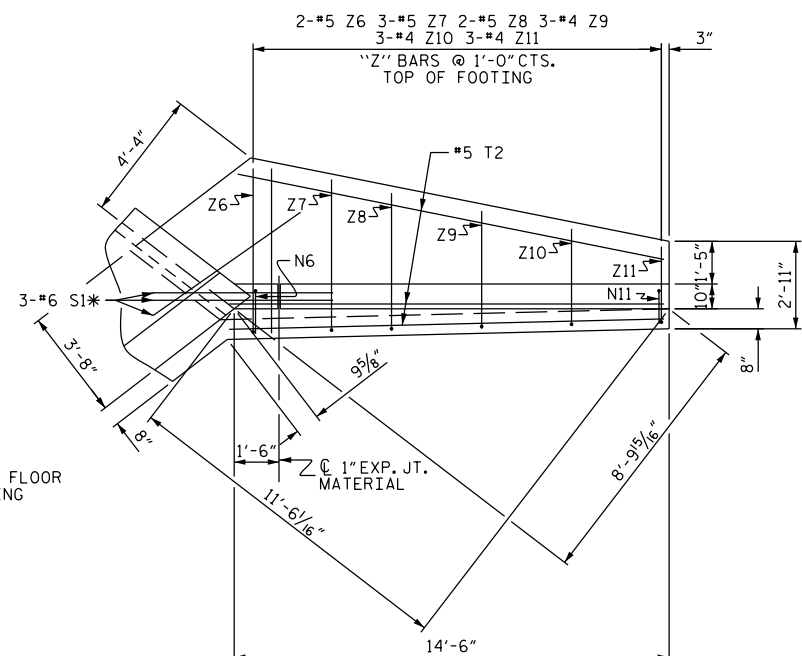
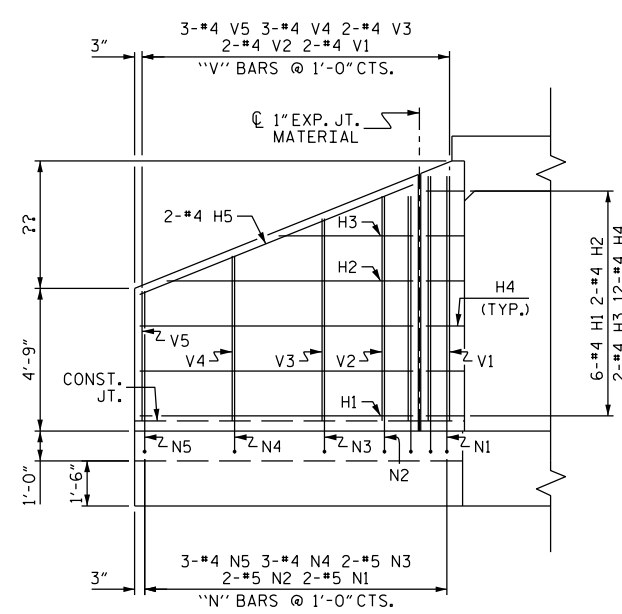


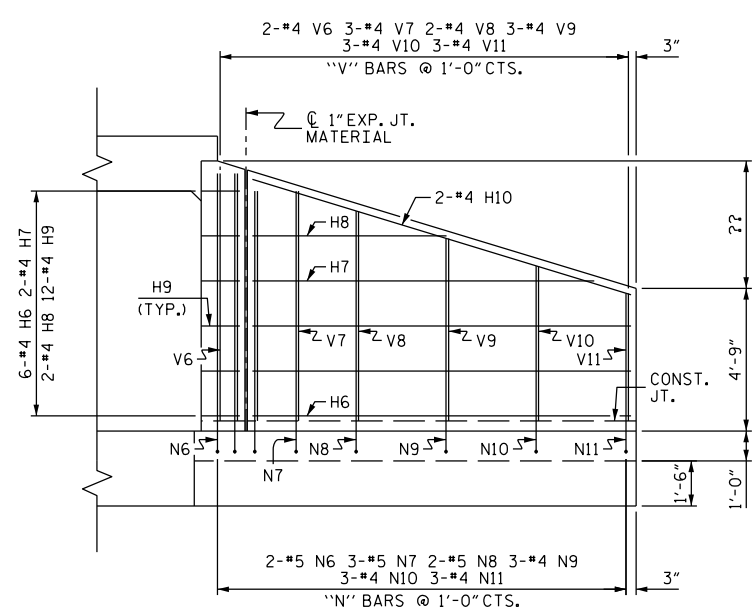
PLAN W2



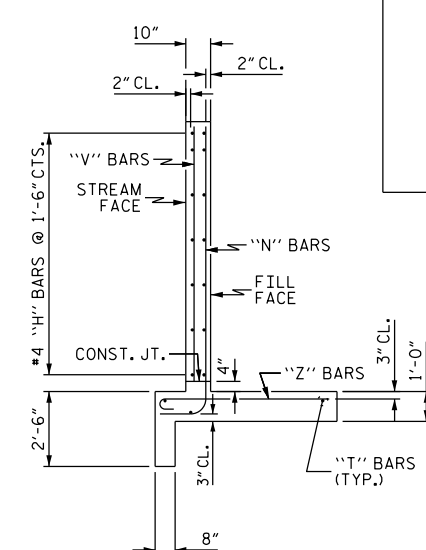
PLAN W1



ELEVATION W2

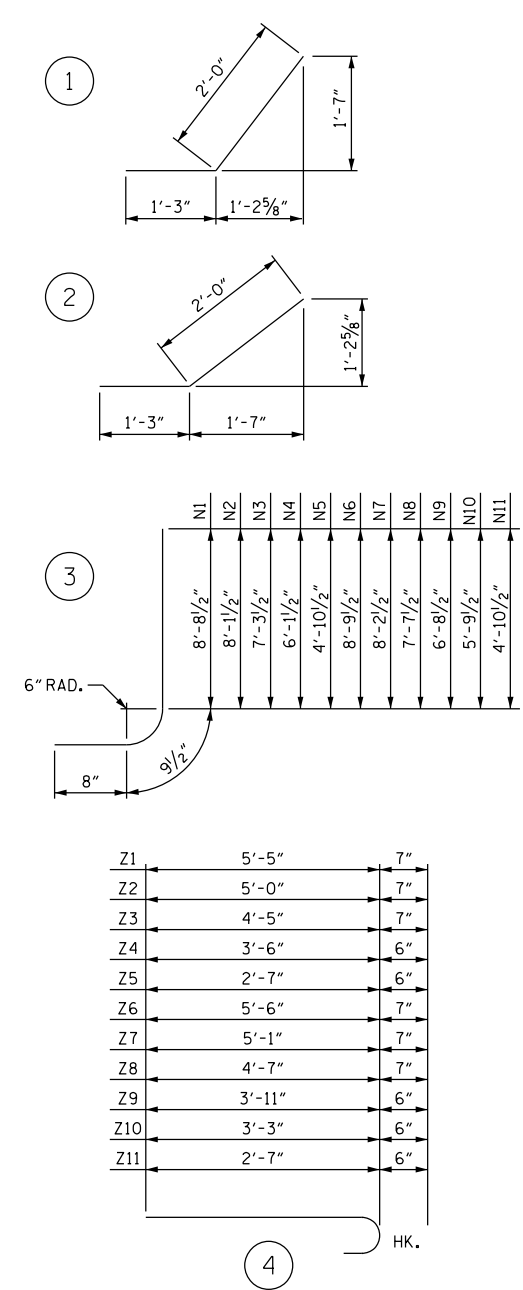


ELEVATION W1



TYPICAL WING SECTION

BAR TYPES



Z1	5'-5"	7"
Z2	5'-0"	7"
Z3	4'-5"	7"
Z4	3'-6"	6"
Z5	2'-7"	6"
Z6	5'-6"	7"
Z7	5'-1"	7"
Z8	4'-7"	7"
Z9	3'-11"	6"
Z10	3'-3"	6"
Z11	2'-7"	6"

