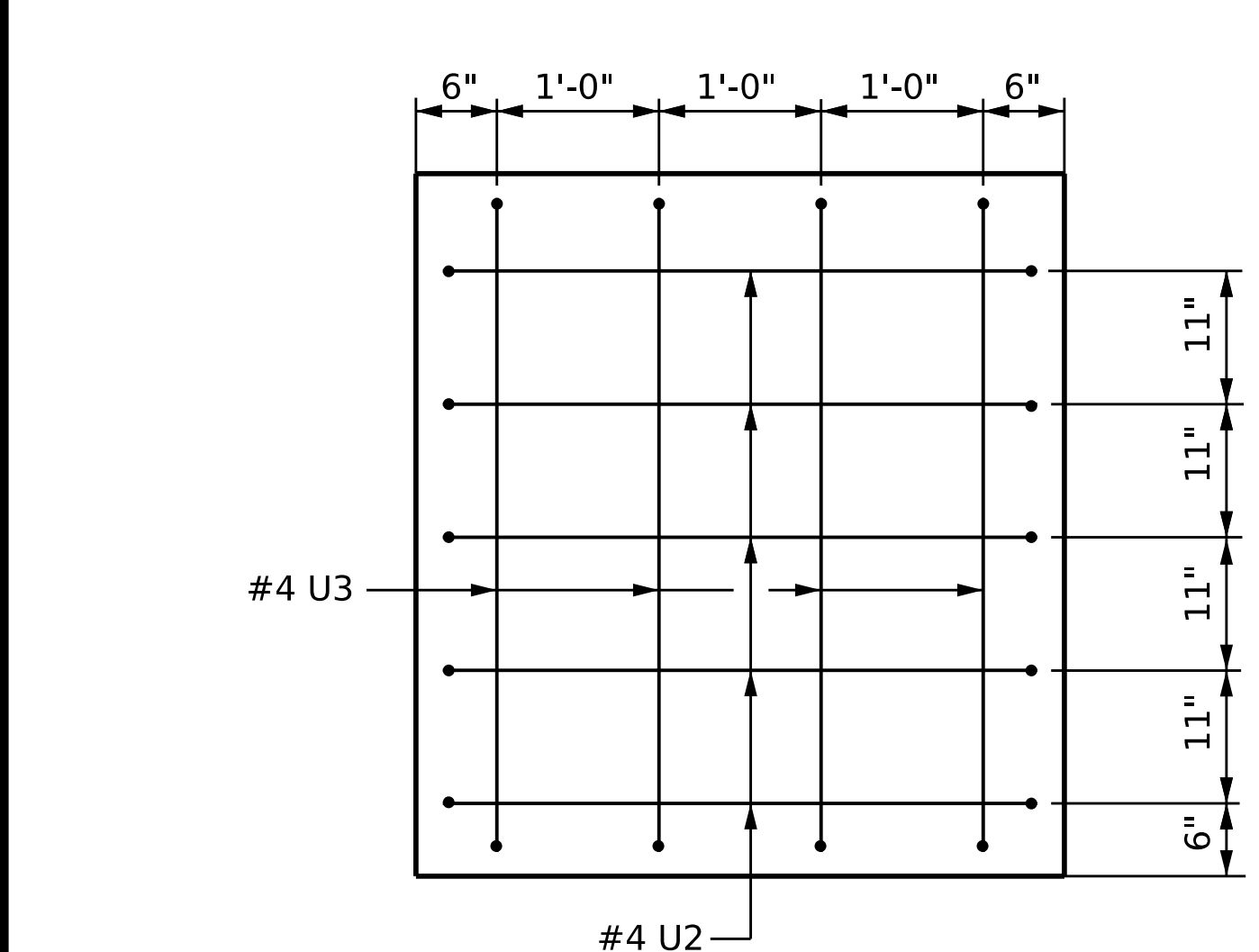
