



BILL OF MATERIAL					
BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
H1	16	#4	STR	16'-1"	172
H2	8	#4	STR	14'-9"	78
H3	8	#4	STR	9'-0"	48
H4	8	#4	STR	3'-5"	18
H5	48	#4	1	3'-3"	104
H6	8	#4	STR	16'-8"	89
N1	8	#5	2	9'-10"	53
N2	8	#5	2	9'-1"	49
N3	8	#4	2	8'-6"	45
N4	12	#4	2	7'-9"	62
N5	12	#4	2	6'-11"	55
N6	12	#4	2	6'-2"	49
N7	12	#4	2	5'-4"	43
S1	12	#6	STR	6'-0"	108
T1	12	#5	STR	17'-11"	224
V1	8	#4	STR	7'-3"	39
V2	8	#4	STR	6'-7"	35
V3	8	#4	STR	6'-0"	32
V4	12	#4	STR	5'-3"	42
V5	12	#4	STR	4'-5"	35
V6	12	#4	STR	3'-8"	29
V7	12	#4	STR	2'-10"	23
Z1	16	#4	3	5'-1"	54
Z2	8	#4	3	4'-9"	25
Z3	12	#4	3	4'-4"	35
Z4	12	#4	3	3'-11"	31
Z5	12	#4	3	3'-6"	28
Z6	12	#4	3	3'-1"	25
TOTAL REINFORCING STEEL FOR 4 WINGS					1,632 LBS
CLASS A CONCRETE					
4 WINGS					25.3 CY
2 HEADWALLS					0.7 CY
2 END CURTAIN WALLS					0.6 CY
TOTAL					26.6 CY

PROJECT NO. I-5987B  
ROBESON COUNTY  
 STATION: 23+47.75-Y6-POC

SHEET 4 OF 5

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 STANDARD WINGS AT  
 OUTLET END FOR  
 CONCRETE BOX CULVERT  
 H = 7'-0" SLOPE = 3:1  
 90° SKEW

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

**CDM Smith**  
 CDM SMITH  
 5400 Glenwood Ave, Suite 400  
 Raleigh, NC 27612-3228  
 NC COA No. F-1255

CHECKED BY: THF DATE: 5/21  
 DESIGN ENGINEER: VDK DATE: 6/21

DATE: 4/21  
 DATE: 5/21  
 DATE: 6/21

DWG. No.



REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	C17-4
1			3			TOTAL SHEETS
2			4			5