BILL OF MATERIAL

BAR NO.	SIZE	TYPE	LENGTH	WEIGHT
H1	12	#4	STR 9'-1"	73
H2	4	#4	STR 8'-2"	22
H3	4	#4	STR 4'-5"	12
H4	24	#4	1 3'-3"	52
H5	4	#4	STR 9'-10"	26
H6	12	#4	STR 12'-7"	101
H7	4	#4	STR 11'-4"	30
H8	4	#4	STR 6'-5"	17
H9	24	#4	2 3'-3"	52
H10	4	#4	STR 13'-2"	35
N1	4	#5	3 10'-2"	42
N2	4	#5	3 9'-7"	40
N3	4	#5	3 8'-9"	37
N4	6	#4	3 7'-7"	30
N5	6	#4	3 6'-4"	25
N6	4	#5	3 10'-3"	43
N7	6	#5	3 9'-8"	60
N8	4	#5	3 9'-1"	38
N9	6	#4	3 8'-2"	33
N10	6	#4	3 7'-3"	29
N11	6	#4	3 6'-4"	25
S1	12	#6	STR 6'-0"	108
T1	6	#5	STR 11'-0"	69
T2	6	#5	STR 14'-6"	91
V1	4	#4	STR 8'-2"	22
V2	4	#4	STR 7'-6"	20
V3	4	#4	STR 6'-9"	18
V4	6	#4	STR 5'-6"	22
V5	6	#4	STR 4'-4"	17
V6	4	#4	STR 8'-3"	22
V7	6	#4	STR 7'-8"	31
V8	4	#4	STR 7'-0"	19
V9	6	#4	STR 6'-1"	24
V10	6	#4	STR 5'-2"	21
V11	6	#4	STR 4'-3"	17
Z1	4	#5	4 6'-0"	25
Z2	4	#5	4 5'-7"	23
Z3	4	#5	4 5'-0"	21
Z4	6	#4	4 4'-0"	16
Z5	6	#4	4 3'-1"	12
Z6	4	#5	4 6'-1"	25
Z7	6	#5	4 5'-8"	35
Z8	4	#5	4 5'-2"	22
Z9	6	#4	4 4'-5"	18
Z10	6	#4	4 3'-9"	15
Z11	6	#4	4 3'-1"	12
REINFORCING STEEL FOR 4 WINGS				1547 LBS
CLASS A CONCRETE 4 WINGS				22.6 CY
2 HEADWALLS				CY
2 END CURTAIN WALLS				CY
TOTAL				CY

ALL BAR DIMENSIONS ARE OUT TO OUT.

