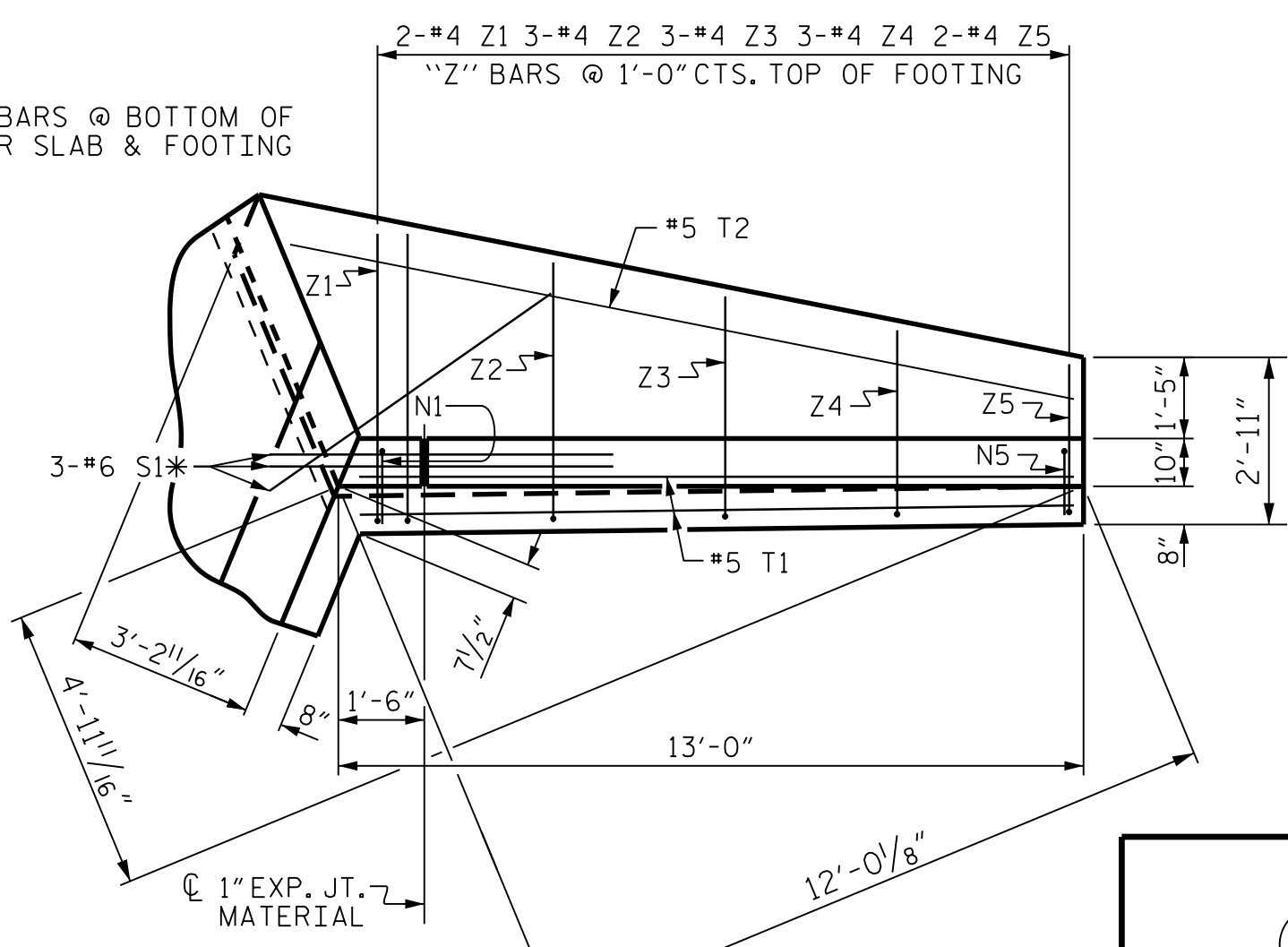
