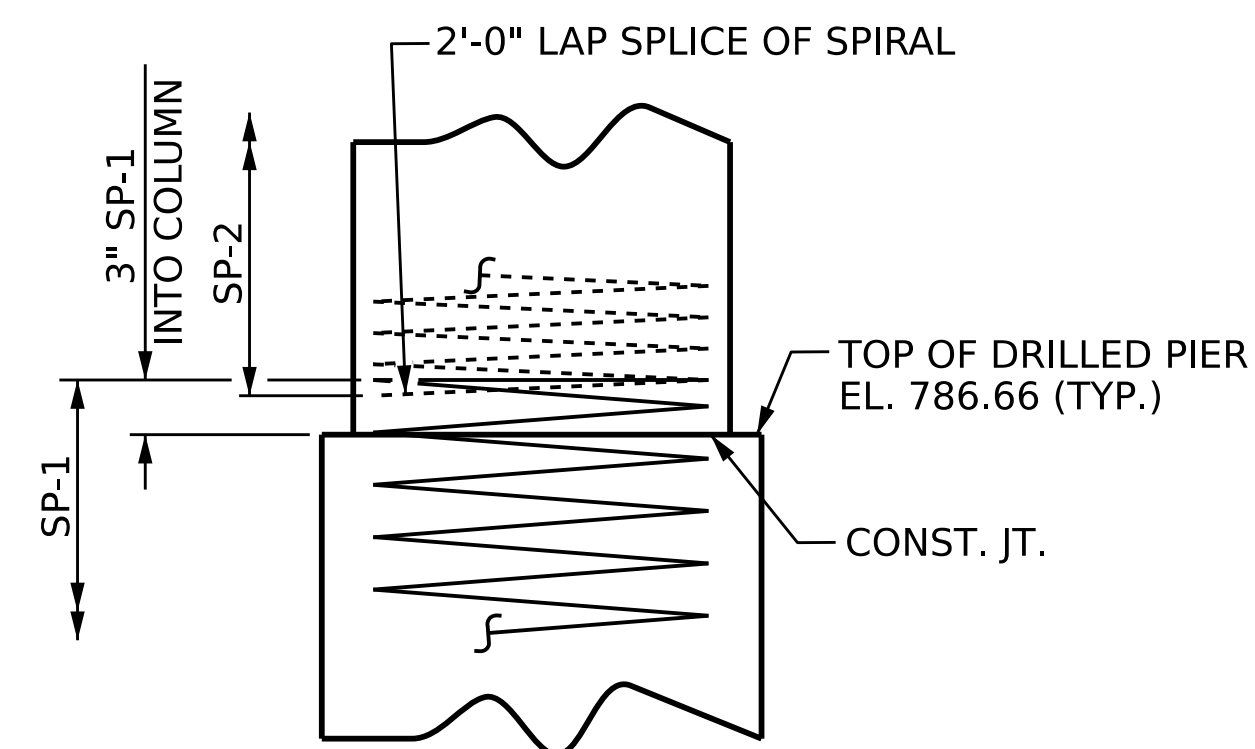
PARTIAL SECTION C-C



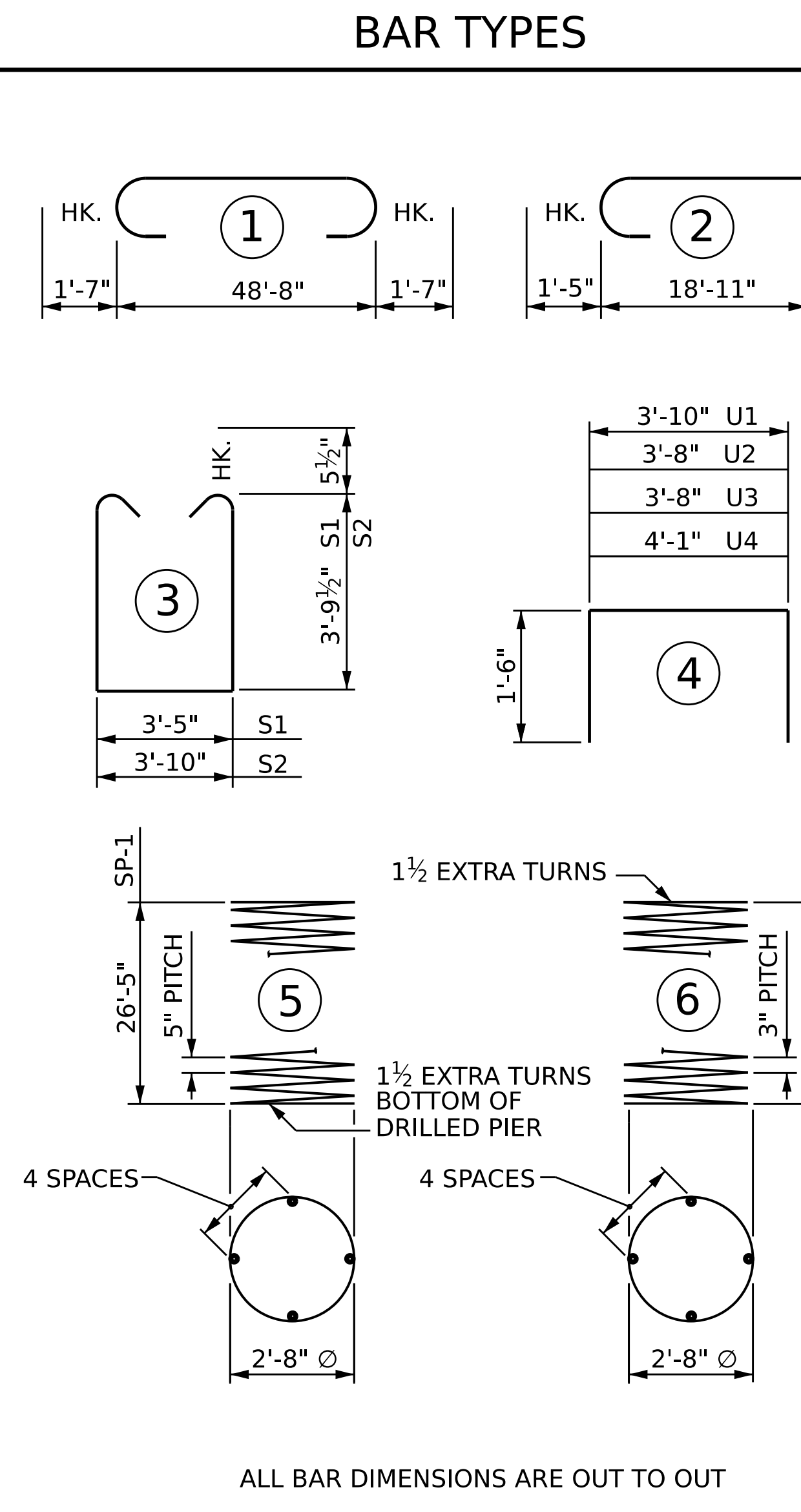
SECTION X-X



SECTION Y-Y



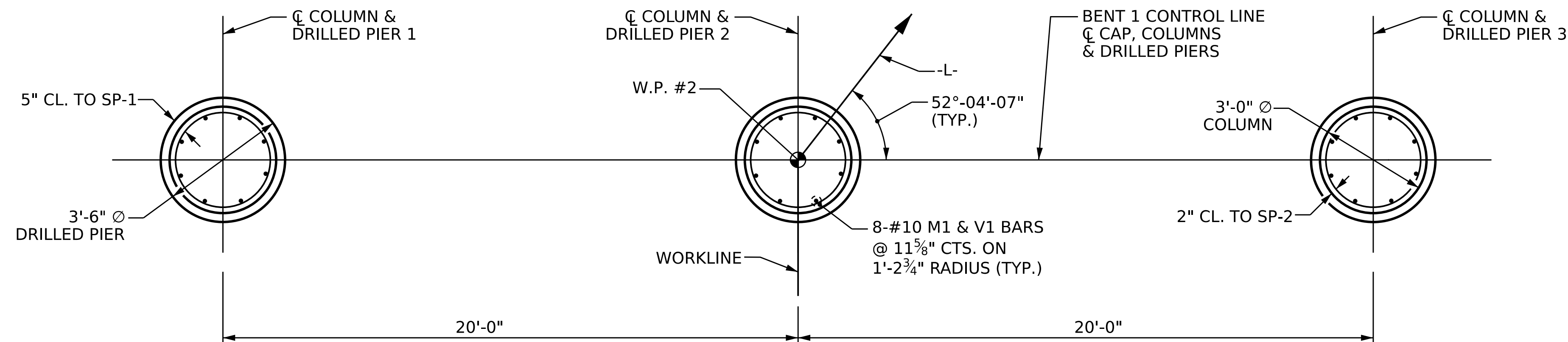
CONSTRUCTION JOINT DETAIL



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

BILL OF MATERIAL

BENT 1					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	7	#11		51'-10"	1928
B2	7	#11	STR	48'-10"	1816
B3	7	#4	STR	37'-5"	175
B4	7	#4	STR	4'-0"	19
B5	10	#5	STR	48'-10"	509
M1	24	#10	STR	34'-0"	3511
S1	20	#5	3	11'-11"	249
S2	46	#5	3	12'-4"	592
U1	54	#4	4	6'-10"	246
U2	9	#4	4	6'-8"	40
U3	4	#4	4	6'-8"	18
U4	4	#4	4	7'-1"	19
V1	24	#10	2	20'-4"	2100
REINFORCING STEEL				LBS.	11,222
SP-1	3	*	5	534'-8"	1673
SP-2	3	**	6	585'-10"	1174
SPIRAL COLUMN REINFORCING STEEL				LBS.	2,847
CLASS A CONCRETE					
