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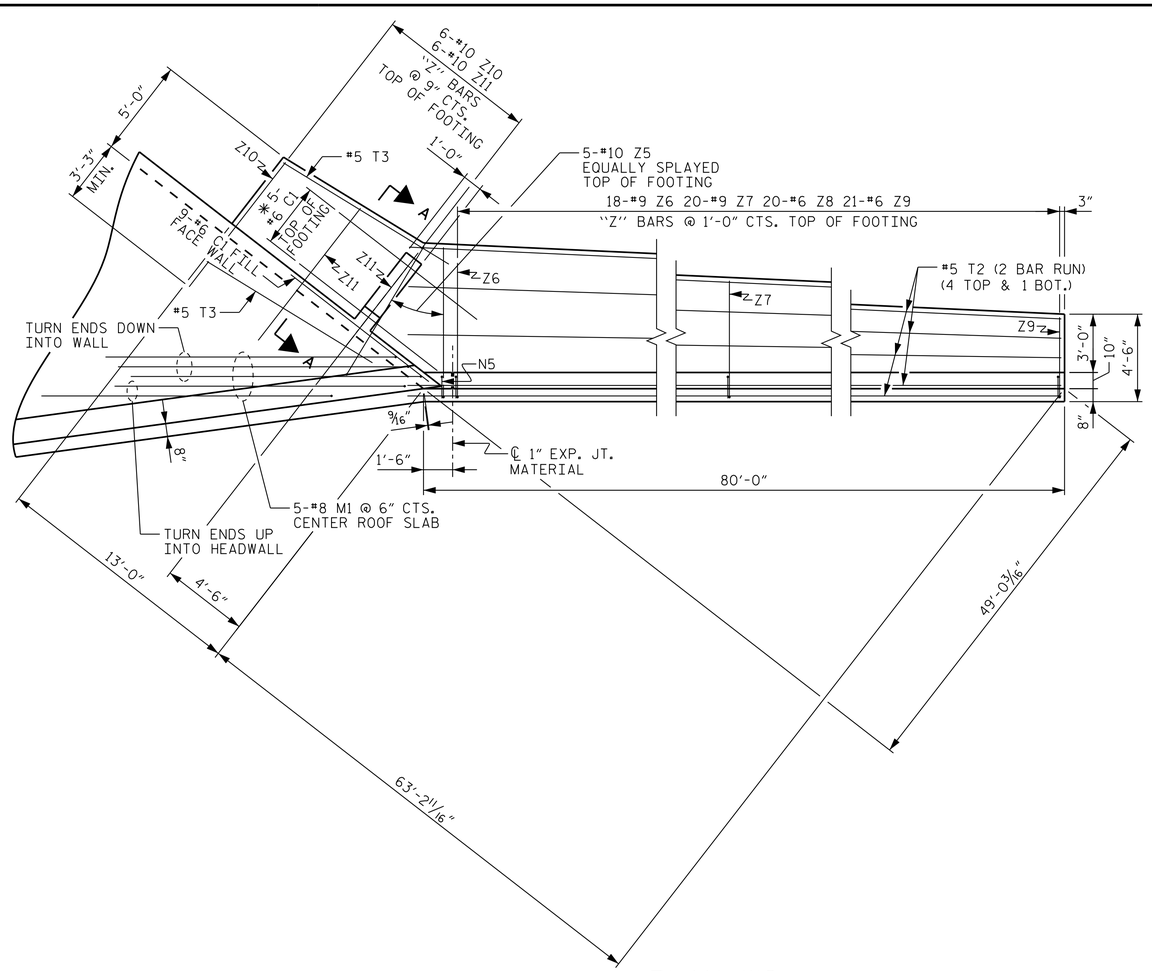
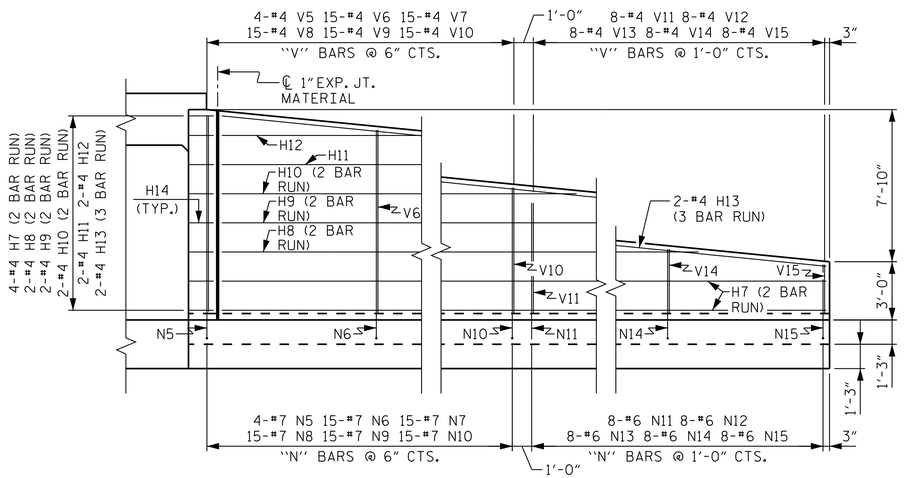


