



BAR TYPES

ALL BAR DIMENSIONS ARE OUT TO OUT.

*** THE SP-3 SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #4 PLAIN OR DEFORMED BAR.
 *** THE SP-1 AND SP-2 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORM BAR.

BILL OF MATERIAL					
REINFORCING STEEL					
BAR NO	SIZE	TYPE	LENGTH	WEIGHT	
B1	5	9	1	27'-6"	468
B2	4	5	STR	25'-2"	105
B3	5	9	STR	25'-2"	428
B4	20	4	STR	3'-5"	46
M1	12	9	STR	33'-11"	1384
M2	12	9	STR	22'-11"	935
S1	30	5	3	9'-6"	297
S2	10	4	7	9'-8"	65
U1	32	4	4	6'-4"	135
U2	6	4	4	6'-3"	25
U3	4	4	4	5'-5"	14
U4	4	4	4	5'-7"	15
V1	24	9	2	9'-7"	782
REINFORCING STEEL				lbs.	4,699
SP-1	1	***	6	527'-6"	550
SP-2	1	***	6	310'-5"	324
SP-3	2	*	5	226'-0"	302
SPIRAL COLUMN					
REINFORCING STEEL				lbs.	1,176
CLASS "A" CONCRETE BREAKDOWN					
POUR #2	(COLUMNS)			3.3	C.Y.
POUR #3	(CAP)			11.1	C.Y.
TOTAL				14.4	C.Y.
DRILLED PIERS CONCRETE BREAKDOWN					
POUR #1	(DRILLED PIERS)			15	C.Y.
3'-6" Ø DRILLED PIERS (NOT IN SOIL) LINEAR FEET 25					
3'-6" Ø DRILLED PEIRS (IN SOIL) LINEAR FEET 17.2					
THE CONTRACTORS ATTENTION IS CALLED TO THE FACT THAT THE LONGITUDINAL REINFORCEMENT FOR THE DRILLED PIERS IS DETAILED WITH THREE (3) FEET OF EXTRA LENGTH.					
PERMANENT STEEL CASING FOR 3'-6" DRILLED PIERS LINEAR FEET 20.7					
CROSSHOLE SONIC LOGGING EA. 1					
CSL TUBES LINEAR FEET 175.6					

PROJECT NO. B-3485
MACON COUNTY
 STATION: 15+52.00 -L-
 SHEET 2 OF 2

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
SUBSTRUCTURE BENT #1					
REVISIONS					SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
					TOTAL SHEETS
					32

