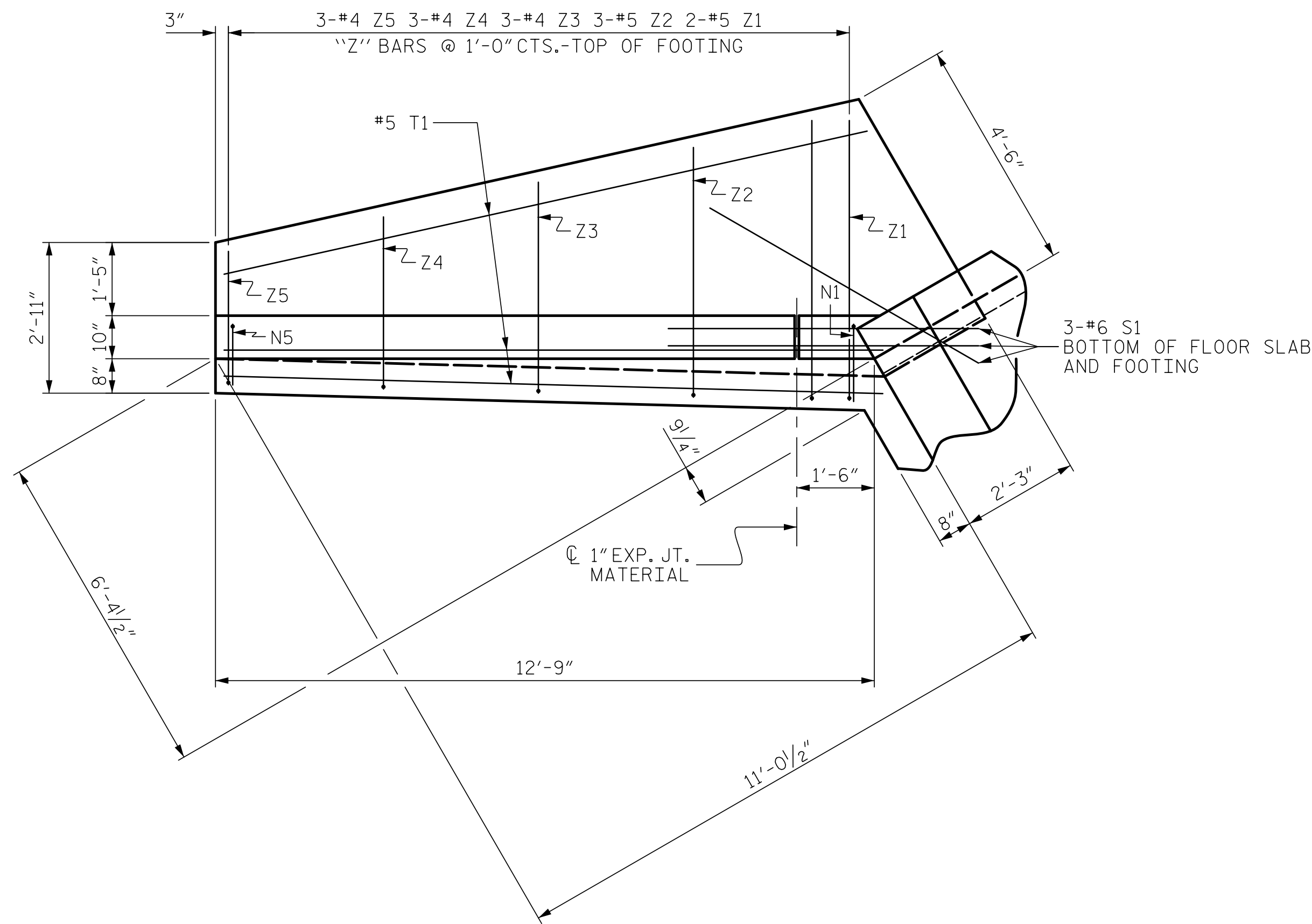
