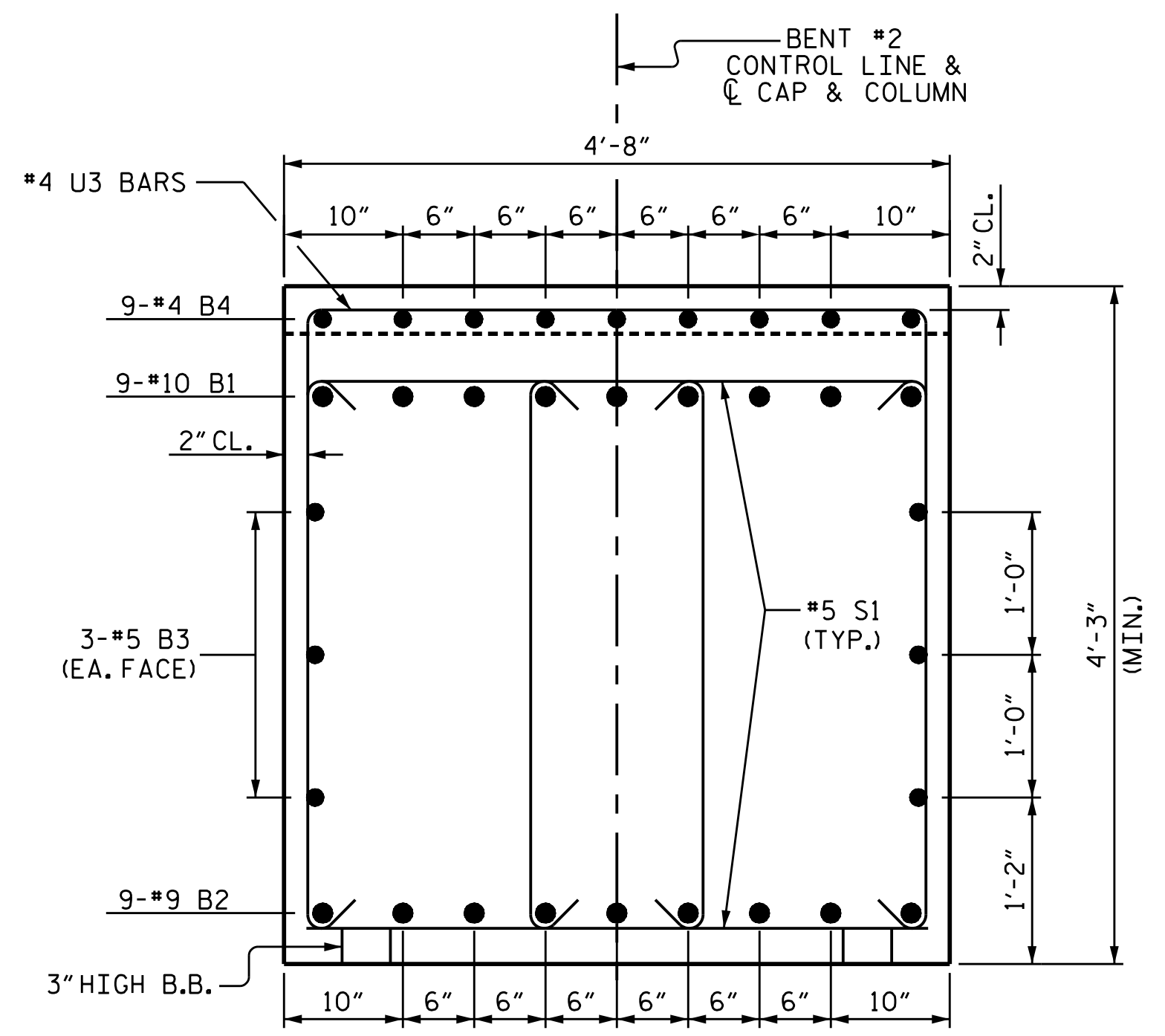
