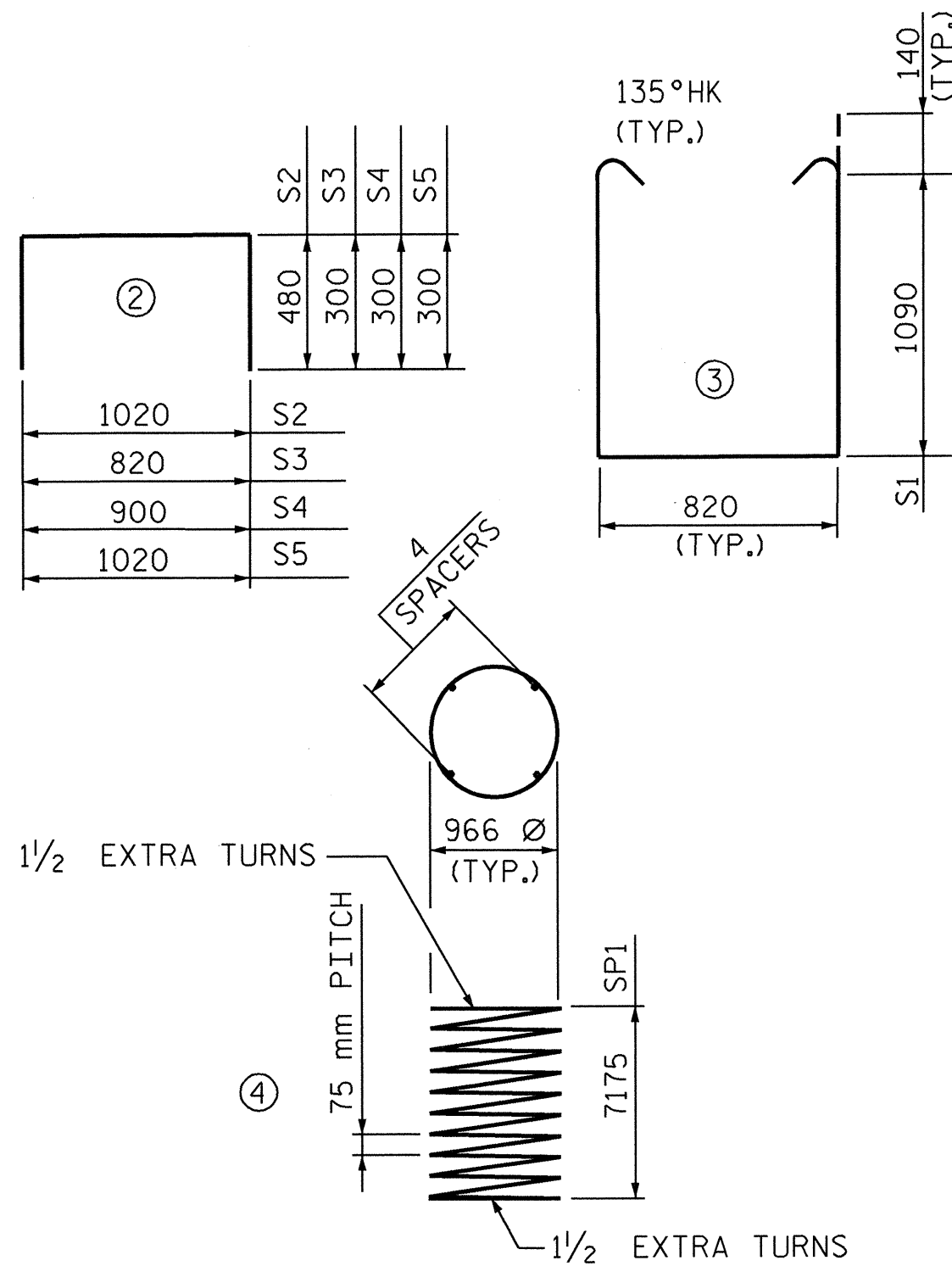


BAR TYPES					
180°HK		①			
375		8225		B1	
375		3545		B4	
425		3815		M1	
425		7715		V1	



BILL OF MATERIAL					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	6	#29		8600	261
B2	8	#16	STR.	9100	113
B3	6	#29	STR.	9100	276
B4	6	#29		3920	119
M1	24	#32		4240	652
S1	32	#16		3280	163
S2	24	#13		1980	47
S3	7	#13		1420	10
S4	3	#13		1500	4
S5	3	#13		1620	5
S6	24	#16		3460	129
T1	56	#19	STR.	3840	481
T2	60	#25	STR.	3840	915
V1	24	#32		8140	1,251
SP1	2	**		296500	589
REINFORCING STEEL				4,426	kg
SPIRAL COLUMN REINFORCING STEEL				589	kg
CLASS A CONCRETE					
POUR 1 (FOOTINGS)				32.0	m <sup>3</sup>
POUR 2 (COLUMNS)				6.3	m <sup>3</sup>
POUR 3 (COLUMNS)				6.3	m <sup>3</sup>
POUR 4 (CAP)				12.9	m <sup>3</sup>
TOTAL				57.5	m <sup>3</sup>
FOUNDATION EXCAVATION					LUMP SUM

ALL DIMENSIONS ARE OUT TO OUT.

\*\*THE "SP" SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #13 PLAIN OR DEFORMED BAR.

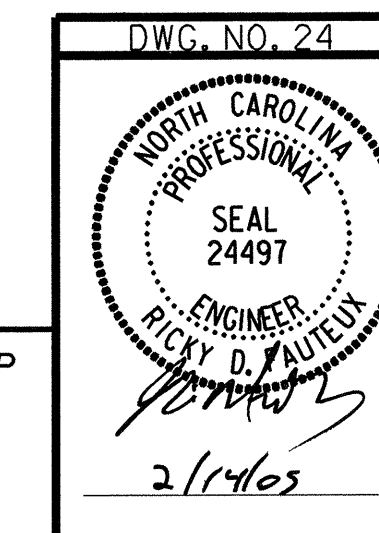
PROJECT NO. R-2552AA  
 WAKE / JOHNSTON COUNTY  
 STATION: 19+25.877 -I1Y1- P.O.T.

SHEET 2 OF 2

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

SUBSTRUCTURE  
 BENT 1  
 DETAILS

JANUARY 2005



RUMMEL, KLEPPER & KAHL, LLP  
 consulting engineers  
 5800 FARINGDON PLACE - SUITE 105  
 RALEIGH, NORTH CAROLINA 27609-3960

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

DRAWN BY: B. PARRISH DATE: 01/05  
 CHECKED BY: R. D. FAUTEUX DATE: 01/05

(DATA SHOWN TYPICAL FOR ALL FOOTINGS)

G:\COMMONS\304046\BRIDGE\SITE\I\DN\FINAL\R2552AA-SD-B12-01.DGN