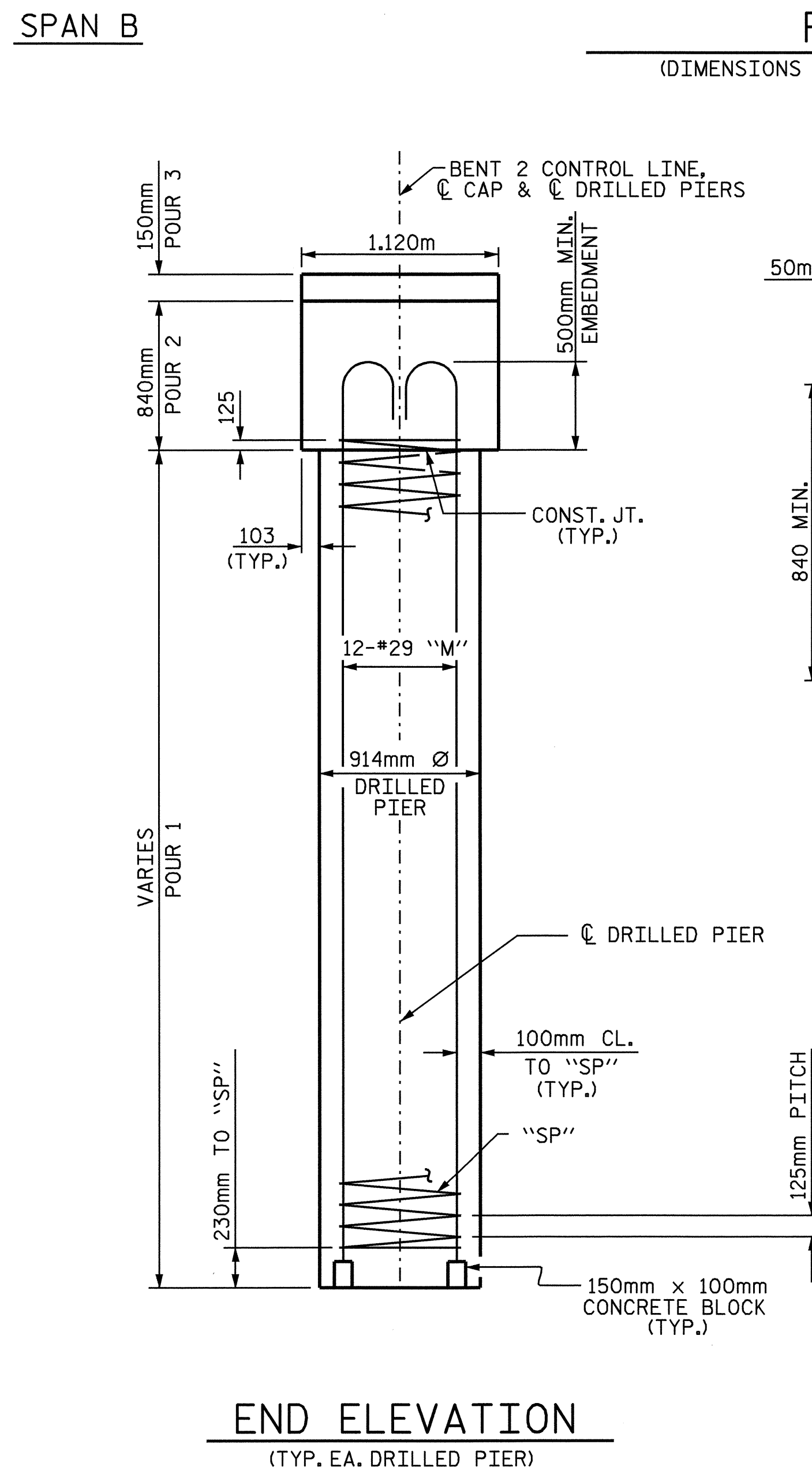
