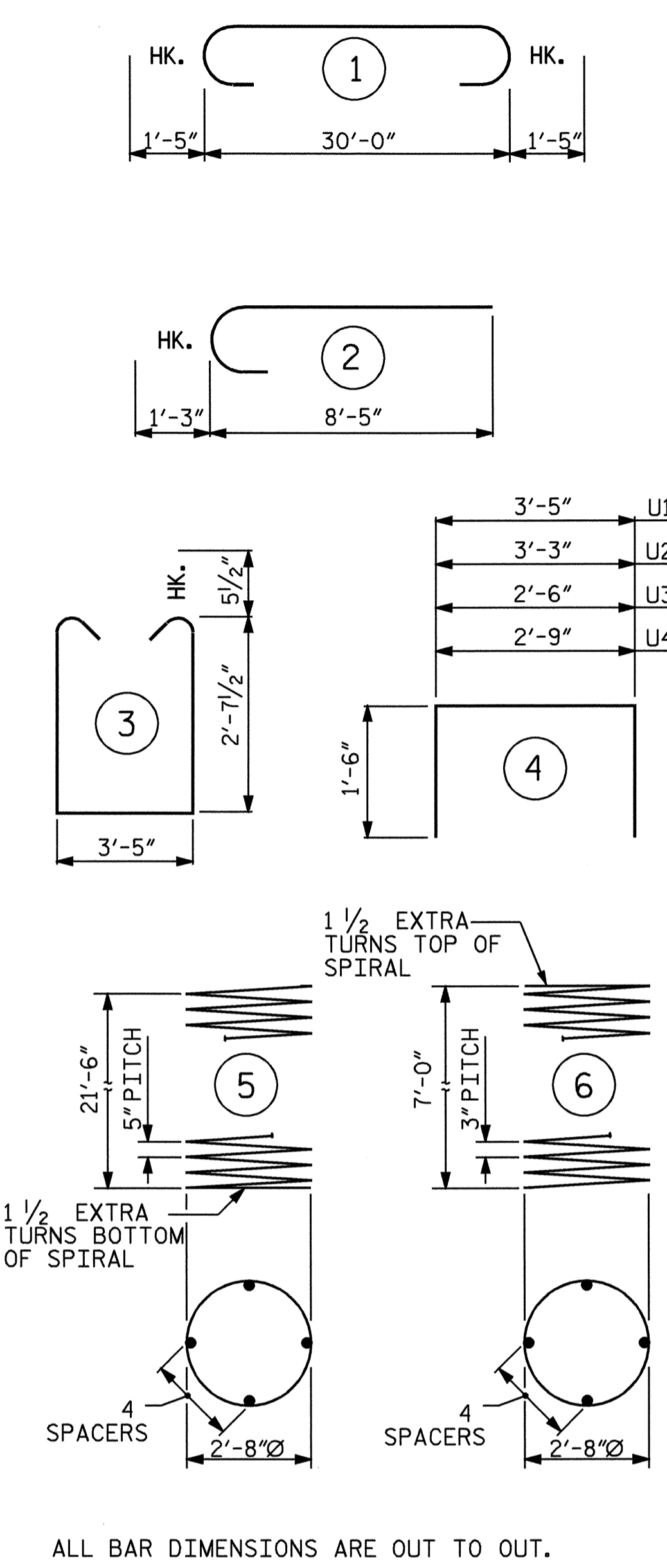
