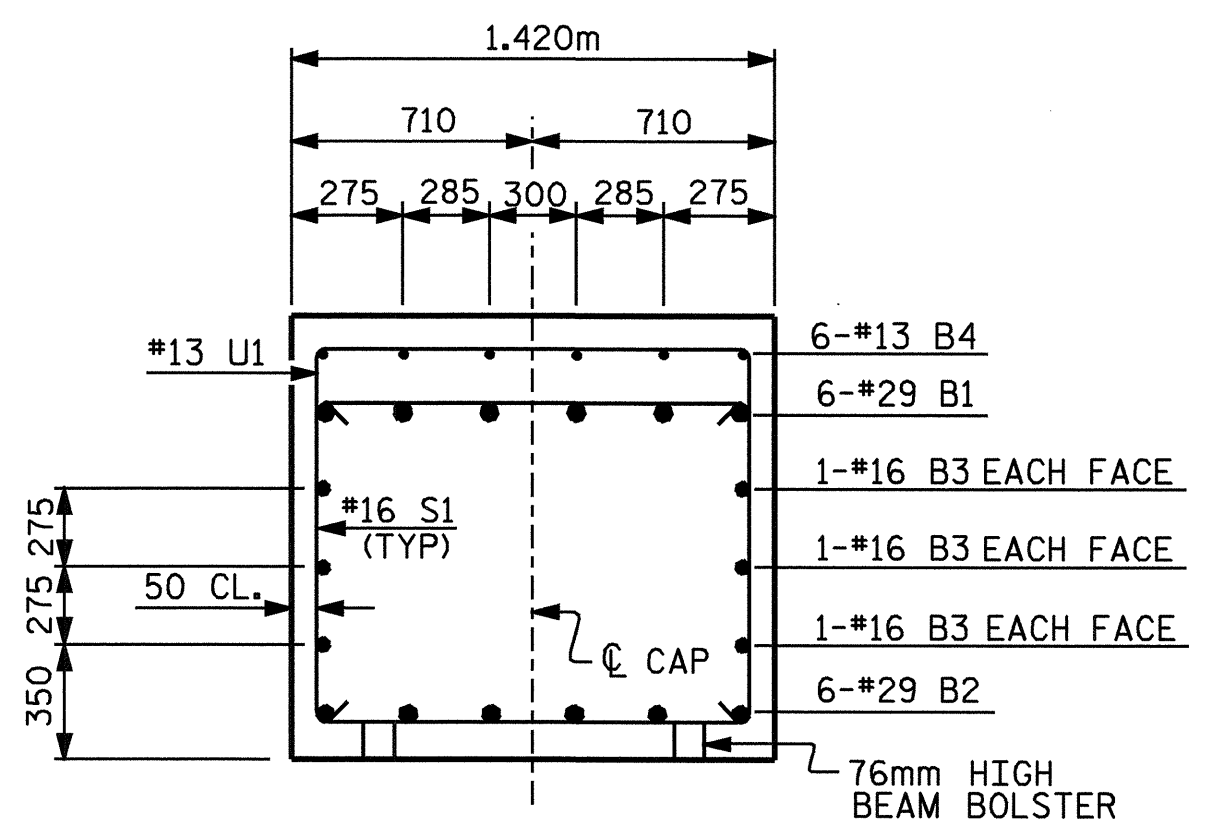