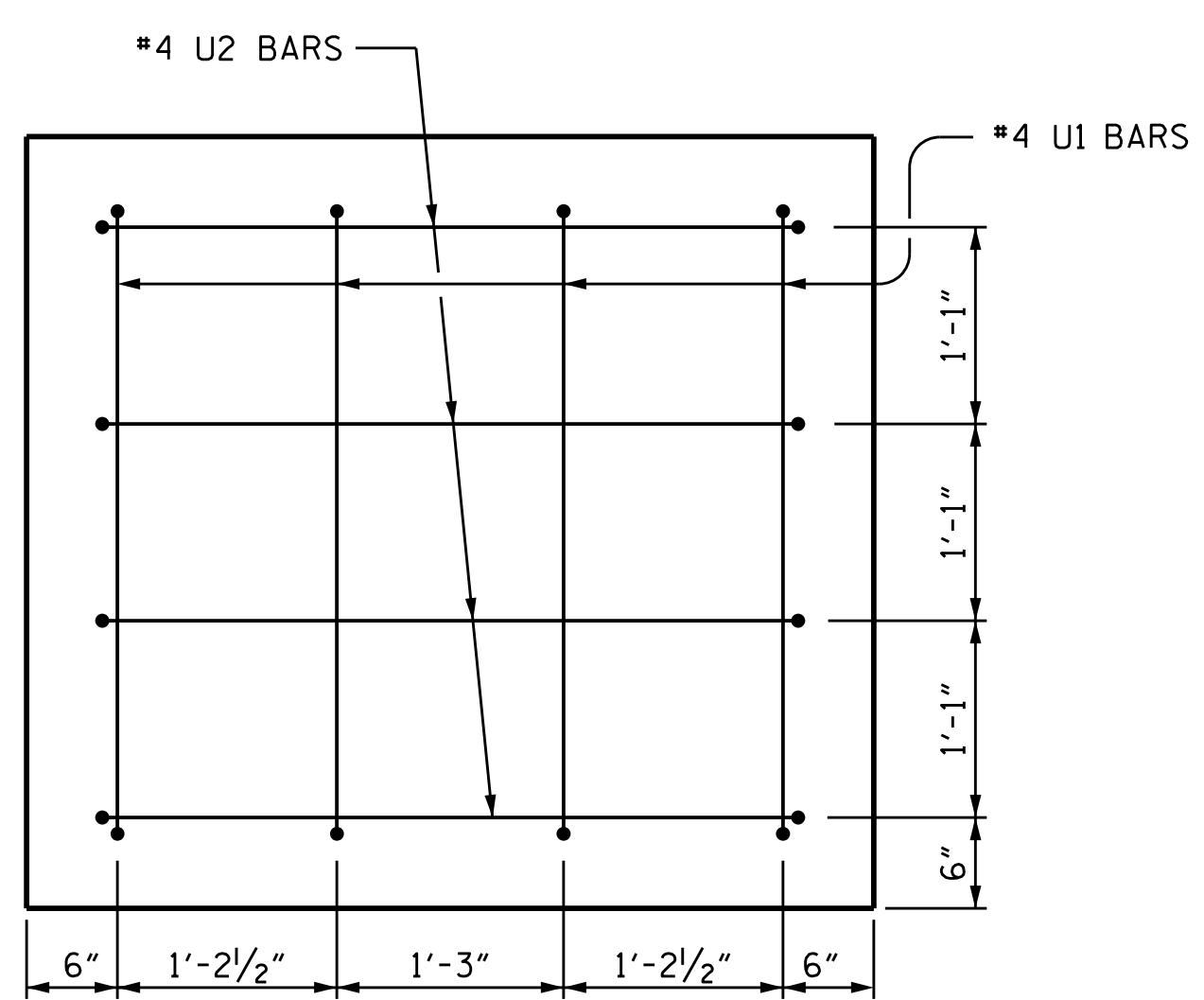


