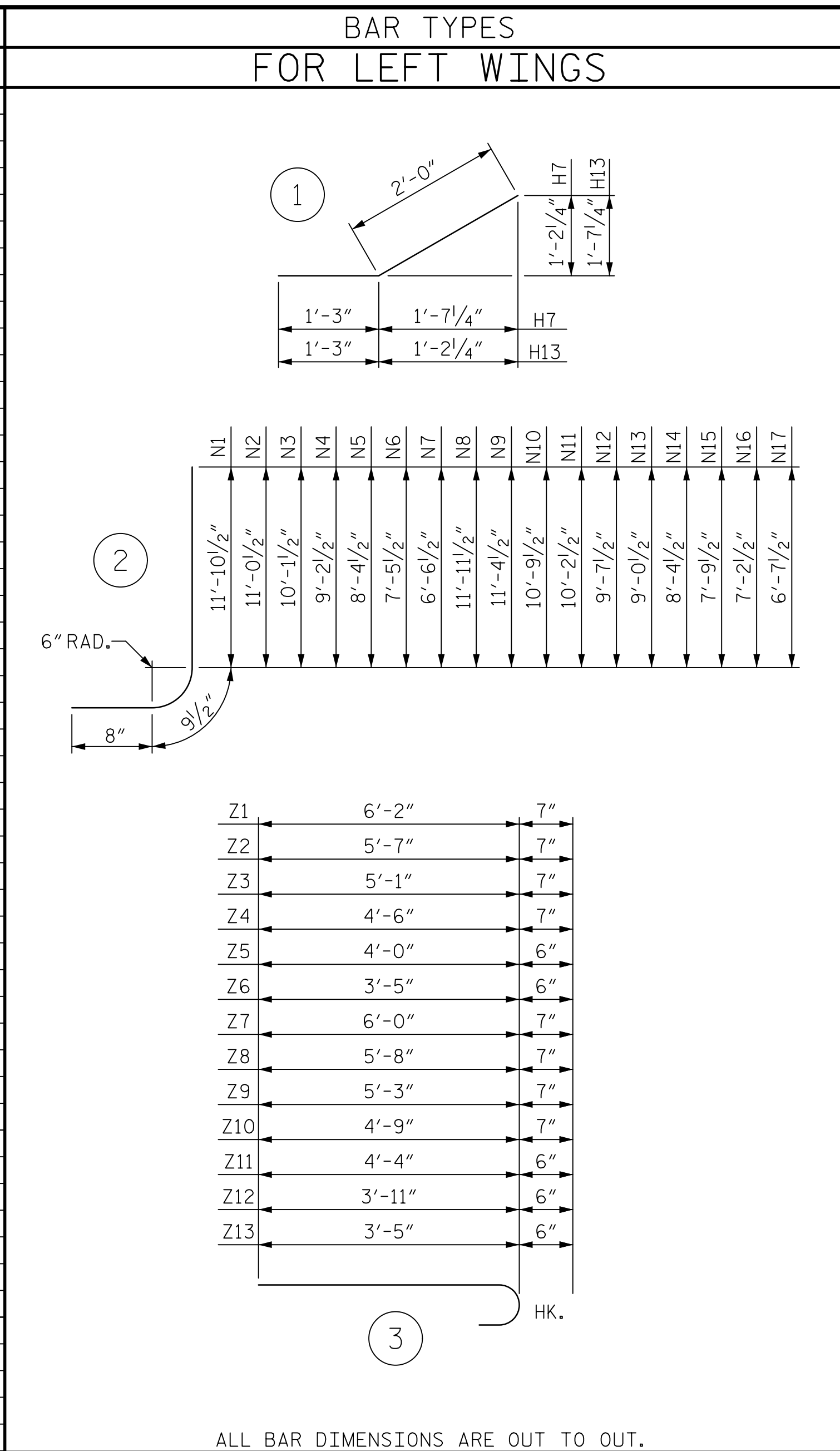


ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL FOR RIGHT WINGS					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
H1	8	#4	STR	22'-4"	119
H2	2	#4	STR	21'-6"	29
H3	2	#4	STR	15'-5"	21
H4	2	#4	STR	9'-4"	12
H5	2	#4	STR	3'-3"	4
H6	2	#4	STR	23'-0"	31
H7	16	#4	1	3'-3"	35
H8	8	#4	STR	11'-10"	63
H9	2	#4	STR	11'-5"	15
H10	2	#4	STR	7'-11"	11
H11	2	#4	STR	4'-6"	6
H12	2	#4	STR	12'-11"	17
H13	16	#4	1	3'-3"	35
N1	3	#6	2	13'-6"	61
N2	6	#6	2	12'-6"	113
N3	6	#6	2	11'-4"	102
N4	6	#5	2	10'-3"	64
N5	6	#5	2	9'-2"	57
N6	6	#5	2	8'-0"	50
N7	2	#6	2	13'-5"	40
N8	2	#6	2	12'-7"	38
N9	2	#6	2	12'-0"	36
N10	2	#6	2	11'-4"	34
N11	2	#5	2	10'-8"	22
N12	2	#5	2	10'-0"	21
N13	2	#5	2	9'-4"	19
N14	2	#5	2	8'-8"	18
N15	2	#5	2	8'-1"	17
S1	6	#6	STR	6'-0"	54
T1	3	#5	STR	23'-9"	74
T2	3	#5	STR	13'-3"	41
V1	3	#4	STR	11'-5"	23
V2	3	#4	STR	10'-5"	21
V3	3	#4	STR	9'-3"	19
V4	3	#4	STR	8'-2"	16
V5	3	#4	STR	7'-1"	14
V6	3	#4	STR	5'-11"	12
V7	2	#4	STR	11'-4"	15
V8	1	#4	STR	10'-6"	7
V9	1	#4	STR	9'-11"	7
V10	1	#4	STR	9'-3"	6
V11	1	#4	STR	8'-7"	6
V12	1	#4	STR	7'-11"	5
V13	1	#4	STR	7'-3"	5
V14	1	#4	STR	6'-7"	4
V15	1	#4	STR	6'-0"	4
Z1	3	#5	3	6'-9"	21
Z2	5	#5	3	6'-3"	33
Z3	5	#5	3	5'-10"	30
Z4	5	#5	3	5'-4"	28
Z5	5	#5	3	4'-11"	26
Z6	5	#4	3	4'-4"	14
Z7	5	#4	3	3'-11"	13
Z8	3	#5	3	6'-2"	19
Z9	4	#5	3	5'-11"	25
Z10	4	#5	3	5'-6"	23
Z11	4	#5	3	5'-0"	21
Z12	4	#4	3	4'-5"	12
Z13	4	#4	3	3'-11"	10
REINFORCING STEEL FOR 2 RIGHT WINGS				1,698	LBS
CLASS A CONCRETE					
2 WINGS				20.1	CY
1 HEADWALL				1.9	CY
1 END CURTAIN WALL				2.3	CY
TOTAL				24.3	CY

