



BILL OF MATERIAL					
BENT 2					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	10	#11	1	35'-2"	1868
B2	6	#5	STR	32'-2"	201
D1	40	#8	STR	2'-3"	240
M1	30	#11	STR	19'-4"	3082
S1	52	#5	2	9'-6"	515
U1	6	#4	3	6'-2"	25
U2	8	#4	3	5'-6"	29
V1	30	#11	4	20'-5"	3254
REINFORCING STEEL (FOR BENT 2)					9214 LBS.
SP-1	3	*	5	153'-10"	481
SP-2	3	**	6	464'-4"	931
SPIRAL COLUMN REINFORCING STEEL (FOR BENT 2)					1412 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 SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #4 PLAIN OR DEFORMED BAR					
CLASS A CONCRETE BREAKDOWN (FOR BENT 2)					
POUR #2 (COLUMNS)					9.1 C.Y.
POUR #3 (CAP)					13.2 C.Y.
TOTAL CLASS A CONCRETE					22.3 C.Y.
DRILLED PIERS: (FOR BENT 2)					
DRILLED PIER CONCRETE					
POUR #1 (DRILLED PIERS)					7.5 C.Y.
3'-0" Ø DRILLED PIER NOT IN SOIL					28.50 LIN. FT.
3'-0" Ø DRILLED PIER IN SOIL					0 LIN. FT.
CSL TUBES					132.00 LIN. FT.

PROJECT NO. B-5398  
 BURKE COUNTY  
 STATION: 16+45.00 -L-  
 SHEET 2 OF 2

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 SUBSTRUCTURE  
 BENT No. 2

DRAWN BY: J.M. KEPICH DATE: 02/16  
 CHECKED BY: L.M. SAMPLES DATE: 04/16  
 DESIGN ENGINEER OF RECORD: L.M. SAMPLES DATE: 05/16

ms consultants, inc.  
 920 Main Campus Drive  
 Suite 430  
 Raleigh, NC 27606  
 NC License Number: C-3239

DocuSigned by:  
 Lisa M. Samples  
 5663D099A9B44BC  
 10/14/2016



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

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED				
SHEET NO. S-19				
TOTAL SHEETS 24				