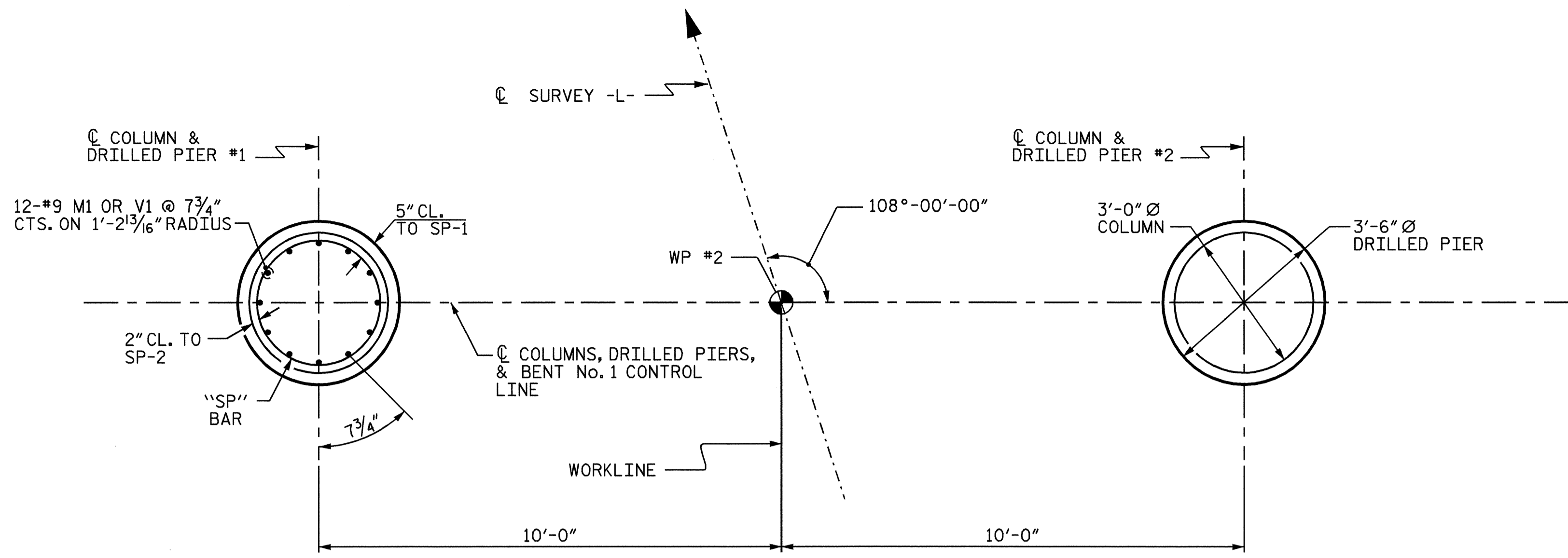


