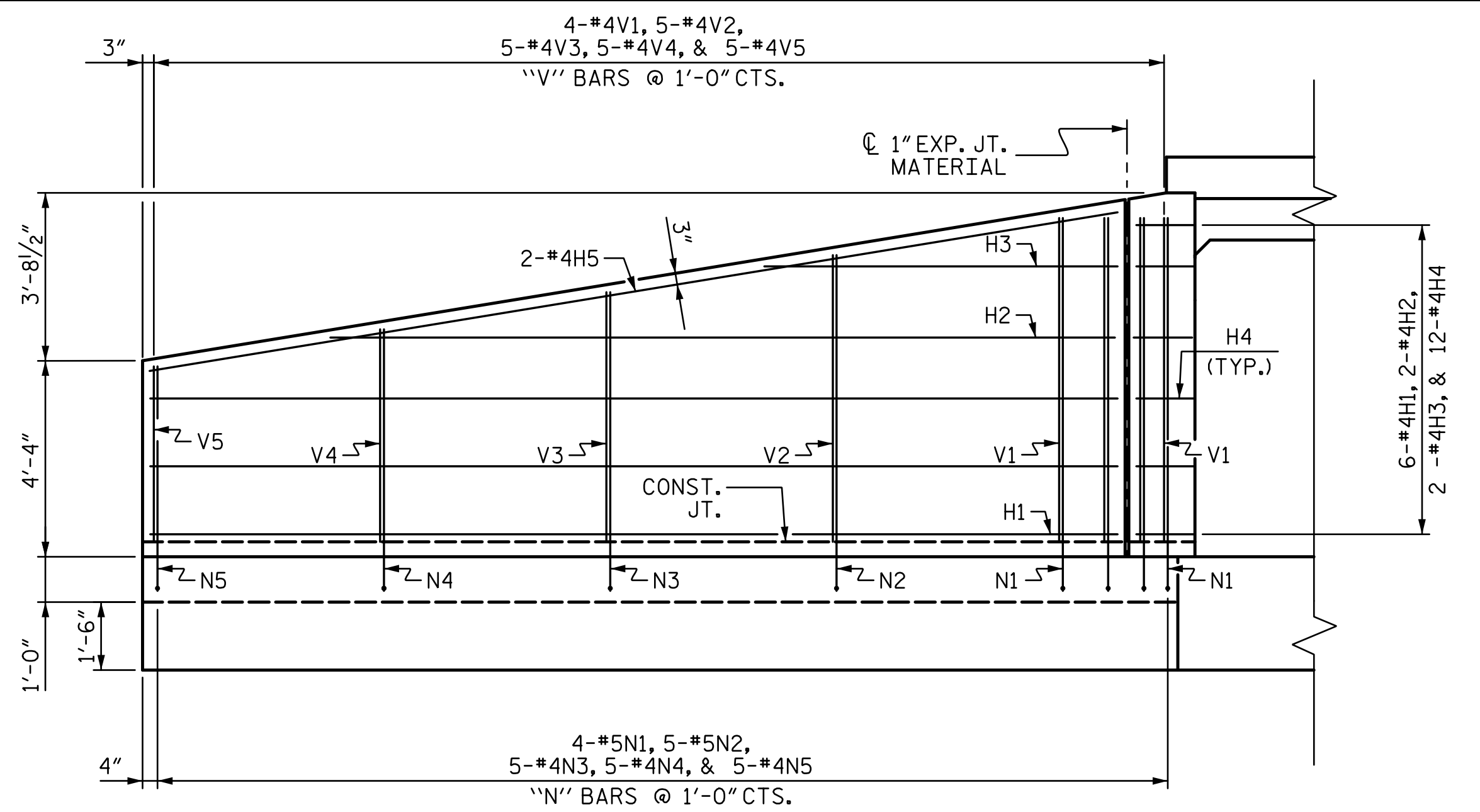
