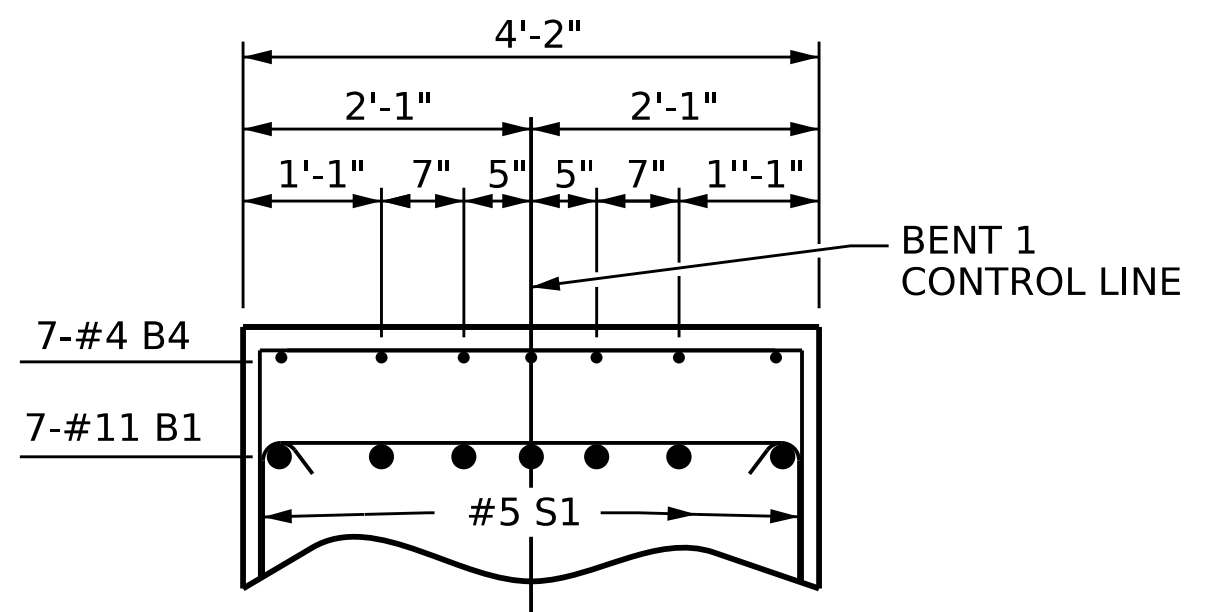
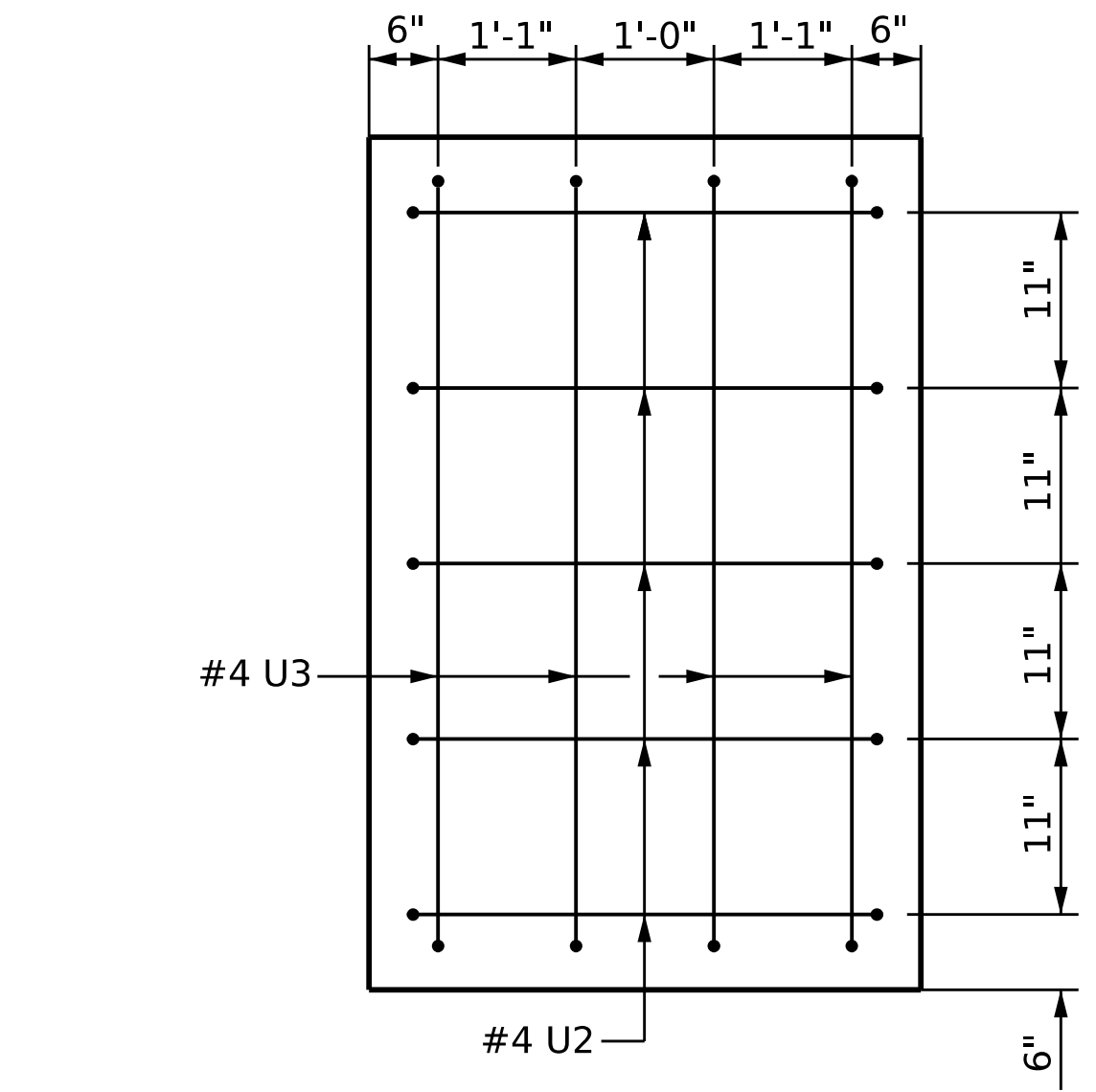


