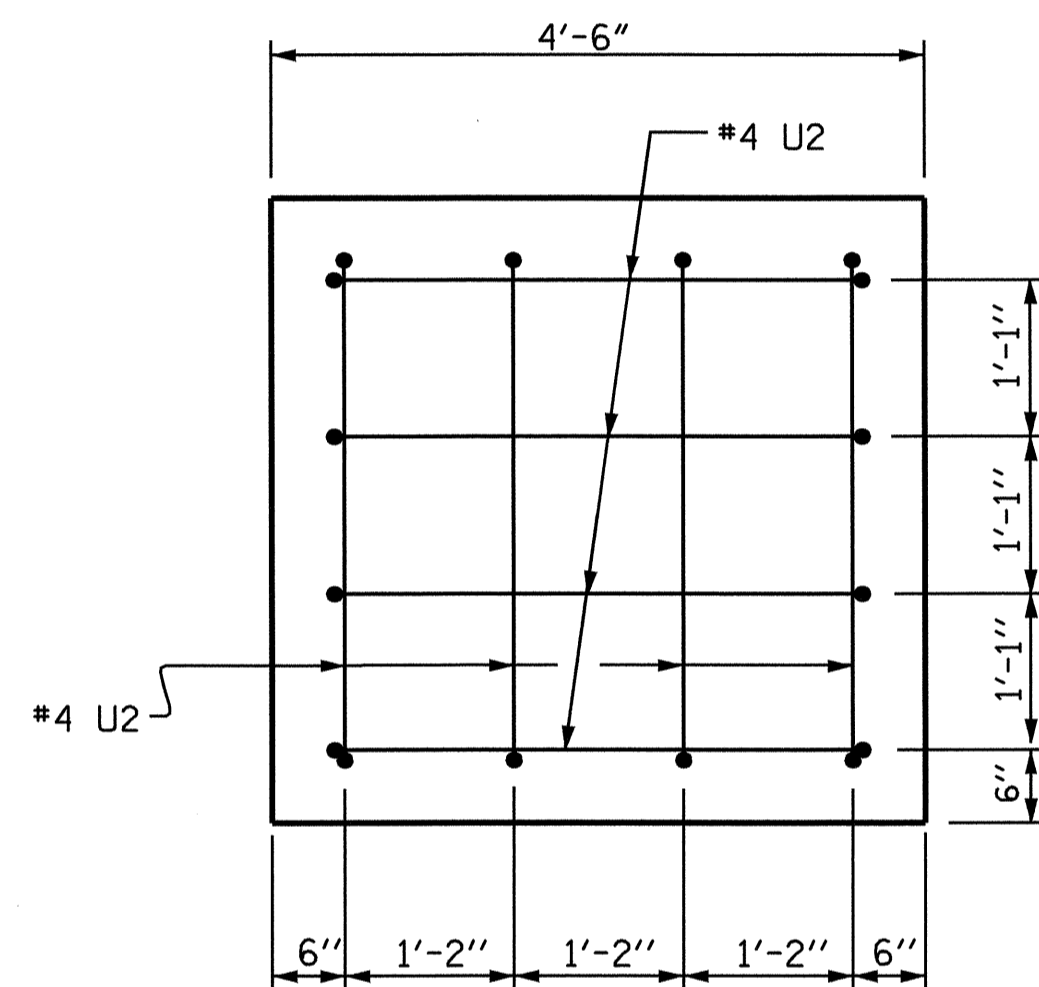
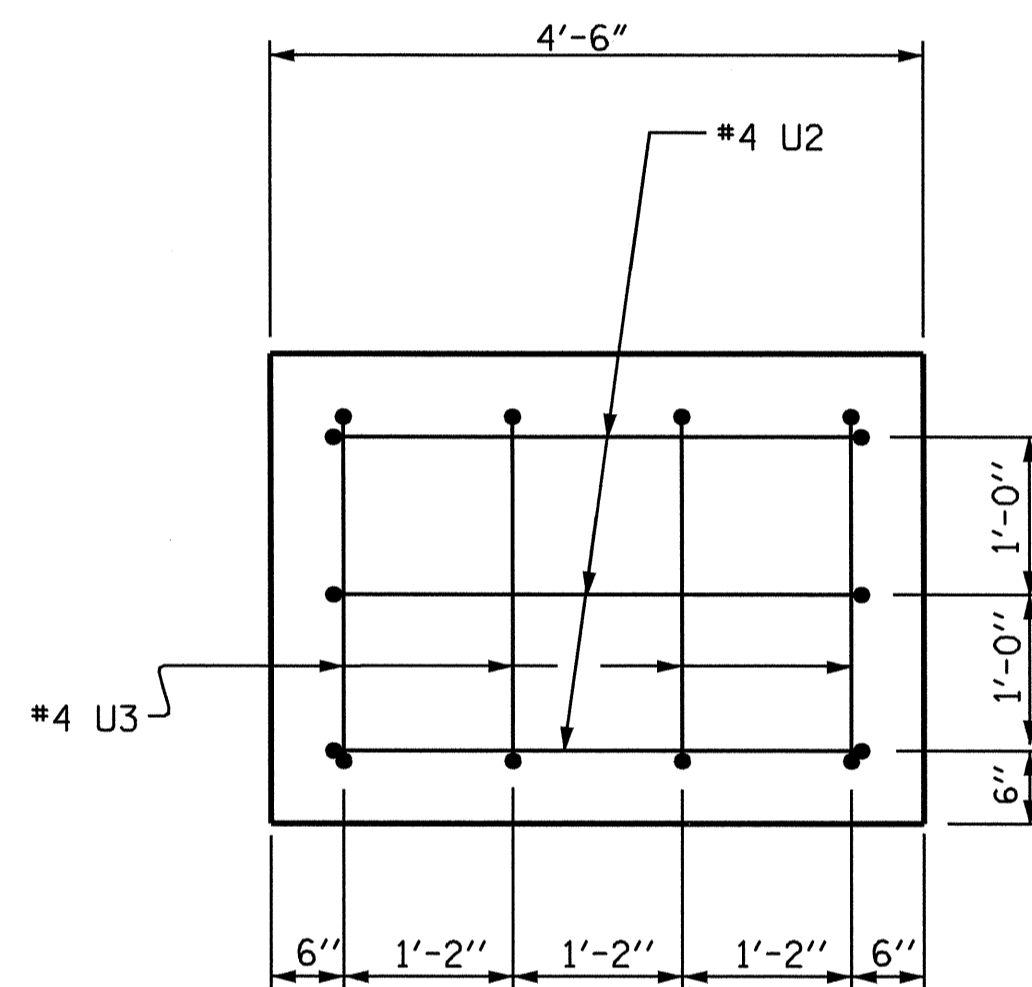


**PLAN OF COLUMNS AND DRILLED PIERS**

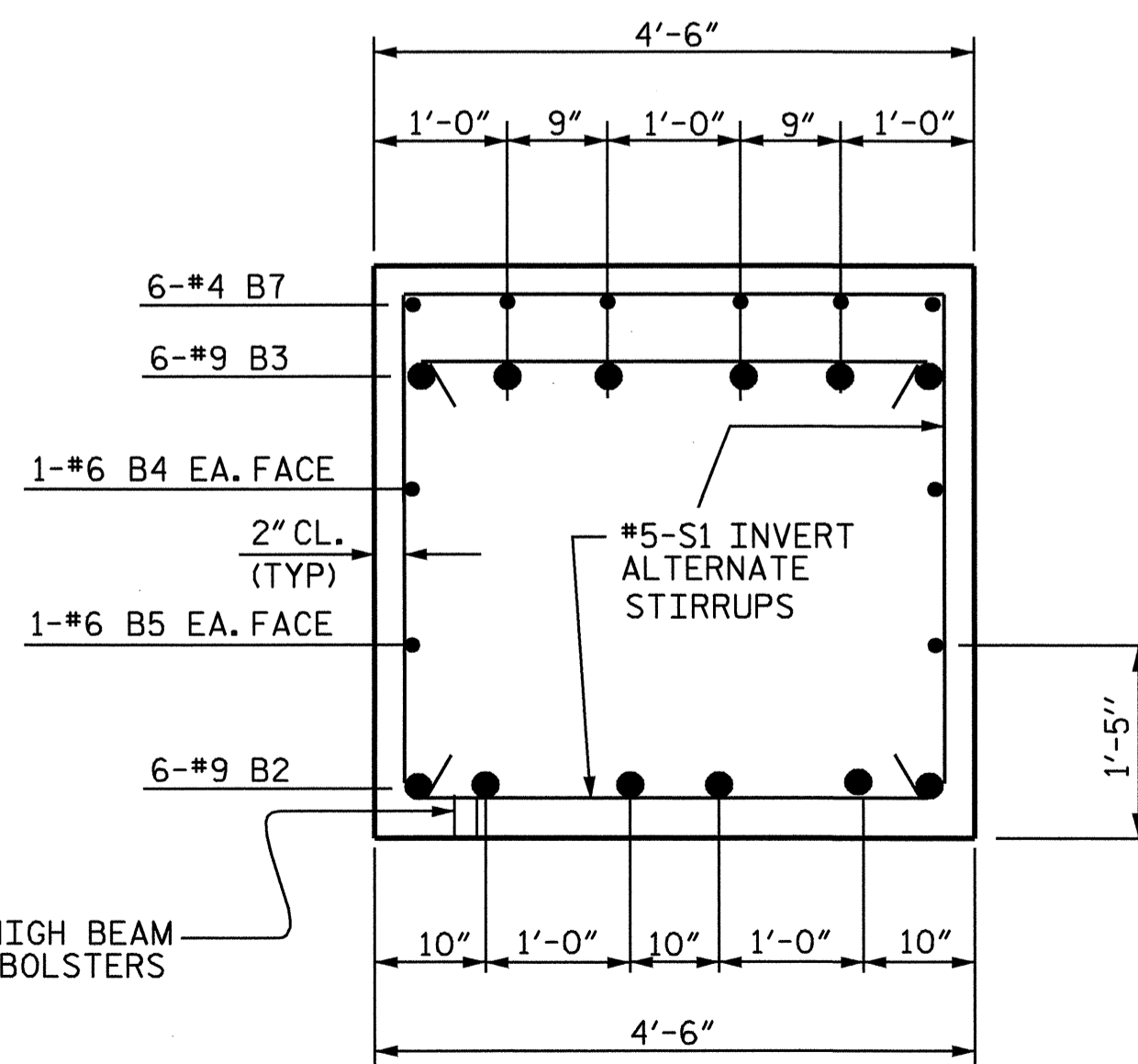
(ALL DIMENSIONS AND REINFORCING STEEL ARE TYPICAL FOR ALL COLUMNS AND DRILL PIERS)



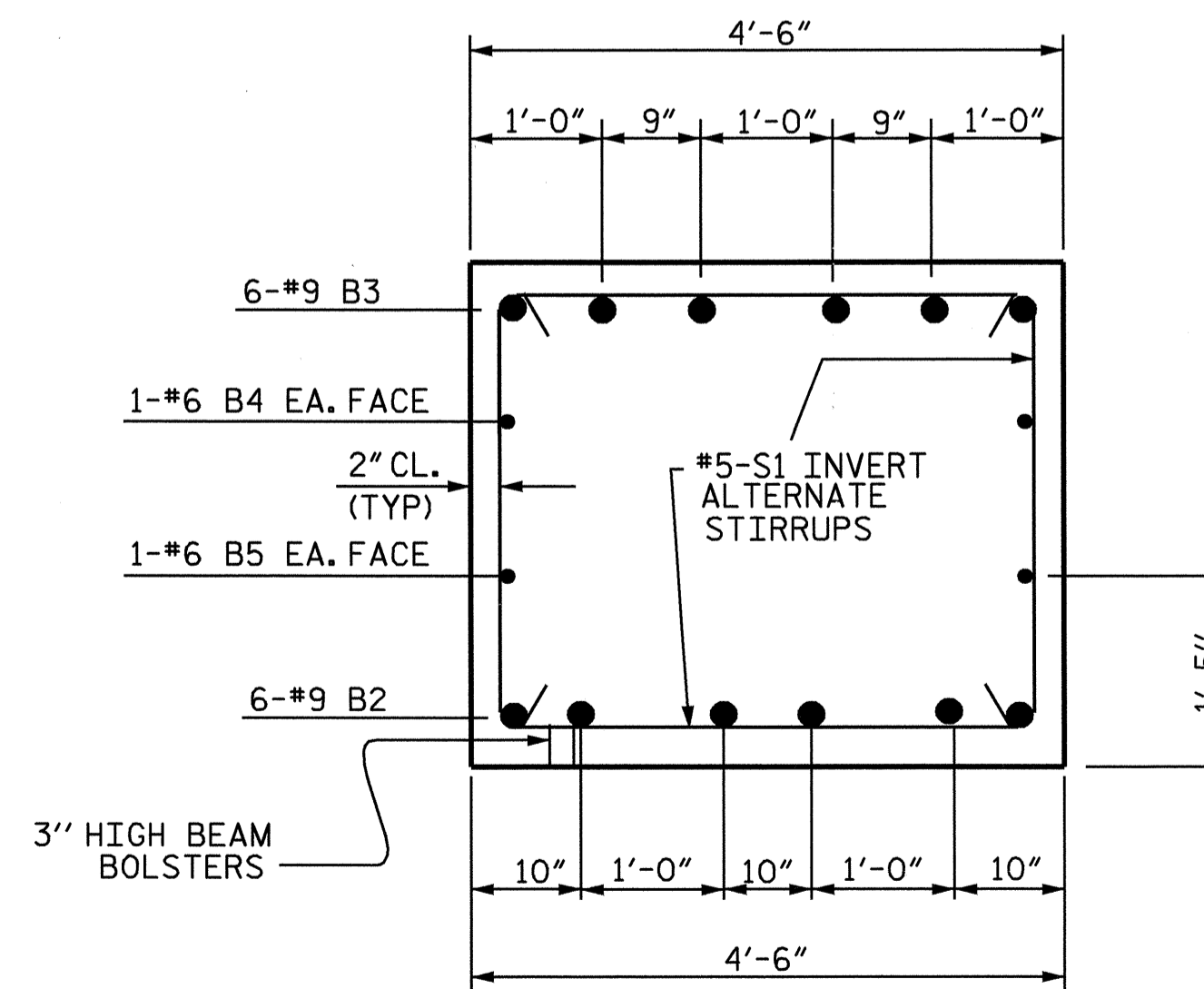
VIEW X-X



VIEW Y-Y

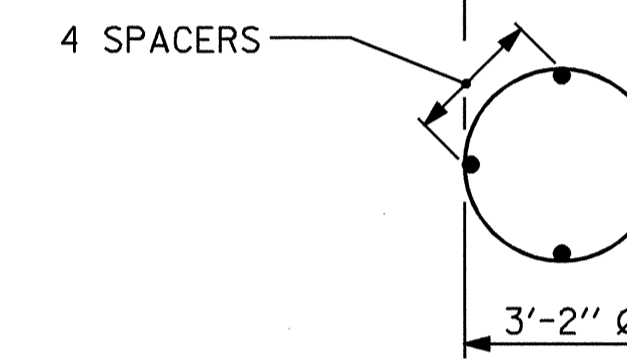
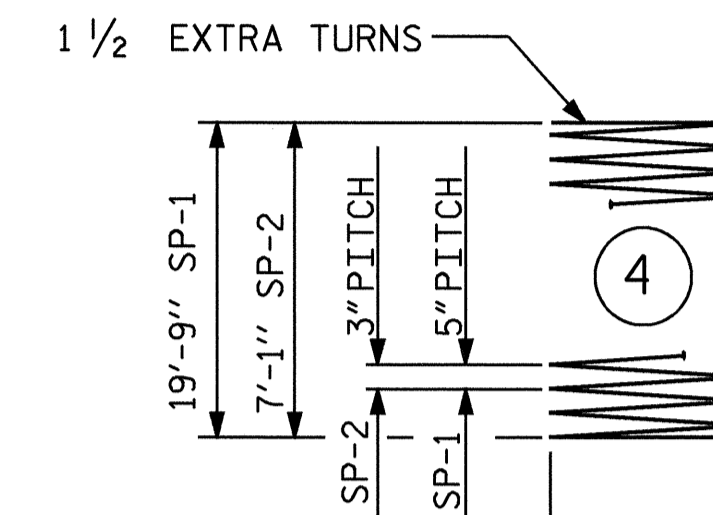
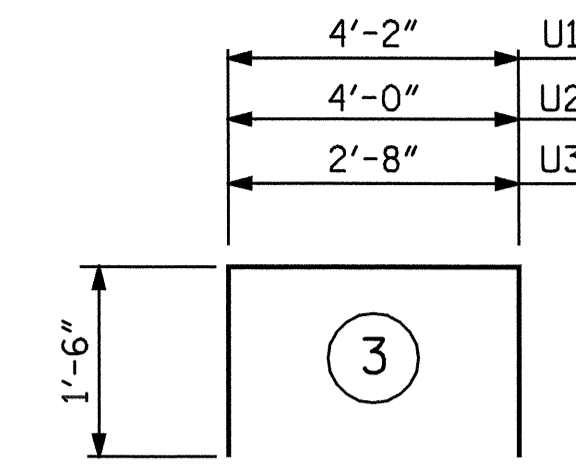
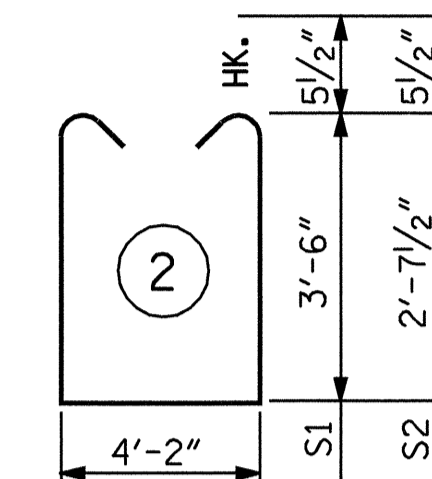
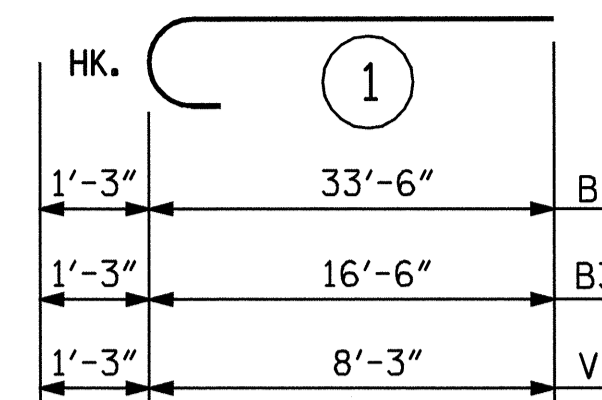


SECTION A-A



SECTION B-B

**BAR TYPES**  
ALL BAR DIMENSIONS ARE OUT TO OUT.



\* 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.

**BILL OF MATERIAL**

**BENT #2**

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	6	9	1	34'-9"	709
B2	6	9	STR	41'-2"	840
B3	6	9	1	17'-9"	362
B4	2	6	STR	11'-6"	35
B5	2	6	STR	41'-2"	124
B6	6	4	STR	11'-7"	46
B7	6	4	STR	4'-11"	20
B8	3	4	STR	4'-2"	8
M1	42	9	STR	27'-3"	3891
S1	14	5	2	12'-1"	176
S2	27	5	2	10'-4"	291
U1	33	4	3	7'-2"	158
U2	11	4	3	7'-0"	51
U3	4	4	3	5'-8"	15
V1	42	9	1	9'-6"	1357
REINFORCING STEEL				LBS.	8,083
SP-1	3	*	4	415'-0"	1299
SP-2	3	**	4	259'-0"	519
SPIRAL COLUMN REINFORCING STEEL					1818

CLASS A CONCRETE		
POUR #2 (COLUMNS)	C.Y.	7.3
POUR #3 (BENT CAP)	C.Y.	25.1
<b>CLASS A CONCRETE TOTAL</b>	<b>C.Y.</b>	<b>32.4</b>

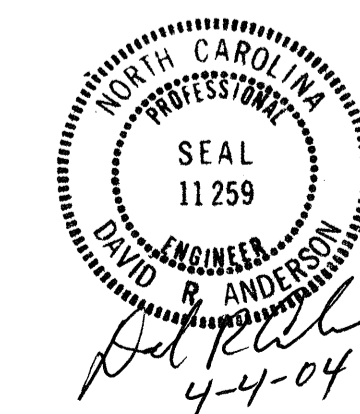
DRILLED PIER QUANTITIES		
DRILLED PIER CONCRETE		
POUR #1 (DRILLED PIERS)	C.Y.	21.4
3'-6" Ø DRILLED PIERS IN SOIL, LIN. FT.	=	36.0
3'-6" Ø DRILLED PIERS NOT IN SOIL, LIN. FT.	=	24.0
3'-6" Ø PERMANENT STEEL CASING, LIN. FT.	=	33.5

PROJECT NO. B-3649  
GUILFORD COUNTY  
 STATION: 17+39.20 -L-

SHEET 2 OF 2

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

**SUBSTRUCTURE**  
**BENT 2**



REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-24
1			3			TOTAL SHEETS
2			4			32