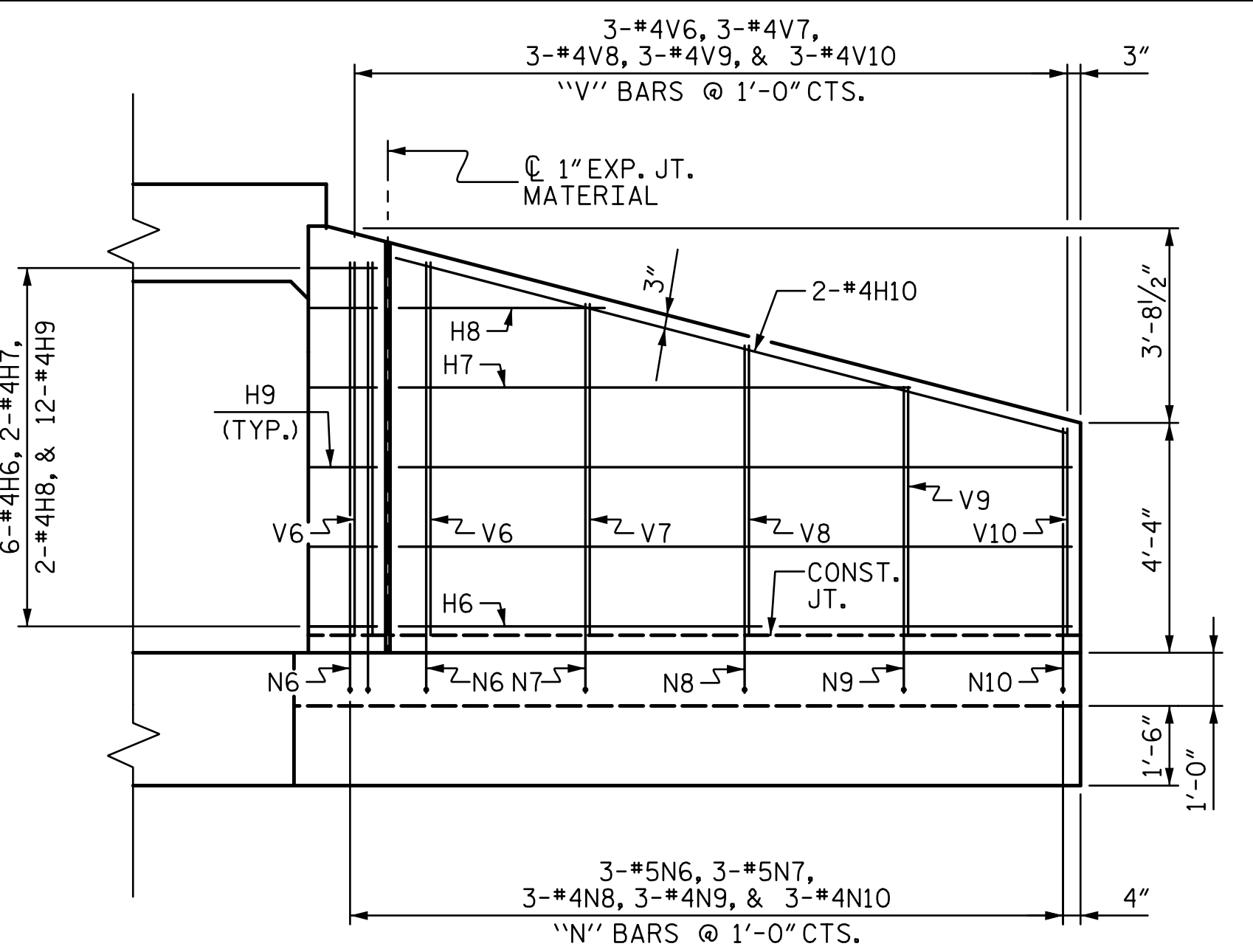