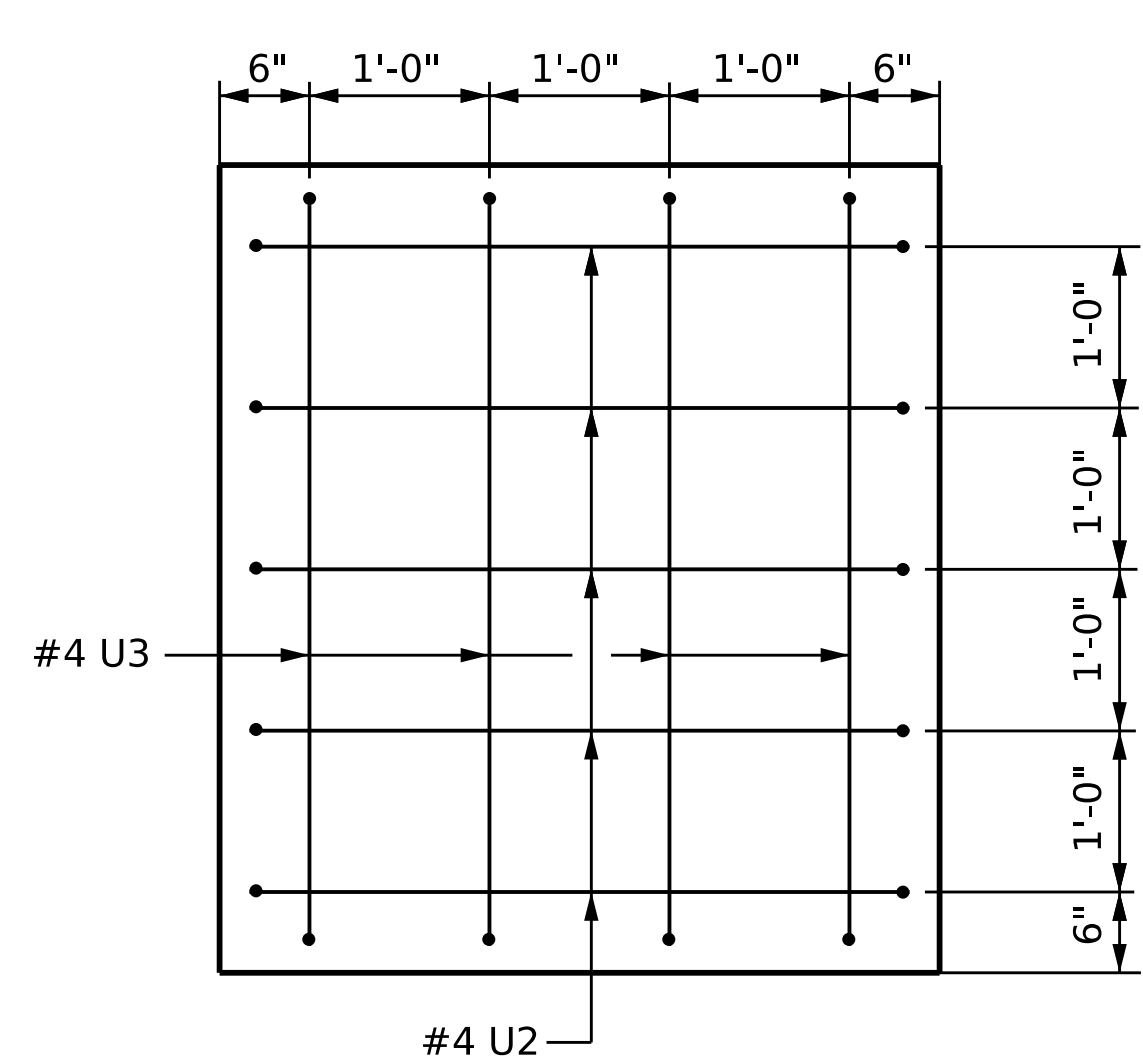