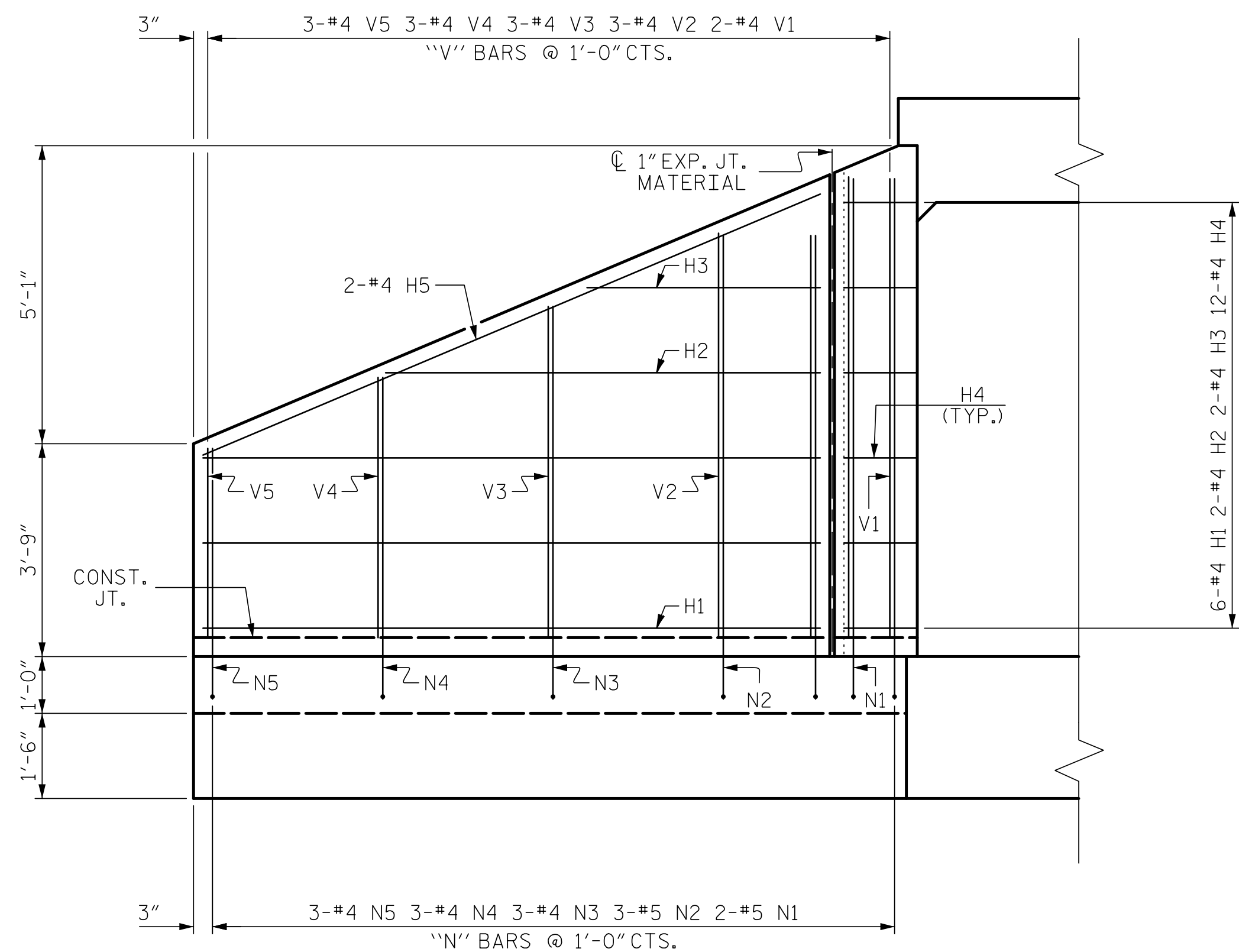