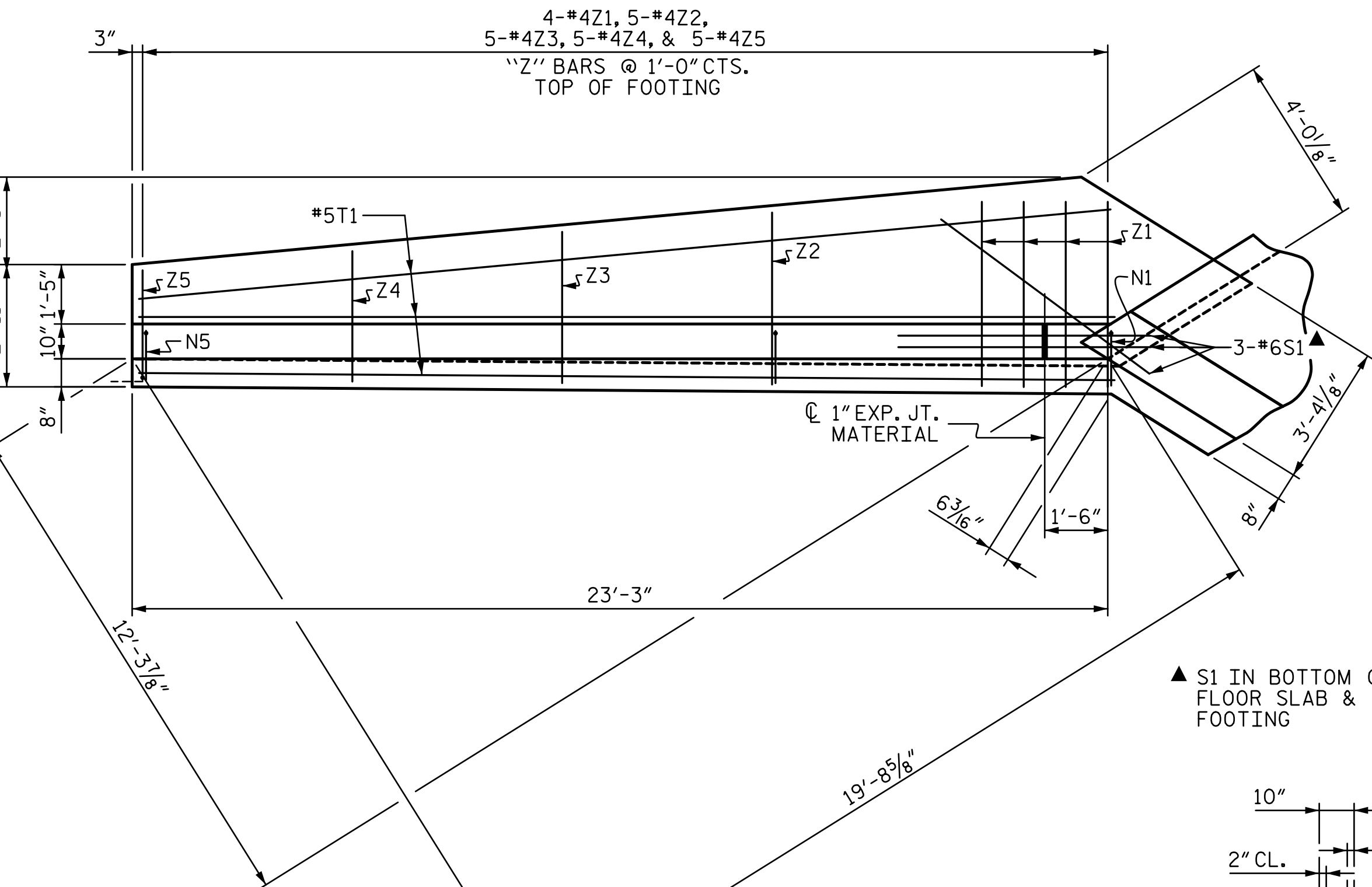
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