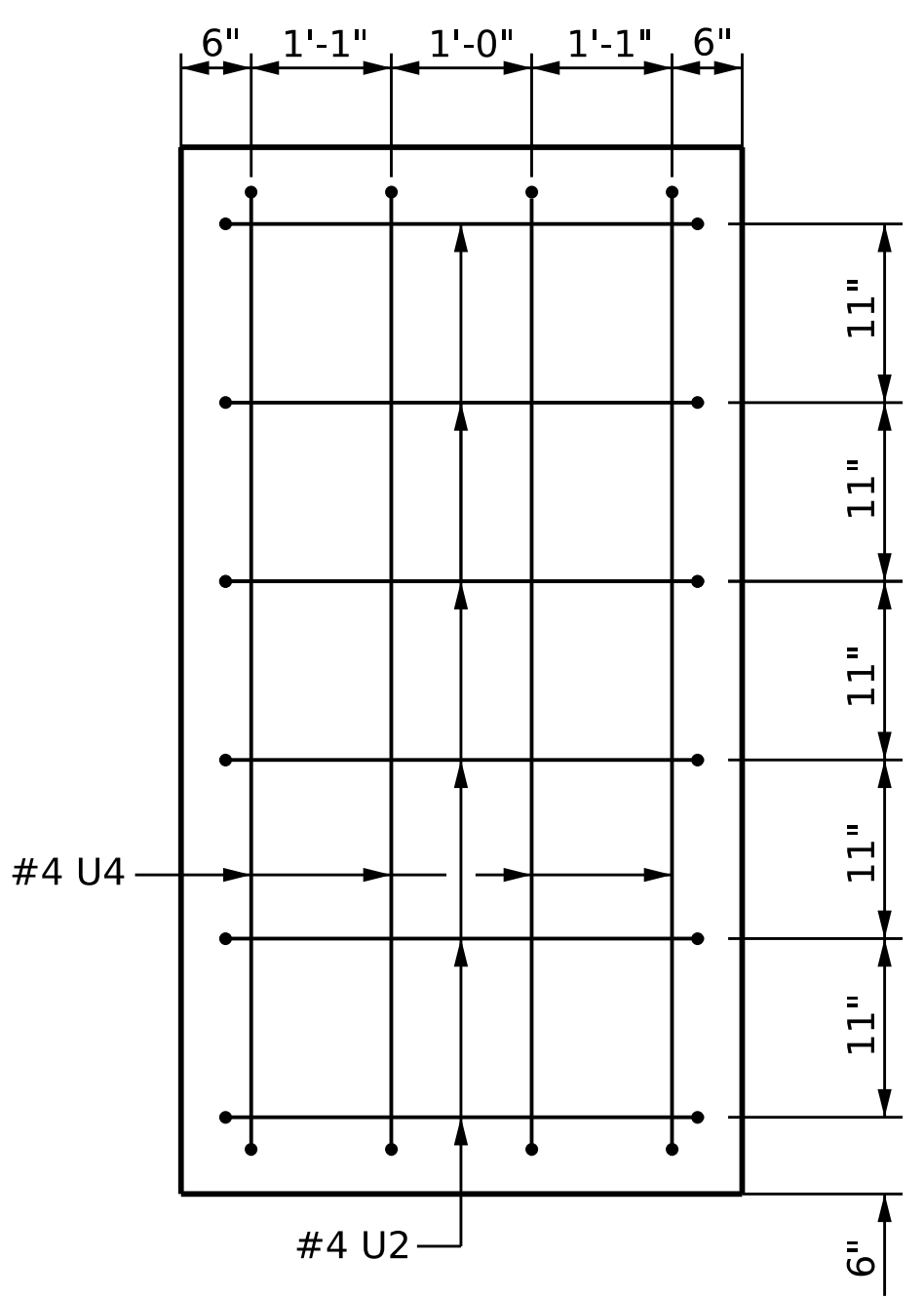
**SECTION A-A**



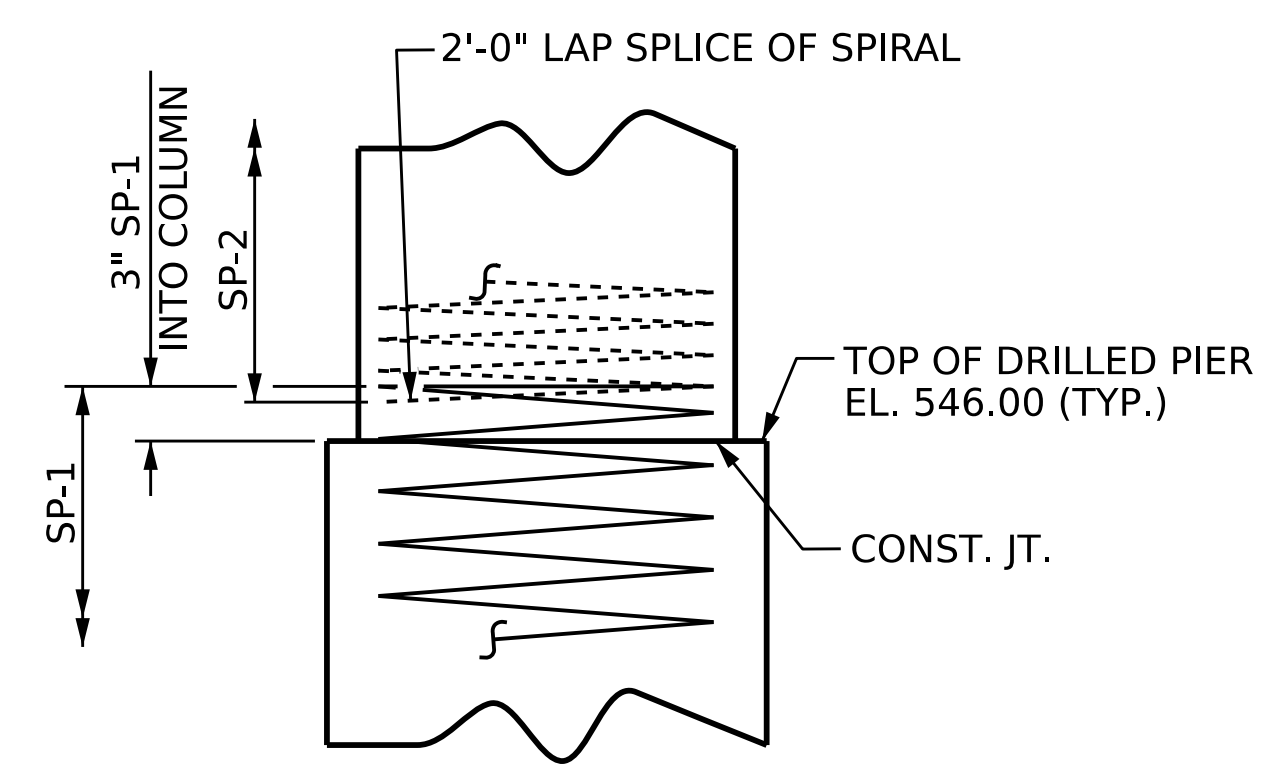
**PARTIAL SECTION B-B**



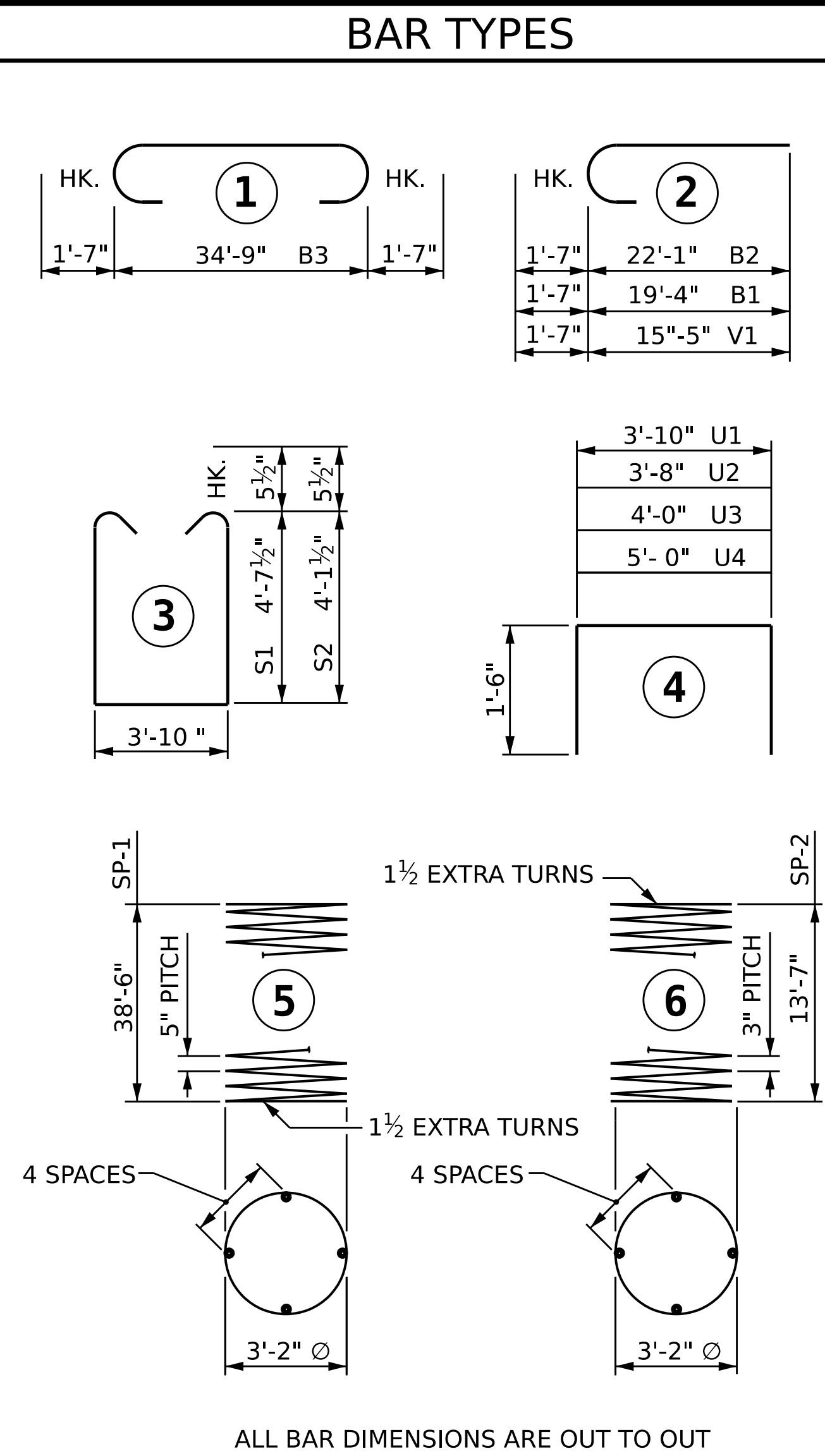
**SECTION X-X**



**SECTION Y-Y**



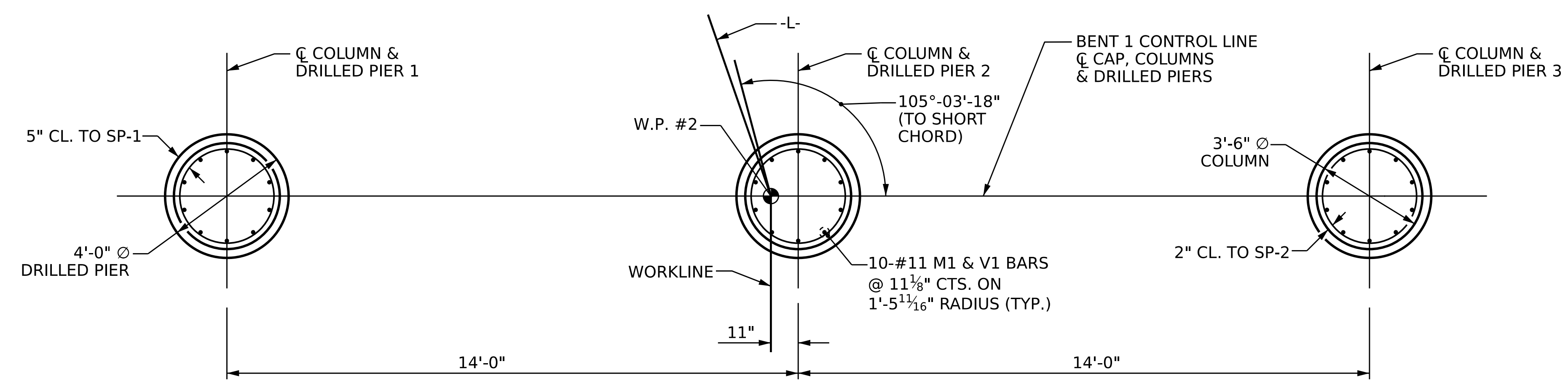
**CONSTRUCTION JOINT DETAIL**



ALL BAR DIMENSIONS ARE OUT TO OUT

\* 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.

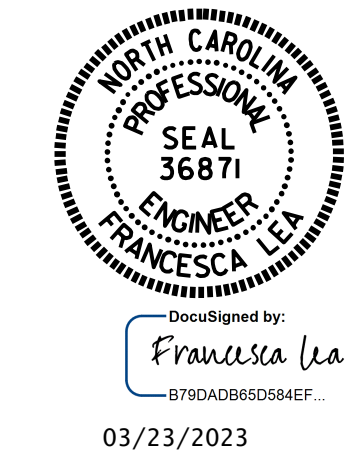