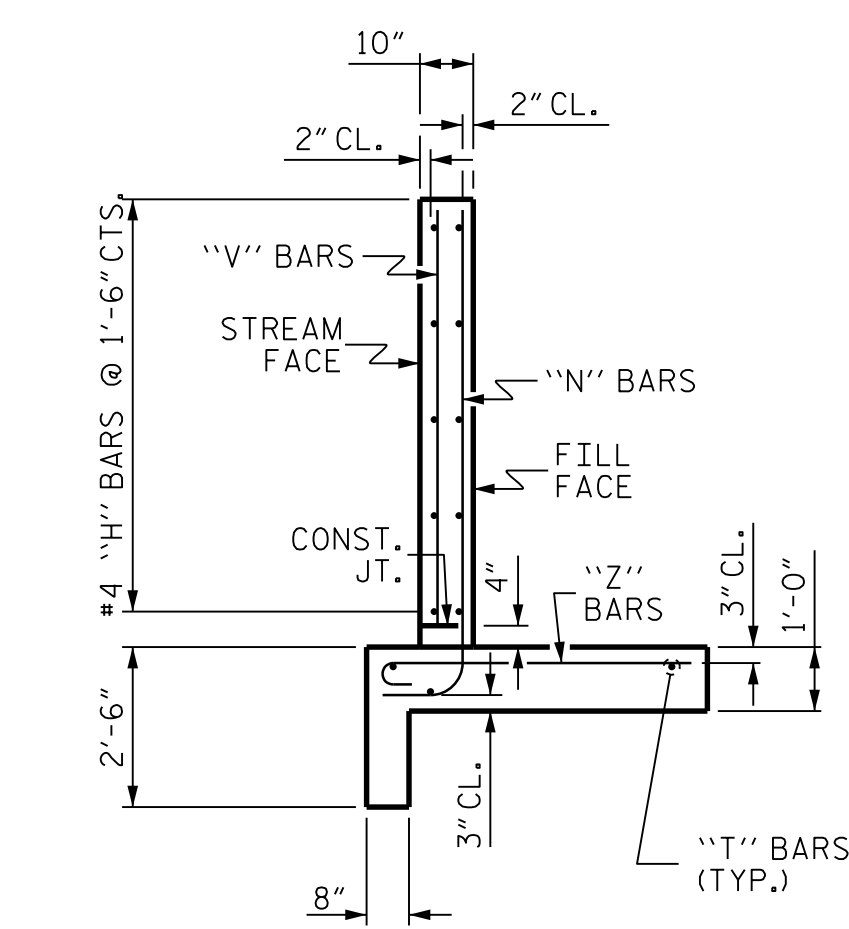


