

BILL OF MATERIAL FOR BENT 1					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	10	#11	1	45'-6"	2417
B2	8	#5	STR	42'-6"	355
D1	44	#6	STR	1'-6"	99
M1	30	#11	STR	58'-10"	9377
S1	74	#5	2	9'-0"	695
U1	6	#4	3	5'-8"	23
U2	6	#4	3	5'-6"	22
U3	43	#4	3	4'-2"	120
V1	10	#11	4	12'-2"	646
V2	10	#11	4	11'-7"	615
V3	10	#11	4	11'-0"	584
REINFORCING STEEL (FOR BENT 1)					14953 LBS.
SP-1	3	*	5	813'-5"	2545
SP-2	3	**	6	255'-4"	1151
SPIRAL COLUMN REINFORCING STEEL (FOR BENT 1)					3696 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 1)					
POUR #2 (COLUMNS)					4.3 C.Y.
POUR #3 (CAP)					16.1 C.Y.
TOTAL CLASS A CONCRETE					20.4 C.Y.
DRILLED PIERS: (FOR BENT 1)					
DRILLED PIER CONCRETE POUR #1 (DRILLED PIERS)					38.4 C.Y.
3'-0" Ø DRILLED PIER NOT IN SOIL					69 LIN. FT.
3'-0" Ø DRILLED PIER IN SOIL					78 LIN. FT.
PERMANENT STEEL CASING FOR 3'-0" Ø DRILLED PIER					51 LIN. FT.
CSL TUBES					606 LIN. FT.

PROJECT NO. HB-0030  
MACON COUNTY  
STATION: 16+10.49 -L-  
SHEET 3 OF 4

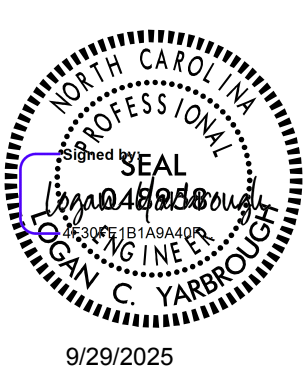
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
SUBSTRUCTURE BENT 1 DETAILS					
REVISIONS					SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
					TOTAL SHEETS 26

DRAWN BY : G. DWIGHT LOFLIN DATE : 07-2025  
CHECKED BY : LOGAN C. YARBROUGH DATE : 07-2025  
DESIGN ENGINEER OF RECORD: LOGAN C. YARBROUGH DATE : 08-2025

**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

**DRMP**  
8210 UNIVERSITY EXECUTIVE  
PARK DRIVE SUITE 220,  
CHARLOTTE, NC 28262  
(704) 549-4260

NC LICENSE NO. F-1524



DRMP JOB NUMBER: 20-0464.031

STD. NO. DP\_BT\_33\_60S\_<50'