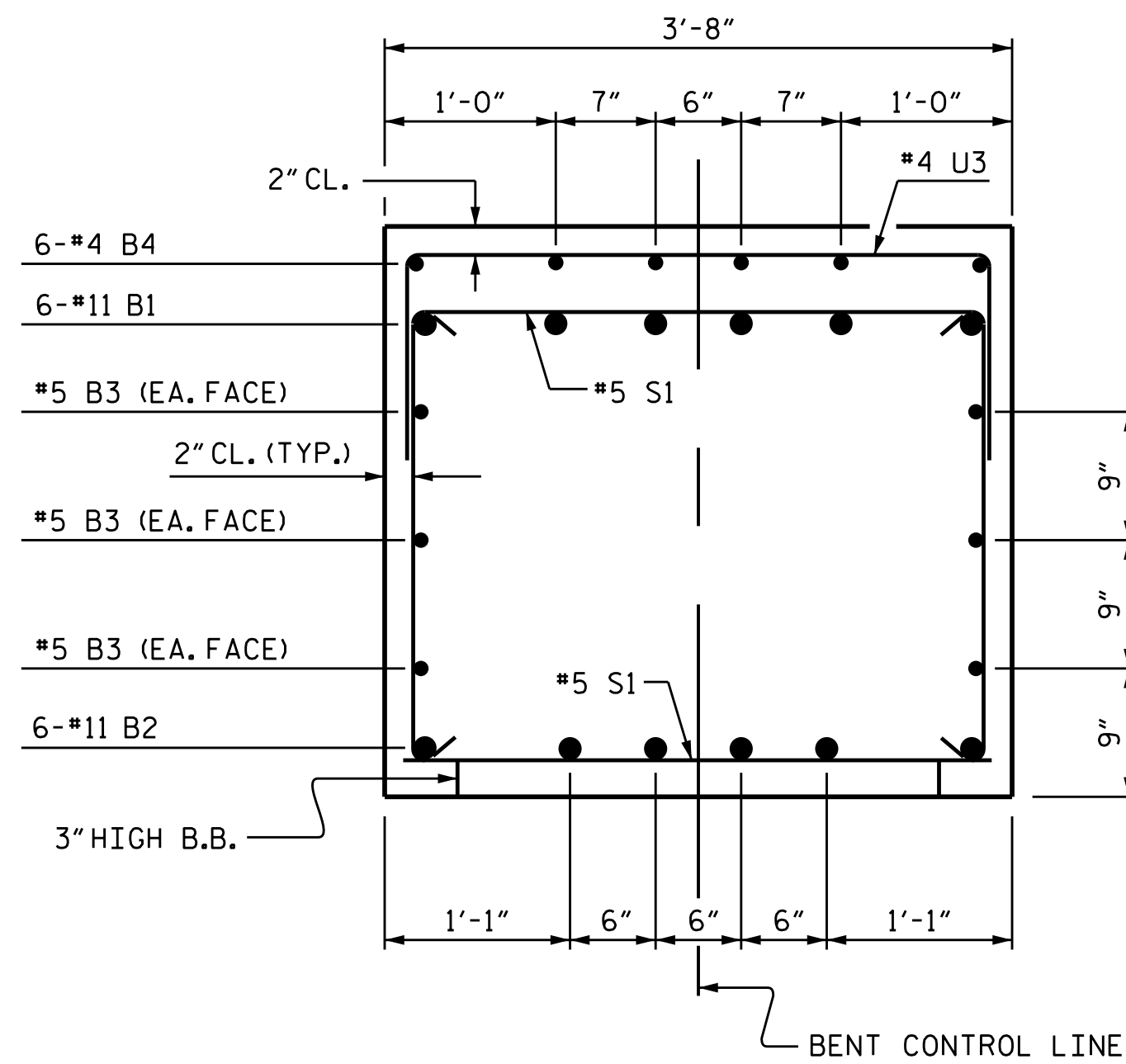
