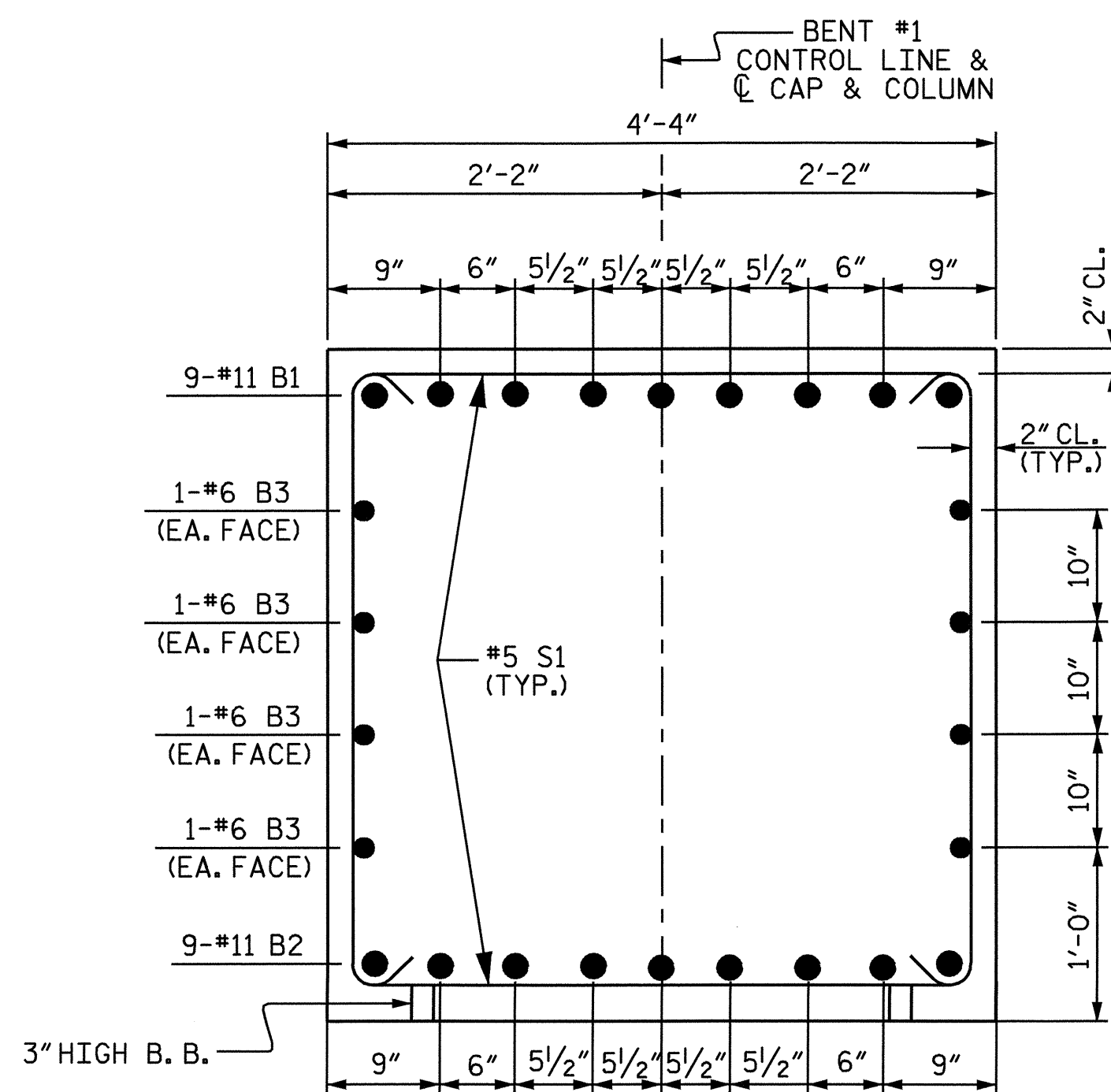