BILL OF MATERIAL FOR LEFT WINGS					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
E1	16	#5	STR	2'-8"	45
H1	8	#4	STR	18'-4"	98
H2	2	#4	STR	17'-8"	24
H3	2	#4	STR	12'-7"	17
H4	2	#4	STR	7'-6"	10
H5	2	#4	STR	2'-5"	3
H6	2	#4	STR	19'-1"	25
H7	16	#4	1	3'-3"	35
H8	8	#4	STR	13'-0"	69
H9	2	#4	STR	12'-6"	17
H10	2	#4	STR	8'-9"	12
H11	2	#4	STR	5'-1"	7
H12	2	#4	STR	14'-0"	19
H13	16	#4	1	3'-3"	35
N1	3	#6	2	13'-4"	60
N2	4	#6	2	12'-6"	75
N3	4	#6	2	11'-7"	70
N4	4	#5	2	10'-8"	45
N5	4	#5	2	9'-10"	41
N6	4	#5	2	8'-11"	37
N7	4	#5	2	8'-0"	33
N8	2	#6	2	13'-5"	40
N9	2	#6	2	12'-10"	39
N10	2	#6	2	12'-3"	37
N11	2	#6	2	11'-8"	35
N12	2	#6	2	11'-1"	33
N13	2	#5	2	10'-6"	22
N14	2	#5	2	9'-10"	21
N15	2	#5	2	9'-3"	19
N16	2	#5	2	8'-8"	18
N17	2	#5	2	8'-1"	17
S1	6	#6	STR	6'-0"	54
T1	3	#5	STR	19'-6"	61
T2	3	#5	STR	14'-5"	45
V1	3	#4	STR	11'-3"	23
V2	2	#4	STR	10'-5"	14
V3	2	#4	STR	9'-6"	13
V4	2	#4	STR	8'-7"	11
V5	2	#4	STR	7'-9"	10
V6	2	#4	STR	6'-10"	9
V7	2	#4	STR	5'-11"	8
V8	2	#4	STR	11'-4"	15
V9	1	#4	STR	10'-9"	7
V10	1	#4	STR	10'-2"	7
V11	1	#4	STR	9'-7"	6
V12	1	#4	STR	9'-0"	6
V13	1	#4	STR	8'-5"	6
V14	1	#4	STR	9'-9"	7
V15	1	#4	STR	7'-2"	5
V16	1	#4	STR	6'-7"	4
V17	1	#4	STR	6'-0"	4
Z1	2	#5	3	6'-9"	14
Z2	5	#5	3	6'-2"	32
Z3	5	#5	3	5'-8"	30
Z4	5	#5	3	5'-1"	27
Z5	5	#4	3	4'-6"	15
Z6	5	#4	3	3'-11"	13
Z7	3	#5	3	6'-7"	21
Z8	2	#5	3	6'-3"	13
Z9	3	#5	3	5'-10"	18
Z10	3	#5	3	5'-4"	17
Z11	3	#4	3	4'-10"	10
Z12	3	#4	3	4'-5"	9
Z13	3	#4	3	3'-11"	8
REINFORCING STEEL FOR 2 LEFT WINGS				1,600	LBS
CLASS A CONCRETE					
2 WINGS				18.6	CY
1 HEADWALL				1.7	CY
1 END CURTAIN WALL				2.0	CY
TOTAL				22.3	CY

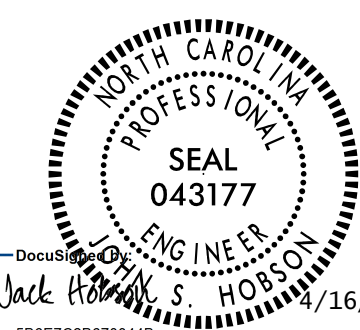


ALL BAR DIMENSIONS ARE OUT TO OUT.

DRAWN BY : J.S. HOBSON DATE : 03/12/19  
 CHECKED BY : J.A. LEE DATE : 04/09/19  
 DESIGN ENGINEER OF RECORD : J.S. HOBSON DATE : 04/11/19



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 FINAL UNLESS ALL  
 SIGNATURES COMPLETED

PROJECT NO. R-4707  
 GUILFORD COUNTY  
 STATION: 46+07.79 -Y-

SHEET 9 OF 9

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 WINGWALL BILL OF  
 MATERIAL FOR  
 CONCRETE BOX CULVERT  
 H = 10'-0" SLOPE = 2:1

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	C2-09
1			3			TOTAL SHEETS
2			4			9