BAR TYPES



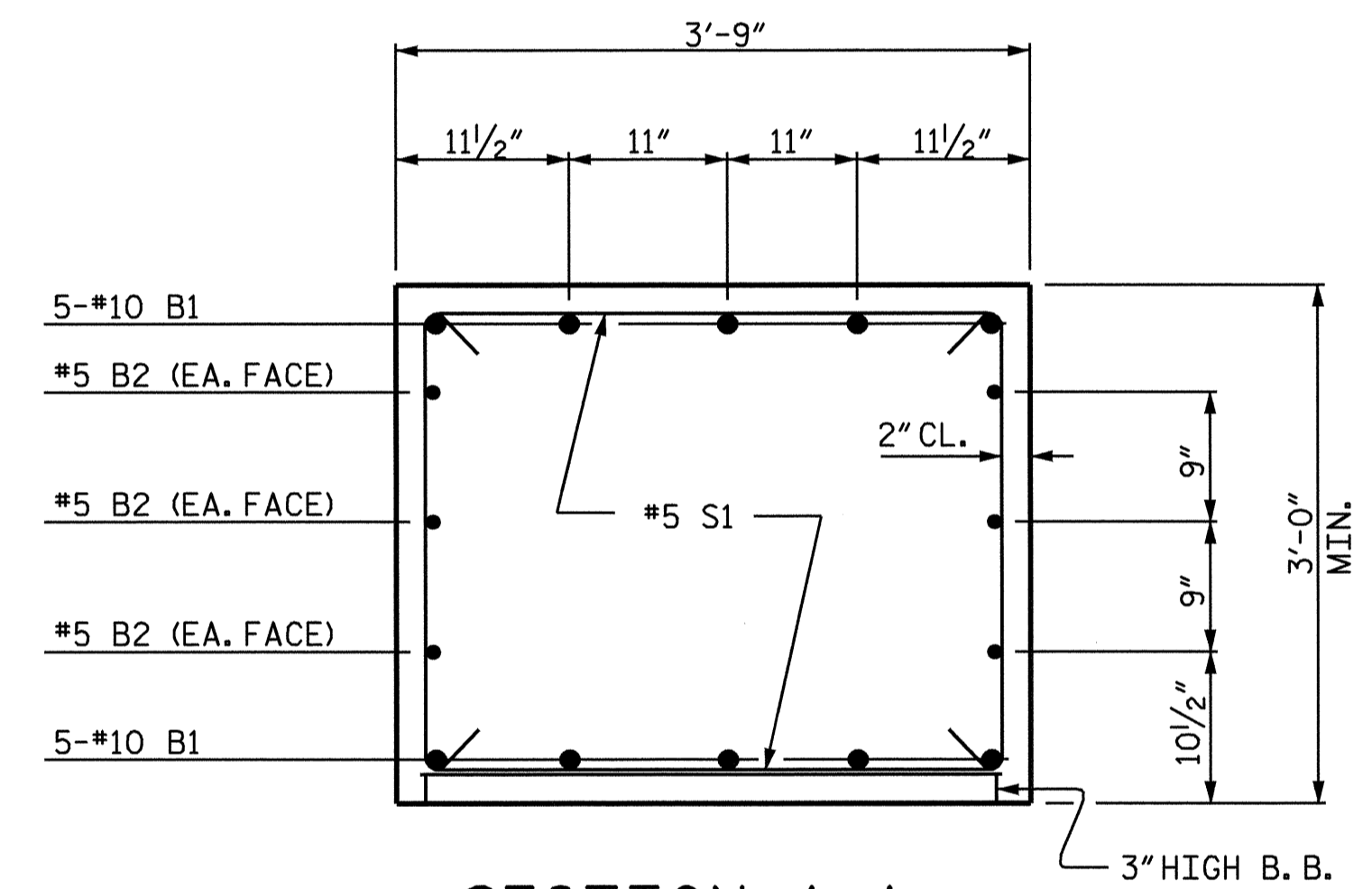
BILL OF MATERIAL

BENT No. 1					
BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	
B1	10	10	1	32'-10"	1413
B2	6	5	STR	30'-2"	189
B3	5	4	STR	12'-6"	42
S1	45	5	3	9'-7"	450
U1	35	4	4	6'-5"	150
U2	6	4	4	6'-3"	25
U3	3	4	4	5'-6"	11
U4	3	4	4	5'-9"	12
V1	24	9	2	9'-8"	789
M1	24	9	STR	29'-3"	2387
REINFORCING STEEL				LBS.	5468
SP-1	2	**	5	444'-2"	927
SP-2	2	*	6	247'-7"	331
SPIRAL COLUMN REINFORCING STEEL				LBS.	1258
* THE SP-2 SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #4 PLAIN OR DEFORMED BAR.					
** THE SP-1 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORMED BAR.					
CLASS A CONCRETE BREAKDOWN :					
POUR #2 (COLUMNS)				3.5 C. Y.	
POUR #3 (CAP)				13.7 C. Y.	
TOTAL				17.2 C. Y.	
DRILLED PIER QUANTITIES					
DRILLED PIER CONCRETE					
POUR #1 (DRILLED PIERS)				15.7 C. Y.	
3'-6" Ø DRILLED PIERS NOT IN SOIL				20.00 LIN. FT.	
3'-6" Ø DRILLED PIERS IN SOIL				24.00 LIN. FT.	
PERMANENT STEEL CASING FOR 3'-6" Ø DRILLED PIER				28.00 LIN. FT.	
CSL TUBES				196.00 LIN. FT.	