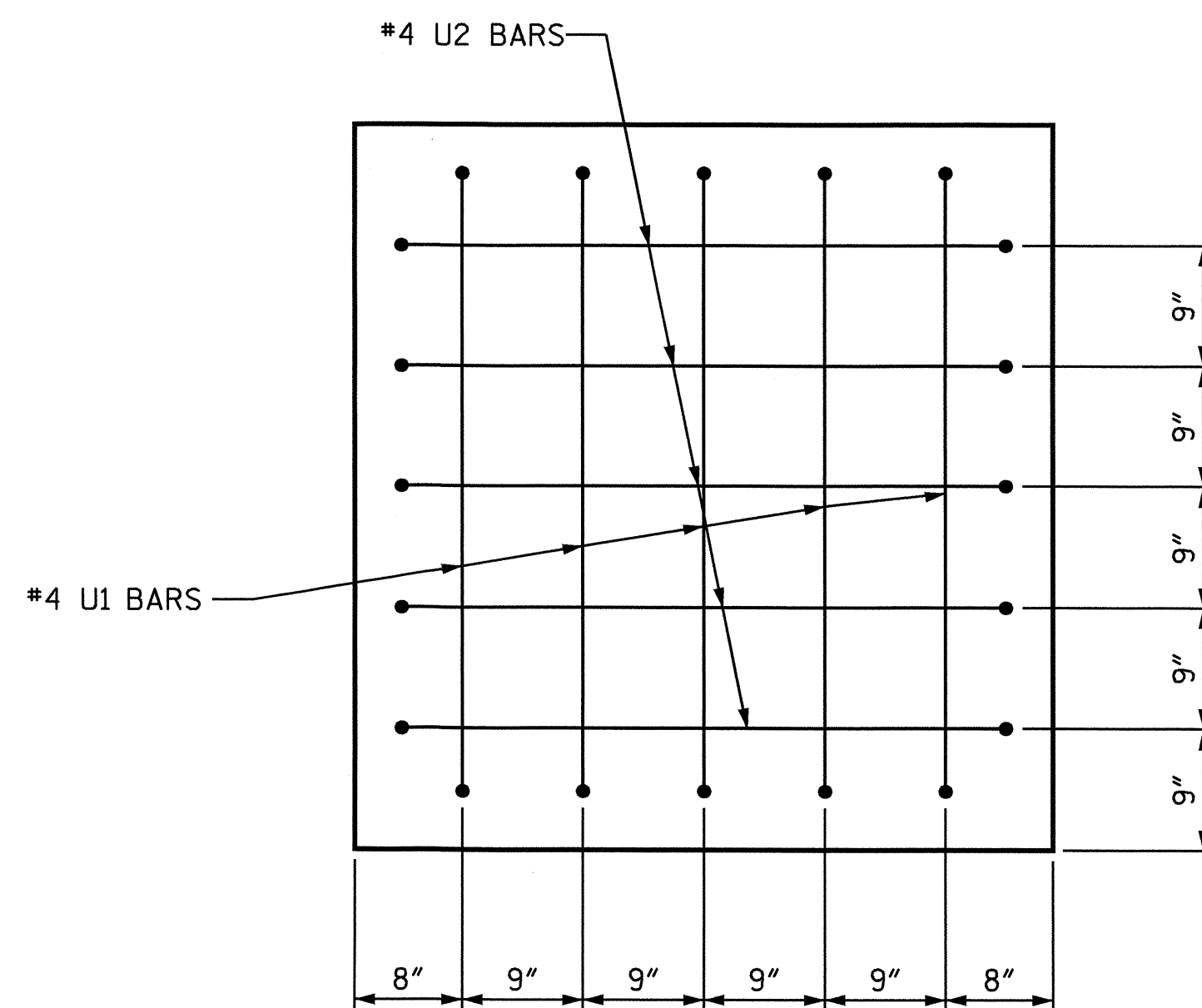