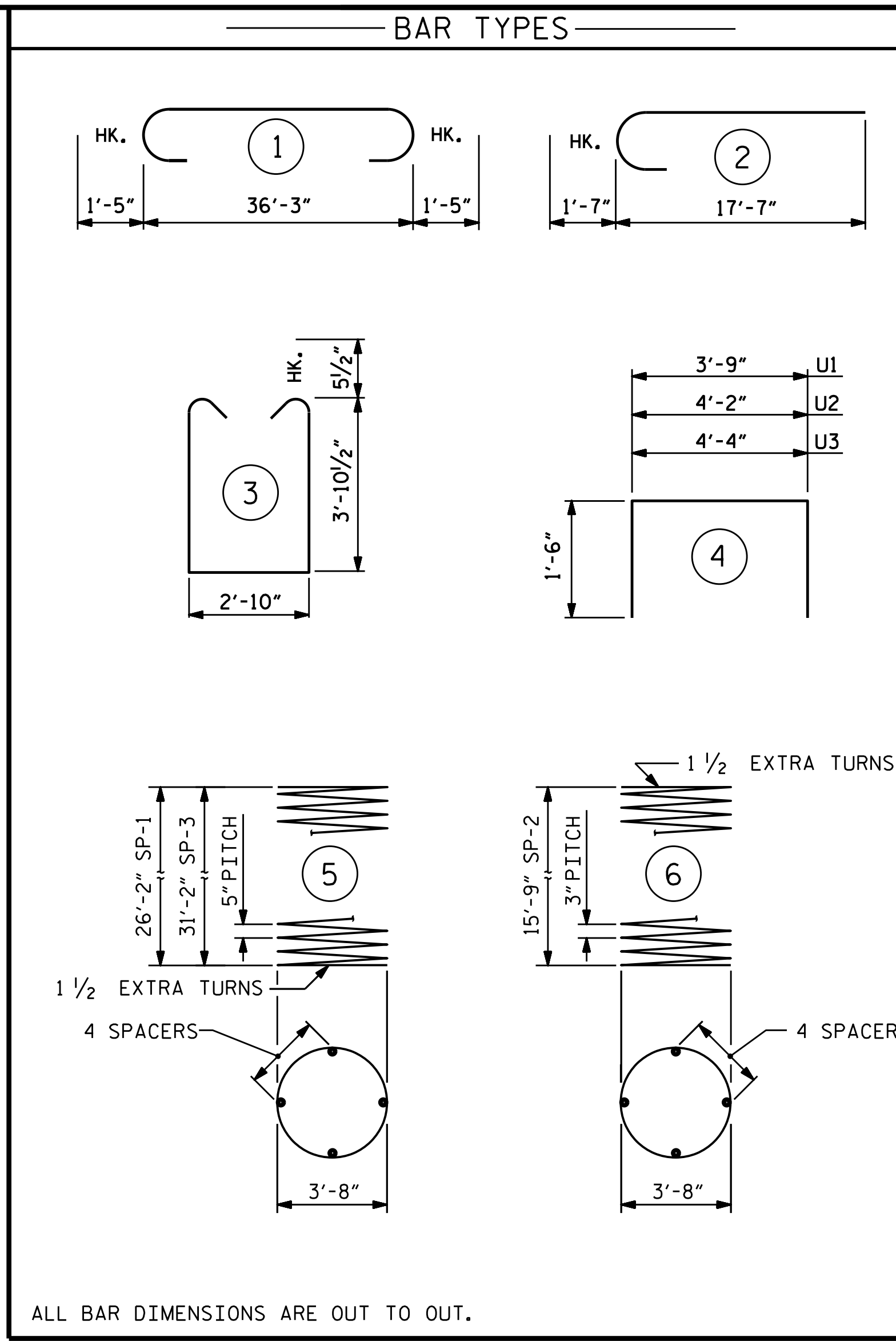
PLAN OF COLUMNS AND DRILLED PIERS
 REINFORCING STEEL AND DIMENSIONS ARE TYPICAL FOR ALL COLUMNS AND DRILLED PIERS