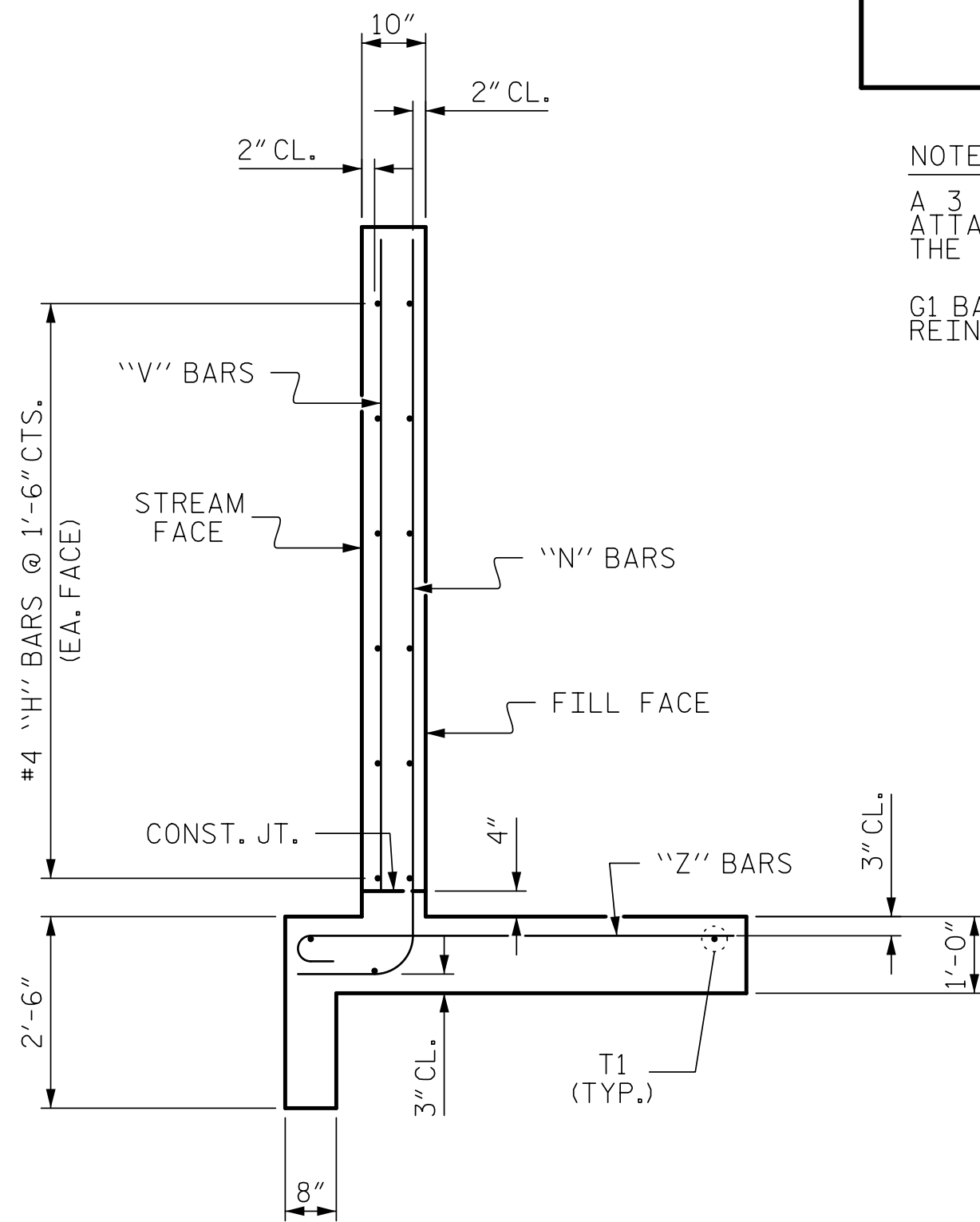