PLAN OF COLUMNS AND DRILLED PIERS

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

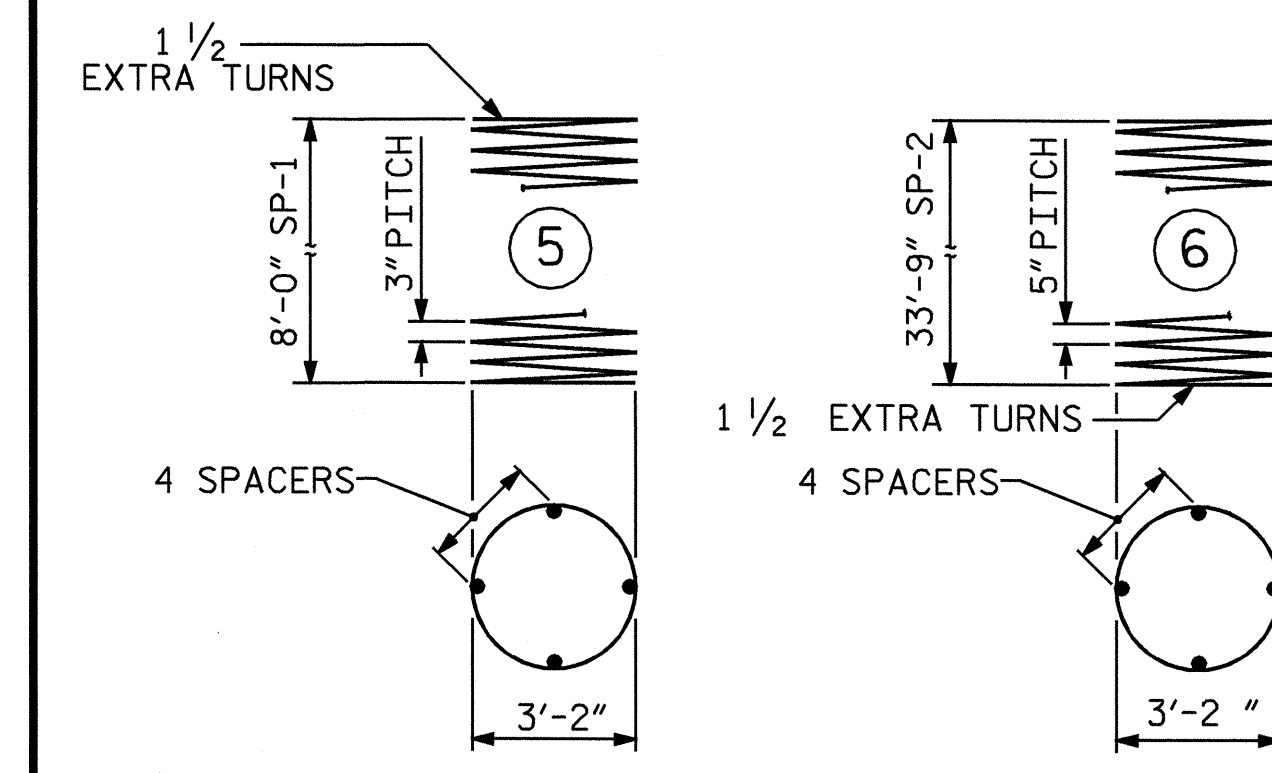


SECTION A-A

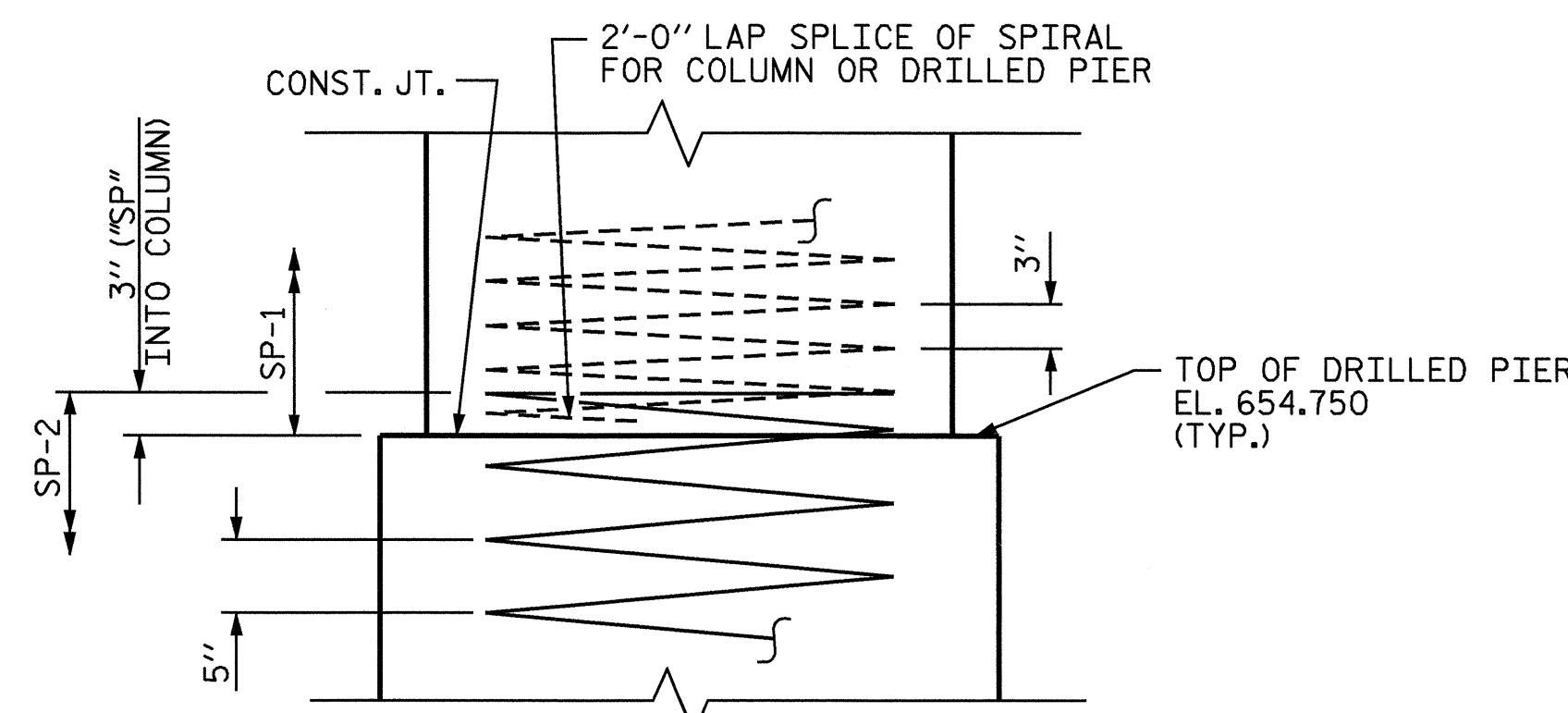


VIEW X-X

BAR TYPES						BILL OF MATERIAL					
						BENT #1					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT						
B1	9	11	1	44'-11"	2148						
B2	9	11	STR	41'-10"	2000						
B3	8	6	STR	41'-10"	503						
M1	40	11	STR	44'-2"	9386						
S1	74	5	3	13'-2"	1016						
U1	46	4	4	7'-0"	215						
U2	10	4	4	6'-10"	46						
V1	40	11	2	11'-5"	1213						
REINFORCING STEEL						16527 LBS.					
SP-1	2	**	5	333'-11"	446						
SP-2	2	***	6	812'-11"	1696						
SPIRAL COLUMN REINFORCING STEEL						2142 LBS.					
CLASS A CONCRETE BREAKDOWN											
POUR 2 (COLUMNS)						5.5 C.Y.					
POUR 3 (CAP)						31.5 C.Y.					
TOTAL CLASS A CONCRETE						37.0 C.Y.					
4'-0" Ø DRILLED PIERS											