**SECTION A-A**

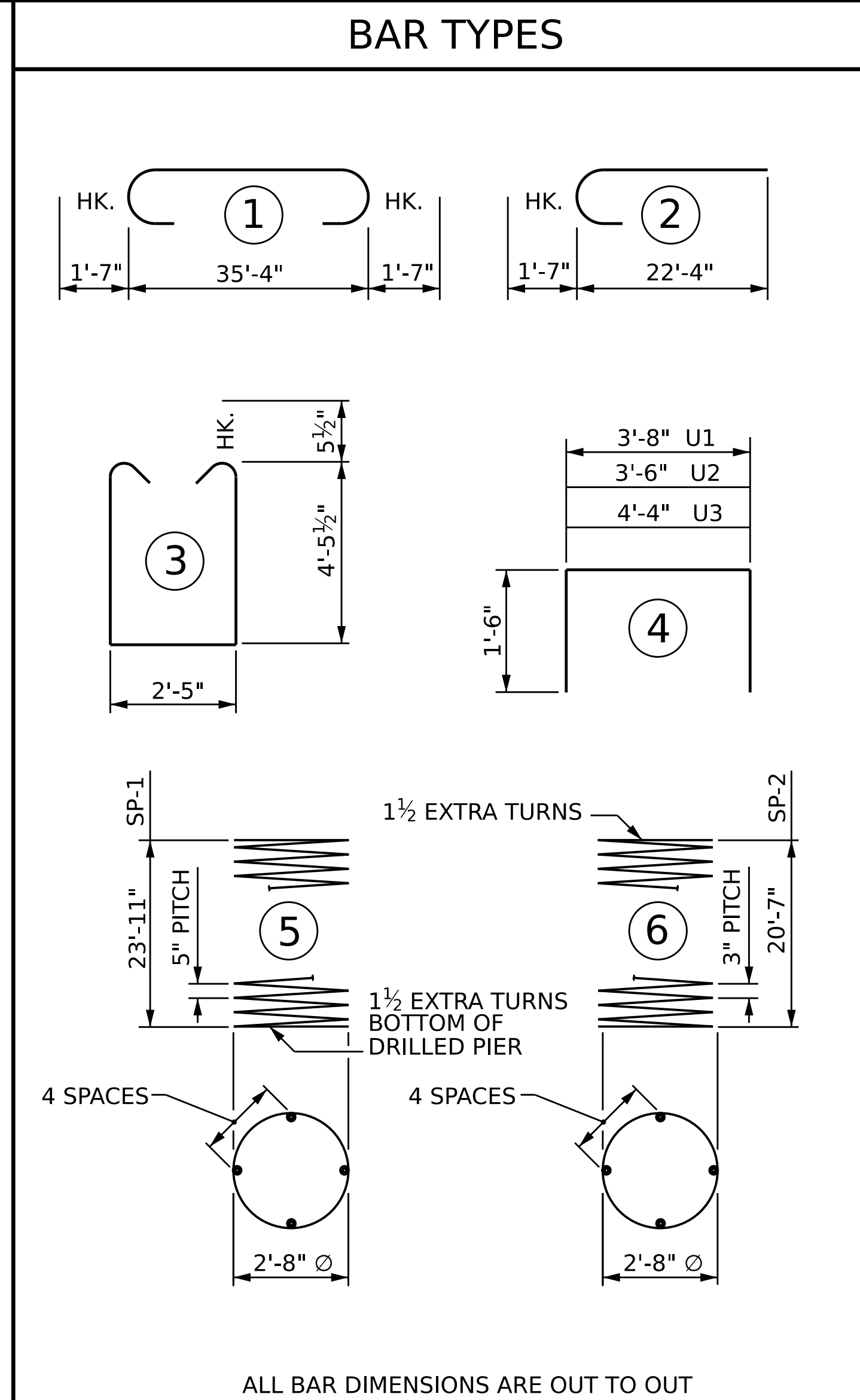
**SECTION B-B**



**SECTION X-X**



**SECTION Y-Y**

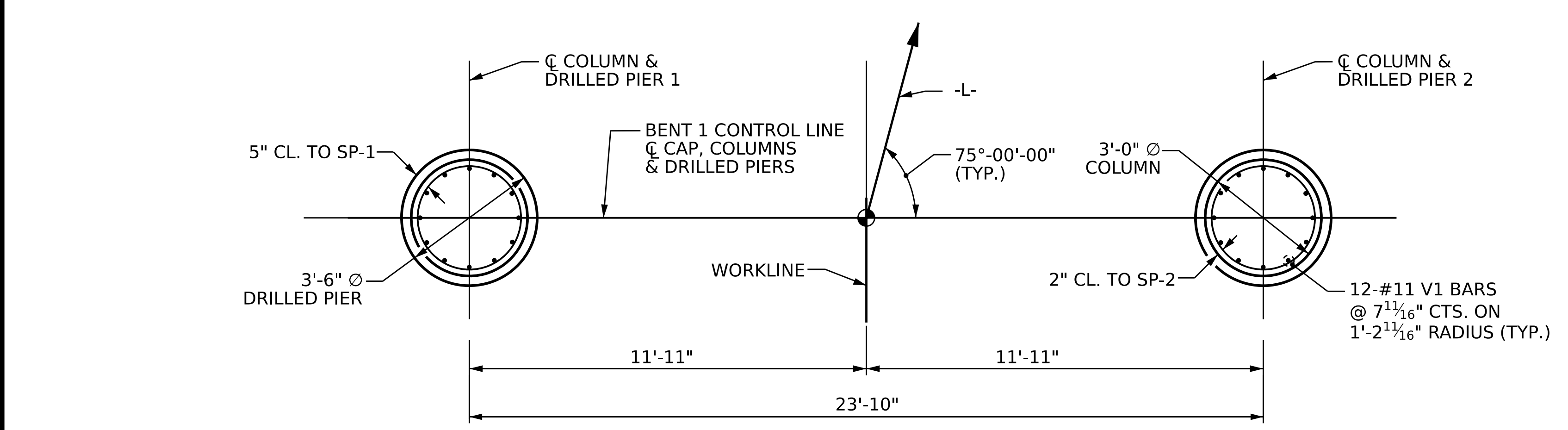


**BAR TYPES**

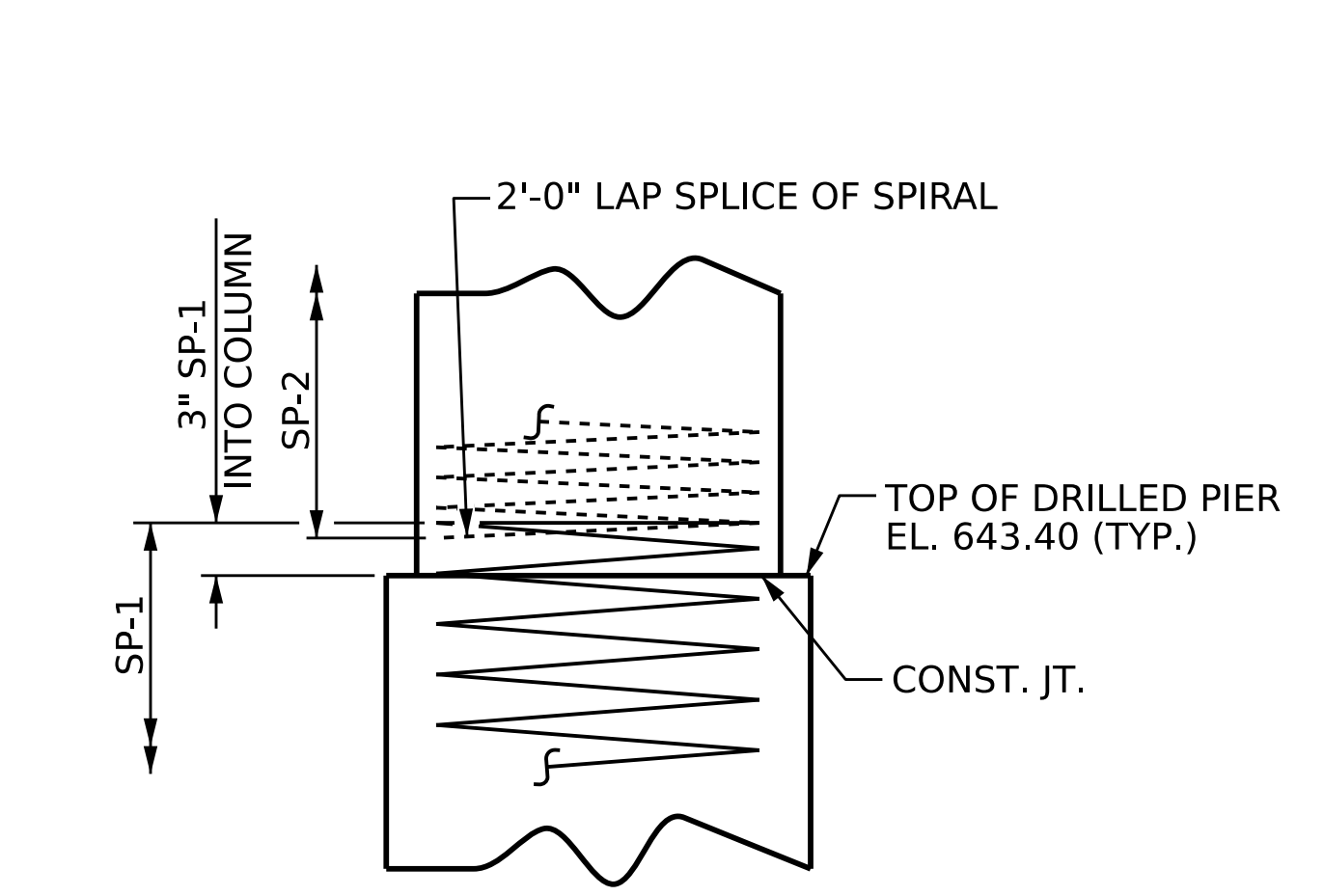
BILL OF MATERIAL					
BENT 2					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	9	#11	1	38'-6"	1841
B2	9	#11	STR	35'-6"	1698
B3	9	#4	STR	20'-0"	120
B4	6	#5	STR	35'-6"	222
M1	24	#11	STR	32'-2"	4102
S1	74	#5	3	12'-3"	945
U1	46	#4	4	6'-8"	205
U2	10	#4	4	6'-6"	43
U3	8	#4	4	7'-4"	39
