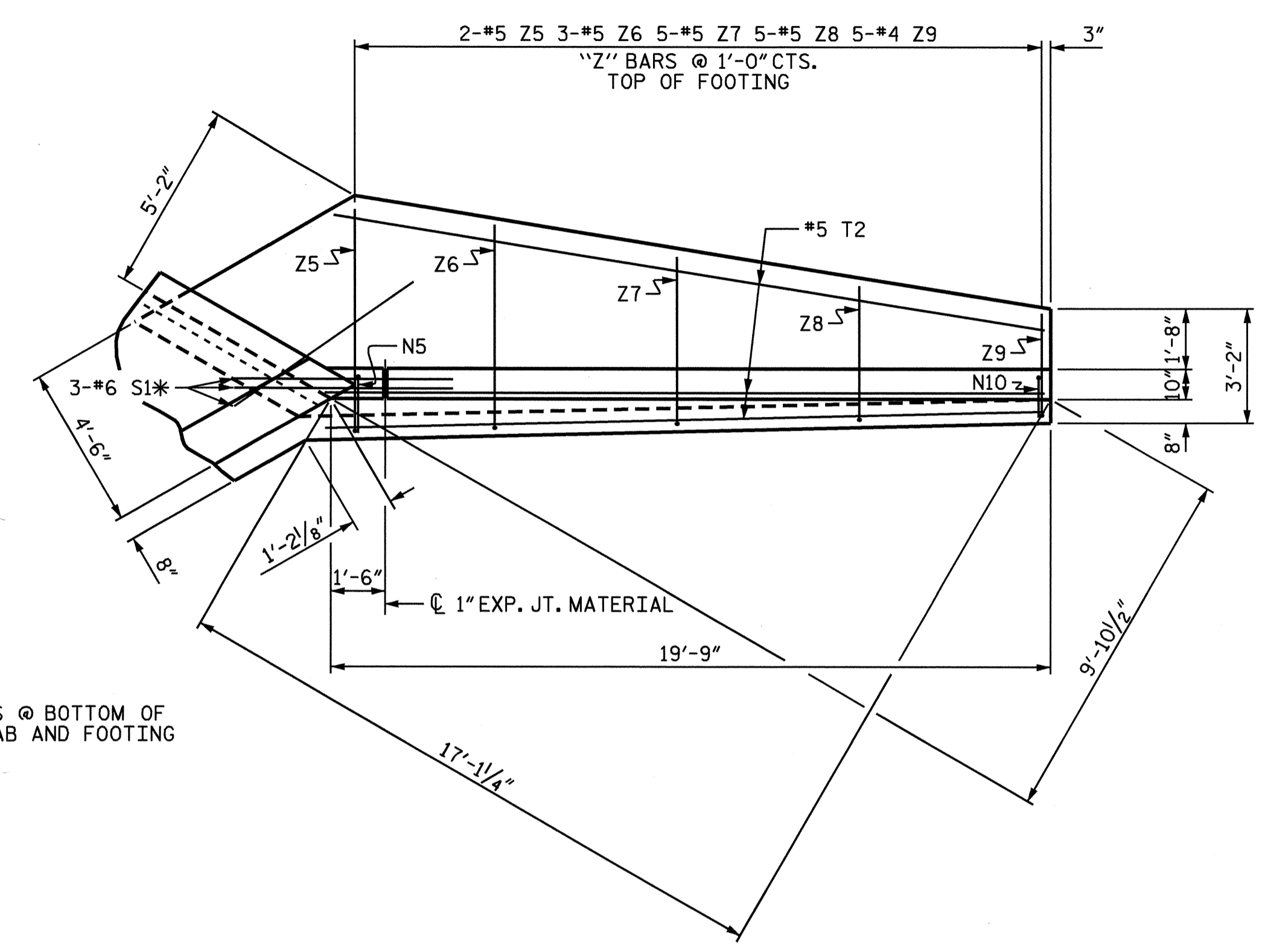