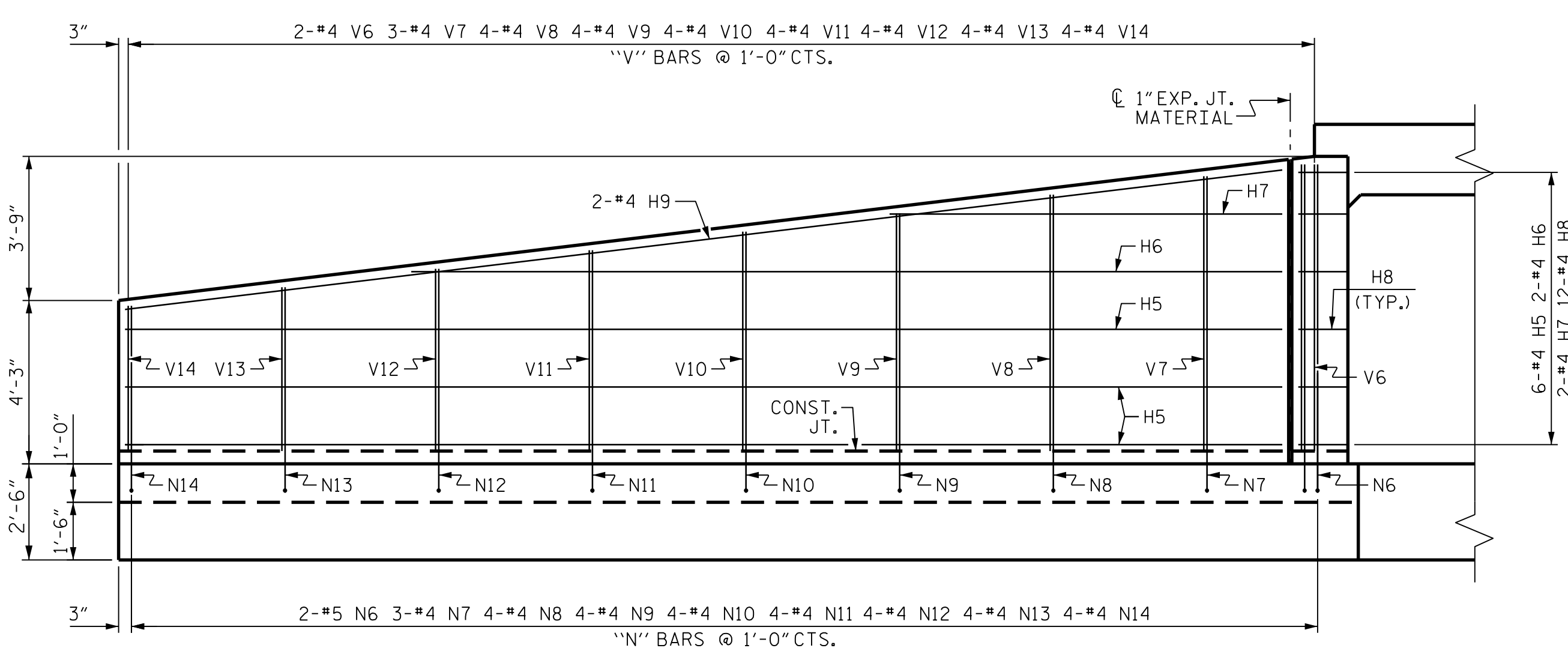
PLAN W1



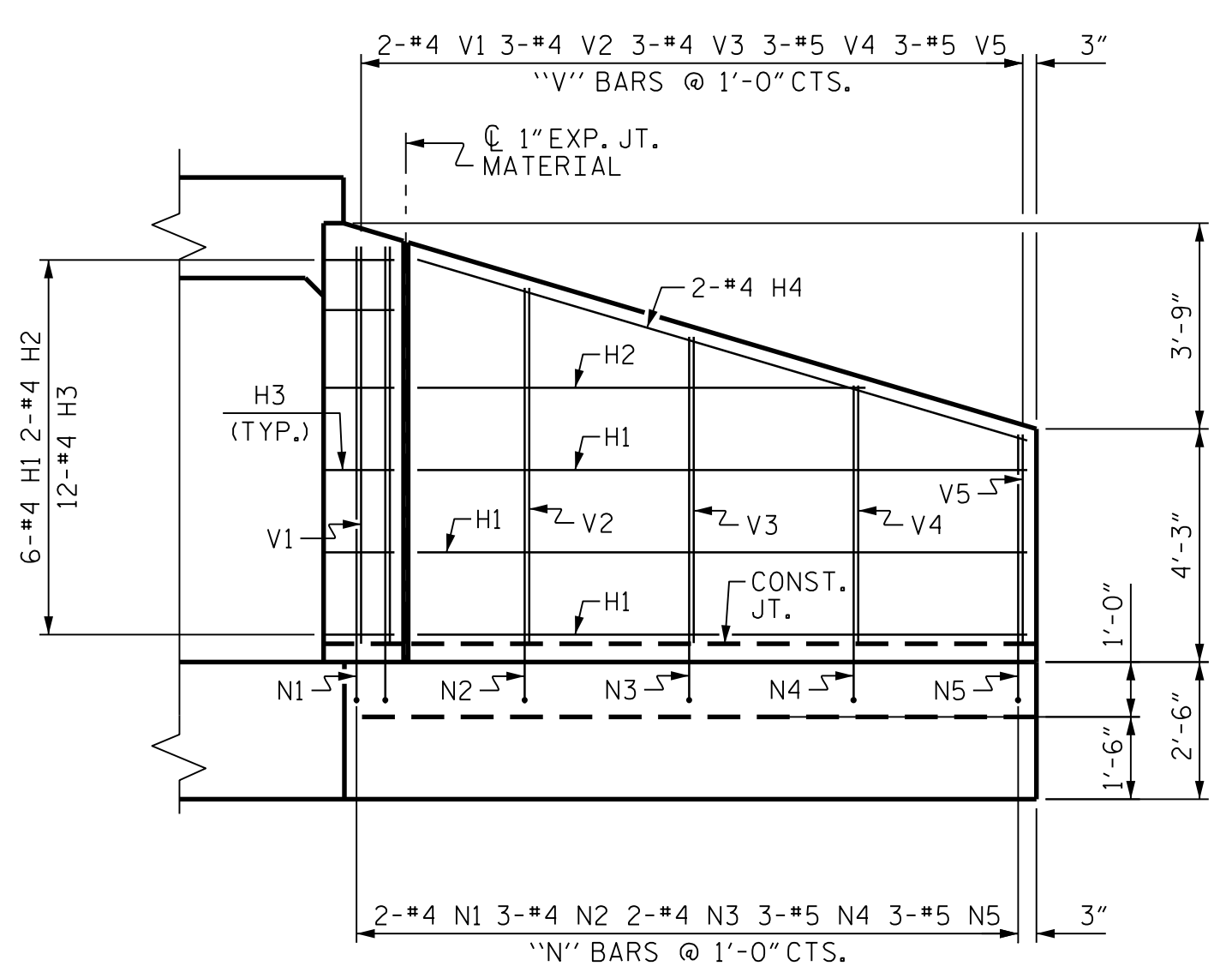
PLAN W2



TYPICAL WING SECTION

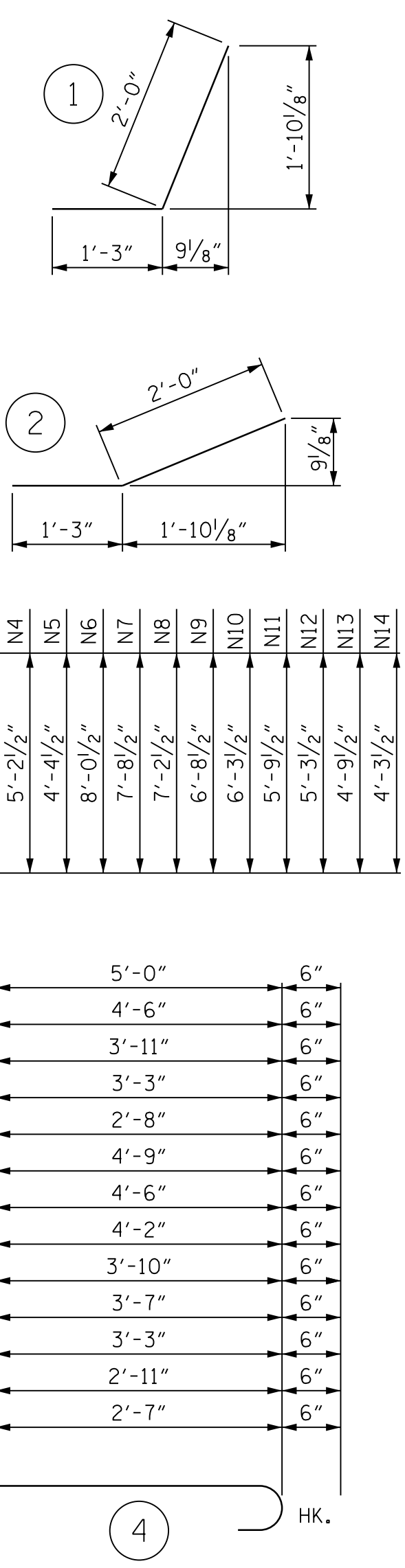


ELEVATION W1



ELEVATION W2

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.  
 CLASS A CONCRETE  
 4 WINGS 33.39 CY  
 2 HEADWALLS 2.36 CY  
 2 END CURTAIN WALLS 2.76 CY  
 TOTAL 38.51 CY

REINFORCING BAR SCHEDULE

BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	
H1	12	#4 STR	11'-1"	89	
H2	4	#4 STR	8'-2"	22	
H3	24	#4	1	3'-3"	52
H4	4	#4 STR	11'-7"	31	
H5	12	#4 STR	30'-1"	241	
H6	4	#4 STR	22'-8"	61	
H7	4	#4 STR	10'-3"	27	
H8	24	#4	2	3'-3"	52
H9	4	#4 STR	33'-4"	81	
N1	4	#5	3	9'-3"	39
N2	6	#5	3	8'-6"	53
N3	6	#4	3	7'-7"	30