BILL OF MATERIAL					
BENT 1					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	7	#11	2	20'-11"	778
B2	7	#11	2	23'-8"	880
B3	7	#11	1	37'-11"	1410
B4	7	#4	STR	4'-3"	20
B5	14	#4	STR	7'-5"	69
B6	10	#5	STR	34'-11"	364
M1	30	#11	STR	46'-10"	7465
S1	24	#5	3	13'-0"	325
S2	24	#5	3	14'-0"	350
U1	44	#4	4	6'-10"	201
U2	11	#4	4	6'-8"	49
U3	4	#4	4	7'-0"	19
U4	4	#4	4	8'-0"	21
V1	30	#11	2	17'-0"	2710
REINFORCING STEEL				LBS.	14,662
SP-1	3	*	5	920'-8"	2881
SP-2	3	**	6	550'-0"	1102
SPIRAL COLUMN REINFORCING STEEL				LBS.	3,983
CLASS A CONCRETE					
POUR #2 - COLUMN				CU. YDS.	14.2
POUR #3 - CAP				CU. YDS.	27.2
TOTAL				CU. YDS.	41.4
DRILLED PIER CONCRETE				CU. YDS.	54.5
POUR #1 - DRILLED PIERS				CU. YDS.	54.5



**PLAN OF DRILLED PIERS AND COLUMNS**

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

PROJECT NO. **B-5721**  
**ROCKINGHAM COUNTY**  
 STATION: **21+64.00 -L-**  
 SHEET 2 OF 2



STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
**SUBSTRUCTURE**  
**BENT 1**

DRAWN BY: **Q. T. NGUYEN** DATE: **04/2022**  
 CHECKED BY: **F. LEA** DATE: **12/2022**  
 DESIGN ENGINEER OF RECORD: **F. LEA** DATE: **04/2022**

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

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED