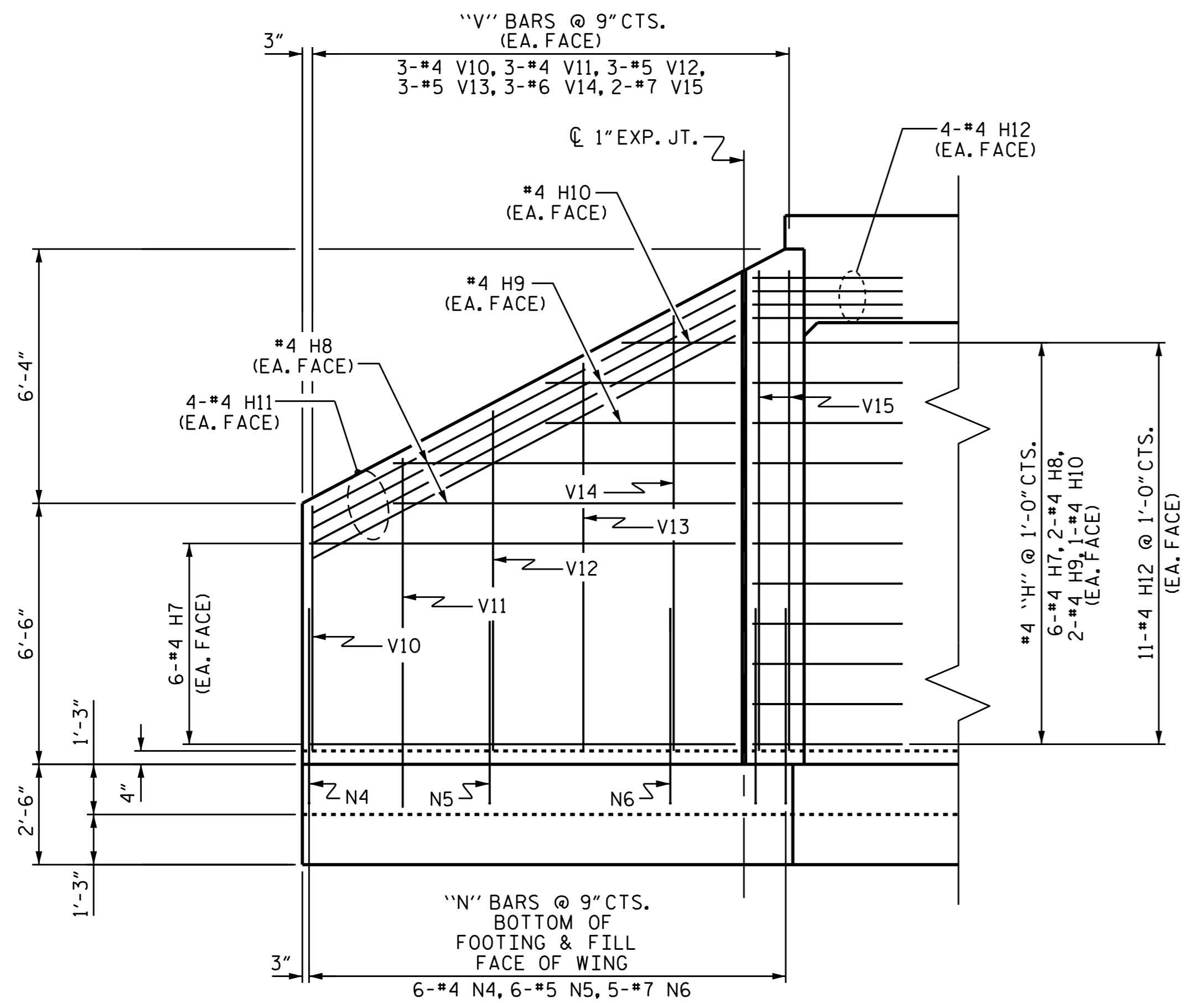


PLAN W2



ELEVATION W2

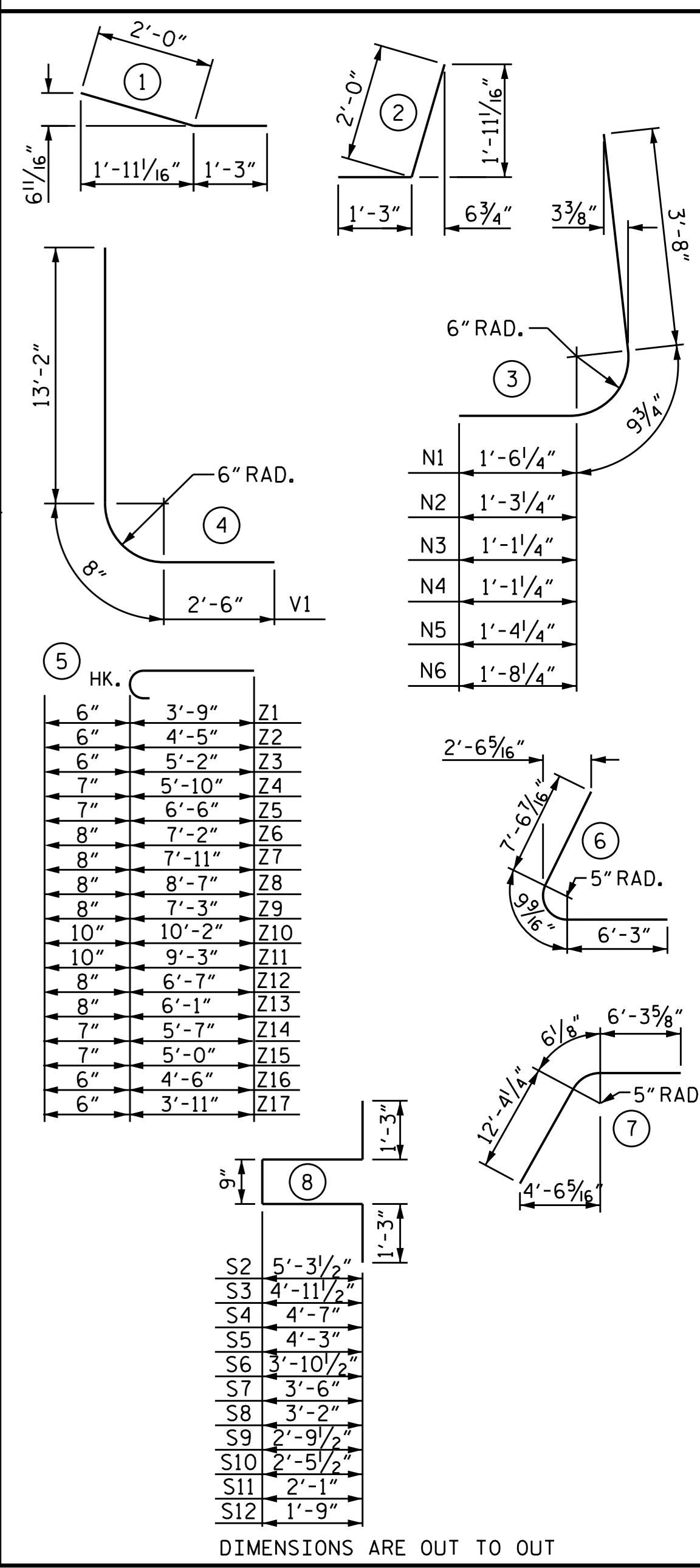
REINFORCING STEEL BAR SCHEDULE

WING 1 STAGE I					WING 2 STAGE I & STAGE II PHASE 2					WING 1 STAGE II PHASE 1							
BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR NO.	SIZE	TYPE	LENGTH	WEIGHT			
H1	24	#4	STR	21'-7"	346	H7	12	#4	STR	10'-7"	85	B1	2	#4	STR	12'-9"	17
H2	8	#4	STR	17'-9"	95	H8	4	#4	STR	8'-6"	23	H3	16	#6	STR	10'-0"	240
H3	4	#4	STR	20'-6"	55	H9	4	#4	STR	4'-8"	12	H1	24	#4	STR	21'-7"	346
H4	2	#4	STR	7'-3"	10	H10	2	#4	STR	2'-10"	4	H2	8	#4	STR	17'-9"	95
H5	16	#4	STR	21'-10"	233	H11	8	#4	STR	11'-11"	64	H3	4	#4	STR	20'-6"	55
H6	30	#4	1	3'-3"	65	H12	30	#4	2	3'-3"	65	H4	2	#4	STR	7'-3"	10
N1	21	#6	3	6'-0"	189	N4	6	#4	3	5'-7"	22	H5	16	#4	STR	21'-10"	233
N2	21	#5	3	5'-9"	126	N5	6	#5	3	5'-10"	37	H6	30	#4	1	3'-3"	65
N3	14	#4	3	5'-7"	52	N6	5	#7	3	6'-2"	63	N1	21	#6	3	6'-0"	189
T1	10	#5	STR	22'-7"	236	T2	4	#5	STR	12'-2"	51	N2	21	#5	3	5'-9"	126
V1	4	#7	4	16'-4"	134	V10	6	#4	STR	6'-1"	24	N3	14	#4	3	5'-7"	52
V2	14	#6	STR	11'-6"	242	V11	6	#4	STR	7'-3"	29	P1	2	#9	6	14'-7"	99
V3	14	#6	STR	10'-9"	226	V12	6	#5	STR	8'-5"	53	P2	2	#9	7	19'-2"	130
V4	14	#6	STR	9'-11"	209	V13	6	#5	STR	9'-8"	60	S2	1	#4	8	13'-10"	9
V5	14	#5	STR	9'-2"	134	V14	6	#6	STR	10'-10"	98	S3	1	#4	8	13'-2"	9
V6	14	#5	STR	8'-4"	122	V15	4	#7	STR	11'-11"	97	S4	1	#4	8	12'-5"	8
V7	14	#5	STR	7'-7"	111	Z12	2	#6	5	7'-3"	22	S5	1	#4	8	11'-9"	8
V8	14	#4	STR	6'-9"	63	Z13	3	#6	5	6'-9"	30	S6	1	#4	8	11'-0"	7
V9	14	#4	STR	6'-0"	56	Z14	3	#5	5	6'-2"	19	S7	1	#4	8	10'-3"	7
Z1	7	#4	5	4'-3"	20	Z15	3	#5	5	5'-7"	17	S8	1	#4	8	10'-3"	7
Z2	7	#4	5	4'-11"	23	Z16	3	#4	5	5'-0"	10	S9	1	#4	8	8'-10"	6
Z3	7	#4	5	5'-8"	26	Z17	3	#4	5	4'-5"	9	S10	1	#4	8	8'-2"	5
Z4	7	#5	5	6'-5"	47	REINFORCING STEEL FOR 1 W2 WING (STAGE I & STAGE II) (2 REQ'D.) 894 LBS.											
Z5	7	#5	5	7'-1"	52	REINFORCING STEEL FOR 1 W1 WING (STAGE I) 3561 LBS.											
Z6	7	#6	5	7'-10"	82	REINFORCING STEEL FOR 1 W1 WING (STAGE II) 4146 LBS.											
Z7	7	#6	5	8'-7"	90	T1	10	#5	STR	22'-7"	236	V1	4	#7	4	16'-4"	134
Z8	7	#6	5	9'-3"	97	V2	14	#6	STR	11'-6"	242	V2	14	#6	STR	11'-6"	242
Z9	10	#6	5	7'-11"	119	V3	14	#6	STR	10'-9"	226	V3	14	#6	STR	10'-9"	226
Z10	7	#7	5	11'-0"	157	V4	14	#6	STR	9'-11"	209	V4	14	#6	STR	9'-11"	209
Z11	7	#7	5	10'-1"	144	V5	14	#5	STR	9'-2"	134	V5	14	#5	STR	9'-2"	134
REINFORCING STEEL FOR 1 W1 WING (STAGE II) 4146 LBS.																	
DIMENSIONS ARE OUT TO OUT																	