PLAN W2

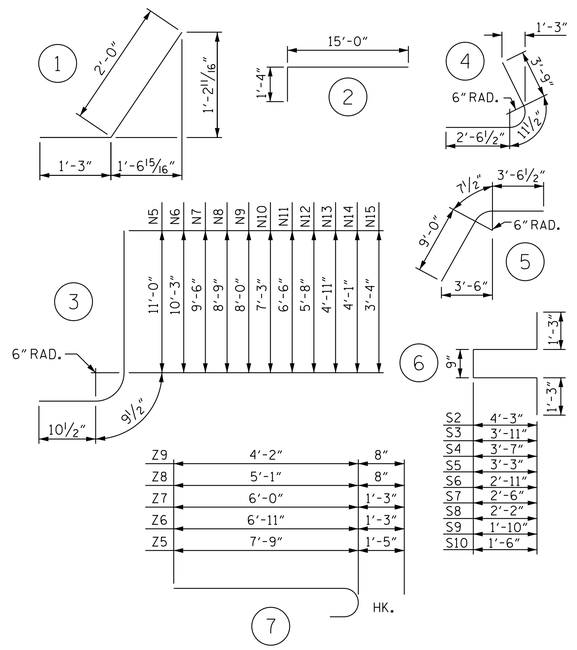
*CENTER ALL #6 C1 BARS ON ℄ COUNTERFORT



ELEVATION W2

BAR TYPES

ALL BAR DIMENSIONS ARE OUT TO OUT.