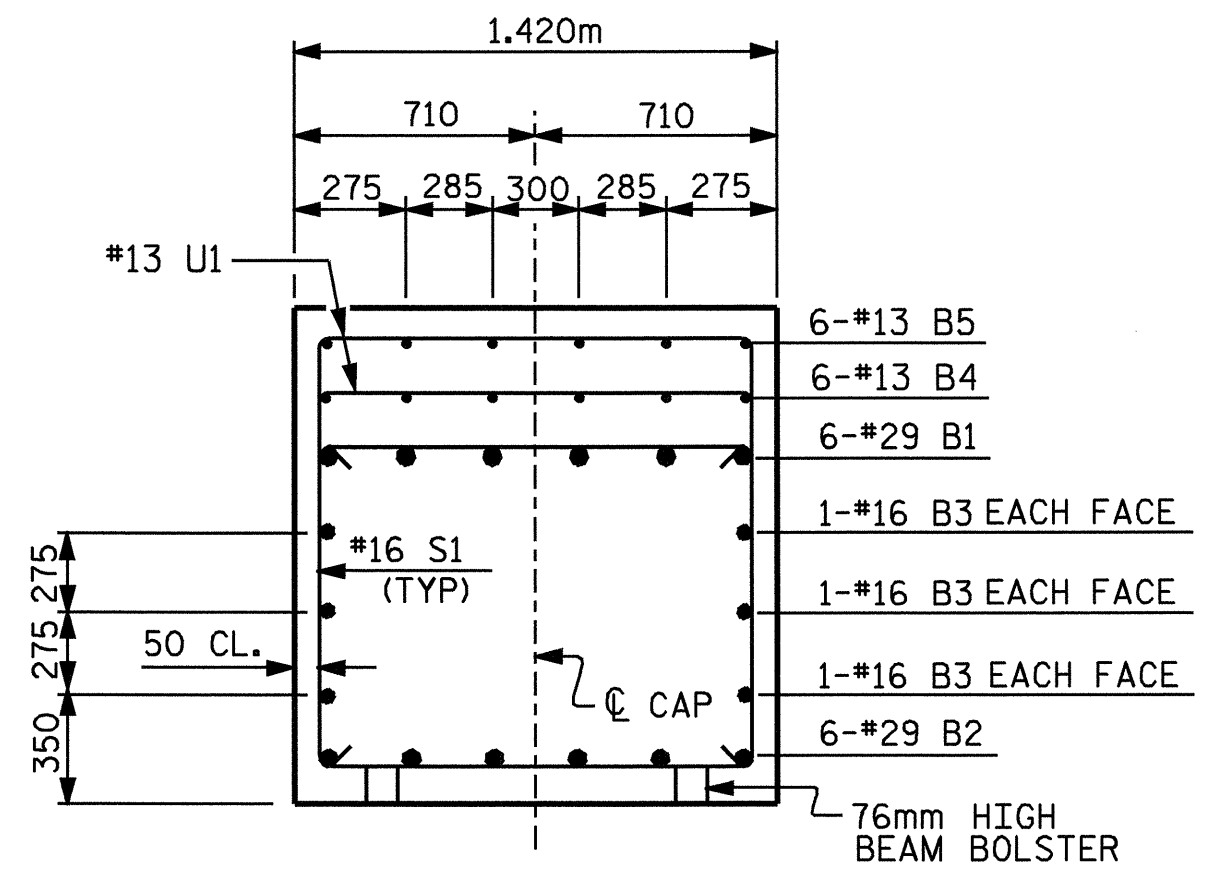