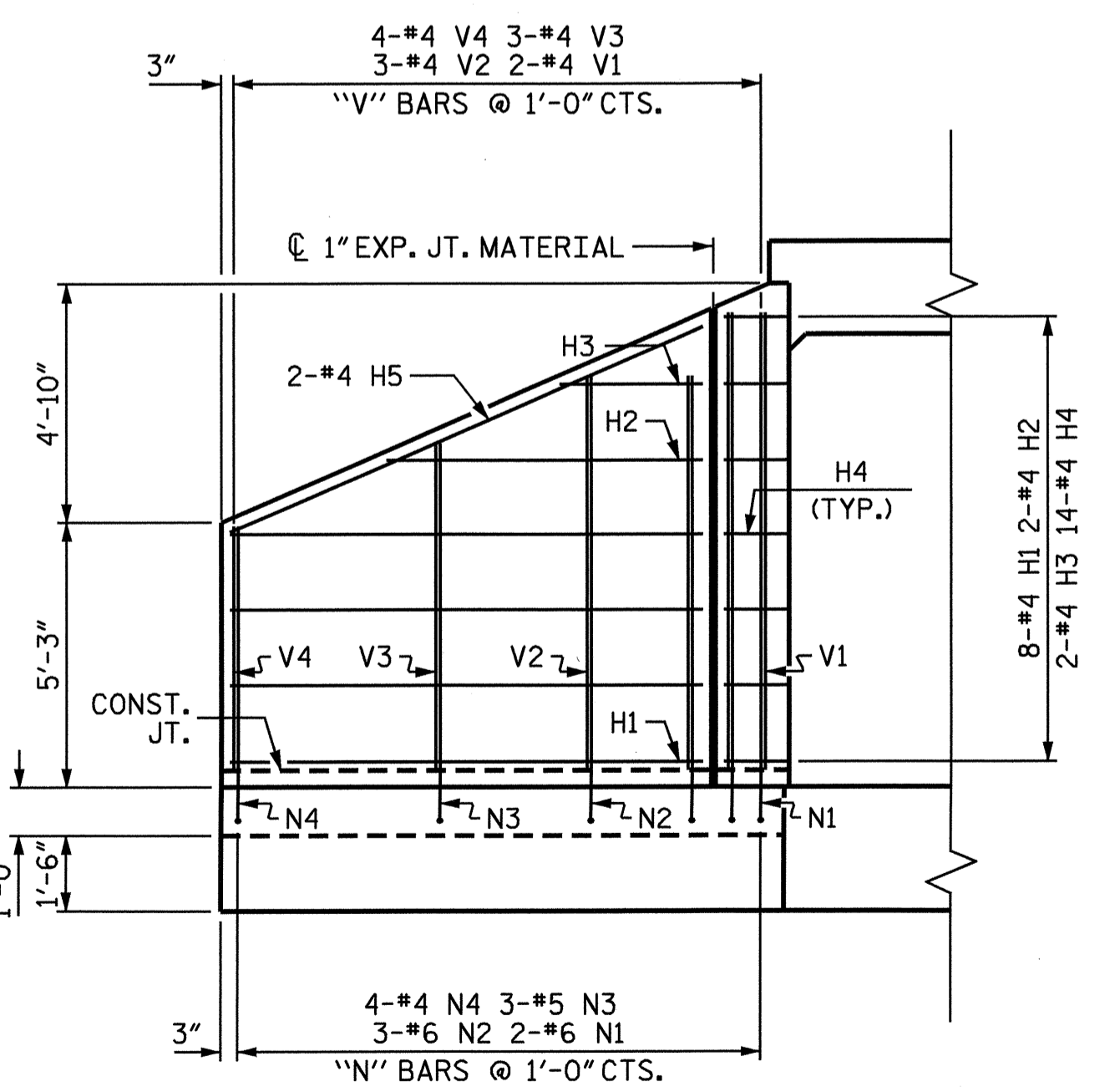


