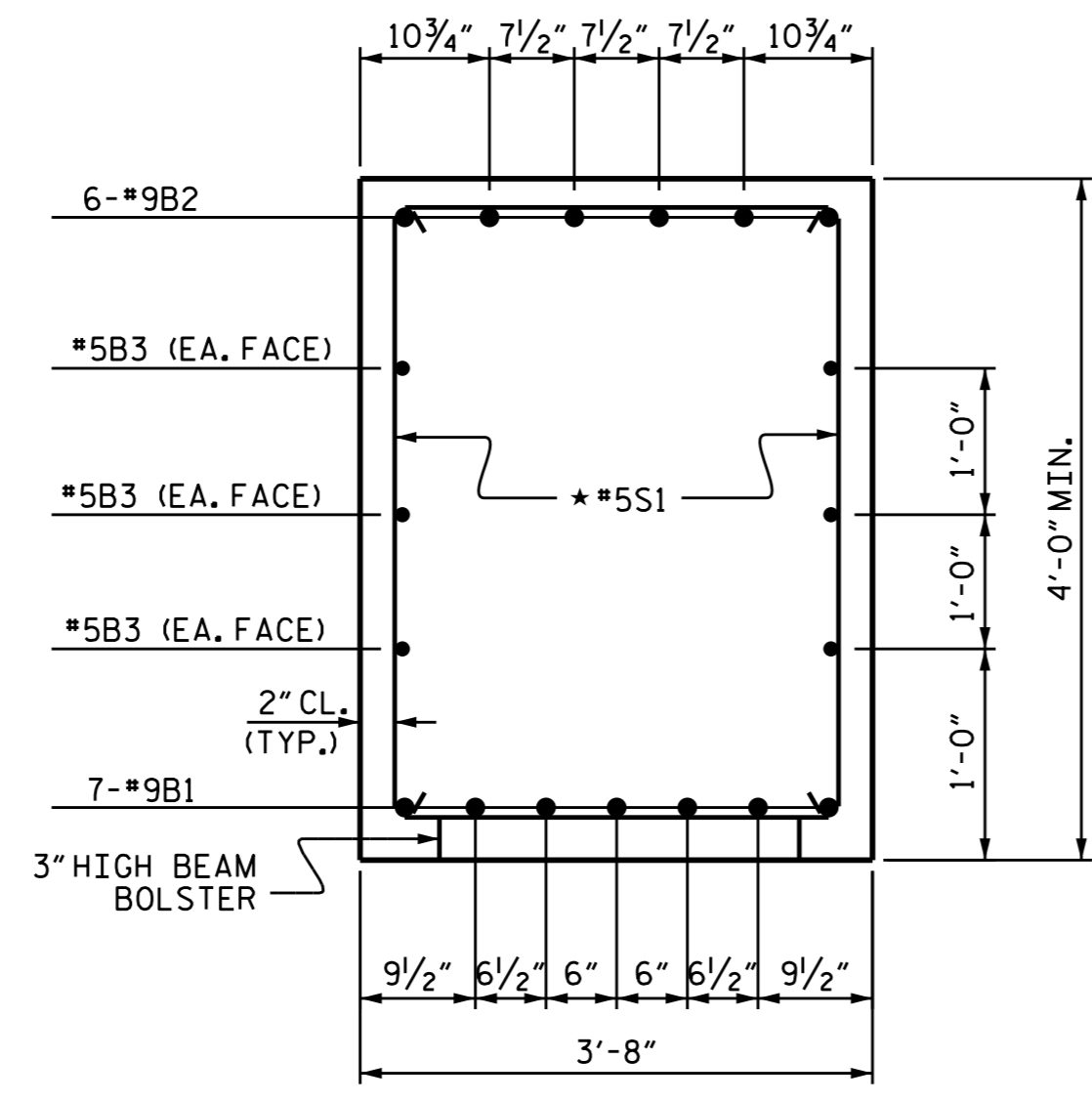
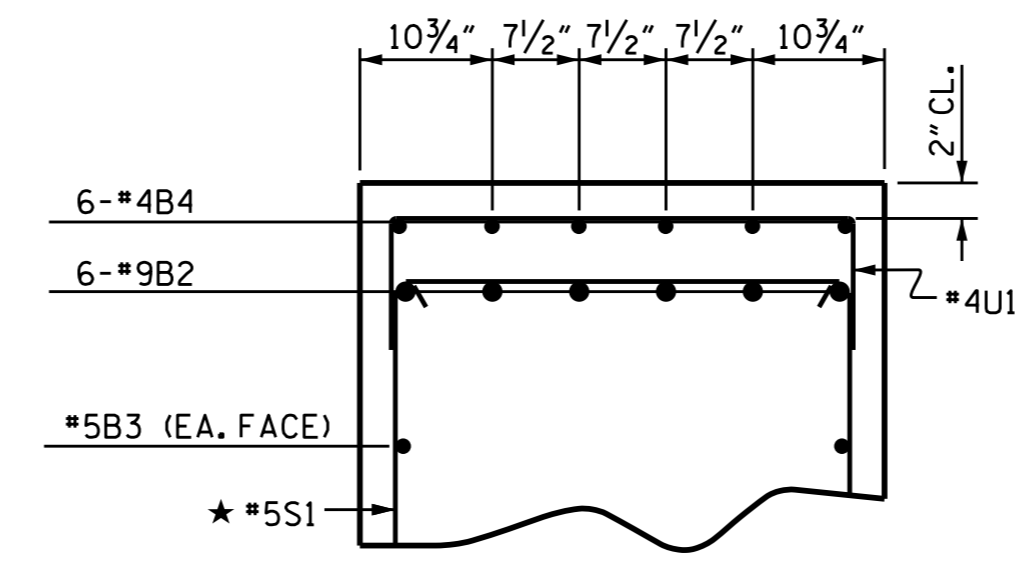