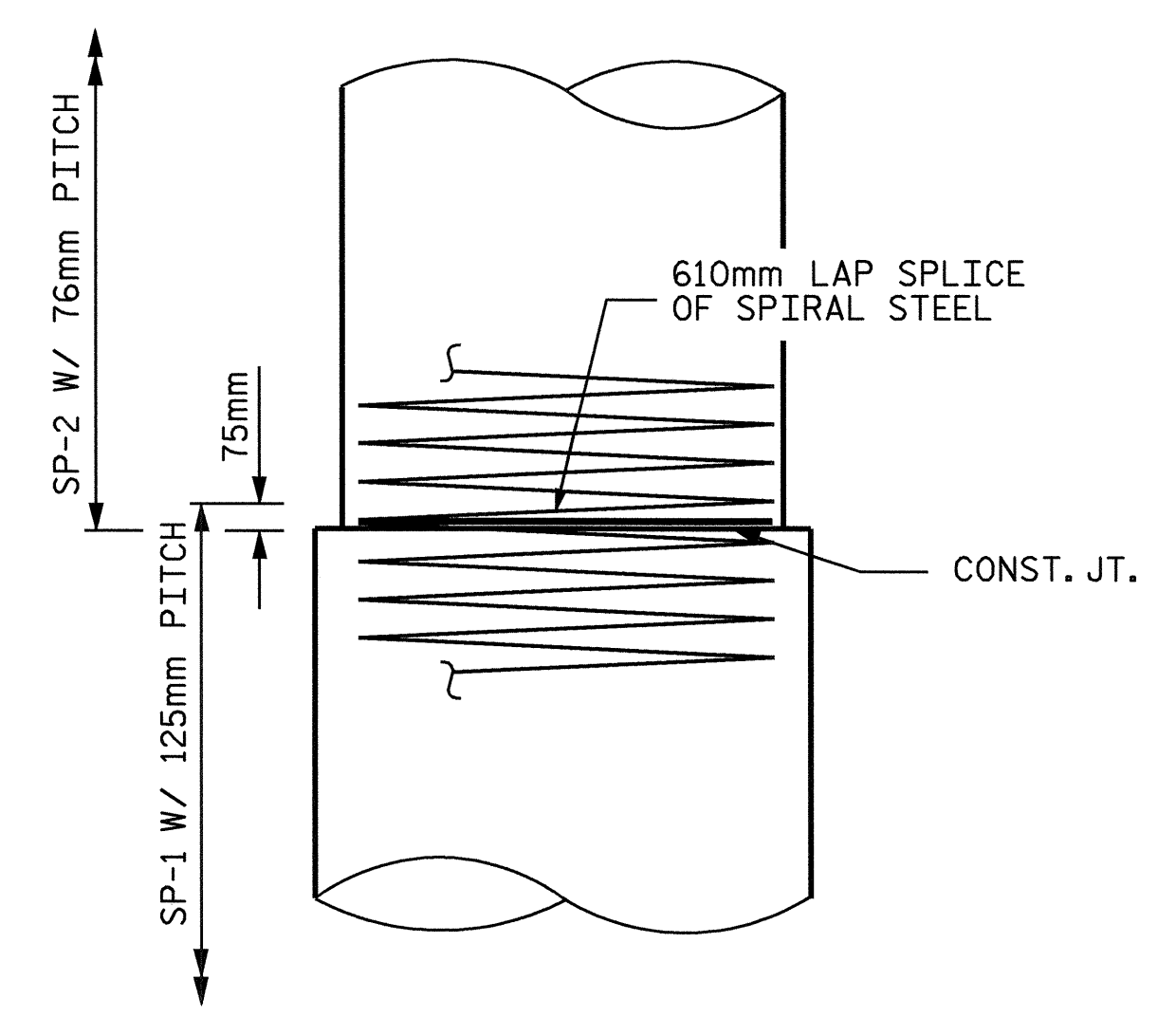
SECTION A-A



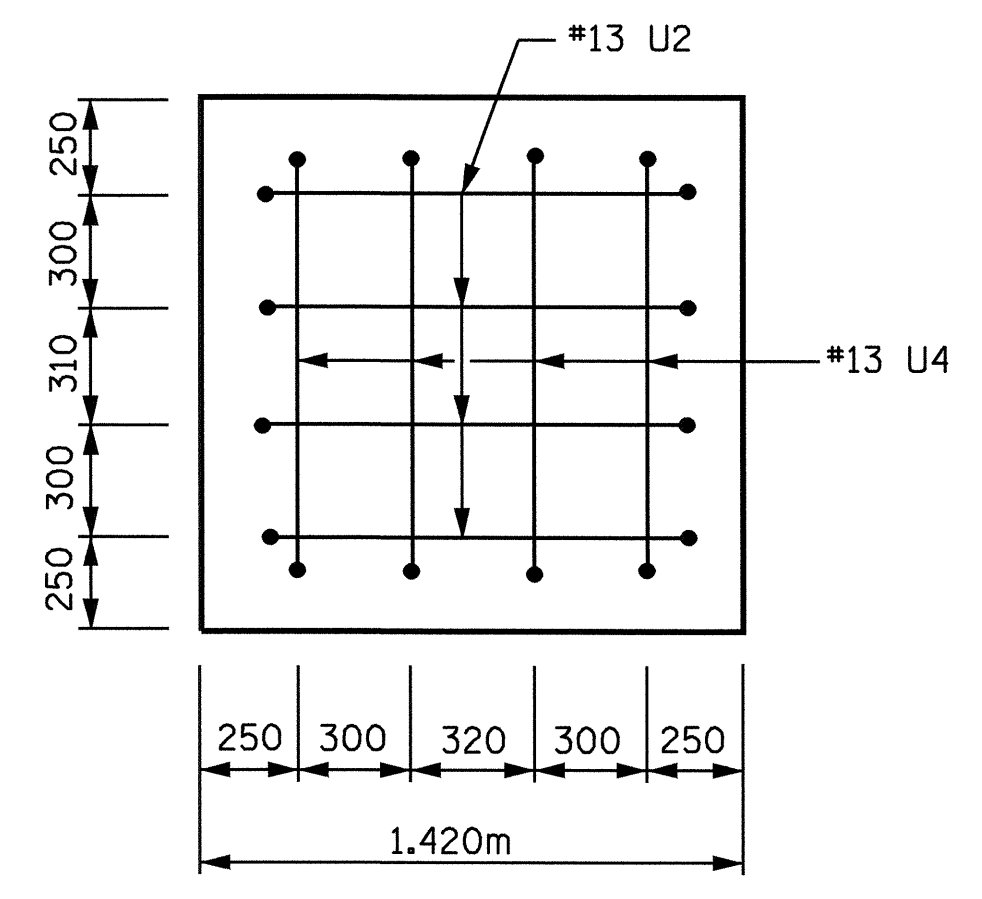
SECTION B-B



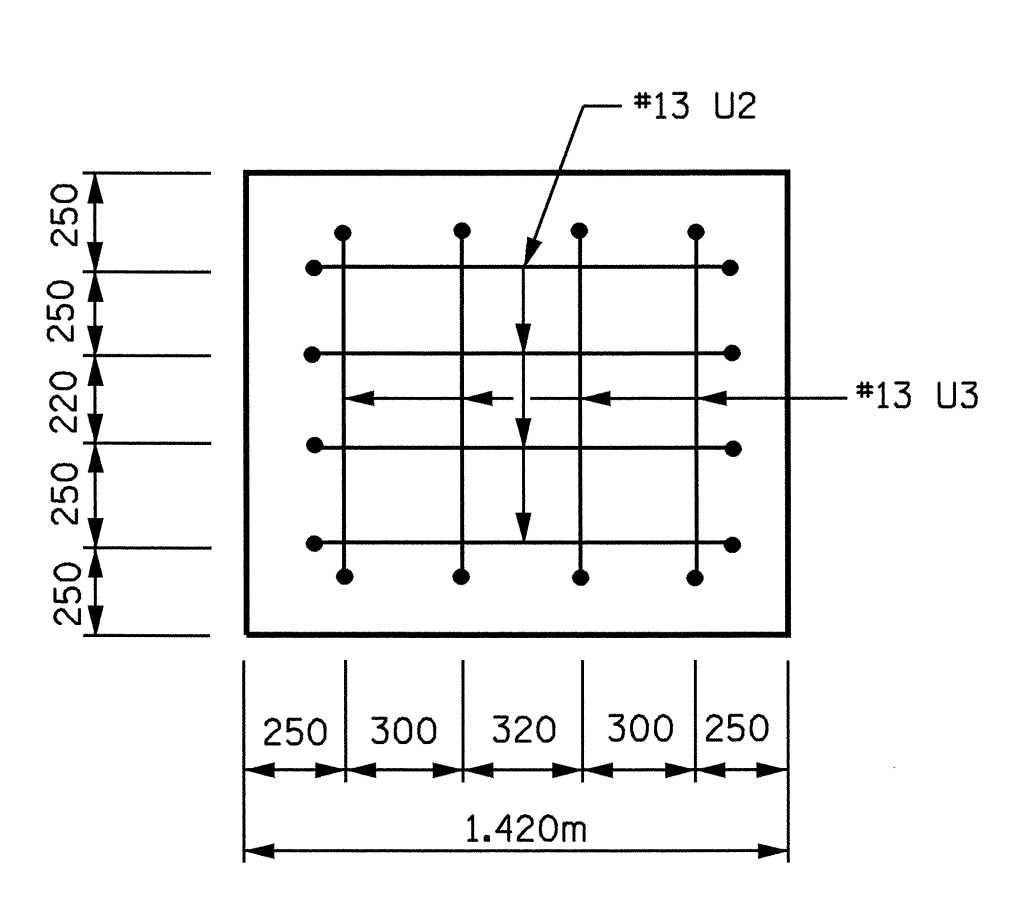
SECTION C-C



CONST. JT. DETAIL



LEFT END VIEW



RIGHT END VIEW

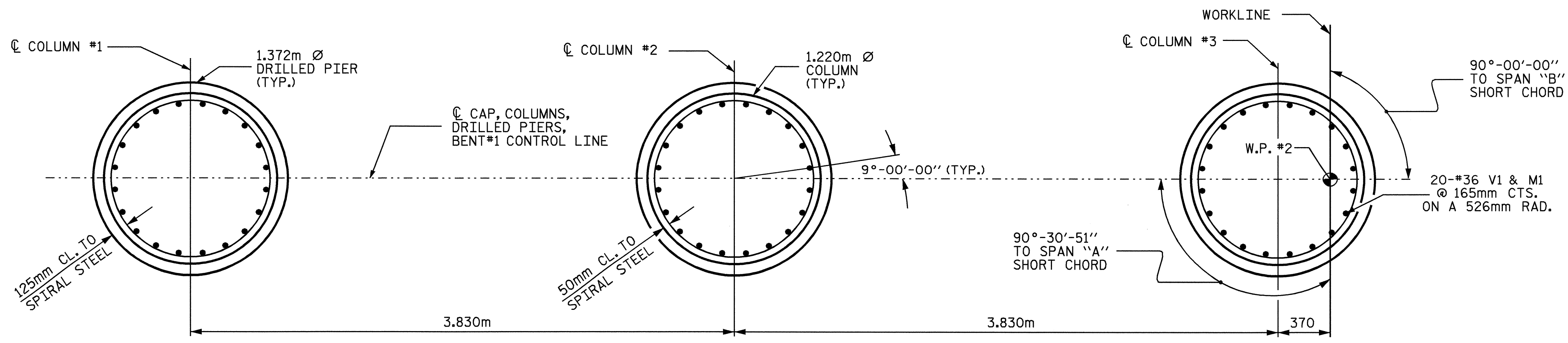
BAR TYPES

BILL OF MATERIAL

BENT #1					
BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	
B1	6 29	1	11500	350	
B2	6 29	STR	10800	328	
B3	6 16	STR	10800	101	
B4	6 13	STR	5900	35	
B5	6 13	STR	1100	7	
S1	36 16	3	3800	212	
U1	49 13	4	2240	109	
U2	8 13	4	2200	17	
U3	4 13	4	2140	9	