PROJECT NO. _____ COUNTY _____

STATION: _____

SHEET _____ OF _____

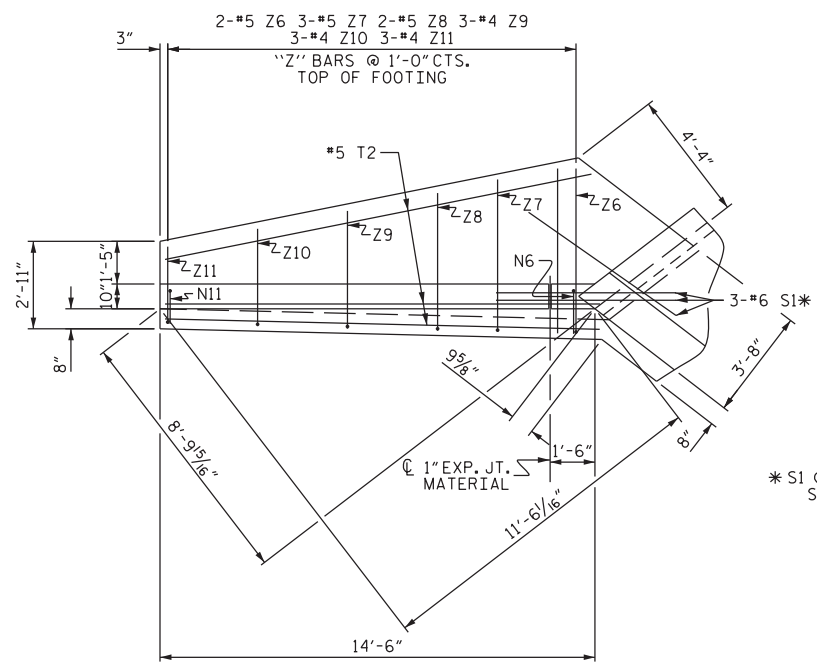
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD WINGS
FOR
CONCRETE BOX CULVERT
H = 8'-0" SLOPE = 2:1
75° SKEW

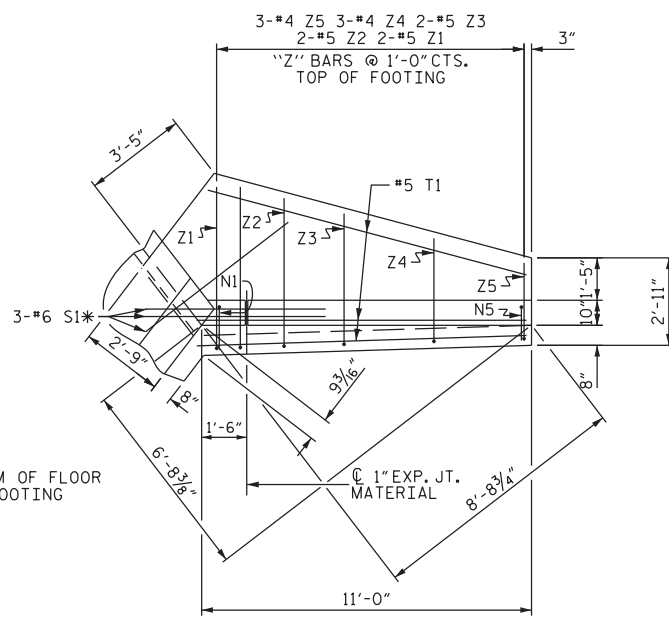
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CHECKED BY : -	DATE : -
DRAWN BY : CCJ 01/00	REV. 6/19 MAA/THC
CHECKED BY : RWW 03/00	

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

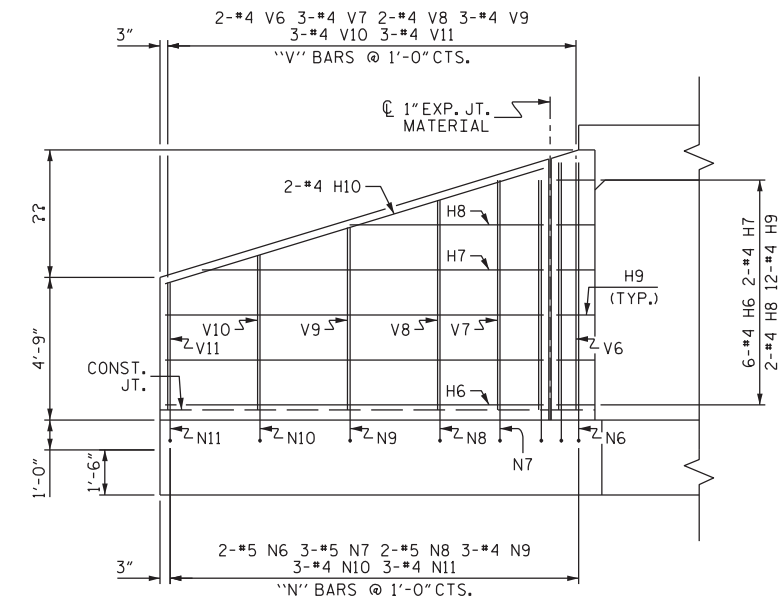
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NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			
2			4			



