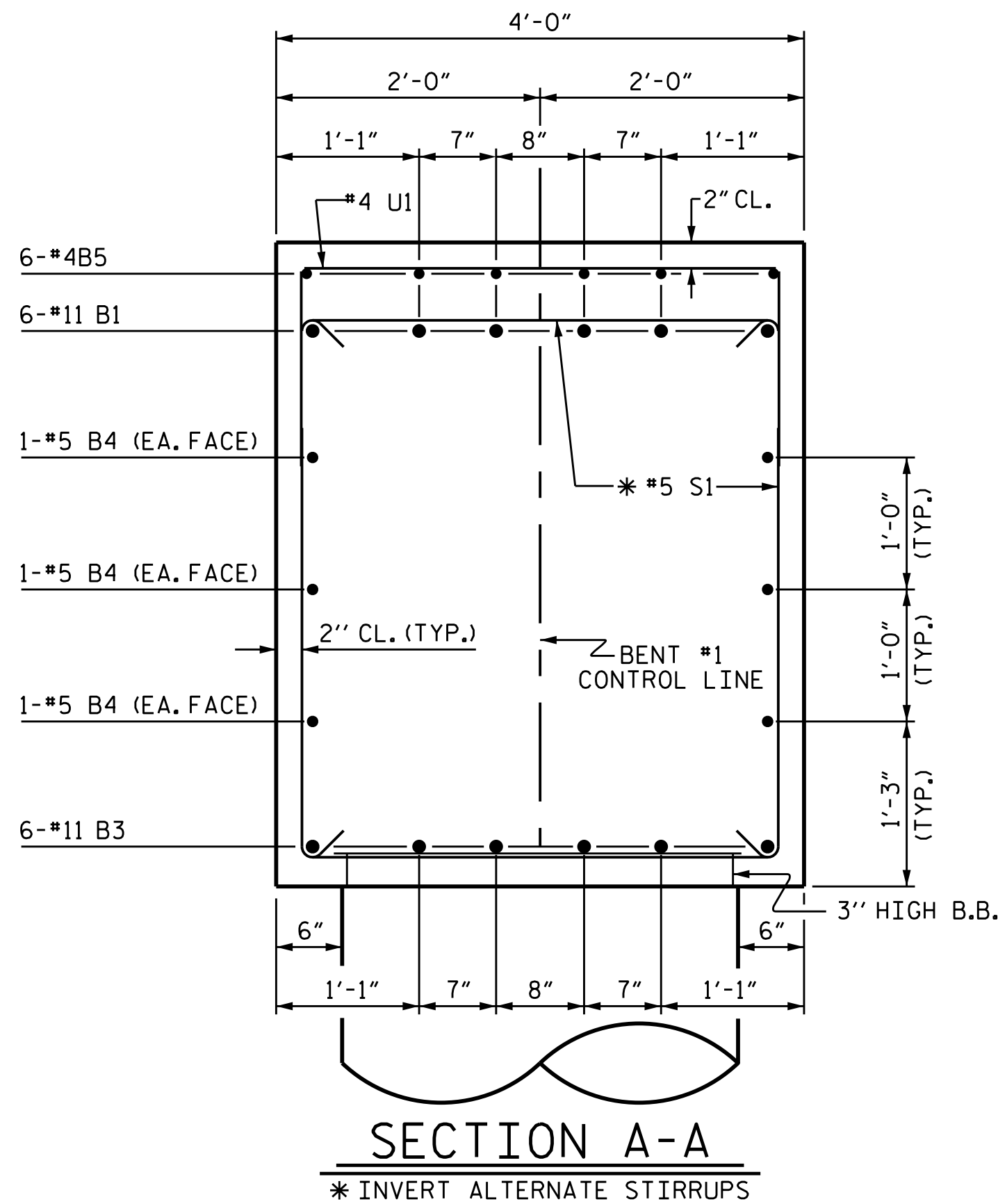
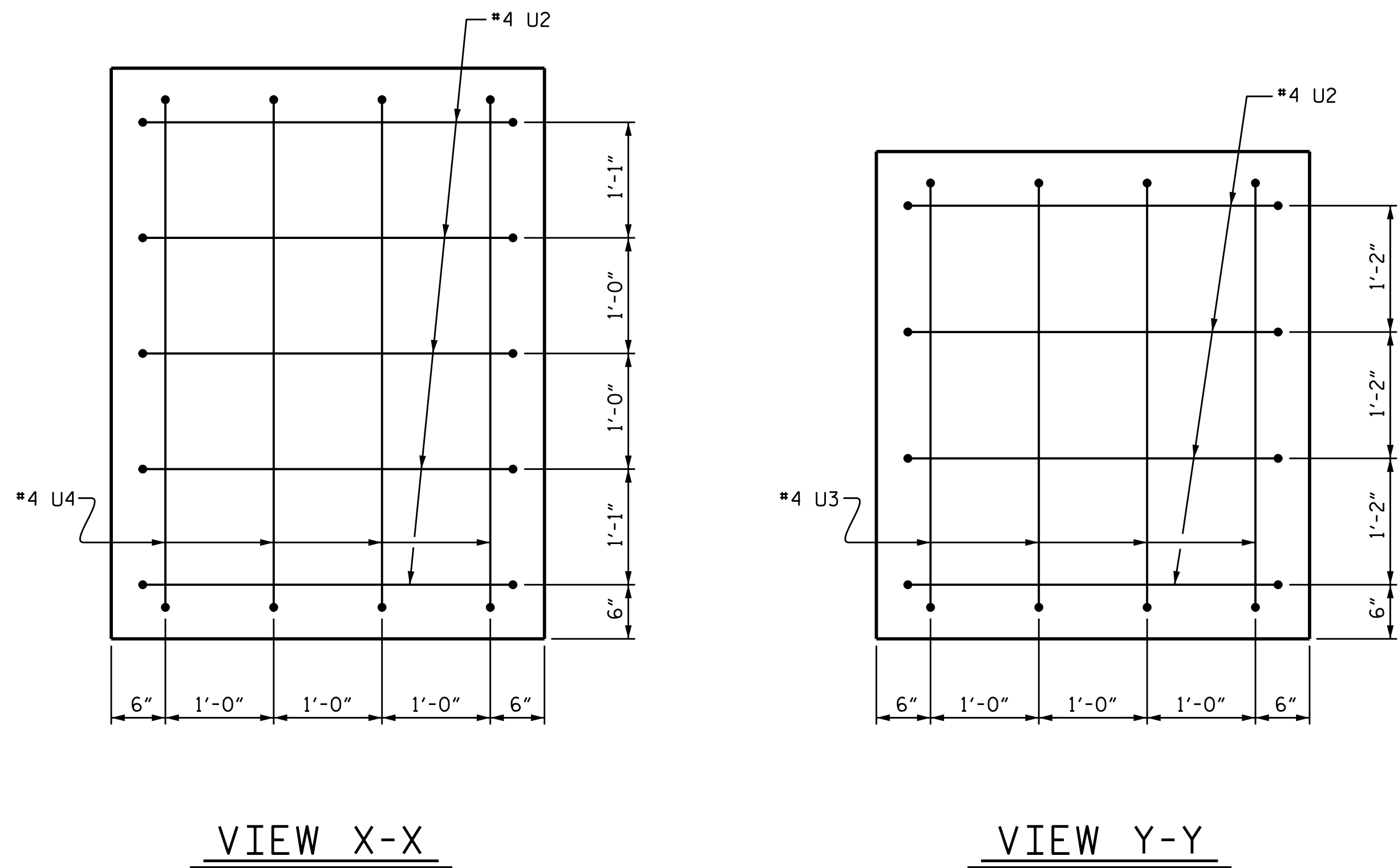