W1 PLAN

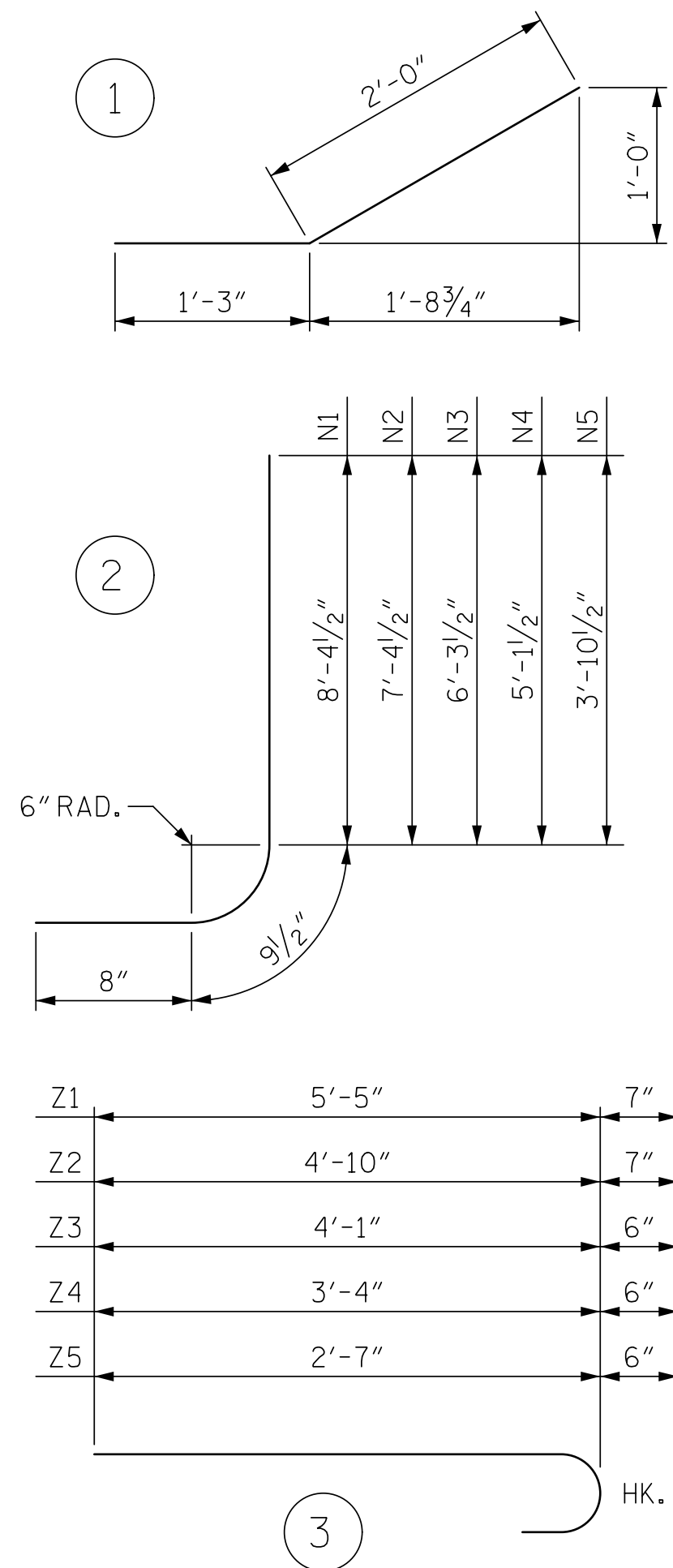


W1 ELEVATION



TYPICAL WING SECTION

BAR TYPES



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.
G1 BARS IN HEADWALL ARE INCLUDED WITH THE BARREL REINFORCING STEEL.

WING W1
BILL OF MATERIAL

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
H1	6	#4	STR	10'-10"	43
H2	2	#4	STR	7'-8"	10
H3	2	#4	STR	4'-1"	5
H4	12	#4	1	3'-3"	26
H5	2	#4	STR	11'-9"	16
N1	2	#5	2	9'-10"	21
N2	3	#5	2	8'-10"	28
N3	3	#4	2	7'-9"	16
N4	3	#4	2	6'-7"	13
N5	3	#4	2	5'-4"	11
S1	3	#6	STR	6'-0"	27
T1	3	#5	STR	12'-9"	40
V1	2	#4	STR	7'-8"	10
V2	3	#4	STR	6'-9"	14
V3	3	#4	STR	5'-6"	11
V4	3	#4	STR	4'-4"	9
V5	3	#4	STR	3'-4"	7
Z1	2	#5	3	6'-0"	13
Z2	3	#5	3	5'-5"	17
Z3	3	#4	3	4'-7"	9
Z4	3	#4	3	3'-10"	8
Z5	3	#4	3	3'-1"	6

REINFORCING STEEL FOR WING W1	360	LBS
CLASS A CONCRETE WING W1	5.4	CY
1 HEADWALL	0.3	CY
1 END CURTAIN WALL	0.3	CY
TOTAL	6.0	CY

PROJECT NO. R-5739
NORTHAMPTON COUNTY
STATION: 529+01.60 -L-

SHEET 10 OF 12



7/23/2025

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED
TGS ENGINEERS
706 HILLSBOROUGH STREET
SUITE 200
RALEIGH, NC 27603
PH (919) 773-8887
CORP. LICENSE NO.: C-0275

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

INLET WING W1
FOR
CONCRETE BOX CULVERT

REVISIONS						SHEET NO. C7-10
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS 12
2			4			

STR. #7 STD. NO. CW9008

ASSEMBLED BY :	ZCS	DATE :	12/22
CHECKED BY :	MGC	DATE :	1/23
DRAWN BY :	CCJ	10/99	REV. 6/19
CHECKED BY :	RWW	03/00	MAA/THC

11/27/2023
X:\NCDOT\NR-5739\Structures\Str. #7 (529 + 01.60 -L)\Final Plans\DGNS\NR-5739.SMU. CU.650000.dgn
User:ZSmith