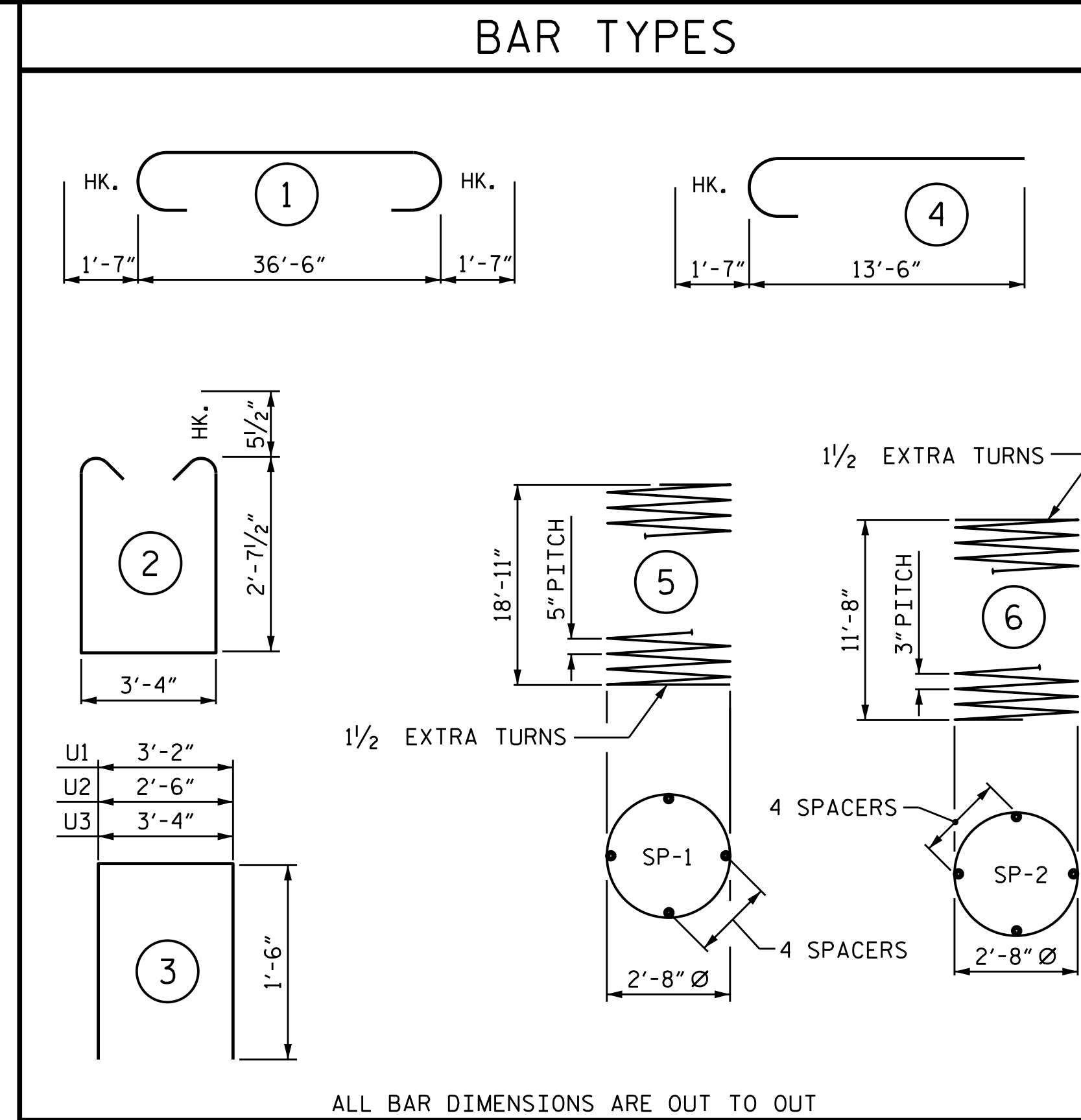