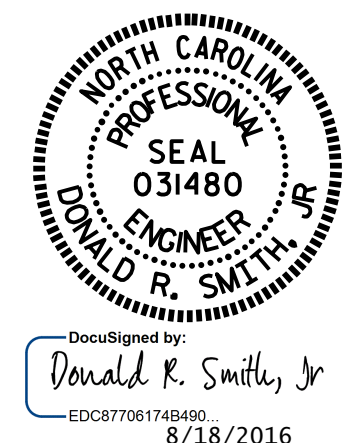
PLAN OF COLUMNS AND DRILLED PIERS



BAR TYPES		BILL OF MATERIAL				
		BENT #1				
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	
B1	6	#11	1	38'-10"	1238	
B2	6	#11	1	17'-3"	550	
B3	6	#11	STR	39'-5"	1257	
B4	6	#5	STR	39'-5"	247	
B5	6	#4	STR	11'-8"	47	
B6	6	#4	STR	4'-1"	16	
B7	3	#4	STR	3'-8"	7	
S1	36	#5	2	12'-10"	482	
S2	25	#5	2	13'-10"	361	
U1	40	#4	3	6'-8"	178	
U2	9	#4	3	6'-6"	39	
U3	4	#4	3	7'-0"	19	
U4	4	#4	3	7'-9"	21	
V1	20	#11	1	39'-2"	4162	
TOTAL REINFORCING STEEL LBS.					8,624	
SP-1	2	***	4	226'-11"	303	
SP-2	2	***	5	526'-5"	1098	
SPIRAL COLUMN REINFORCING STEEL LBS.					1,401	
CLASS A CONCRETE BREAKDOWN						
POUR #2 (COLUMNS)					3.3 C.Y.	
POUR #3 (BENT CAP)					28.4 C.Y.	
TOTAL					31.7 C.Y.	
DRILLED PIER QUANTITIES						
DRILLED PIER CONCRETE						
POUR #1 (DRILLED PIERS)					18.9 C.Y.	
3'-6" DIA. DRILLED PIERS IN SOIL					4.0 LIN. FT.	
3'-6" DIA. DRILLED PIERS NOT IN SOIL					49.0 LIN. FT.	
PERMANENT STEEL CASING FOR 3'-6" DRILLED PIER					23.2 LIN. FT.	
SID INSPECTION					2 EA.	
SPT TESTING					4 EA.	
CSL TUBES					224.0 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 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLDDRAWN WIRE OR #5 PLAIN OR DEFORMED BAR.

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



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

DRAWN BY : K. D. LAYNE DATE : 2/09/16
 CHECKED BY : R. P. PATEL DATE : 2/10/16
 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		