DRILLED PIER CONCRETE BREAKDOWN											
POUR 1 (DRILLED PIERS)						31.9 C.Y.					
4'-0" Ø DRILLED PIER IN SOIL :						LINEAR FEET 64.0 FT.					
4'-0" Ø DRILLED PIER NOT IN SOIL :						LINEAR FEET 4.5 FT.					
PERMANENT STEEL CASING FOR 4'-0" Ø DRILLED PIERS:						15.5 FT.					
CROSSHOLE SONIC LOGGING						1 EA.					
CSL TUBES:						294.0 FT.					



ALL BAR DIMENSIONS ARE OUT TO OUT.
 *** THE SP-2 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORMED BAR.
 ** THE SP-1 SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #4 PLAIN OR DEFORMED BAR.



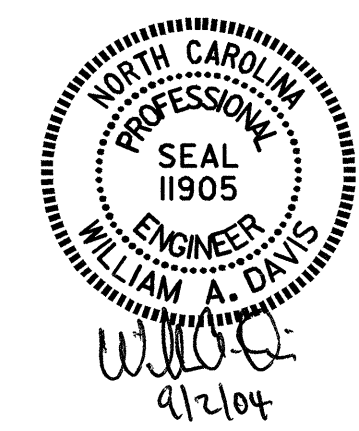
CONSTRUCTION JOINT DETAIL

PROJECT NO. B-4096
DAVIDSON COUNTY
 STATION: 20+38.40 -L-

SHEET 2 OF 2
 STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

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

TOTAL SHEETS 33



DRAWN BY : J.D.HAWK DATE : 4/26/04
 CHECKED BY : N.M.RUFFIN DATE : 6/15/04