WING 2 BILL OF MATERIAL

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	2	4	STR	10'-0"	13	T2	10	5	STR	41'-6"	433
						T3	2	5	STR	10'-0"	21
C1	14	6	STR	9'-0"	189						
						V5	4	4	STR	10'-2"	27
H7	8	4	STR	40'-0"	214	V6	15	4	STR	9'-5"	94
H8	4	4	STR	36'-9"	98	V7	15	4	STR	8'-8"	87
H9	4	4	STR	29'-2"	78	V8	15	4	STR	7'-11"	79
H10	4	4	STR	21'-7"	58	V9	15	4	STR	7'-2"	72
H11	2	4	STR	26'-1"	35	V10	15	4	STR	6'-5"	64
H12	2	4	STR	10'-11"	15	V11	8	4	STR	5'-8"	30
H13	6	4	STR	27'-5"	110	V12	8	4	STR	4'-10"	26
H14	16	4	1	3'-3"	35	V13	8	4	STR	4'-1"	22
						V14	8	4	STR	3'-3"	17
M1	5	8	2	16'-4"	218	V15	8	4	STR	2'-6"	13
						V16	2	4	STR	4'-6"	6
N5	4	7	3	12'-8"	104	V17	2	4	STR	8'-9"	12
N6	15	7	3	11'-11"	365						
N7	15	7	3	11'-2"	342	Z5	5	10	7	9'-2"	197
N8	15	7	3	10'-5"	319	Z6	18	9	7	8'-2"	500
N9	15	7	3	9'-8"	296	Z7	20	9	7	7'-3"	493
N10	15	7	3	8'-11"	273	Z8	20	6	7	5'-9"	173
N11	8	6	3	8'-2"	98	Z9	21	6	7	4'-10"	152
N12	8	6	3	7'-4"	88	Z10	6	10	STR	8'-7"	222
N13	8	6	3	6'-7"	79	Z11	6	10	STR	9'-1"	235
N14	8	6	3	5'-9"	69						
N15	8	6	3	5'-0"	60						
P1	2	9	4	7'-3"	49						
P2	2	9	5	13'-2"	90						
S2	1	4	6	11'-9"	8						
S3	1	4	6	11'-1"	7						
S4	1	4	6	10'-5"	7						
S5	1	4	6	9'-9"	7						
S6	1	4	6	9'-1"	6						
S7	1	4	6	8'-5"	6						
S8	1	4	6	7'-7"	5						
S9	1	4	6	6'-11"	5						
S10	1	4	6	6'-3"	4						

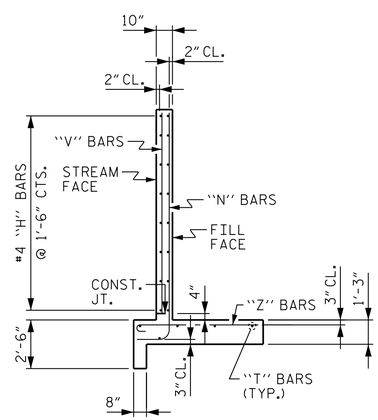
REINFORCING STEEL FOR 1 WING 6,325 LBS

CLASS A CONCRETE 1 WING 46.3 CY

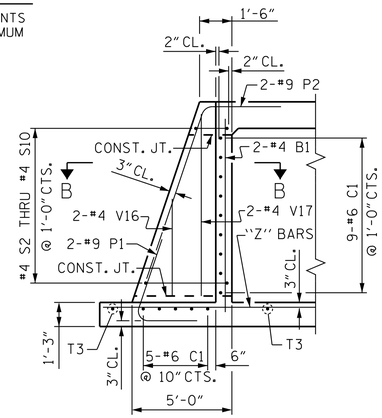
*FOR HEADWALL AND END CURTAIN WALL, SHEET 6 OF 8.

NOTES

PROVIDE VERTICAL CONTRACTION JOINTS IN THE WING WALL STEM AT A MAXIMUM SPACING OF 30'-0".

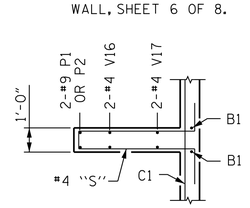


TYPICAL WING SECTION



SECTION A-A

STANDARD REINFORCING STEEL IN BARREL NOT SHOWN



SECTION B-B

PROJECT NO. U-2579BA

FORSYTH COUNTY

STATION: 45+66.21 -Y4-

SHEET 7 OF 8

NORTH CAROLINA PROFESSIONAL SEAL 040384 ENGINEER JEFFREY C. WILSON

DocuSigned by: Jeffrey C. Wilson CDA045FAFCC9416...

1/13/2020

Kimley»Horn
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STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

OUTLET WING DETAILS FOR CONCRETE BOX CULVERT

H = 9'-0" SLOPE = 2:1
45° OR 135° SKEW

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

DRAWN BY: J.I.KIMBLE DATE: 1/20
CHECKED BY: C.T.POOLE DATE: 1/20
DESIGN ENGINEER OF RECORD: J.C.WILSON DATE: 1/20

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

1/3/2020 K:\RDT_Structures_Culvert\NC\011036480 U-2579BA\Cad\Dgn\U2579B_SMU_CU07_330367.dgn