**SECTION A-A**

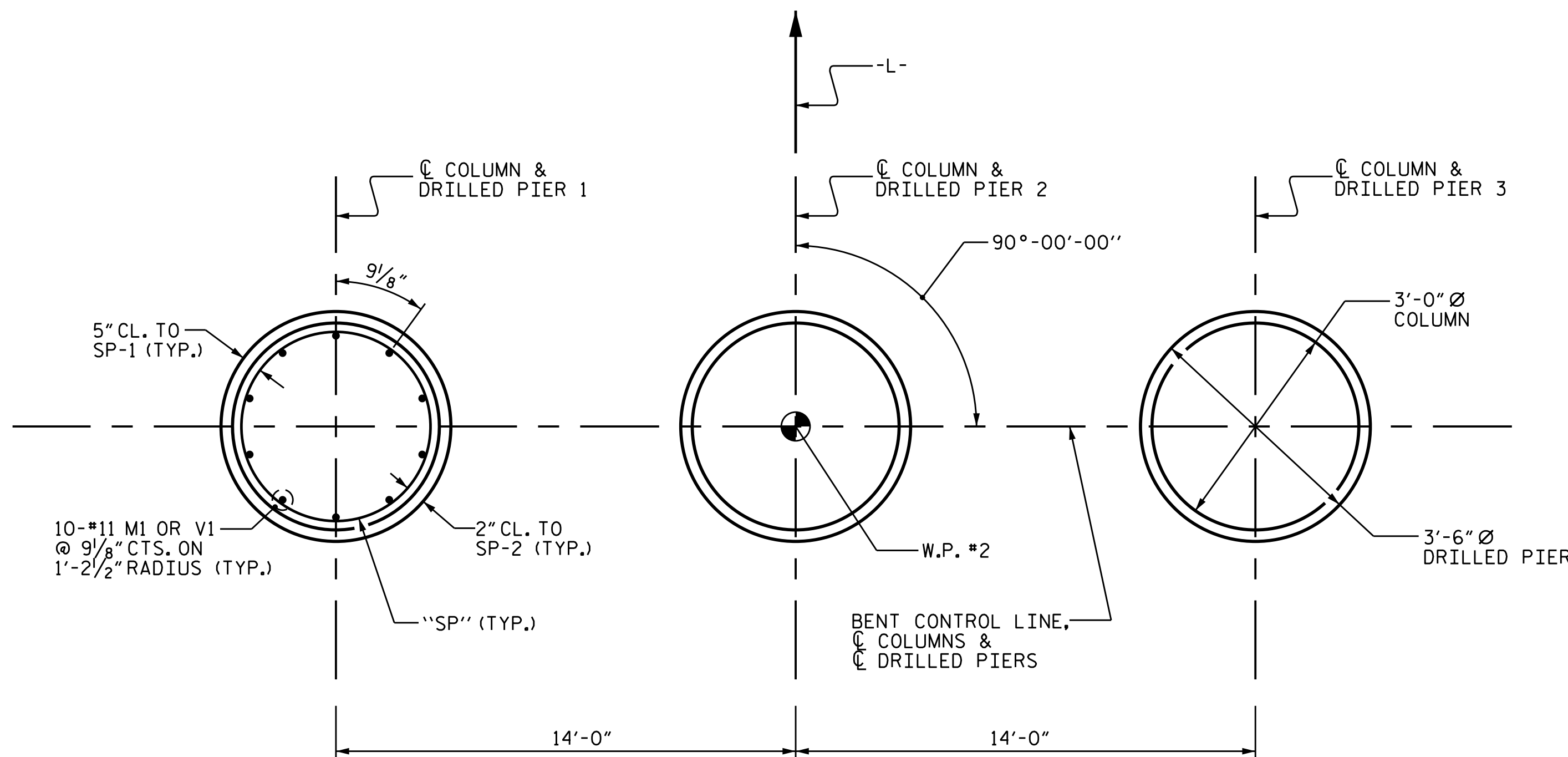


**SECTION B-B**

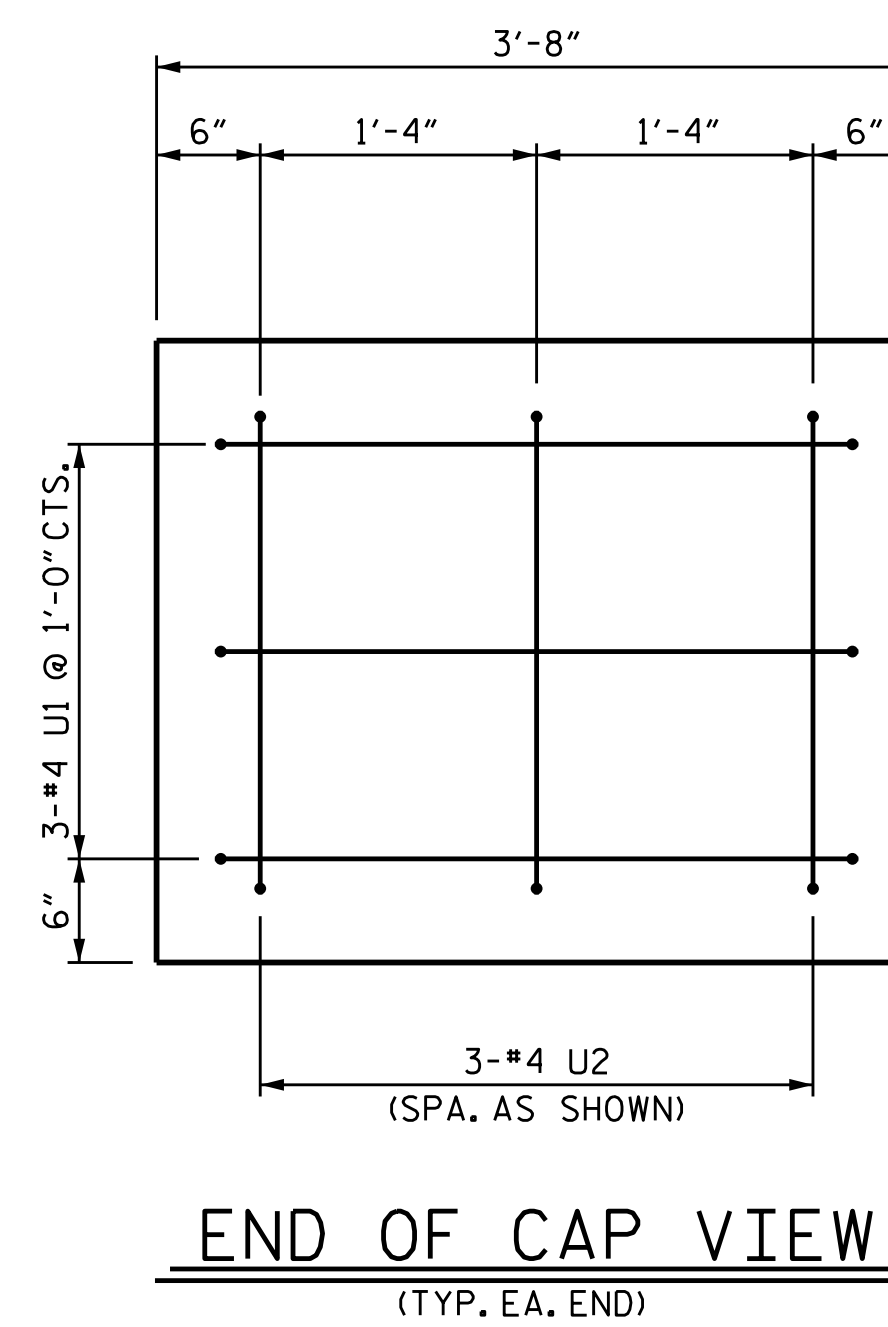


ALL BAR DIMENSIONS ARE OUT TO OUT

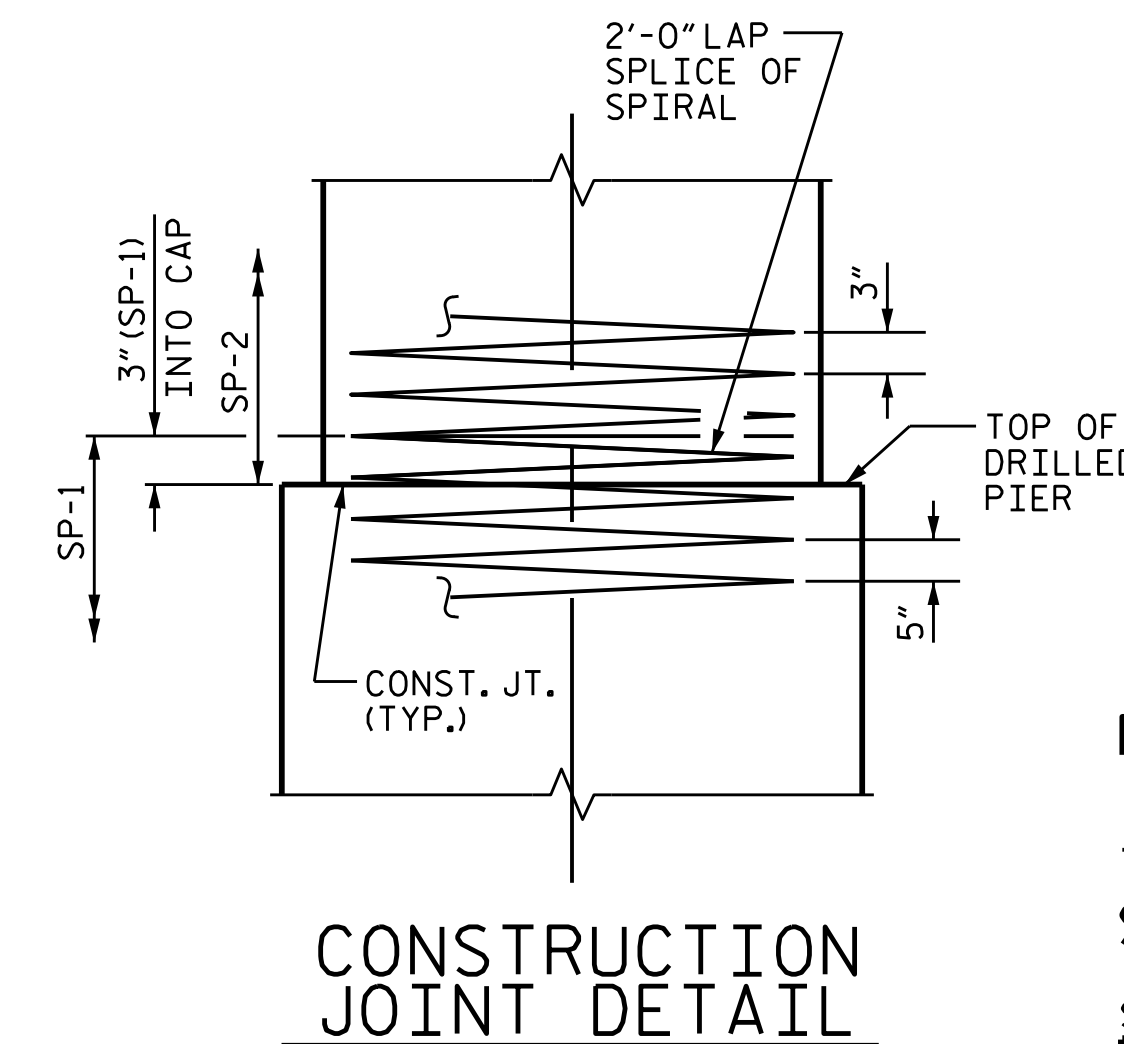
BILL OF MATERIAL					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	6	#11	1	39'-8"	1,264
B2	6	#11	STR.	36'-8"	1,169
B3	6	#5	STR.	36'-8"	229
B4	6	#4	STR.	3'-2"	13
M1	30	#11	STR.	29'-6"	4,703
S1	40	#5	2	9'-6"	396
U1	6	#4	3	6'-2"	25
U2	6	#4	3	5'-6"	22
U3	35	#4	3	6'-4"	148
V1	30	#11	4	15'-1"	2,404
REINFORCING STEEL					10,373 LBS.
SPIRAL REINFORCING STEEL					
SP-1	3	*	5	386'-7"	1,210
