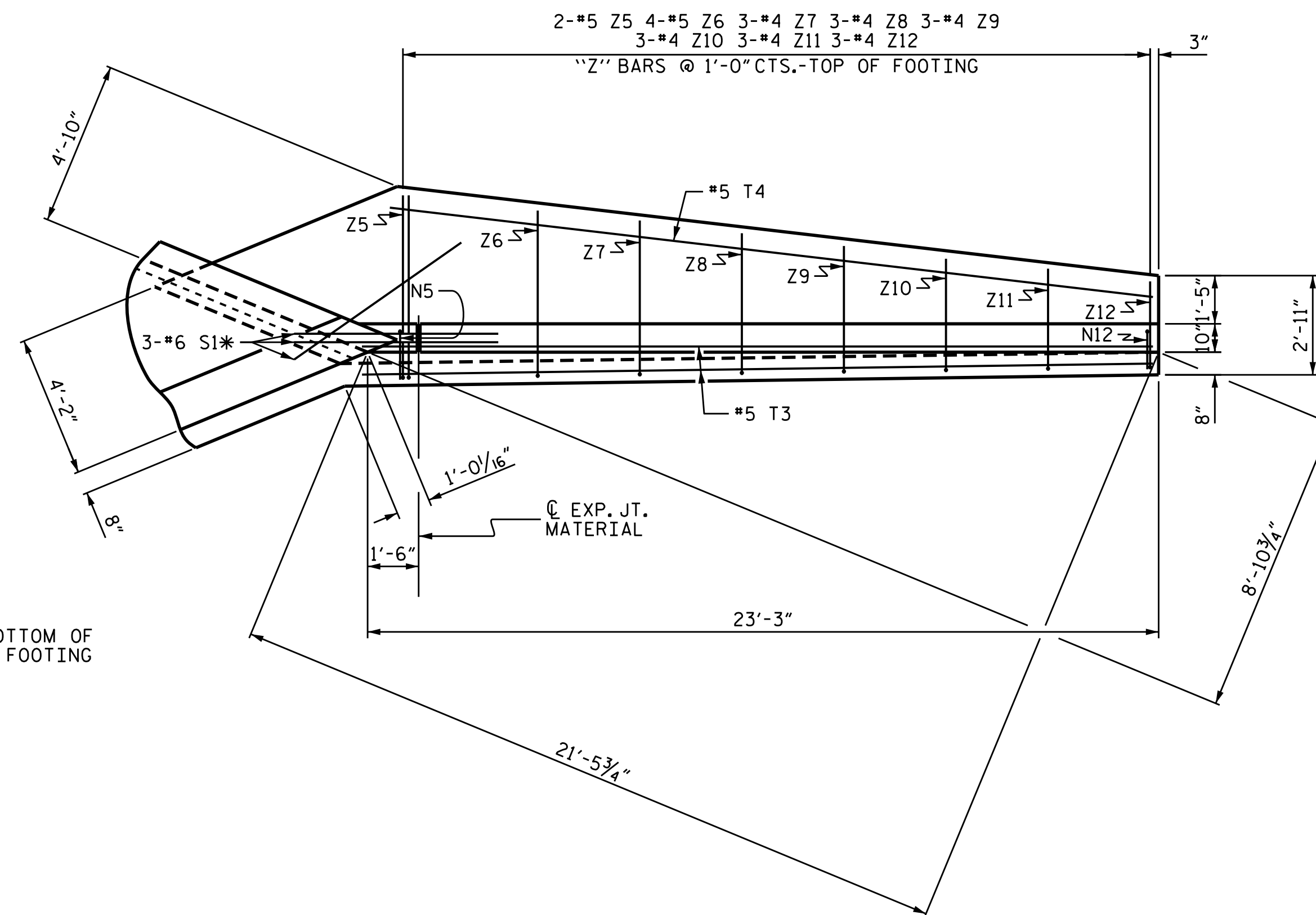
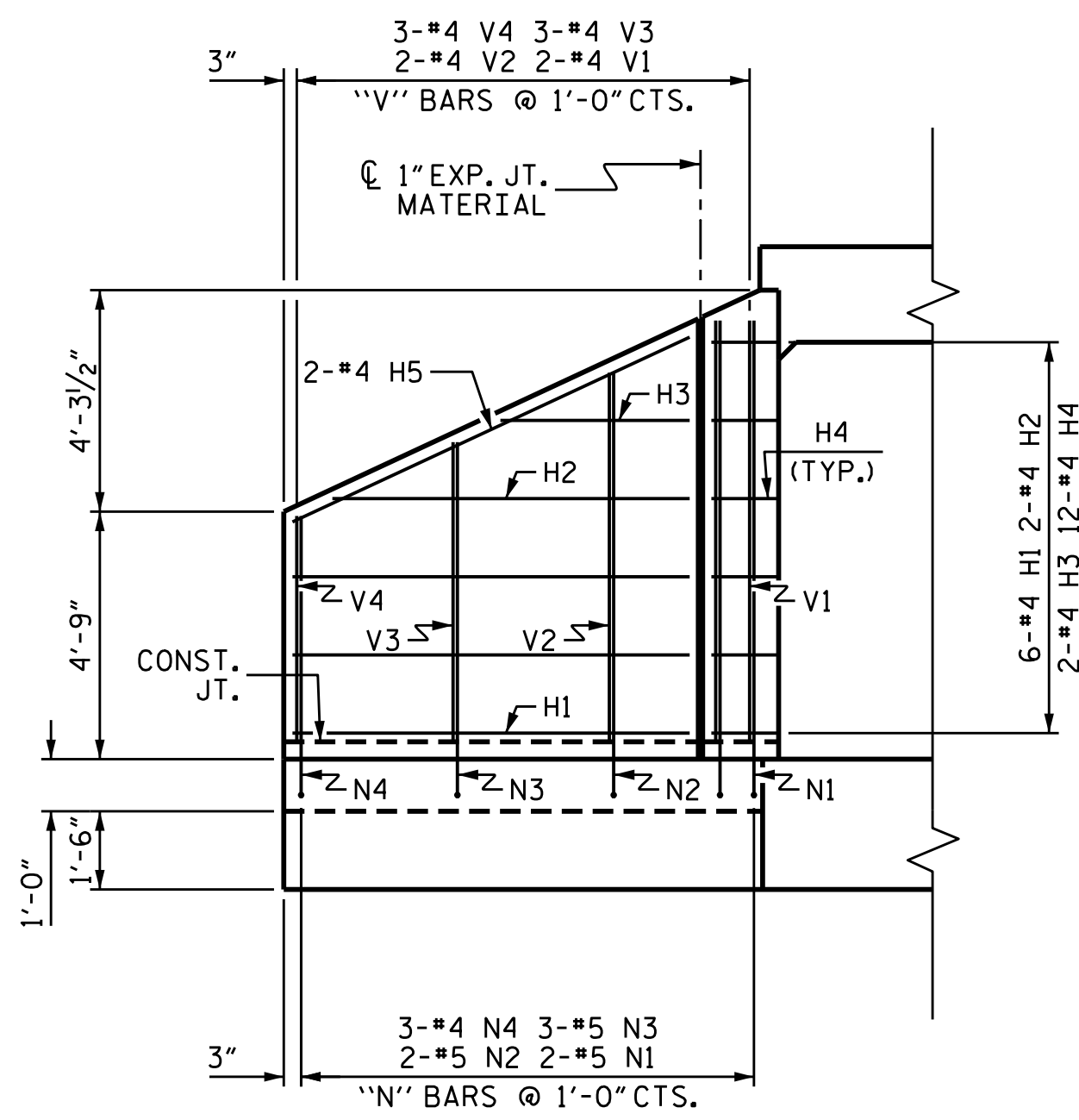


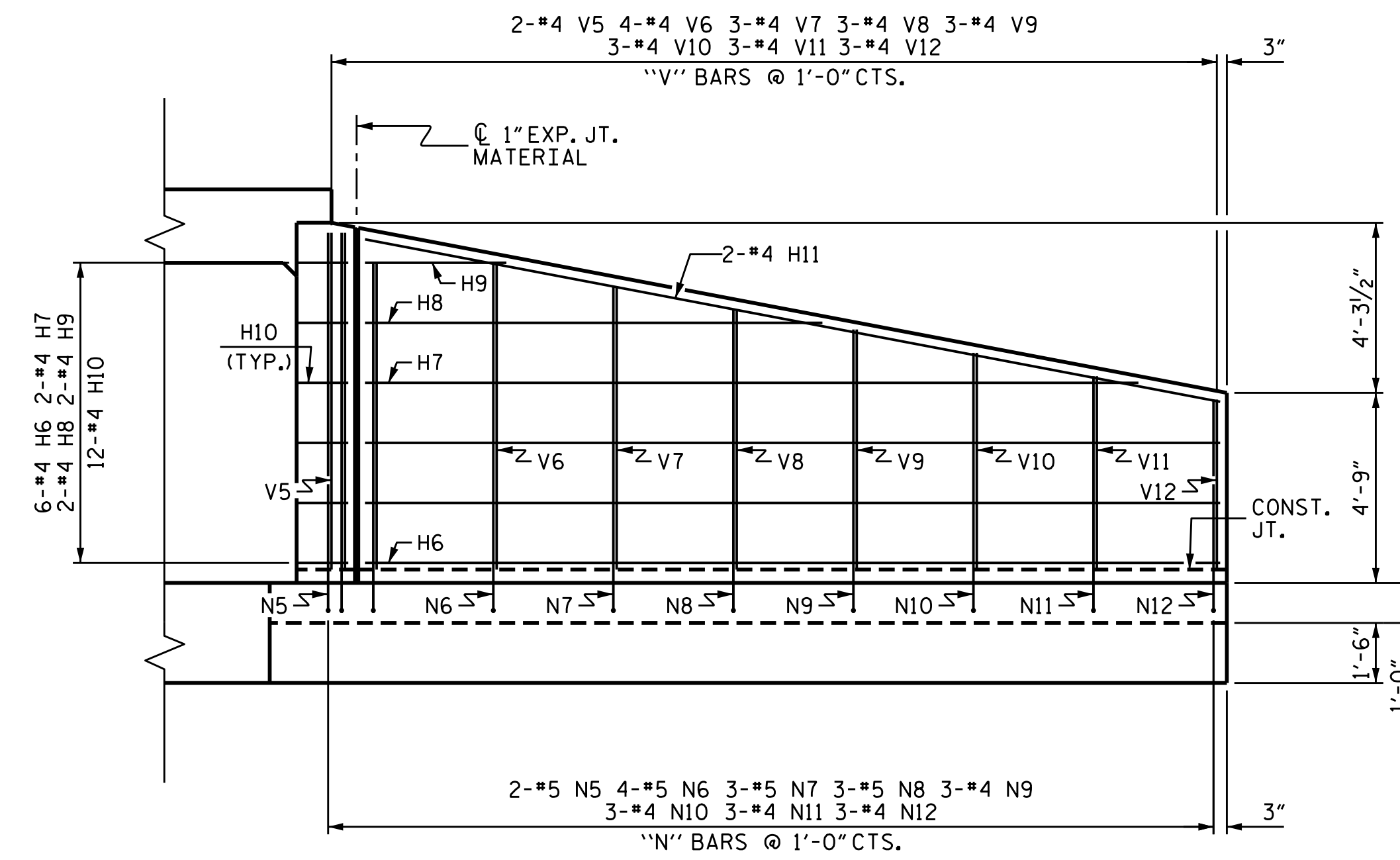
PLAN W2



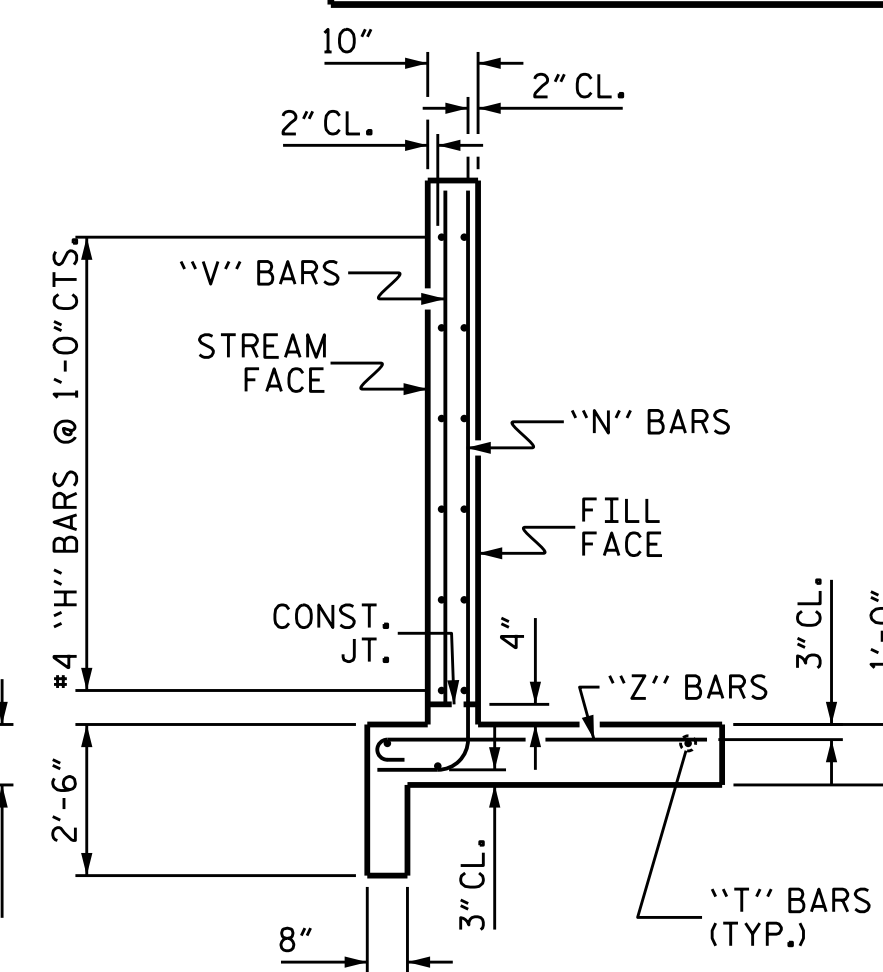
PLAN W1



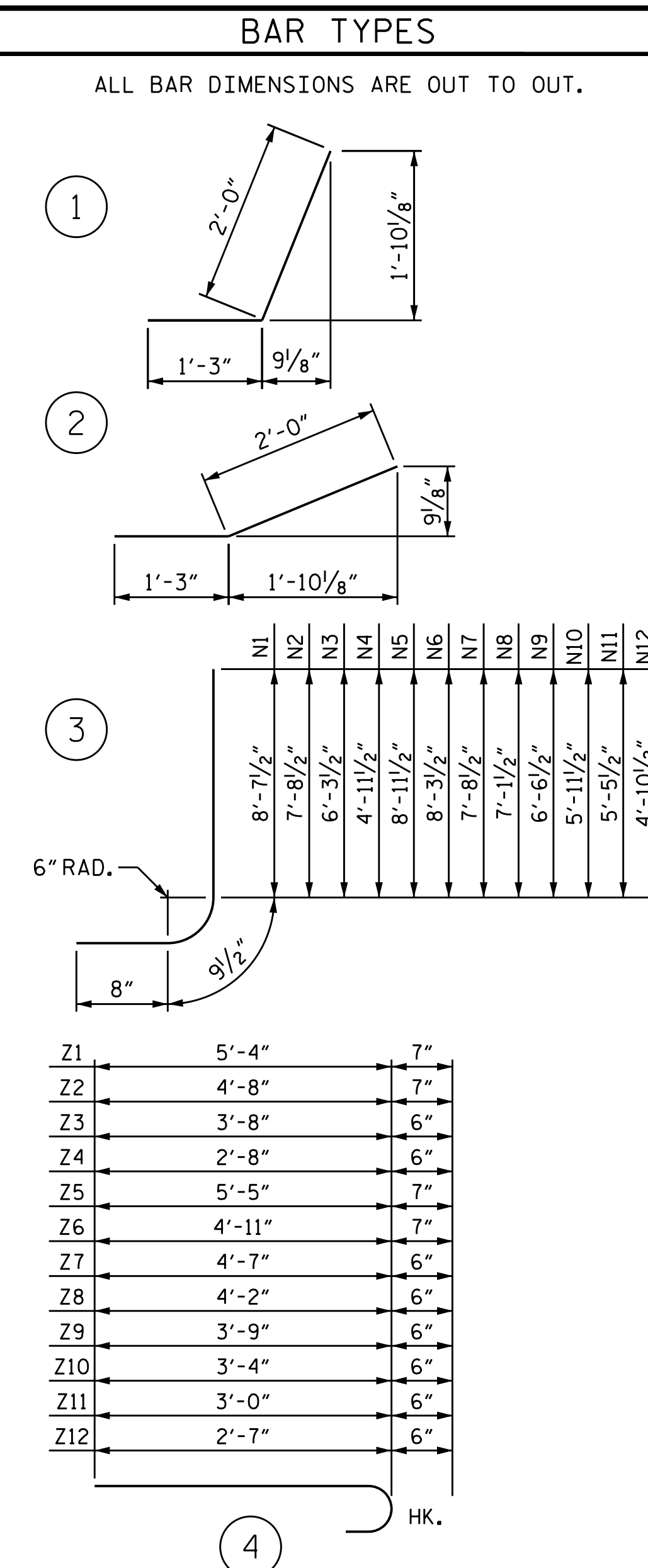
ELEVATION W2



ELEVATION W1



TYPICAL WING SECTION



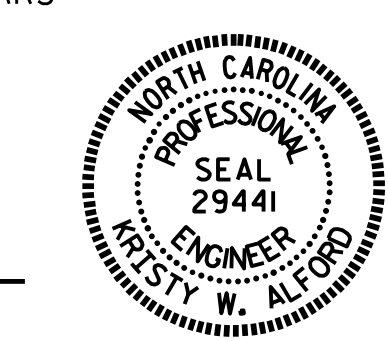
Z1	5'-4"	7"
Z2	4'-8"	7"
Z3	3'-8"	6"
Z4	2'-8"	6"
Z5	5'-5"	7"
Z6	4'-11"	7"
Z7	4'-7"	6"
Z8	4'-2"	6"
Z9	3'-9"	6"
Z10	3'-4"	6"
Z11	3'-0"	6"
Z12	2'-7"	6"

BILL OF MATERIAL					
BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	
H1	12	#4	STR	7'-7"	61
H2	4	#4	STR	6'-10"	18
H3	4	#4	STR	3'-7"	10
H4	24	#4	1	3'-3"	52
H5	4	#4	STR	8'-5"	22
H6	12	#4	STR	21'-4"	171
H7	4	#4	STR	19'-4"	52
H8	4	#4	STR	11'-5"	31
H9	4	#4	STR	3'-6"	9
H10	24	#4	2	3'-3"	52
H11	4	#4	STR	21'-9"	58
N1	4	#5	3	10'-1"	42