N4	6	#4	3	6'-8"	27
N5	6	#4	3	5'-10"	23
N6	4	#5	3	9'-6"	40
N7	6	#5	3	9'-2"	57
N8	8	#5	3	8'-8"	72
N9	8	#4	3	8'-2"	44
N10	8	#4	3	7'-9"	41
N11	8	#5	3	7'-3"	39
N12	8	#5	3	6'-9"	36
N13	8	#4	3	6'-3"	33
N14	8	#4	3	5'-9"	31
S1	12	#6 STR	6'-0"	108	
T1	4	#5 STR	12'-6"	52	
T2	2	#5 STR	13'-11"	29	
T3	6	#5 STR	32'-0"	200	
V1	4	#4 STR	7'-3"	19	
V2	6	#4 STR	6'-6"	26	
V3	6	#4 STR	5'-7"	22	
V4	6	#4 STR	4'-8"	19	
V5	6	#4 STR	3'-10"	15	
V6	4	#4 STR	7'-6"	20	
V7	6	#4 STR	7'-2"	29	
V8	8	#4 STR	6'-8"	36	
V9	8	#4 STR	6'-2"	33	
V10	8	#4 STR	5'-9"	31	
V11	8	#4 STR	5'-3"	28	
V12	8	#4 STR	4'-9"	25	
V13	8	#4 STR	4'-3"	23	
V14	8	#4 STR	3'-9"	20	
Z1	4	#4	4	5'-6"	15
Z2	6	#4	4	5'-0"	20
Z3	6	#4	4	4'-5"	18
Z4	6	#4	4	3'-9"	15
Z5	4	#4	4	3'-2"	8
Z6	10	#4	4	5'-3"	35
Z7	8	#4	4	5'-0"	27
Z8	8	#4	4	4'-8"	25
Z9	8	#4	4	4'-4"	23
Z10	8	#4	4	4'-1"	22
Z11	8	#4	4	3'-9"	20
Z12	8	#4	4	3'-5"	18
Z13	8	#4	4	3'-1"	16

REINFORCING STEEL 2220 LBS FOR 4 WINGS

PROJECT NO. I-5987A  
 ROBESON COUNTY  
 STATION: 454+90.00 -L-

SHEET 7 OF 8

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

WINGS FOR CONCRETE BOX CULVERT  
 H = 7'-0" SLOPE = 3:1  
 135° SKEW

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	C13-7
1			3			TOTAL SHEETS 8
2			4			

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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

DRAWN BY: JJR DATE: 10/21  
 CHECKED BY: THF DATE: 11/21  
 DESIGN ENGINEER: VDK DATE: 12/21

DWG. No.