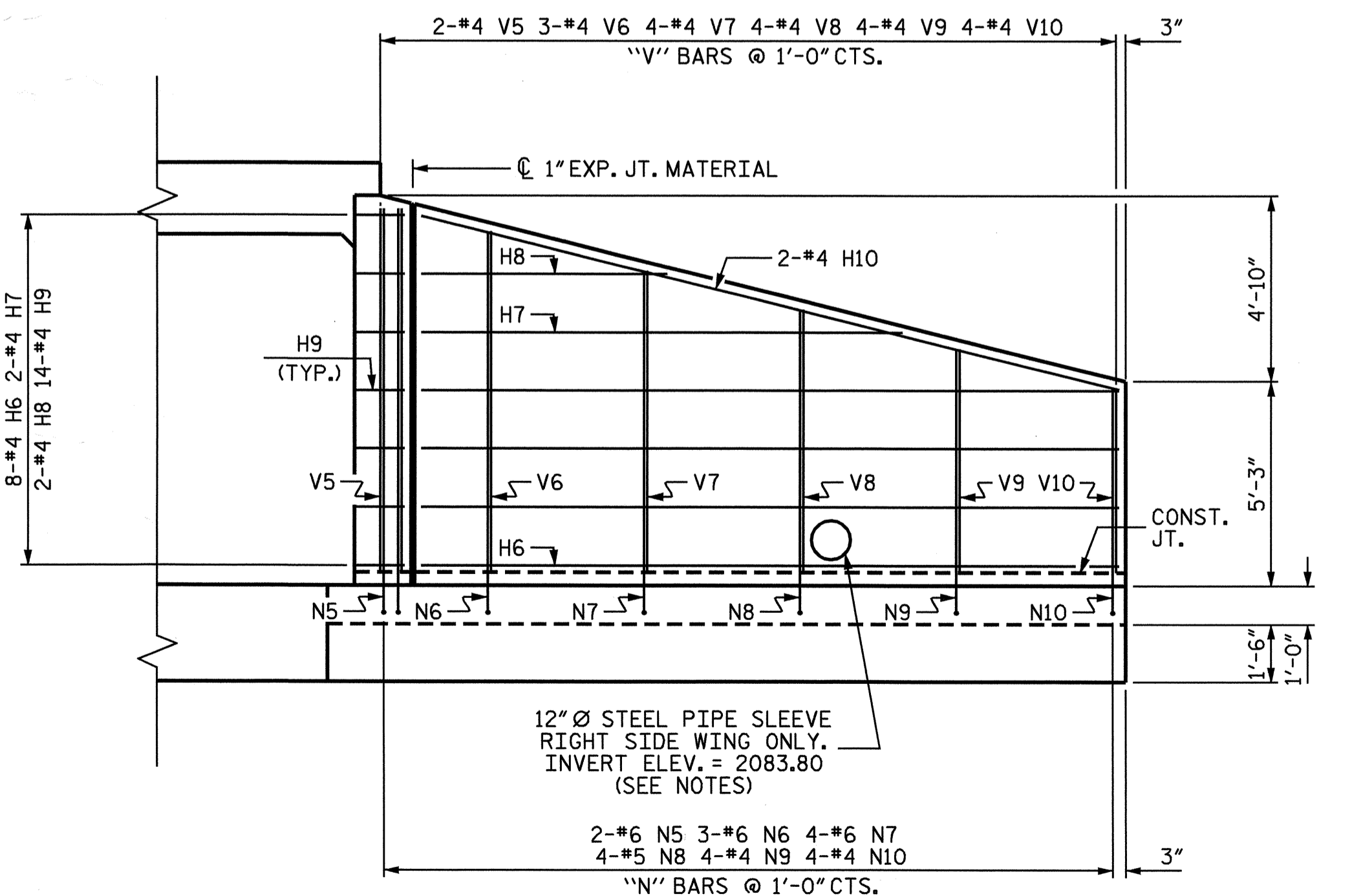
PLAN W2



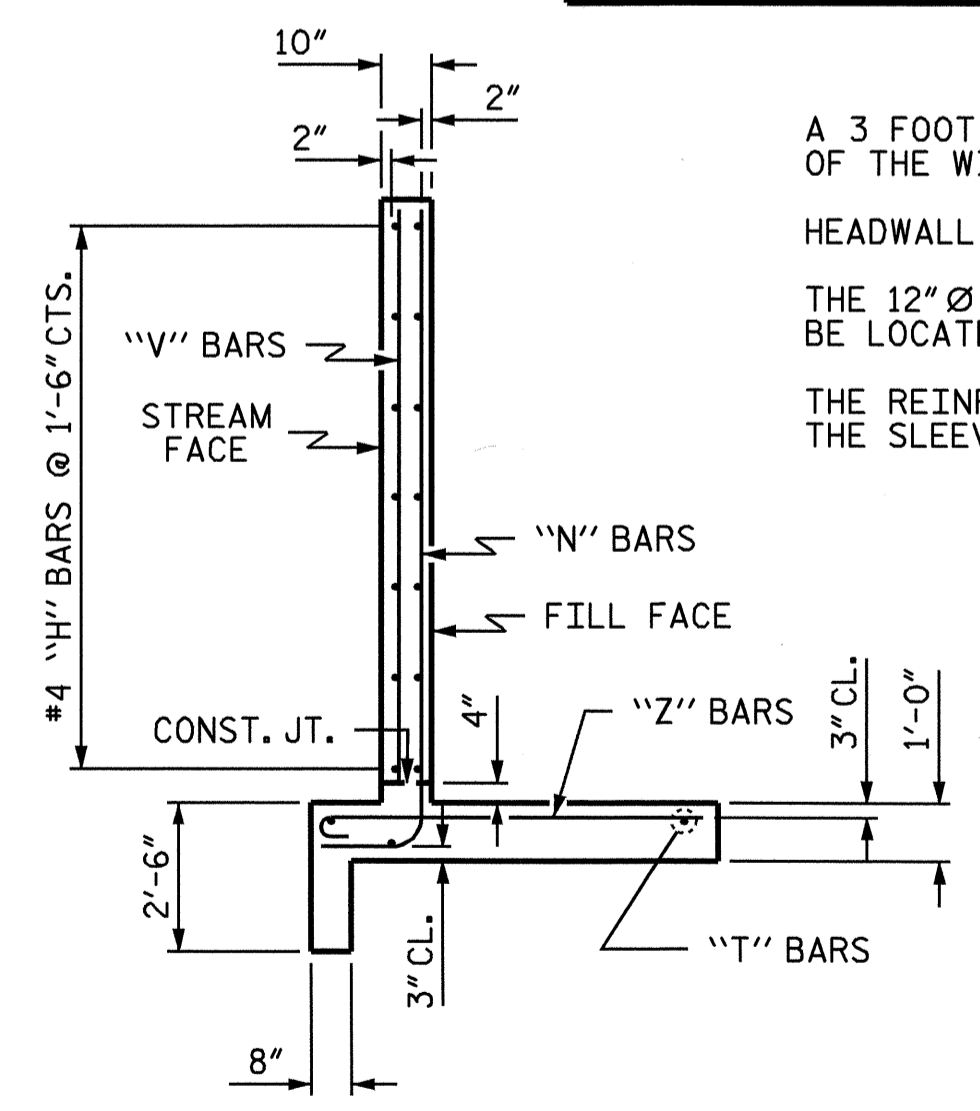
PLAN W1



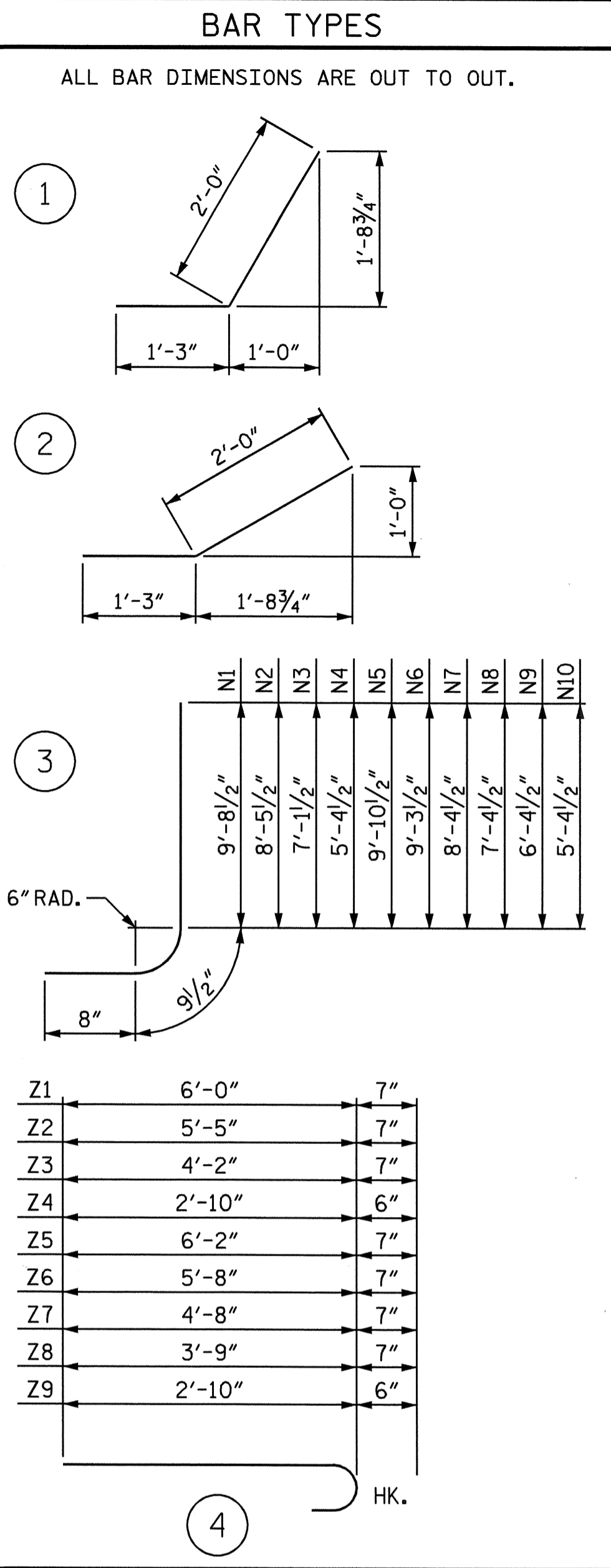
ELEVATION W2



ELEVATION W1



TYPICAL WING SECTION



Z1	6'-0"	7"
Z2	5'-5"	7"
Z3	4'-2"	7"
Z4	2'-10"	6"
Z5	6'-2"	7"
Z6	5'-8"	7"
Z7	4'-8"	7"
Z8	3'-9"	7"
Z9	2'-10"	6"