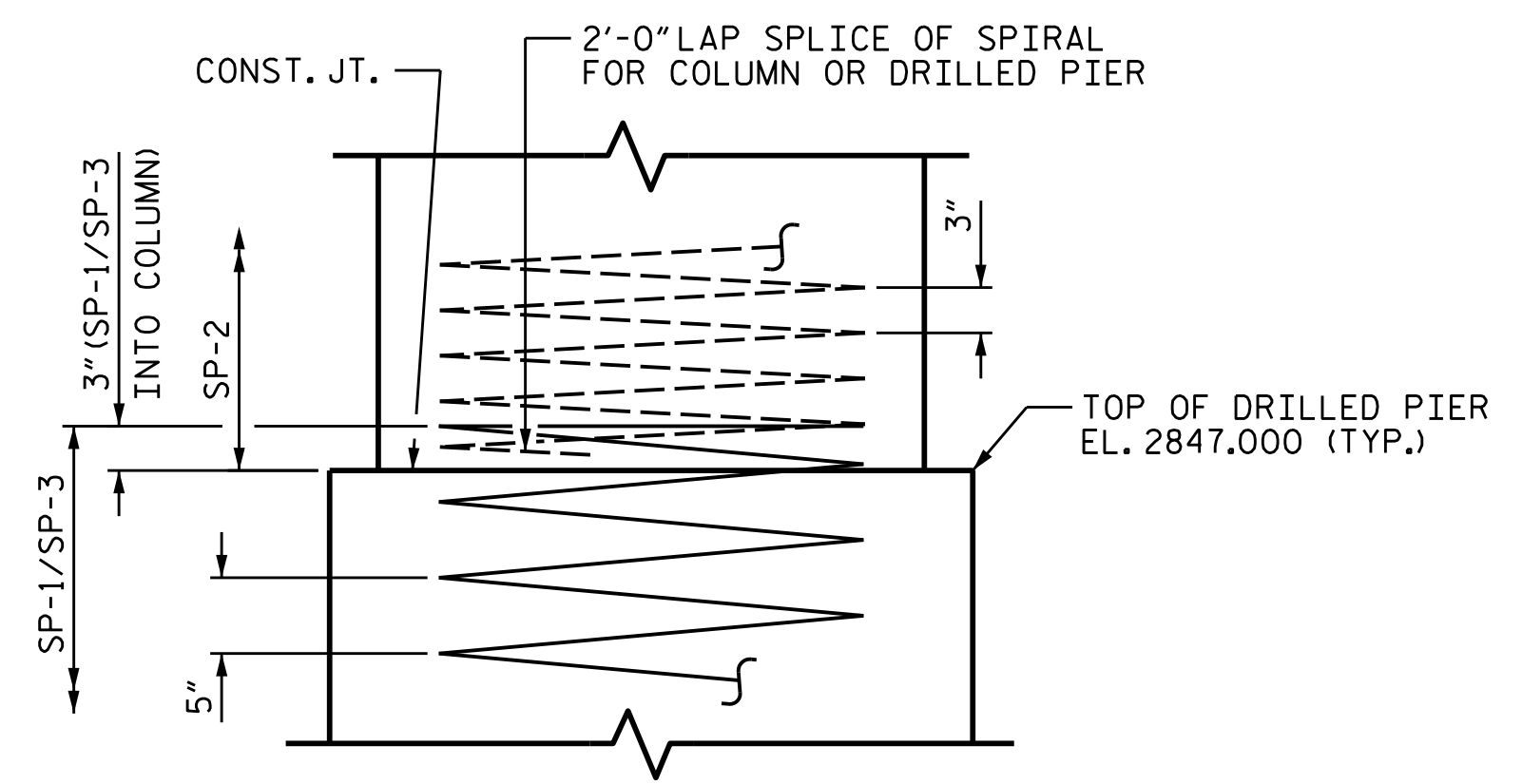
SECTION A-A



END VIEW
 (TYP. EA. END)



ALL BAR DIMENSIONS ARE OUT TO OUT.
 ** THE SP-1/SP-3 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.

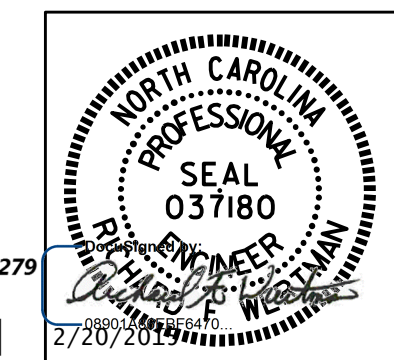


CONSTRUCTION JOINT DETAIL

BILL OF MATERIAL					
BENT #2					
BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	
B1	9	#10	1	39'-1"	1514
B2	9	#9	STR	36'-5"	1114
B3	6	#5	STR	36'-5"	228
B4	9	#4	STR	15'-3"	92
M1	9	#11	STR	36'-10"	1761
M2	9	#11	STR	41'-10"	2000
S1	96	#5	3	11'-6"	1151
U1	8	#4	4	6'-9"	36
U2	8	#4	4	7'-2"	38
U3	40	#4	4	7'-4"	196
V1	18	#11	2	19'-2"	1833
REINFORCING STEEL					9963 LBS.
SP-1	1	**	5	738'-8"	770
SP-2	2	***	6	740'-5"	989
SP-3	1	**	5	875'-0"	913
SPIRAL COLUMN REINFORCING STEEL					2672 LBS.
CLASS A CONCRETE BREAKDOWN					
POUR 2 (COLUMNS)					14.4 C.Y.
POUR 3 (CAPS)					28.4 C.Y.
TOTAL CLASS A CONCRETE					42.8 C.Y.
DRILLED PIER CONCRETE BREAKDOWN					
POUR 1 (DRILLED PIERS)					34.3 C.Y.
4'-6" Ø DRILLED PIER IN SOIL :					LINEAR FEET 19.2 FT.
4'-6" Ø DRILLED PIER NOT IN SOIL :					LINEAR FEET 39.0 FT.
PERMANENT STEEL CASING FOR 4'-6" Ø DRILLED PIERS:					10.0 FT.
CSL TUBES:					244.8 FT.

DRAWN BY : T.J. KIRSCHBAUM DATE : 10/22/14
 CHECKED BY : R.F. WERTMAN DATE : 11/7/14
 DESIGN ENGINEER OF RECORD : R.F. WERTMAN DATE : 11/7/14

PLANS PREPARED BY:
Gannett Fleming
 Excellence Delivered As Promised
 1121 Situs Court
 Suite 170
 Raleigh NC 27606-4279
 (919) 859-4880
 NCLic. No. F-0270



PROJECT NO. R-2915B
ASHE COUNTY
 STATION: 242+67.42 -L-
 SHEET 2 OF 2

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

SHEET NO. S04-29				
TOTAL SHEETS 35				