POUR #2 - COLUMN				CU. YDS.	13.4
POUR #3 - CAP				CU. YDS.	34.2
TOTAL				CU. YDS.	47.6
DRILLED PIER CONCRETE					
POUR #1 - DRILLED PIERS				CU. YDS.	28.5

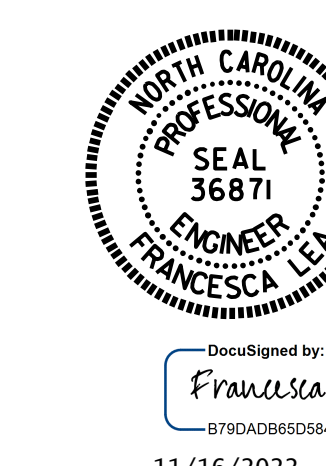


PLAN OF DRILLED PIERS AND COLUMNS

(REINFORCING STEEL AND DIMENSIONS ARE TYPICAL FOR EACH DRILLED PIER AND COLUMN)

DRAWN BY : Q. T. NGUYEN DATE : 10/2022
 CHECKED BY : F. LEA DATE : 10/2022
 DESIGN ENGINEER OF RECORD : F. LEA DATE : 10/2022

10/21/2022
 R:\Structures\Plans\401.045.BR0094.SMU.B*1.S24.780069.dgn
 ttnguyen1



PROJECT NO. BR-0094
 ROCKINGHAM COUNTY
 STATION: 20+38.70 -L-
 SHEET 2 OF 2

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUBSTRUCTURE
 BENT 1

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

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

S-24
 TOTAL SHEETS
 30