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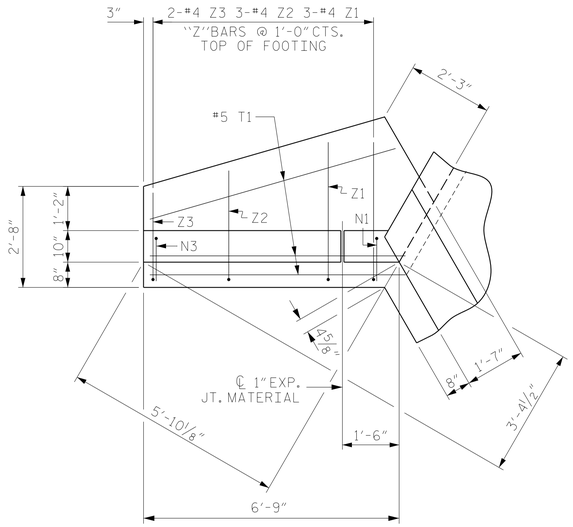
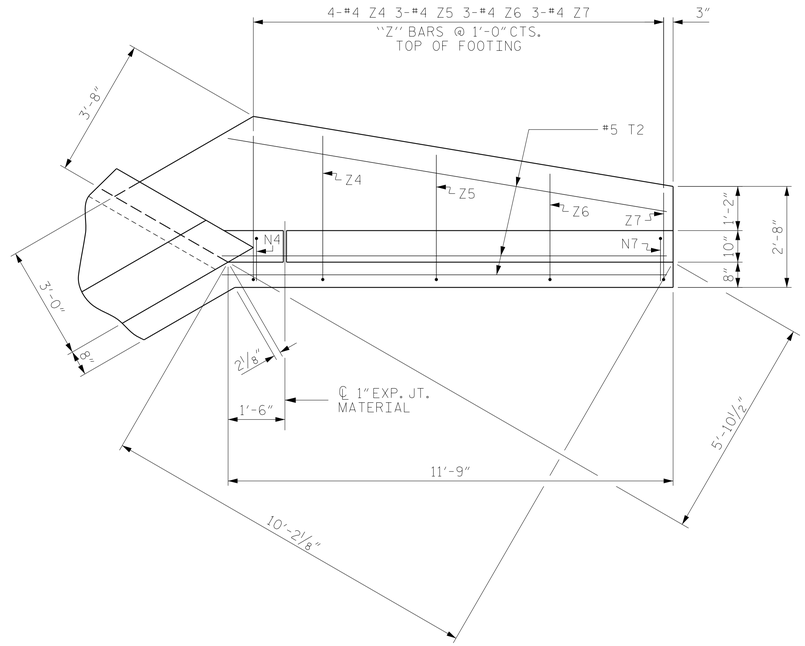


PLAN W2



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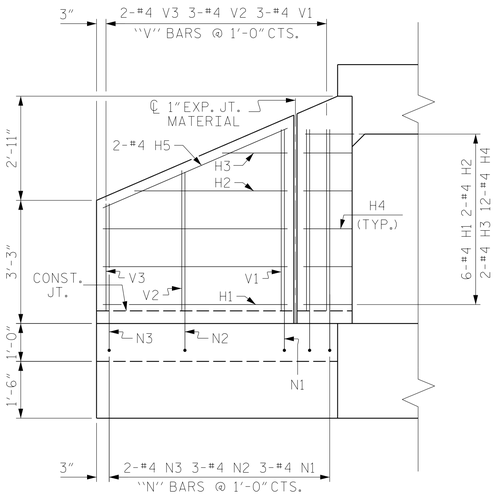

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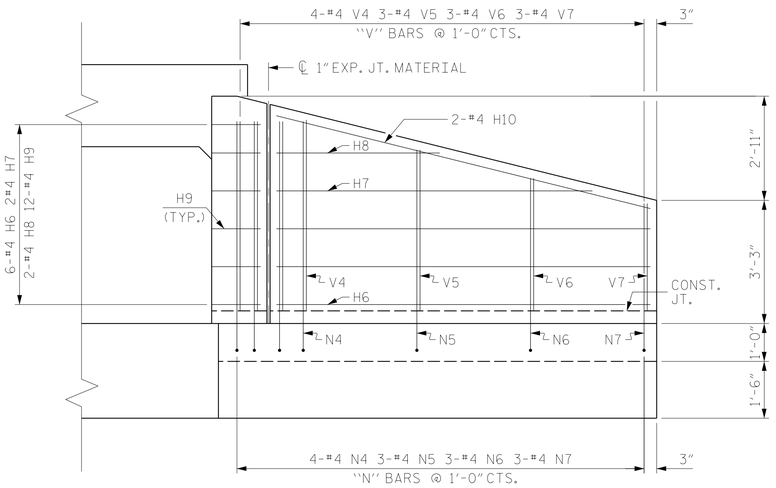
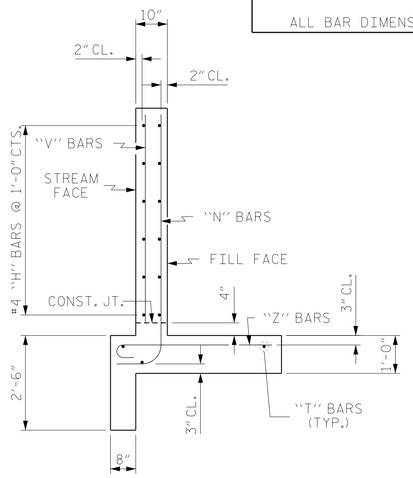
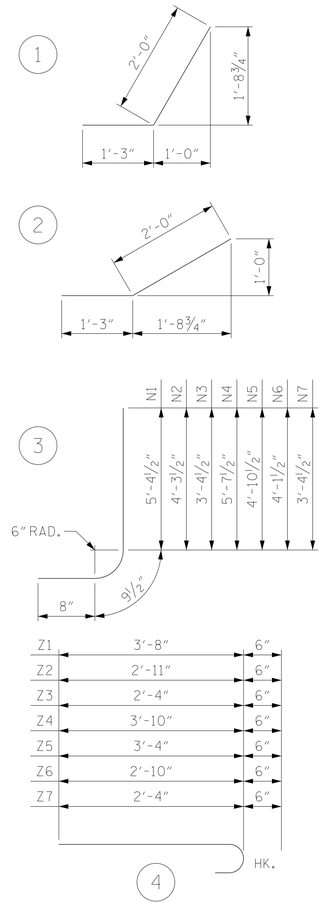


ELEVATION W1



TYPICAL WING SECTION

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL

EACH STAGE

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
H1	6	#4	STR	4'-10"	19
H2	2	#4	STR	4'-0"	5
H3	2	#4	STR	1'-9"	2
H4	12	#4	1	3'-3"	26
H5	2	#4	STR	5'-3"	7
H6	6	#4	STR	9'-10"	39
H7	2	#4	STR	8'-4"	11
H8	2	#4	STR	4'-3"	6
H9	12	#4	2	3'-3"	26
H10	2	#4	STR	10'-2"	14
N1	3	#4	3	6'-10"	14
N2	3	#4	3	5'-9"	12
N3	2	#4	3	4'-10"	6
N4	4	#4	3	7'-1"	19
N5	3	#4	3	6'-4"	13
N6	3	#4	3	5'-7"	11
N7	3	#4	3	4'-10"	10
T1	3	#5	STR	6'-9"	21
T2	3	#5	STR	11'-9"	37
V1	3	#4	STR	4'-9"	10
V2	3	#4	STR	3'-8"	7
V3	2	#4	STR	2'-10"	4
V4	4	#4	STR	5'-0"	13
V5	3	#4	STR	4'-3"	9
V6	3	#4	STR	3'-6"	7
V7	3	#4	STR	2'-10"	6
Z1	3	#4	4	4'-2"	8
Z2	3	#4	4	3'-5"	7
Z3	2	#4	4	2'-10"	4
Z4	4	#4	4	4'-4"	12
Z5	3	#4	4	3'-10"	8
Z6	3	#4	4	3'-4"	7
Z7	3	#4	4	2'-10"	6

REINFORCING STEEL FOR 2 WINGS 406 LBS

CLASS A CONCRETE

2 WINGS	6.1 CY
1 HEADWALL	1.0 CY
1 END CURTAIN WALL	1.4 CY
TOTAL	8.5 CY

PROJECT NO. BP14.R002

HAYWOOD COUNTY

STATION: 11+46.15 -L189-

SHEET 7 OF 7

DRAWN BY : N. CUANY DATE : 02/2024

CHECKED BY : M. ACOSTA DATE : 02/2024

DESIGN ENGINEER OF RECORD: M. ACOSTA DATE : 08/2025

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 032672 MATTHEW R. ACOSTA

11/24/2025

RS&H

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North Carolina License Nos. 50073 * F-0493 * C-28

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

WINGS FOR CONCRETE BOX CULVERT

H = 5'-0" SLOPE = 2:1
60° SKEW

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	C3-7
1			3			TOTAL SHEETS
2			4			7

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

8/8/2025
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