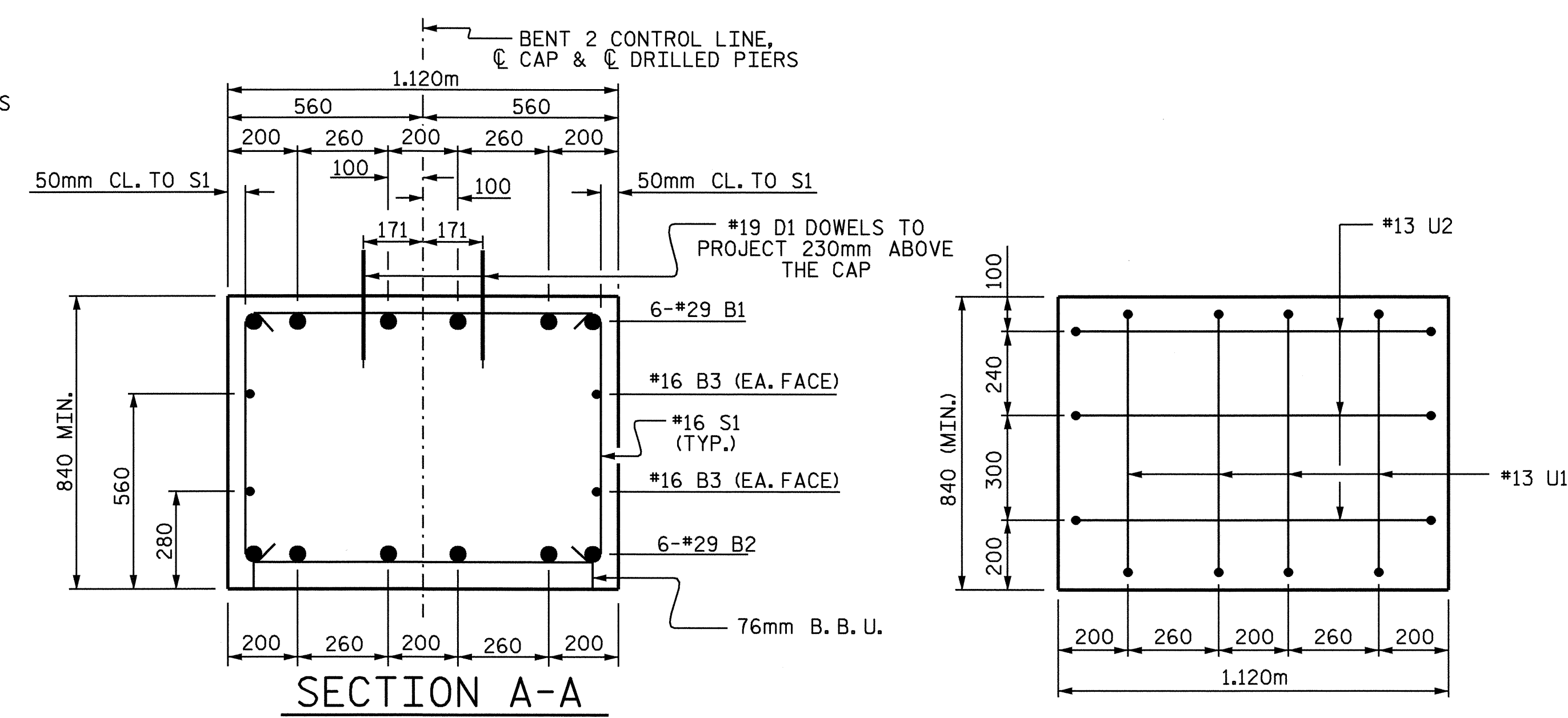