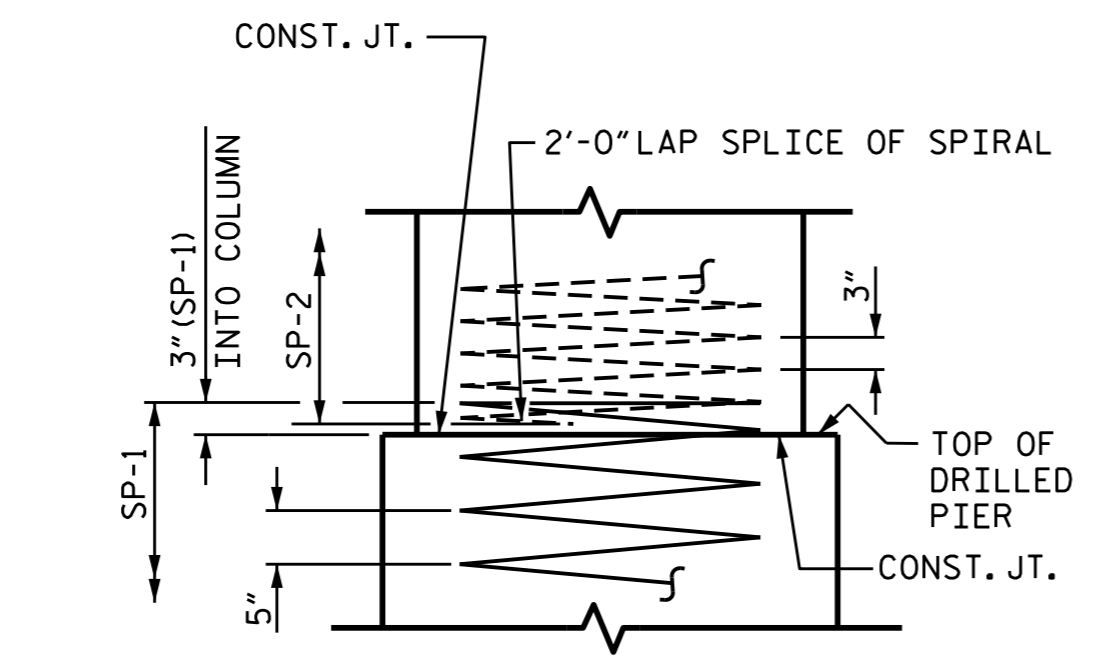
END ELEVATION



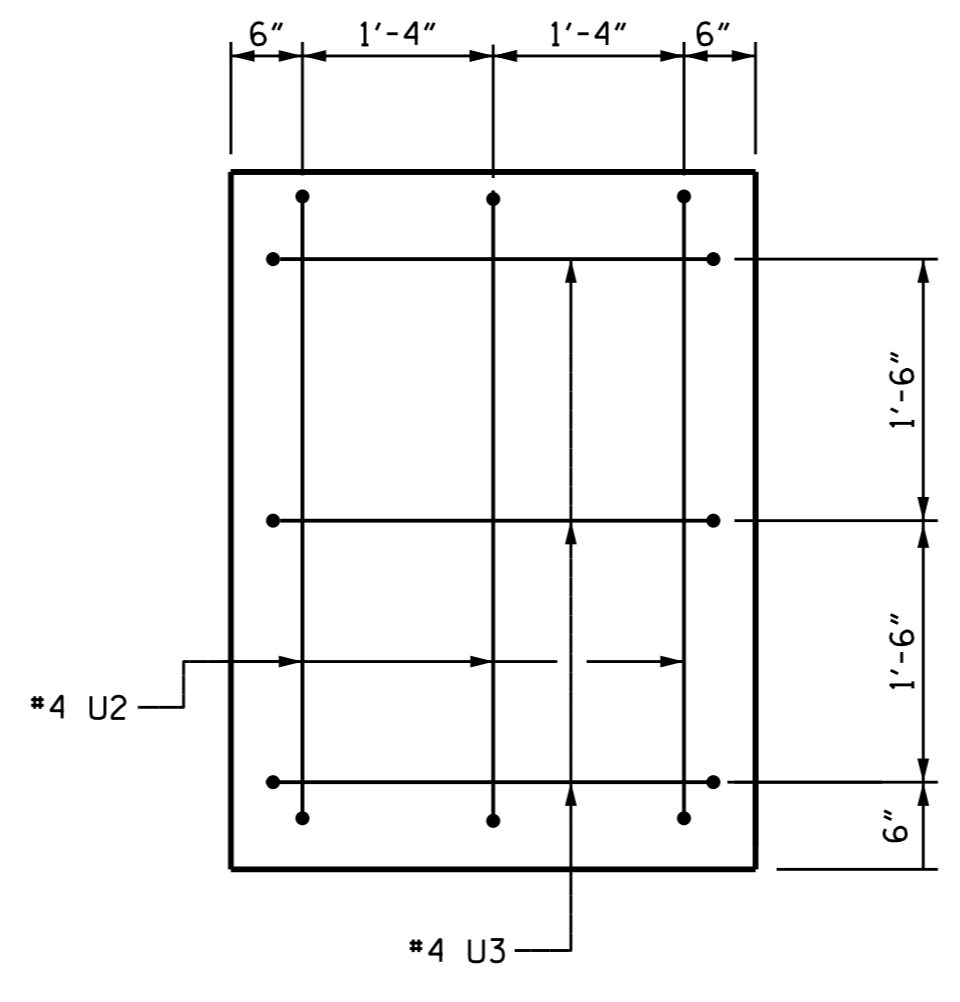
SECTION A-A



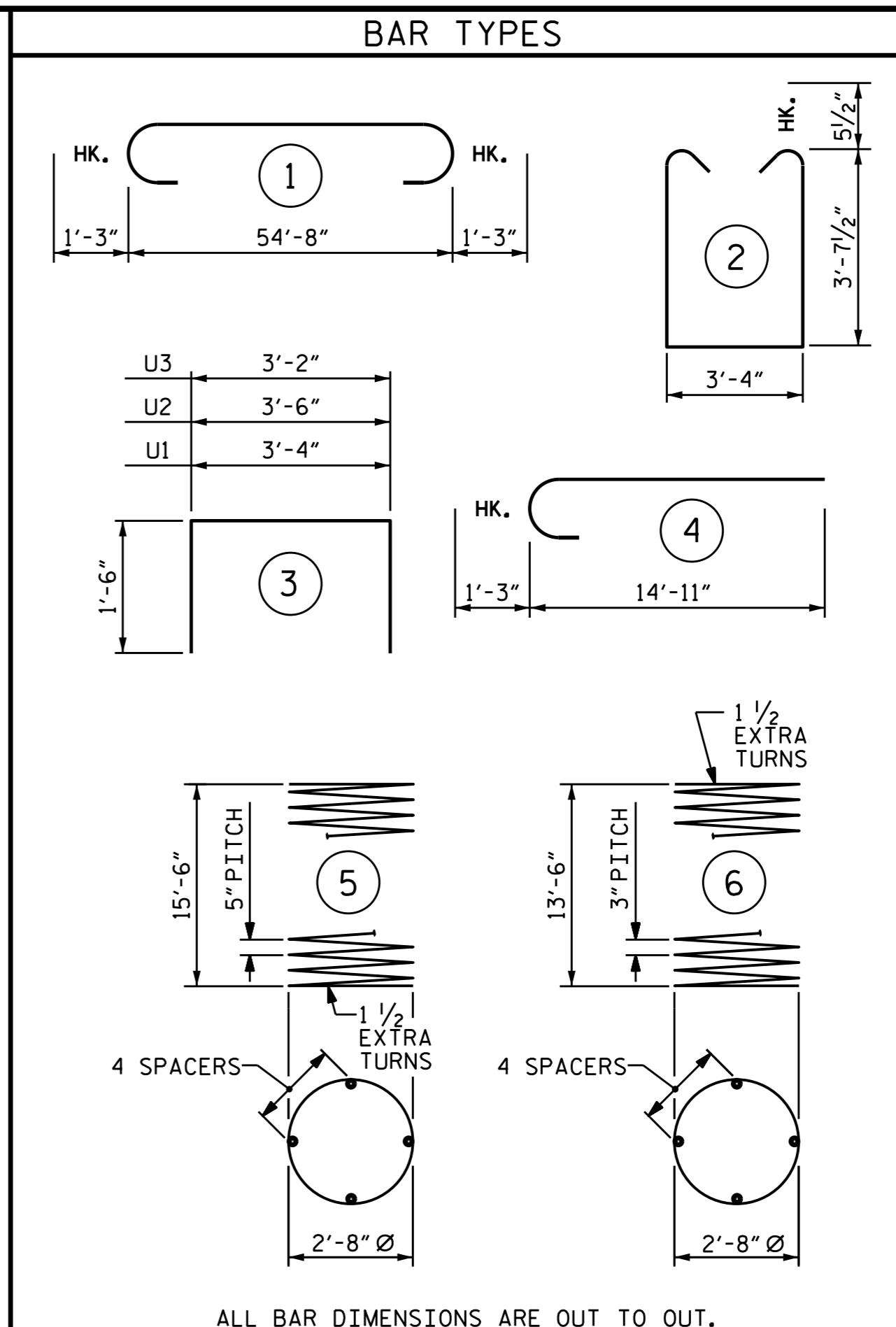
PARTIAL SECTION B-B



CONSTRUCTION JOINT DETAIL



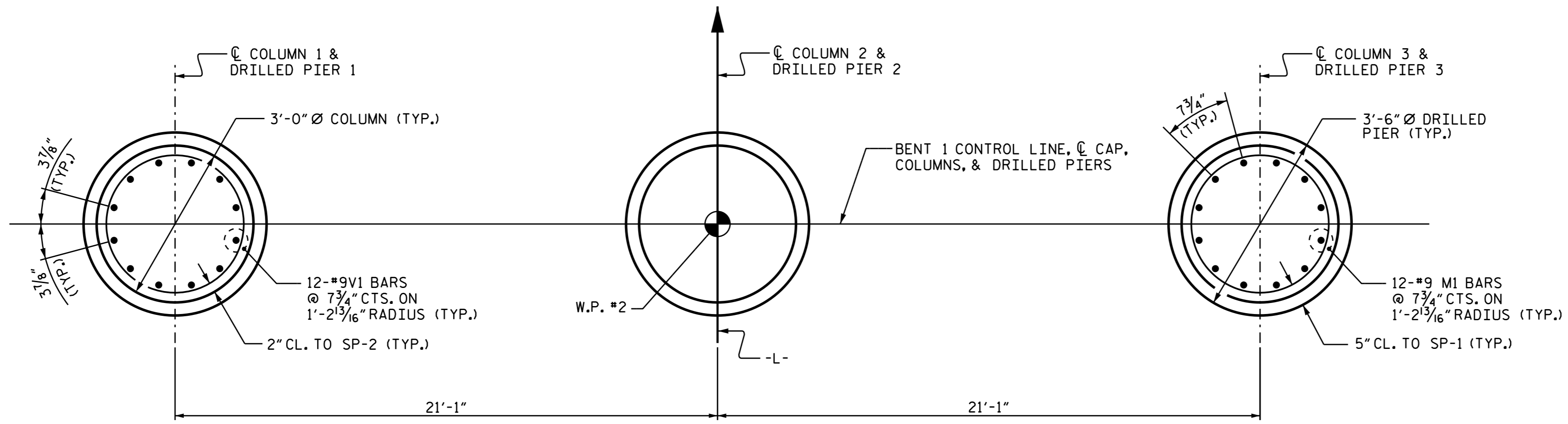
VIEW X-X



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL					
BENT 1					
BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	