N2	4	#5	3	9'-2"	38
N3	6	#5	3	7'-9"	48
N4	6	#4	3	6'-5"	26
N5	4	#5	3	10'-5"	43
N6	8	#5	3	9'-9"	81
N7	6	#5	3	9'-2"	57
N8	6	#5	3	8'-7"	54
N9	6	#4	3	8'-0"	32
N10	6	#4	3	7'-5"	30
N11	6	#4	3	6'-11"	28
N12	6	#4	3	6'-4"	25
S1	12	#6	STR	6'-0"	108
T1	4	#5	STR	9'-6"	40
T2	2	#5	STR	9'-3"	19
T3	4	#5	STR	23'-3"	97
T4	2	#5	STR	22'-7"	47
V1	4	#4	STR	8'-1"	22
V2	4	#4	STR	7'-1"	19
V3	6	#4	STR	5'-9"	23
V4	6	#4	STR	4'-4"	17
V5	4	#4	STR	8'-5"	22
V6	8	#4	STR	7'-8"	41
V7	6	#4	STR	7'-1"	28
V8	6	#4	STR	6'-6"	26
V9	6	#4	STR	6'-0"	24
V10	6	#4	STR	5'-5"	22
V11	6	#4	STR	4'-10"	19
V12	6	#4	STR	4'-3"	17
Z1	4	#5	4	5'-11"	25
Z2	4	#5	4	5'-3"	22
Z3	6	#4	4	4'-2"	17
Z4	6	#4	4	3'-2"	13
Z5	4	#5	4	6'-0"	25
Z6	8	#5	4	5'-6"	46
Z7	6	#4	4	5'-1"	20
Z8	6	#4	4	4'-8"	19
Z9	6	#4	4	4'-3"	17
Z10	6	#4	4	3'-10"	15
Z11	6	#4	4	3'-6"	14
Z12	6	#4	4	3'-1"	12

REINFORCING STEEL FOR 4 WINGS	1876 LBS
CLASS A CONCRETE 4 WINGS	29.1 CY
2 HEADWALLS	2.9 CY
2 END CURTAIN WALLS	3.4 CY
<b>TOTAL</b>	<b>35.4 CY</b>

PROJECT NO. U-3109A  
ALAMANCE COUNTY  
 STATION: 19+77.00 -Y10-

SHEET 4 OF 5  
 STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
**STANDARD WINGS FOR CONCRETE BOX CULVERT**  
 H = 8'-0" SLOPE = 2:1  
 45° OR 135° SKEW



ASSEMBLED BY: A.C. OUTLAW DATE: 4/25/14  
 CHECKED BY: W.F. PARKER DATE: 5/14  
 DRAWN BY: CCJ 01/00  
 CHECKED BY: RWW 03/00

REVISIONS  
 NO. BY: DATE: NO. BY: DATE:  
 1  
 2  
 3  
 4

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED  
 SHEET NO. C3-4  
 TOTAL SHEETS 5