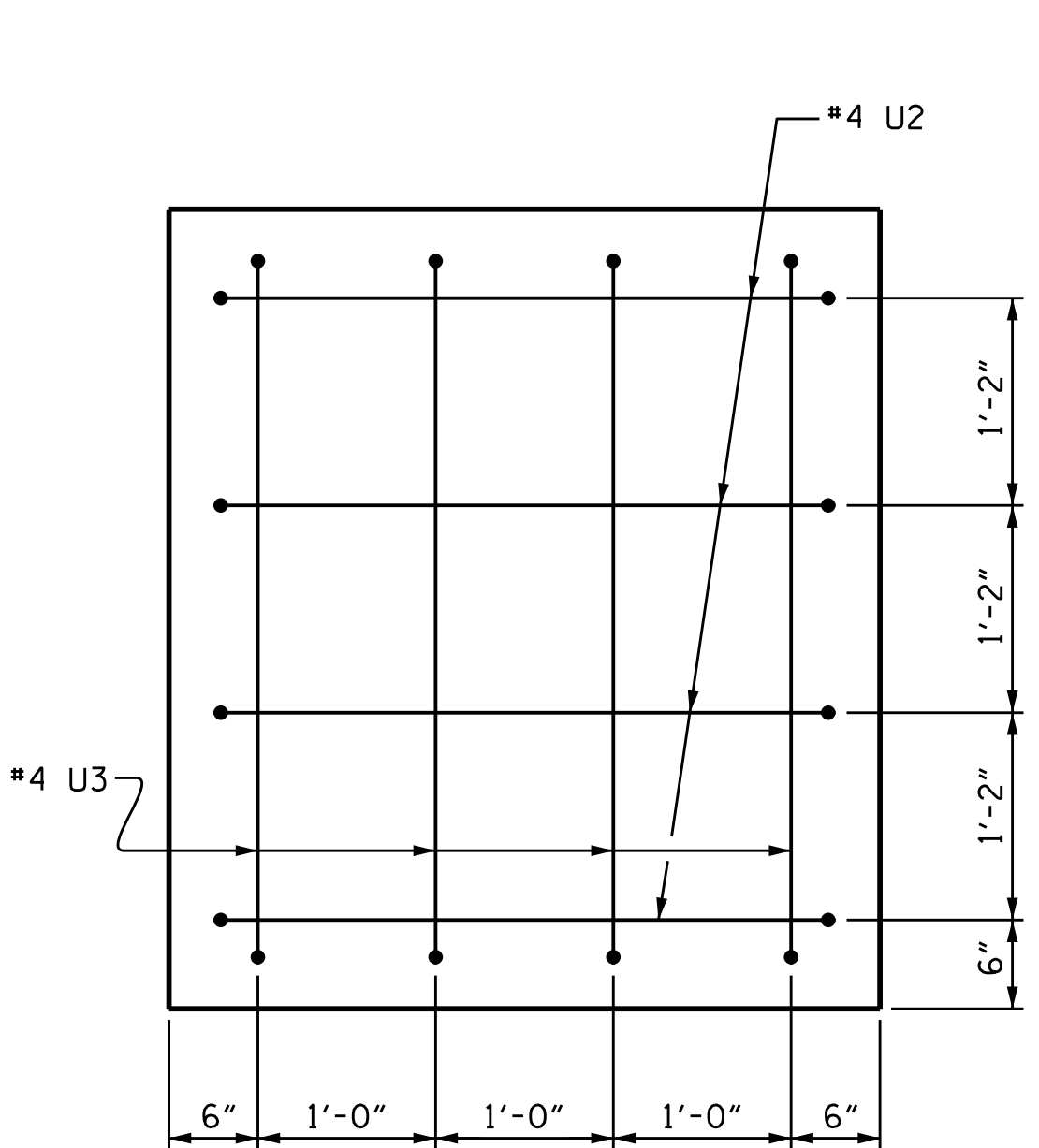


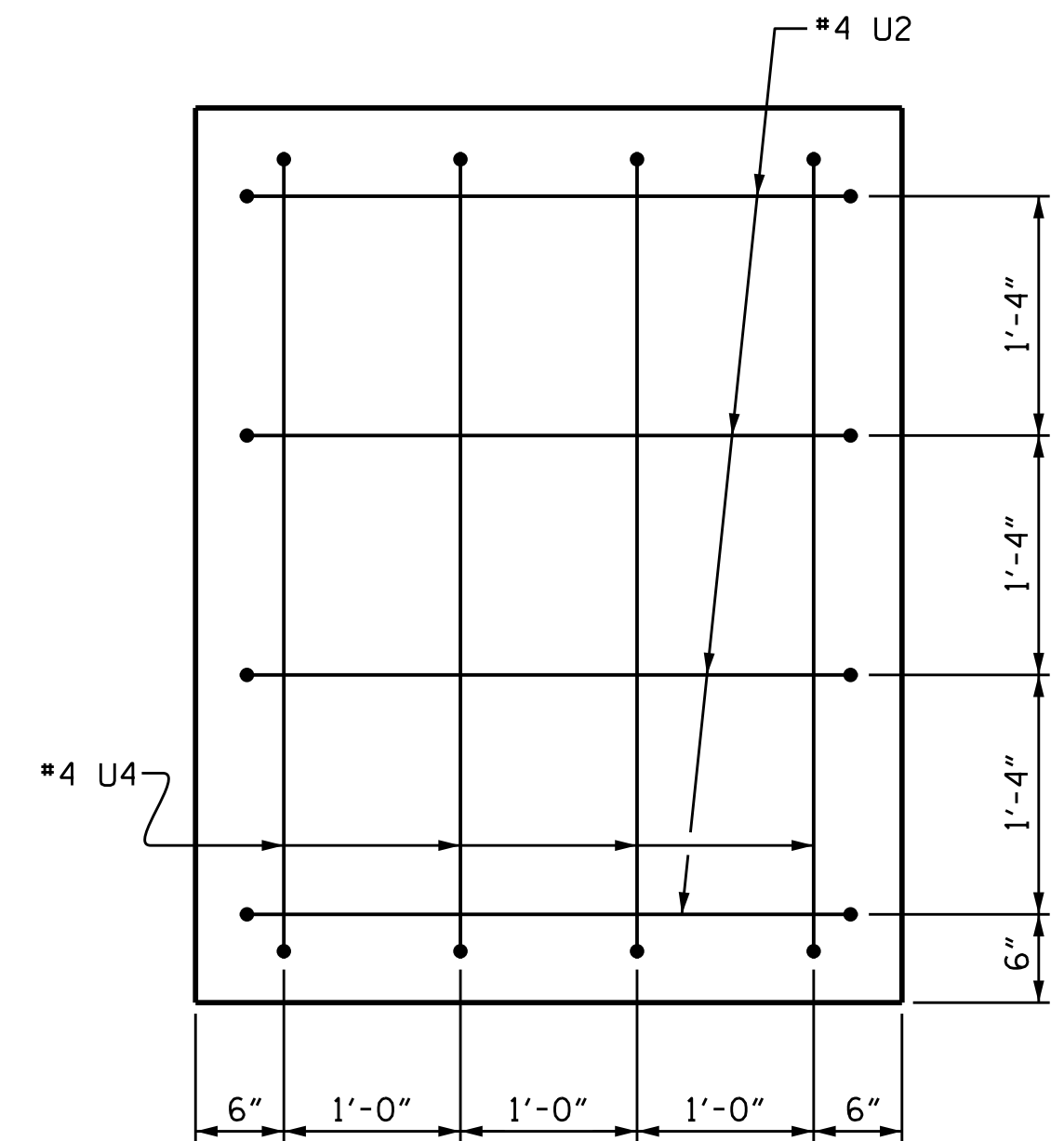
PLAN OF COLUMNS
(TYP.)

PLAN OF DRILLED PIERS
(TYP.)