V1	24	#11	2	23'-11"	3050
REINFORCING STEEL				LBS.	12,265
SP-1	2	*	5	485'-3"	1012
SP-2	2	**	6	693'-1"	926
SPIRAL COLUMN REINFORCING STEEL				LBS.	1,938
CLASS A CONCRETE					
POUR #2 - COLUMN				CU. YDS.	10.6
POUR #3 - CAP				CU. YDS.	26.6
TOTAL				CU. YDS.	37.2
DRILLED PIER CONCRETE					
POUR #1 - DRILLED PIERS				CU. YDS.	17.4

\* 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.

ALL BAR DIMENSIONS ARE OUT TO OUT



**PLAN OF DRILLED PIERS AND COLUMNS**



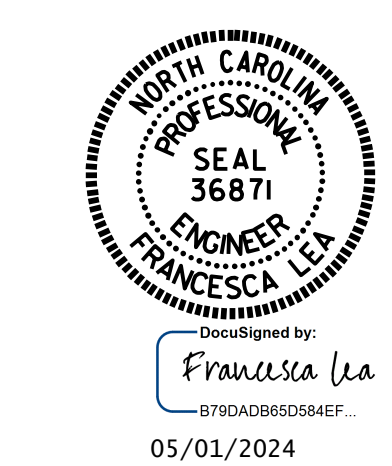
**CONSTRUCTION JOINT DETAIL**

DRAWN BY : E. BAYISSA DATE : 12/2023  
 CHECKED BY : F. LEA DATE : 01/2024  
 DESIGN ENGINEER OF RECORD : E. BAYISSA DATE : 09/2023

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

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PROJECT NO. BR-0093  
ROCKINGHAM COUNTY  
 STATION: 17+85.52 -L-  
 SHEET 2 OF 2



STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
**SUBSTRUCTURE**  
**BENT 2**

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

TOTAL SHEETS: 36