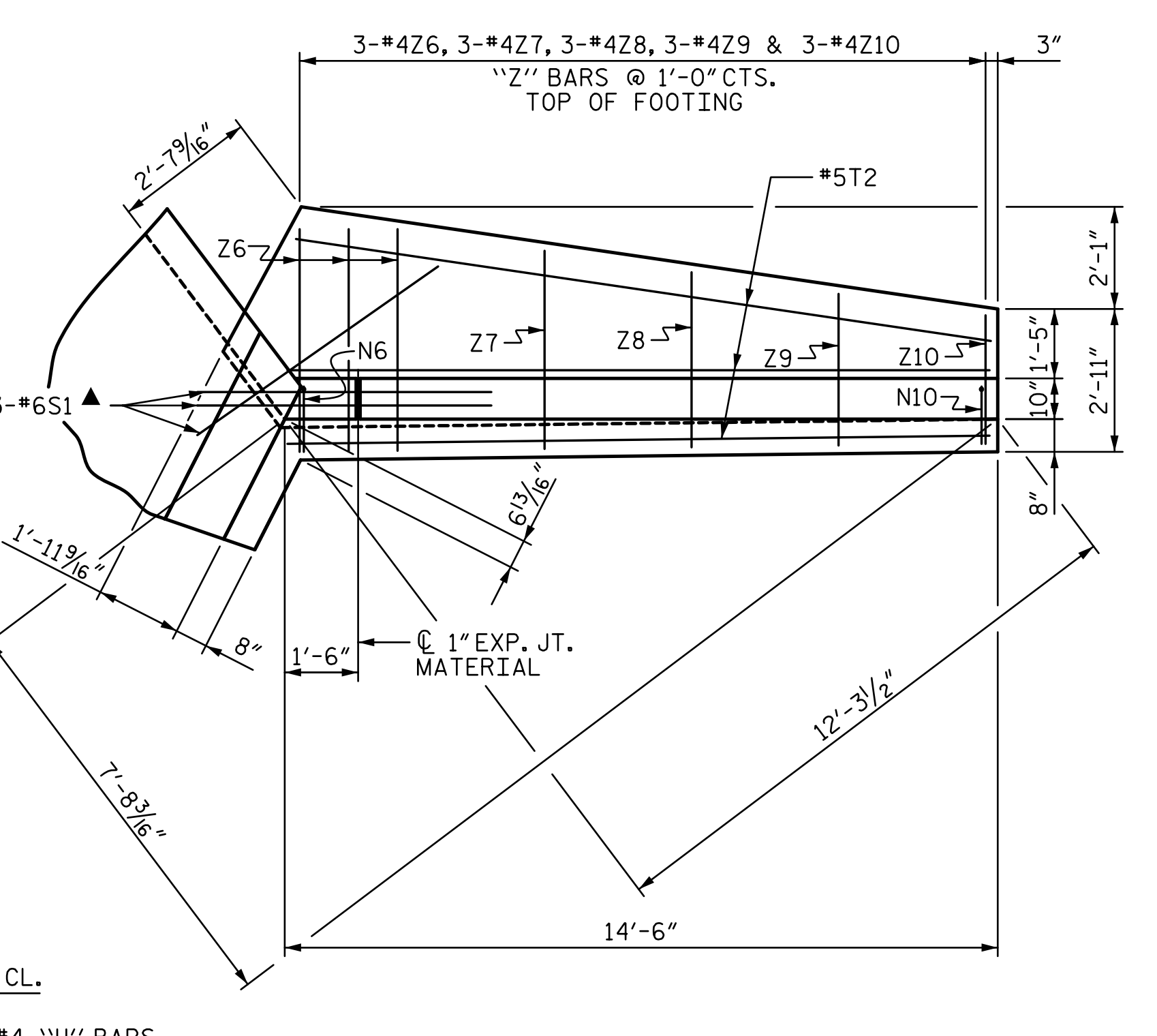
ELEVATION W1