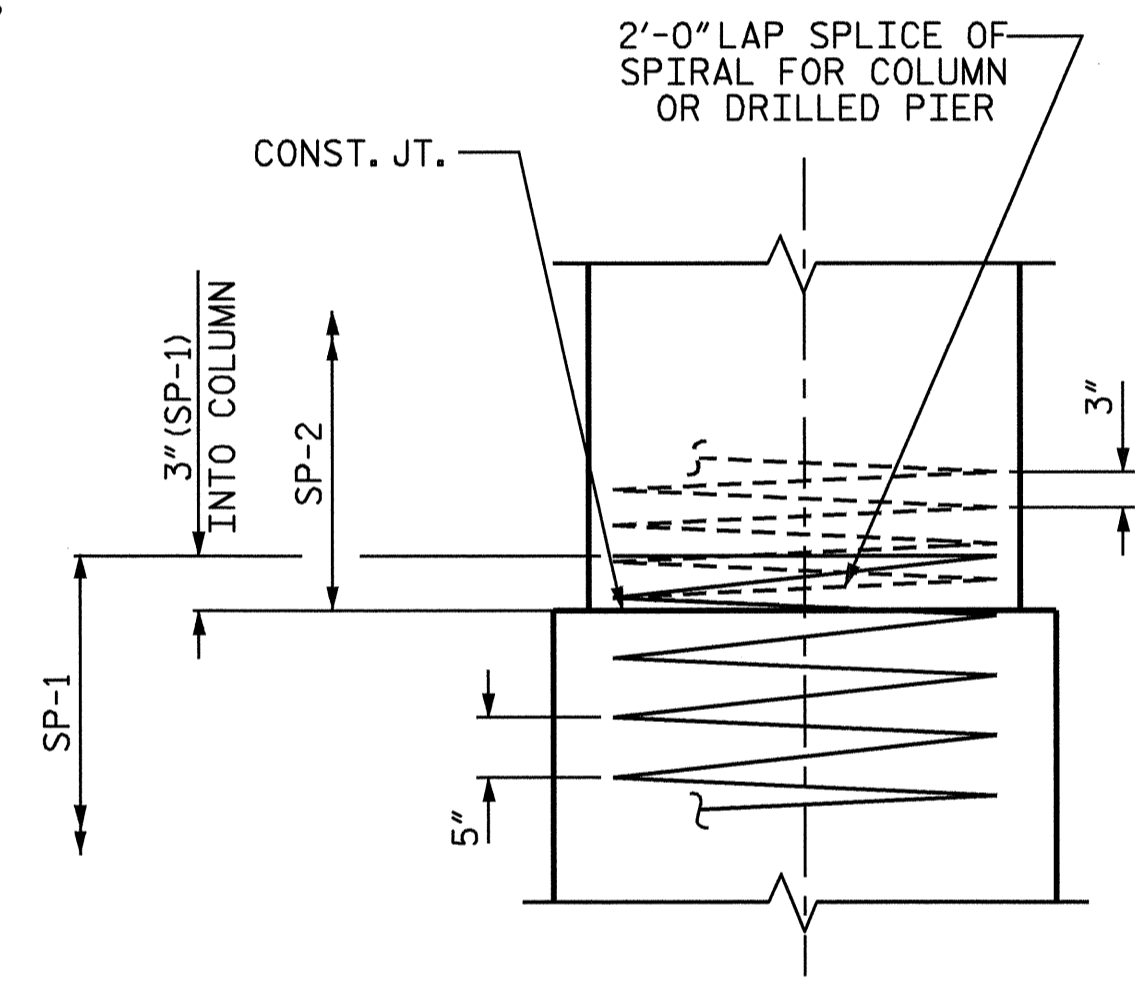


PLAN OF DRILLED PIERS

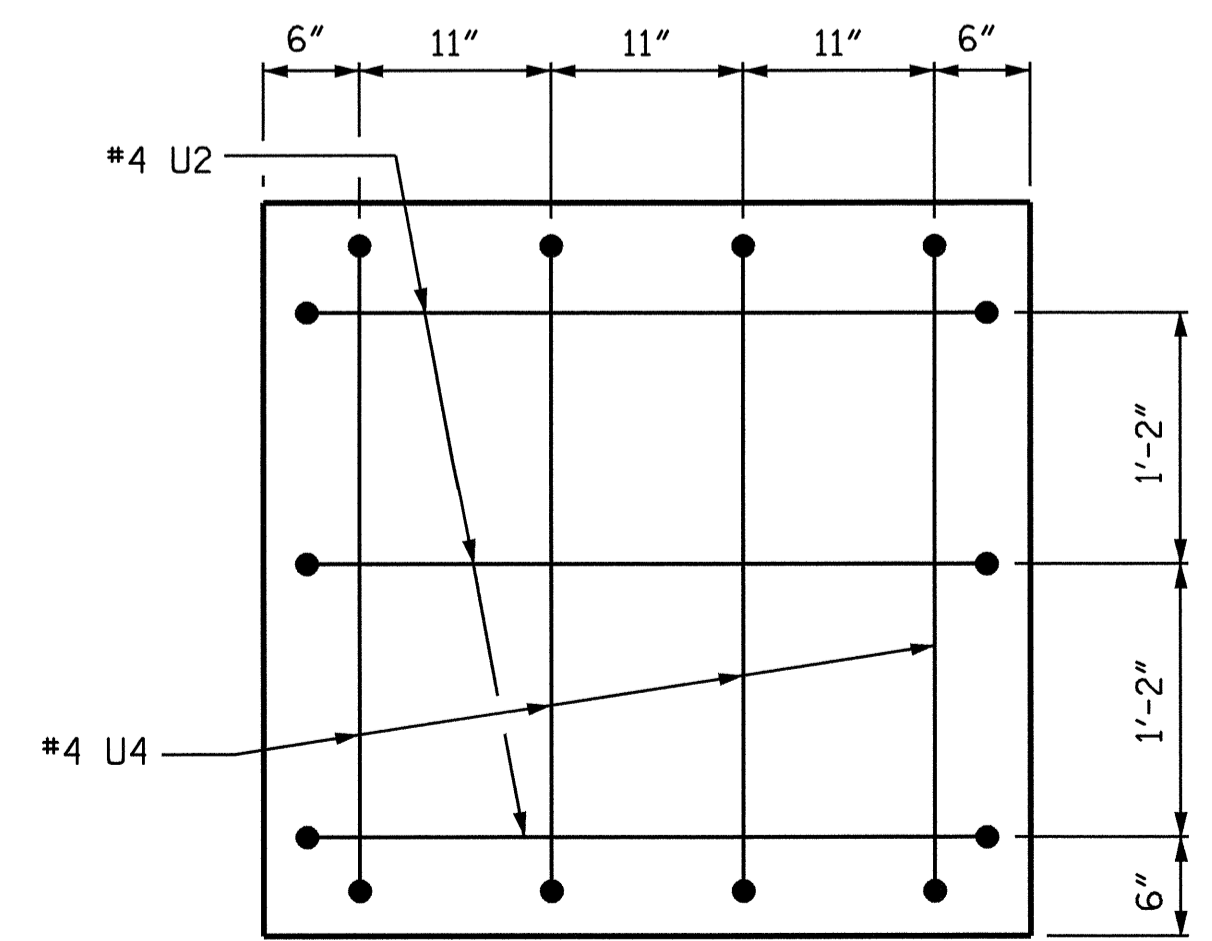
REINFORCING STEEL AND DIMENSIONS ARE TYPICAL FOR ALL DRILLED PIERS & COLUMNS



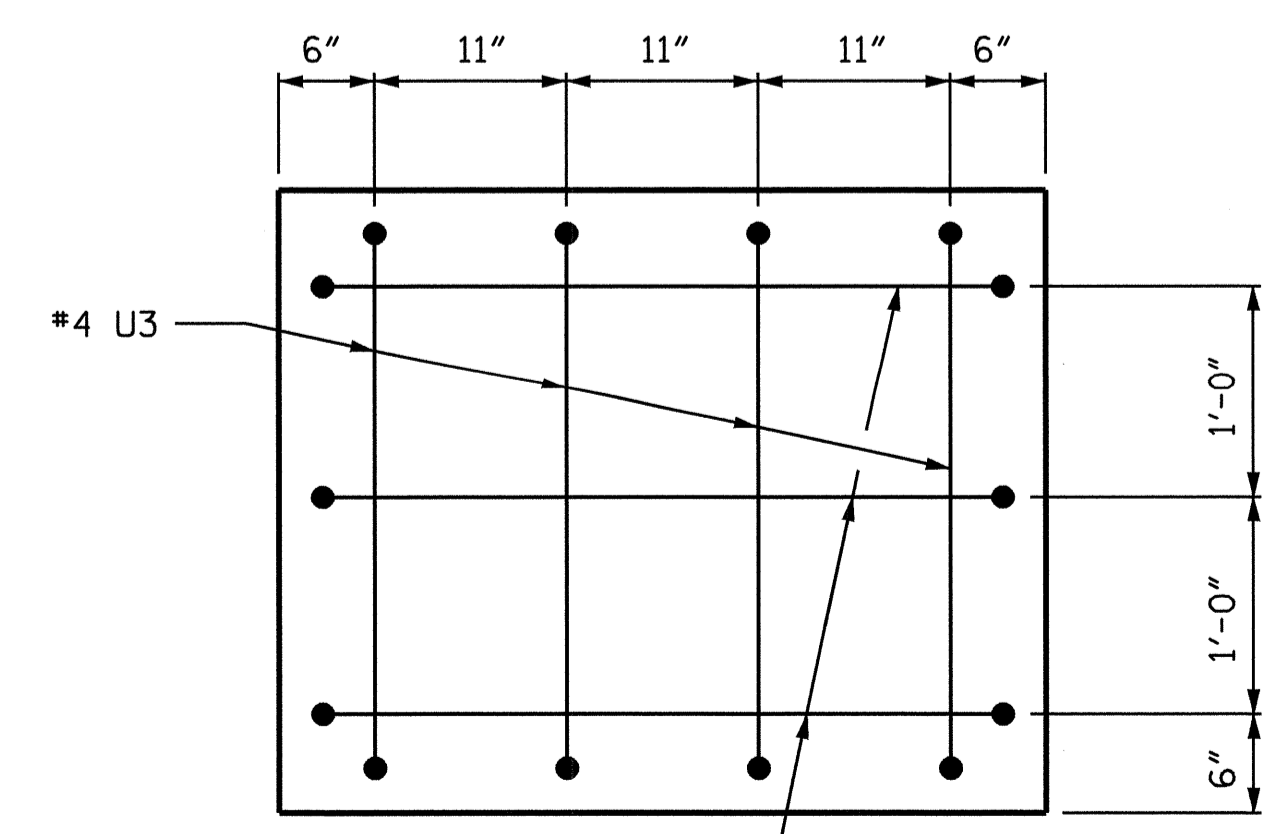
SECTION A-A



CONSTRUCTION JOINT DETAIL



VIEW X-X



VIEW Y-Y

DRAWN BY : R. G. EMERSON DATE : 02/04  
 CHECKED BY : MIKE BRITT DATE : 02/04

PROJECT NO. B-3403  
 ALLEGHANY COUNTY  
 STATION: 15+17.50 -L-

SHEET 2 OF 2

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 SUBSTRUCTURE  
 BENT No. 1



REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	S-22	
1			3			TOTAL	34
2			4				