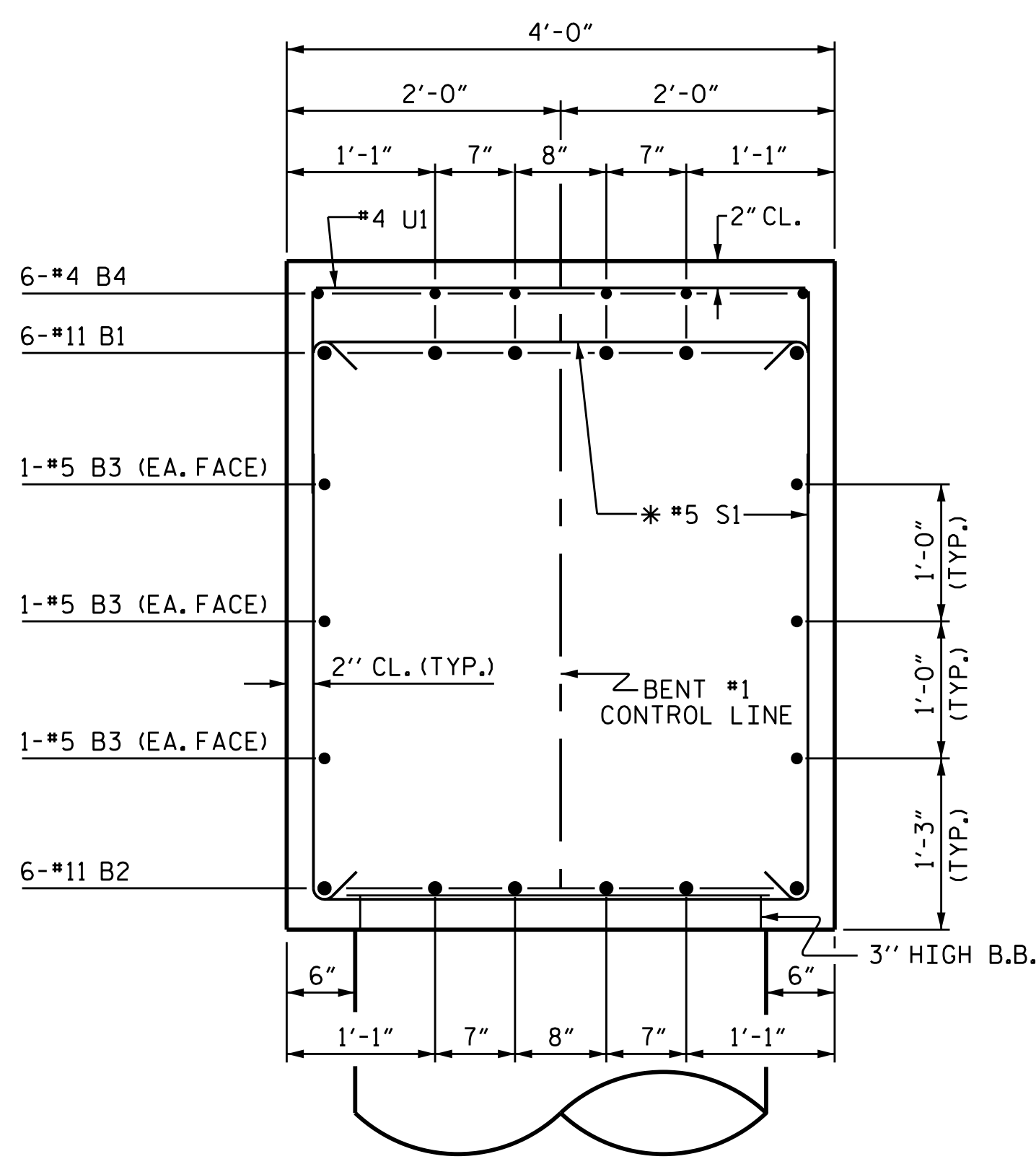
PLAN OF COLUMNS AND DRILLED PIERS



VIEW X-X



VIEW Y-Y



SECTION A-A

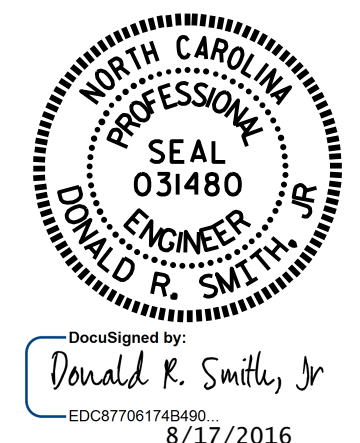
* INVERT ALTERNATE STIRRUPS

BAR TYPES		BILL OF MATERIAL				
		BENT #1				
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	
B1	6	#11		42'-5"	1352	
B2	6	#11	STR	39'-5"	1257	
B3	6	#5	STR	39'-5"	247	
B4	12	#4	STR	11'-8"	94	
B5	6	#4	STR	4'-1"	16	
S1	61	#5	3	12'-10"	816	
U1	45	#4	4	6'-8"	200	
U2	8	#4	4	6'-6"	35	
U3	4	#4	4	7'-0"	19	
U4	4	#4	4	7'-6"	20	
V1	10	#11	2	42'-11"	2280	
V2	10	#11	2	39'-5"	2094	
TOTAL REINFORCING STEEL LBS.					8,430	
SP-1	2	**	5	185'-8"	248	
SP-2	1	***	6	625'-1"	652	
SP-3	1	***	6	555'-2"	579	
SPIRAL COLUMN REINFORCING STEEL LBS.					1,479	
CLASS A CONCRETE BREAKDOWN						
POUR #2 (COLUMNS)				2.6	C.Y.	
POUR #3 (BENT CAP)				27.9	C.Y.	
TOTAL					30.5 C.Y.	
DRILLED PIER QUANTITIES						
DRILLED PIER CONCRETE						
POUR #1 (DRILLED PIERS)				21.2	C.Y.	
3'-6" DIA. DRILLED PIERS IN SOIL				9.5	LIN. FT.	
3'-6" DIA. DRILLED PIERS NOT IN SOIL				50.0	LIN. FT.	
SID INSPECTION					2 EA.	
SPT TESTING					4 EA.	
CSL TUBES					250.0 LIN. FT.	

* THE SP-1 SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #4 PLAIN OR DEFORMED BAR.
 *** THE SP-2 AND SP-3 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORMED BAR.

PROJECT NO. U-3440
CABARRUS COUNTY
 STATION: 68+25.60 -L-

SHEET 2 OF 2



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUBSTRUCTURE
 BENT #1
 (LEFT LANE)

DRAWN BY : K. D. LAYNE DATE : 2/04/16
 CHECKED BY : R. P. PATEL DATE : 2/09/16
 DESIGN ENGINEER OF RECORD : T. R. PETERSON DATE : 6/20/16

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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

STR. #1