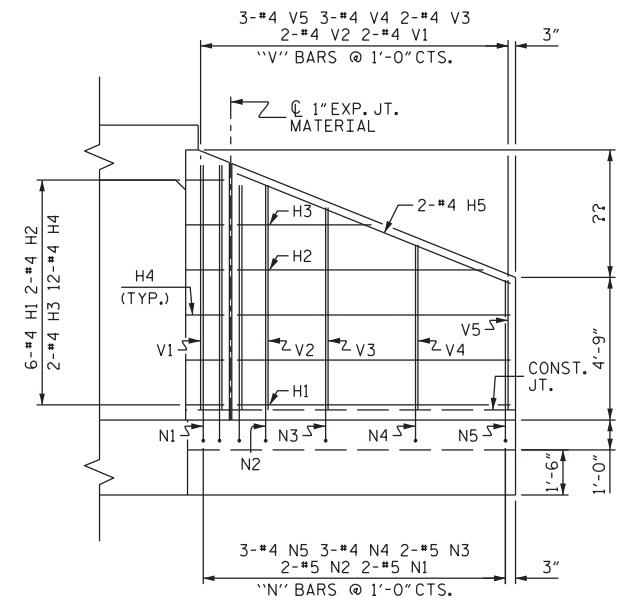
PLAN W1



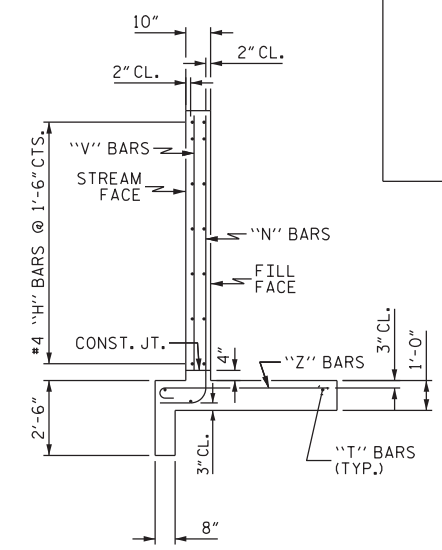
PLAN W2



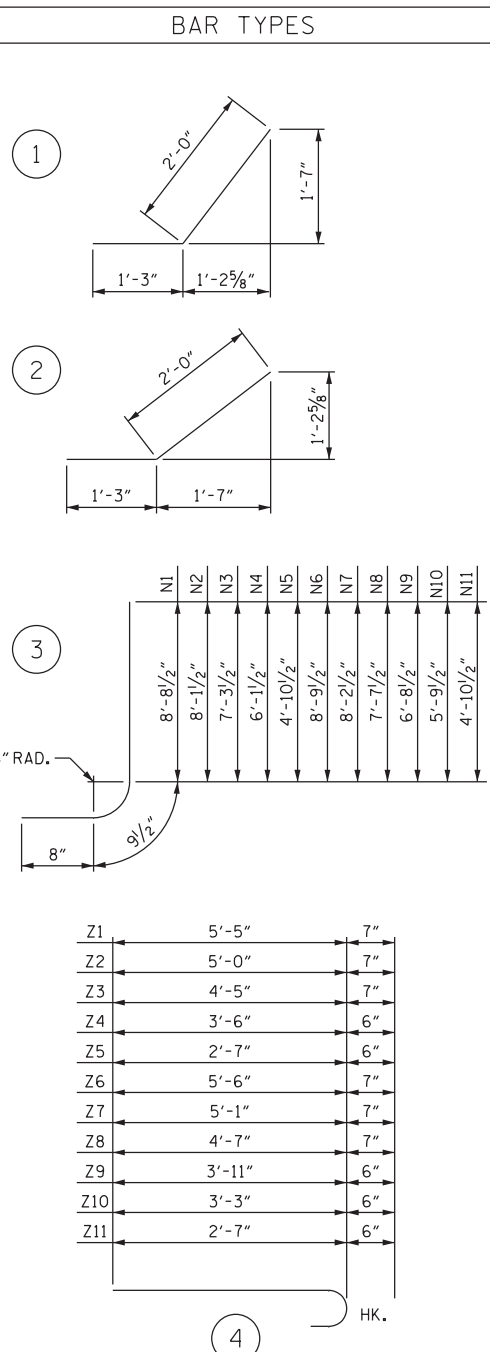
ELEVATION W1



ELEVATION W2



TYPICAL WING SECTION



Z1	5'-5"	7"
Z2	5'-0"	7"
Z3	4'-5"	7"
Z4	3'-6"	6"
Z5	2'-7"	6"
Z6	5'-6"	7"
Z7	5'-1"	7"
Z8	4'-7"	7"
Z9	3'-11"	6"
Z10	3'-3"	6"
Z11	2'-7"	6"

ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
H1	12	#4	STR	9'-1"	73
H2	4	#4	STR	8'-2"	22
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H6	12	#4	STR	12'-7"	101
H7	4	#4	STR	11'-4"	30
H8	4	#4	STR	6'-5"	17
H9	24	#4	2	3'-3"	52
H10	4	#4	STR	13'-2"	35
N1	4	#5	3	10'-2"	42
N2	4	#5	3	9'-7"	40
N3	4	#5	3	8'-9"	37
N4	6	#4	3	7'-7"	30
N5	6	#4	3	6'-4"	25
N6	4	#5	3	10'-3"	43
N7	6	#5	3	9'-8"	60
N8	4	#5	3	9'-1"	38
N9	6	#4	3	8'-2"	33
N10	6	#4	3	7'-3"	29
N11	6	#4	3	6'-4"	25
S1	12	#6	STR	6'-0"	108