SP-2	3	**	6	398'-2"	798
SPIRAL COLUMN REINFORCING STEEL					2,008 LBS.
* 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					
CLASS A CONCRETE BREAKDOWN					
POUR #2 COLUMNS					9.0 CU.YDS.
POUR #3 CAP					15.6 CU.YDS.
TOTAL CLASS A CONCRETE					24.6 CU.YDS.
DRILLED PIERS:					
POUR #1 DRILLED PIERS					20.8 CU.YDS.
3'-6" Ø DRILLED PIER NOT IN SOIL					30.0 LIN. FT.
3'-6" Ø DRILLED PIER IN SOIL					28.3 LIN. FT.
PERMANENT STEEL CASING FOR					
3'-6" Ø DRILLED PIER					31.2 LIN. FT.
CSL TUBES					251 LIN. FT.



**PLAN OF DRILLED PIERS & COLUMNS**  
(DETAILS ARE TYPICAL FOR EACH DRILLED PIER & COLUMN)

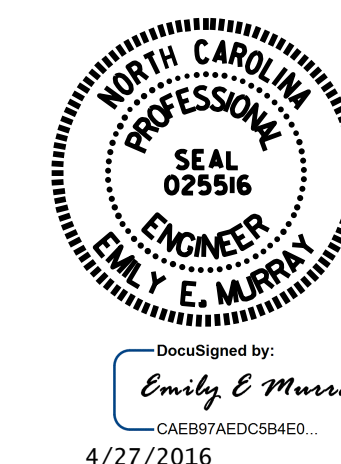


**END OF CAP VIEW**  
(TYP. EA. END)



**CONSTRUCTION JOINT DETAIL**

PROJECT NO. B-4761  
HALIFAX COUNTY  
 STATION: 20+11.00 -L-  
 SHEET 2 OF 2



STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
SUBSTRUCTURE					
BENT 1					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

SHEET NO.	S-24
TOTAL SHEETS	31

DRAWN BY: M.D.PISO DATE: 8-10-2015  
 CHECKED BY: D.G.ELY DATE: 8-26-2015  
 DESIGN ENGINEER OF RECORD: G. KOUCKEKI DATE: 3/14/16

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED