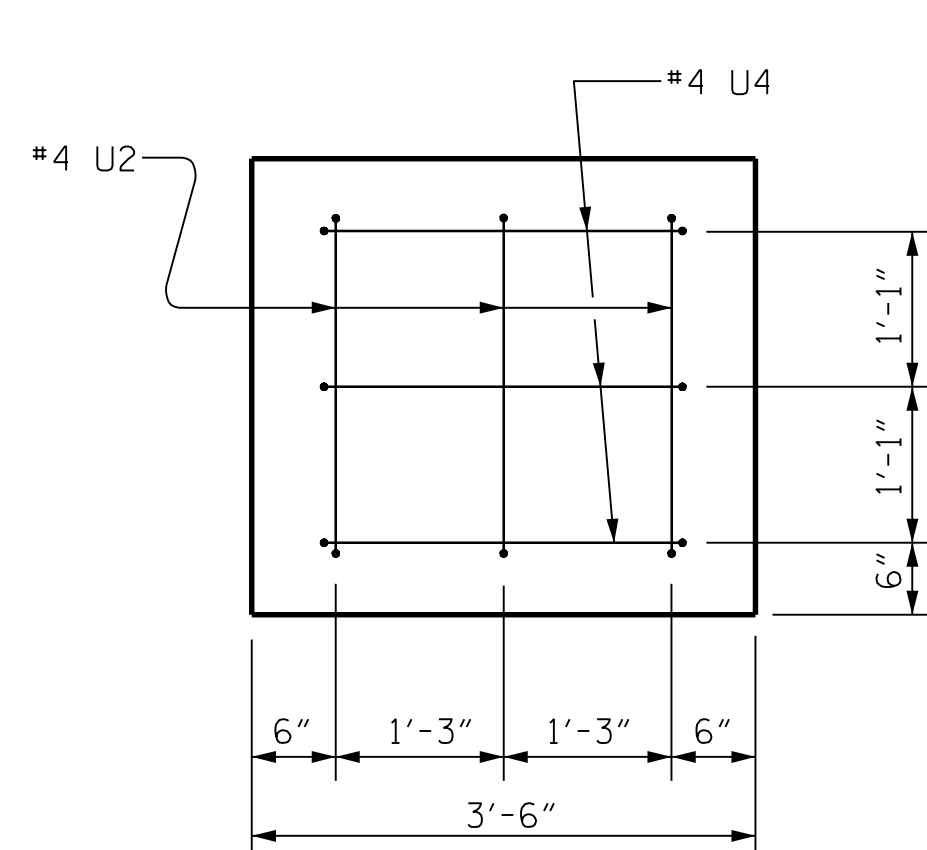
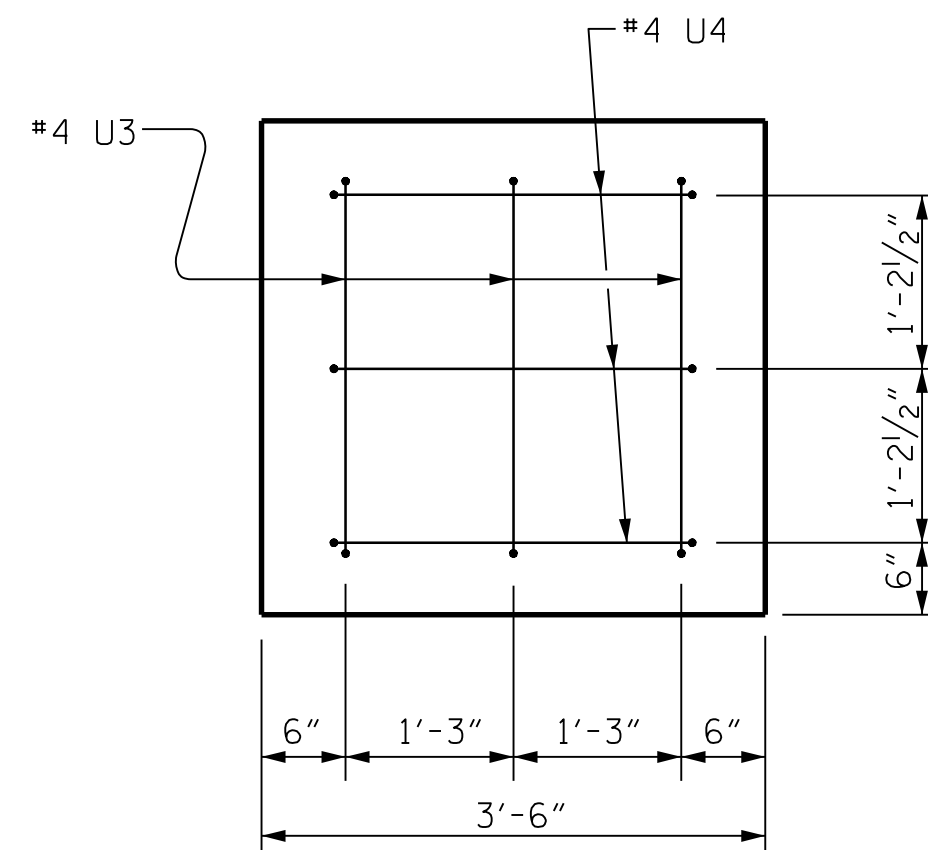


SECTION A-A



VIEW X-X



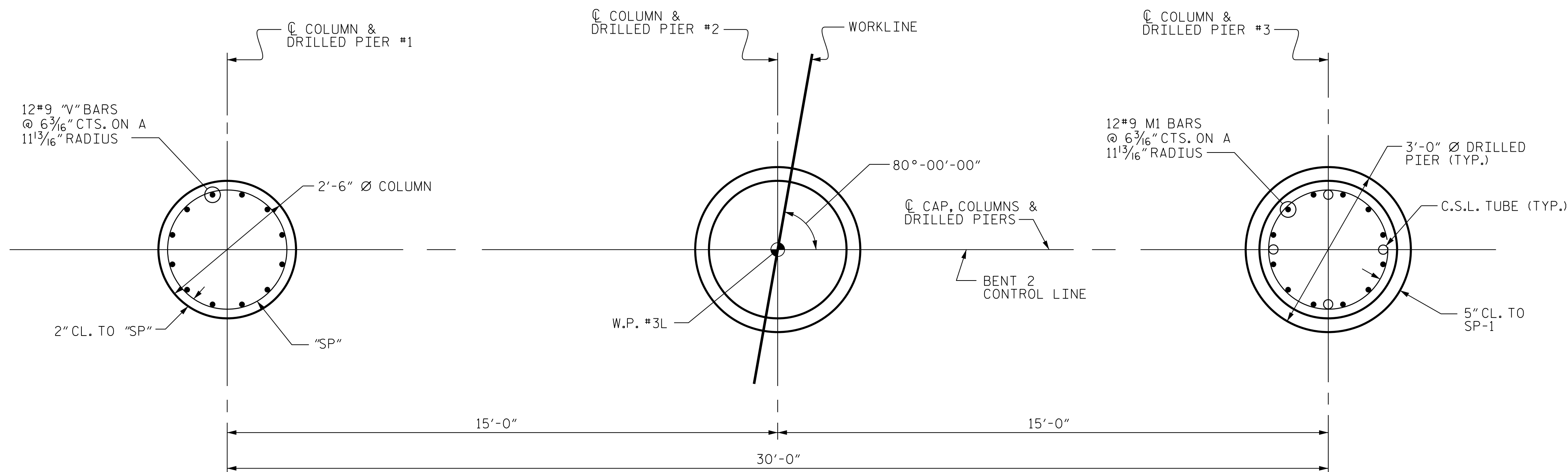
VIEW Y-Y

BAR TYPES

BILL OF MATERIAL

BENT 2					
BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	
B1	7	#9	1	40'-10"	972
B2	7	#9	STR	38'-4"	912
B3	6	#5	STR	38'-4"	240
B4	21	#4	STR	9'-11"	139
B5	7	#4	STR	3'-10"	18
MI	36	#9	STR	24'-9"	3029
S1	128	#5	3	7'-11"	1057
U1	36	#4	4	6'-8"	160
U2	3	#4	4	4'-8"	9
U3	3	#4	4	4'-11"	10
U4	6	#4	4	5'-0"	20
V1	12	#9	2	12'-11"	527
V2	12	#9	2	12'-0"	490
V3	12	#9	2	11'-1"	452
REINFORCING STEEL					8035 LBS.
SP-1	3	*	5	281'-7"	881
SP-2	1	**	6	283'-6"	189
SP-3	1	**	6	259'-6"	173
SP-4	1	**	6	235'-5"	157
SPIRAL COLUMN REINFORCING STEEL					1400 LBS.
* THE SP-1 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORMED BAR					
** THE SP-2, SP-3, AND SP-4 SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #4 PLAIN OR DEFORMED BAR					
CLASS A CONCRETE BREAKDOWN					
POUR #2 (COLUMNS)				4.9	CU. YD.
POUR #3 (CAP)				15.6	CU. YD.
TOTAL CLASS A CONCRETE				20.5	CU. YD.
DRILLED PIERS					
POUR #1 (DRILLED PIERS)				13.7	CU. YD.
3'-0" Ø DRILLED PIERS IN SOIL				13.5	LIN. FT.
NOT IN SOIL				39.0	LIN. FT.
CSL TUBES				228	LIN. FT.
PERMANENT STEEL CASING				22.5	LIN. FT.

ALL BAR DIMENSIONS ARE OUT TO OUT.



COLUMN REINFORCEMENT

DRILLED PIER REINFORCEMENT

PLAN OF DRILLED PIERS & COLUMNS

(REINFORCING STEEL IS TYPICAL FOR EACH COLUMN & DRILLED PIER)

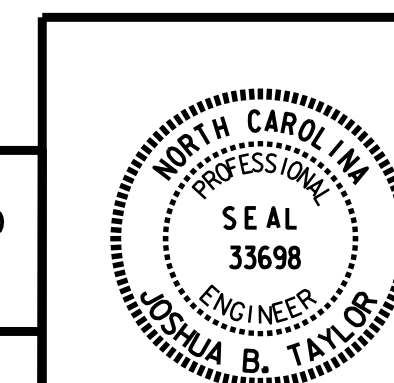
PROJECT NO. R-2915B
 ASHE COUNTY
 STATION: 198+64.50 -L-

SHEET 2 OF 2

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUBSTRUCTURE
 BENT 2
 (SBL)

CDM Smith
 CDM SMITH
 5400 Glenwood Avenue, Suite 400
 Raleigh, NC 27612-3228
 NC COA No. F-1255

DRAWN BY: J. SLOAN DATE: 04-14 DWG. No.
 CHECKED BY: J. TAYLOR DATE: 07-14
 DESIGN ENGINEER: J. TAYLOR DATE: 08-14



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

TOTAL SHEETS: 34

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