PLAN OF DRILLED PIERS
(DIMENSIONS AND REINFORCING STEEL ARE TYPICAL FOR EACH DRILLED PIER)

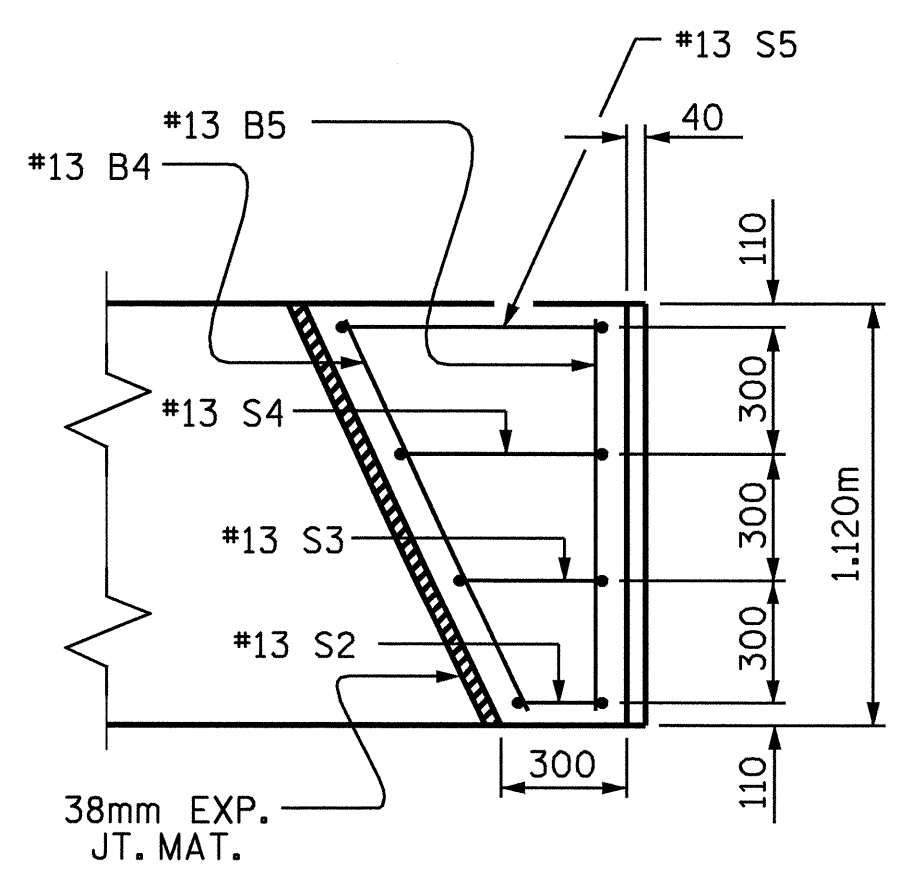


END ELEVATION
(TYP. EA. DRILLED PIER)



SECTION A-A

VIEW X-X



LATERAL GUIDE DETAIL
(EACH END SIMILAR)

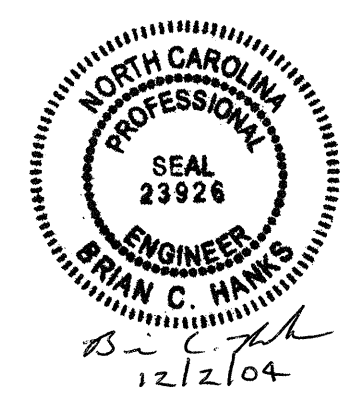
BAR TYPES		BILL OF MATERIAL				
BENT 2						
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	
B1	6	#29	1	14680	446	
B2	6	#29	STR	13980	424	
B3	4	#16	STR	13980	87	
B4	2	#13	STR	1180	2	
B5	2	#13	STR	1020	2	
D1	48	#19	STR	460	49	
M1	12	#29	2	9860	599	
M2	12	#29	2	9760	593	
M3	12	#29	2	9660	587	
S1	48	#16	3	2760	206	
S2	2	#13	4	1100	2	
S3	2	#13	4	1280	3	
S4	2	#13	4	1460	3	
S5	2	#13	4	1620	3	
U1	8	#13	4	1600	13	
U2	6	#13	4	1900	12	
REINFORCING STEEL				KG.	3031	
SP-1	1	**	5	144,660	225	
SP-2	1	**	5	144,660	225	
SP-3	1	**	5	142,460	221	
SPIRAL COLUMN REINFORCING STEEL				KG.	671	
CLASS "A" CONCRETE BREAKDOWN						
POUR #2 (CAP)				M ³	13.2	
POUR #3 (LATERAL GUIDES)				M ³	0.2	
TOTAL				M ³	13.4	
DRILLED PIER QUANTITIES						
DRILLED PIER CONCRETE						
POUR #1 (DRILLED PIERS)				M ³	15.8	
914mm Ø DRILLED PIER IN SOIL				METERS	18.1	
914mm Ø DRILLED PIER NOT IN SOIL				METERS	6.0	
PERMANENT STEEL CASING FOR 914mm Ø DRILLED PIER				METERS	13.0	
CROSSHOLE SONIC LOGGING				EA.	1	
CSL TUBES				METERS	106.7	
* THE "SP" SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #16 PLAIN OR DEFORMED BAR.						

PROJECT NO. **B-3266**
WILKES COUNTY
 STATION: **12+48.000 -L-**

SHEET 2 OF 2

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUBSTRUCTURE BENT 2



DRAWN BY: J.L. WALTON DATE: 6/2/04
 CHECKED BY: D.G. ELY DATE: 8/5/04

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-17
1			3			TOTAL SHEETS
2			4			26