B1	7	#9	STR	54'-10"	1305
B2	6	#9	1	57'-2"	1166
B3	6	#5	STR	54'-10"	343
B4	6	#4	STR	13'-5"	54
M1	36	#9	STR	23'-6"	2876
S1	64	#5	2	11'-6"	768
U1	46	#4	3	6'-4"	195
U2	6	#4	3	6'-6"	26
U3	6	#4	3	6'-2"	25
V1	36	#9	4	16'-2"	1979
REINFORCING STEEL =				LBS	8,737
SP-1	3	*	5	318'-1"	995
SP-2	3	**	6	457'-0"	916
SPIRAL COLUMN REINFORCING STEEL				LBS	1,911
CLASS A CONCRETE					
POUR #2 (COLUMNS)				C.Y.	10.4
POUR #3 (CAP)				C.Y.	31.3
TOTAL CLASS A CONCRETE				C.Y.	41.7
DRILLED PIERS:					
DRILLED PIER CONCRETE				C.Y.	23.4
POUR #1 (DRILLED PIERS) IN SOIL				LIN. FT.	25.00
3'-6" Ø DRILLED PIERS NOT IN SOIL				LIN. FT.	23.00
PERMANENT STEEL CASING FOR 3'-6" Ø DRILLED PIERS				LIN. FT.	27.81
CSL TUBES				LIN. FT.	210.00

\* 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.

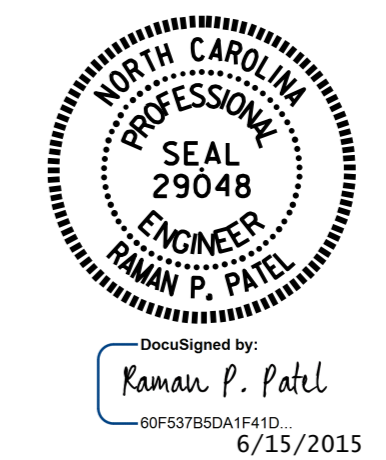


PLAN OF DRILLED PIERS & COLUMNS

(DETAILS ARE TYPICAL EACH DRILLED PIER & COLUMN)

PROJECT NO. B-5105  
 MECKLENBURG COUNTY  
 STATION: 20+08.00 -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		
					TOTAL SHEETS
					38



DRAWN BY: R.P. PATEL DATE: 3-20-14  
 CHECKED BY: K.D. LAYNE DATE: 3-25-14  
 DESIGN ENGINEER OF RECORD: R.P. PATEL DATE: 6-2-14