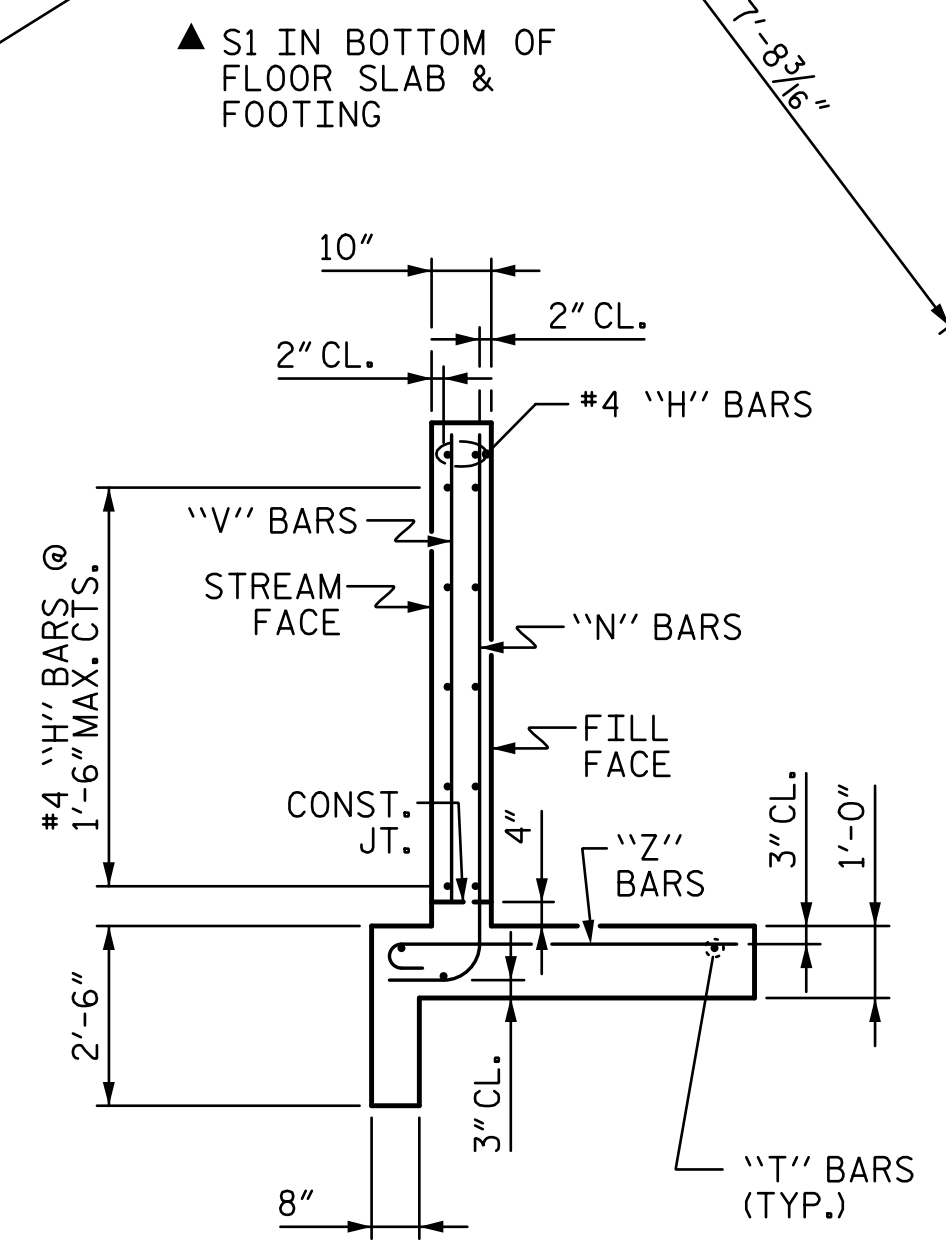
ELEVATION W2



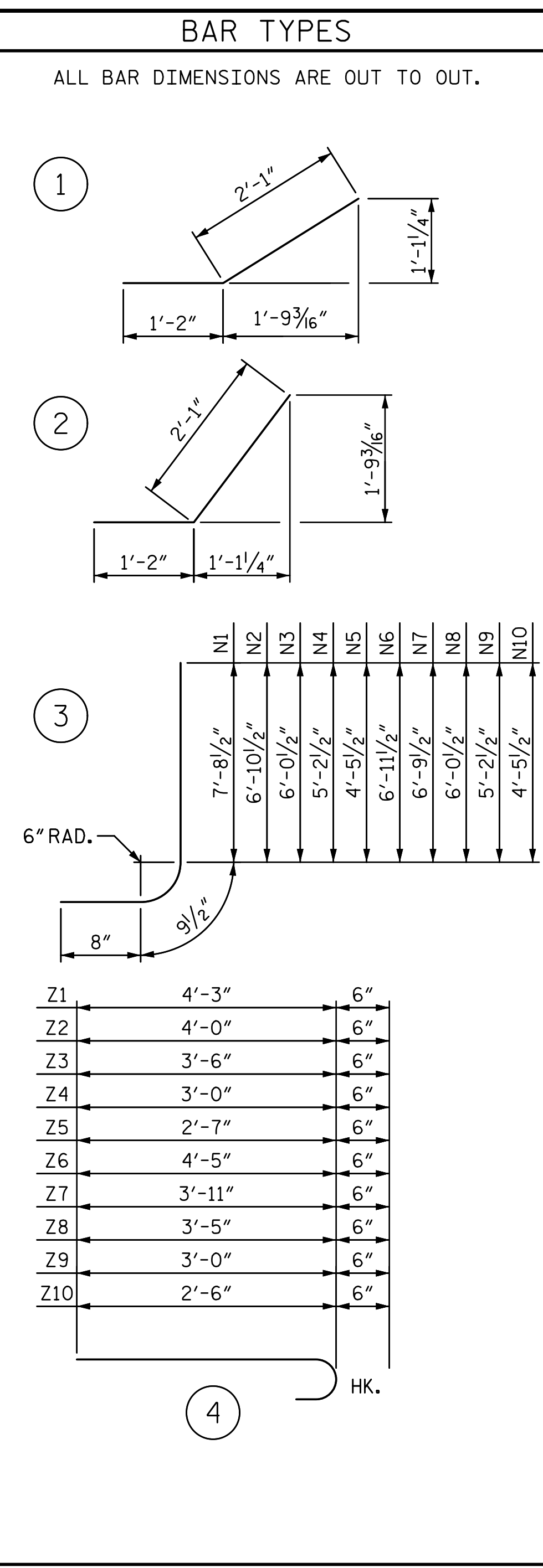
PLAN W1



PLAN W2



TYPICAL WING SECTION



BILL OF MATERIAL					
MARK	NO.	SIZE	TYPE	LENGTH	WEIGHT
H1	12	#4	STR	21'-4"	171
H2	4	#4	STR	15'-11"	43
H3	4	#4	STR	7'-3"	19
H4	24	#4	①	3'-3"	52
H5	4	#4	STR	21'-7"	58
H6	12	#4	STR	12'-7"	101
H7	4	#4	STR	9'-7"	26
H8	4	#4	STR	3'-10"	10
H9	24	#4	②	3'-3"	52
H10	4	#4	STR	13'-0"	35
N1	8	#5	③	9'-2"	76
N2	10	#5	③	8'-4"	87
N3	10	#4	③	7'-6"	50
N4	10	#4	③	6'-8"	45
N5	10	#4	③	5'-11"	40
N6	6	#5	③	8'-5"	53
N7	6	#5	③	8'-3"	52
N8	6	#4	③	7'-6"	30
N9	6	#4	③	6'-8"	27
N10	6	#4	③	5'-11"	24
S1	12	#6	STR	6'-0"	108
T1	6	#4	STR	23'-3"	93
T2	6	#4	STR	14'-3"	57
V1	8	#4	STR	7'-1"	38
V2	10	#4	STR	6'-4"	42
V3	10	#4	STR	5'-6"	37
V4	10	#4	STR	4'-8"	31
V5	10	#4	STR	3'-10"	26
V6	6	#4	STR	7'-0"	28
V7	6	#4	STR	6'-2"	25
V8	6	#4	STR	5'-5"	22
V9	6	#4	STR	4'-8"	19
V10	6	#4	STR	3'-10"	15