U4	4 13	4	1940	8	
V1	60 36	2	13020	6177	
M1	60 36	STR	13320	6319	
REINFORCING STEEL			KG	13672	
SP-1	3 *	6	291000	1355	
SP-2	3 **	5	559540	1669	
SPIRAL COL. REINF. STEEL			KG	3024	
CLASS "A" CONCRETE					
POUR #2 COLUMNS			m ³	41.7	
POUR #3 CAP			m ³	20.2	
TOTAL CLASS "A" CONCRETE			m ³	61.9	
DRILLED PIERS					
DRILLED PIER CONCRETE					
POUR #1 DRILLED PIERS			m ³	45.2	
1372mm Ø DRILLED PIERS NOT IN SOIL METERS 12.3					
1372mm Ø DRILLED PIERS IN SOIL METERS 18.3					
CSL TUBES			METERS	132.6	

** THE SP-2 SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #13 PLAIN OR DEFORMED BAR.
 * THE SP-1 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #16 PLAIN OR DEFORMED BAR.

ALL BAR DIMENSIONS ARE OUT TO OUT.



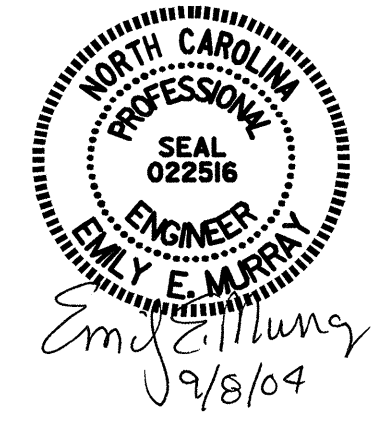
PLAN OF COLUMNS & DRILLED PIERS

PROJECT NO. R-2206C
 LINCOLN-CATAWBA COUNTY
 STATION: 199+48.00 -L-

SHEET 2 OF 2

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUBSTRUCTURE
 BENT #1
 LEFT LANE



DRAWN BY: C. MILLER DATE: 02-04
 CHECKED BY: W.D. CRUTCHER DATE: 02-04

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

TOTAL SHEETS: 374