WING QUANTITIES

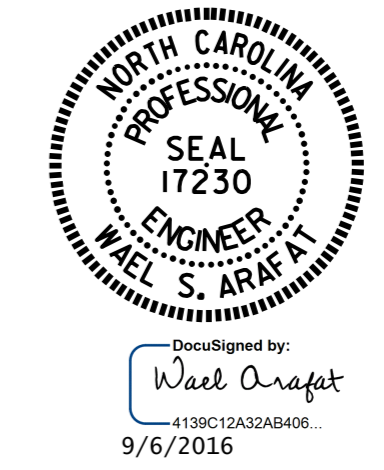
CLASS A CONCRETE	
STAGE I	
2 WINGS	47.8 C.Y.
1 END CURTAIN WALL	3.3 C.Y.
1 HEADWALL	2.8 C.Y.
2 EDGE BEAMS	4.5 C.Y.
TOTAL STAGE I	58.4 C.Y.
REINFORCING STEEL	
STAGE I, WING 1	3561 LBS.
STAGE I, WING 2	894 LBS.
TOTAL STAGE I WINGS	4455 LBS.
CLASS A CONCRETE	
STAGE II-PHASE 1	
PHASE 1 WING	8.4 C.Y.
PHASE 1 END CURTAIN WALL	1.8 C.Y.
PHASE 1 EDGE BEAM	1.2 C.Y.
TOTAL PHASE 1	11.4 C.Y.
STAGE II-PHASE 2	
PHASE 2 WING	40.5 C.Y.
PHASE 2 END CURTAIN WALLS	1.5 C.Y.
PHASE 2 HEADWALL	2.8 C.Y.
PHASE 2 EDGE BEAMS	3.3 C.Y.
TOTAL PHASE 2	48.1 C.Y.
TOTAL STAGE II CLASS A CONCRETE	59.5 C.Y.
REINFORCING STEEL	
STAGE II-PHASE 1 WING	4146 LBS.
STAGE II-PHASE 2 WING	894 LBS.
TOTAL STAGE II WINGS	5040 LBS.

BAR TYPES



PROJECT NO. R-2915C  
 ASHE COUNTY  
 STATION: 374+56.00 -L-

SHEET 12 OF 12



STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
**WINGS FOR CONCRETE BOX CULVERT**  
 H = 11'-0" SLOPE = 2:1  
 32°-30'-00" SKEW

DRAWN BY: H. T. BARBOUR DATE: 7-11-16  
 CHECKED BY: V. X. NGUYEN DATE: 7-16  
 DESIGN ENGINEER OF RECORD: A. M. LEE DATE: 7-16

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	C-11
1			3			TOTAL SHEETS
2			4			12