Z1	8	#4	④	4'-9"	25
Z2	10	#4	④	4'-6"	30
Z3	10	#4	④	4'-0"	27
Z4	10	#4	④	3'-6"	23
Z5	10	#4	④	3'-1"	21
Z6	6	#4	④	4'-11"	20
Z7	6	#4	④	4'-5"	18
Z8	6	#4	④	3'-11"	16
Z9	6	#4	④	3'-6"	14
Z10	6	#4	④	3'-0"	12
REINFORCING STEEL FOR 4 WINGS					1,798 LBS
CLASS A CONCRETE					
4 WINGS					13.5 CY
2 HEADWALLS					2.1 CY
2 END CURTAIN WALLS					18.1 CY
TOTAL					33.7 CY

INCLUDES WING FOOTINGS

PROJECT NO. U-4751  
 NEW HANOVER COUNTY  
 STATION: 117+49.00 -L-  
 SHEET 6 OF 6

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

WINGS FOR CONCRETE BOX CULVERT  
 H = 7'-0" SLOPE = 3:1  
 116°-00'-00" SKEW

STV ENGINEERS, INC.  
 900 West Trade St., Suite 715  
 Charlotte, NC 28202  
 NC License Number F-5991

7/12/2017

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

TOTAL SHEETS: 6

DRAWN BY: BMC DATE: 4-17  
 CHECKED BY: MLO DATE: 4-17  
 DESIGN ENGINEER OF RECORD: B. CURRY DATE: 4-17