BILL OF MATERIAL					
BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
H1	8	#4	STR	9'-4"	50
H2	2	#4	STR	6'-3"	8
H3	2	#4	STR	2'-10"	4
H4	14	#4	1	3'-3"	30
H5	2	#4	STR	10'-2"	14
H6	16	#4	STR	17'-10"	191
H7	4	#4	STR	12'-4"	33
H8	4	#4	STR	6'-3"	17
H9	28	#4	2	3'-3"	61
H10	4	#4	STR	18'-5"	49
N1	2	#6	3	11'-2"	34
N2	3	#6	3	9'-11"	45
N3	3	#5	3	8'-7"	27
N4	4	#4	3	6'-10"	18
N5	4	#6	3	11'-4"	68
N6	6	#6	3	10'-9"	97
N7	8	#6	3	9'-10"	118
N8	8	#5	3	8'-10"	74
N9	8	#4	3	7'-10"	42
N10	8	#4	3	6'-10"	37
S1	9	#6	STR	6'-0"	81
T1	3	#5	STR	11'-3"	35
T2	6	#5	STR	19'-9"	124
V1	2	#4	STR	9'-1"	12
V2	3	#4	STR	7'-10"	16
V3	3	#4	STR	6'-6"	13
V4	4	#4	STR	4'-10"	13
V5	4	#4	STR	9'-4"	25
V6	6	#4	STR	8'-9"	35
V7	8	#4	STR	7'-9"	41
V8	8	#4	STR	6'-9"	36
V9	8	#4	STR	5'-9"	31
V10	8	#4	STR	4'-9"	25
Z1	2	#5	4	6'-7"	14
Z2	2	#5	4	6'-0"	13
Z3	4	#5	4	4'-9"	20
Z4	4	#4	4	3'-4"	9
Z5	4	#5	4	6'-9"	28
Z6	6	#5	4	6'-3"	39
Z7	10	#5	4	5'-3"	55
Z8	10	#5	4	4'-4"	45
Z9	10	#4	4	3'-4"	22
REINFORCING STEEL					1749 LBS
FOR 3 WINGS					
CLASS A CONCRETE					
3 WINGS					24.9 CY
2 HEADWALLS					17.3 CY
2 END CURTAIN WALLS					4.0 CY
TOTAL					46.2 CY

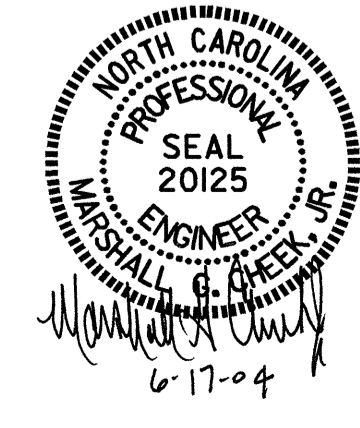
NOTES

- A 3 FOOT STRIP OF FILTER FABRIC SHALL BE ATTACHED TO THE FILL FACE OF THE WING COVERING THE ENTIRE LENGTH OF THE EXPANSION JOINT.
- HEADWALL REINFORCING INCLUDED WITH BARREL REINFORCING STEEL.
- THE 12" Ø STEEL PIPE SLEEVE LOCATED IN THE RIGHT SIDE WING W1 SHALL BE LOCATED BY THE ENGINEER.
- THE REINFORCING STEEL SHALL BE FIELD BENT AS NECESSARY TO CLEAR THE SLEEVE.

PROJECT NO. B-3475  
 HENDERSON COUNTY  
 STATION: 14+82.00-L-

SHEET 7 OF 8

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
**STANDARD WINGS FOR CONCRETE BOX CULVERT**  
 SLOPE = 2:1  
 65° SKEW



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

ASSEMBLED BY : L.L. MURPHY DATE : 11-03  
 CHECKED BY : V.X. NGUYEN DATE : 02-04  
 DRAWN BY : CCJ 12/99  
 CHECKED BY : RWW 03/00