T1	6	#5	STR	11'-0"	69
T2	6	#5	STR	14'-6"	91
V1	4	#4	STR	8'-2"	22
V2	4	#4	STR	7'-6"	20
V3	4	#4	STR	6'-9"	18
V4	6	#4	STR	5'-6"	22
V5	6	#4	STR	4'-4"	17
V6	4	#4	STR	8'-3"	22
V7	6	#4	STR	7'-8"	31
V8	4	#4	STR	7'-0"	19
V9	6	#4	STR	6'-1"	24
V10	6	#4	STR	5'-2"	21
V11	6	#4	STR	4'-3"	17
Z1	4	#5	4	6'-0"	25
Z2	4	#5	4	5'-7"	23
Z3	4	#5	4	5'-0"	21
Z4	6	#4	4	4'-0"	16
Z5	6	#4	4	3'-1"	12
Z6	4	#5	4	6'-1"	25
Z7	6	#5	4	5'-8"	35
Z8	4	#5	4	5'-2"	22
Z9	6	#4	4	4'-5"	18
Z10	6	#4	4	3'-9"	15
Z11	6	#4	4	3'-1"	12
REINFORCING STEEL FOR 4 WINGS					1547 LBS
CLASS A CONCRETE					
4 WINGS					22.6 CY
2 HEADWALLS					CY
2 END CURTAIN WALLS					CY
TOTAL					CY

PROJECT NO. _____

_____ COUNTY

STATION: _____

SHEET _ OF _

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD WINGS
FOR
CONCRETE BOX CULVERT
H = 8'-0" SLOPE = 2:1
105° SKEW

ASSEMBLED BY : -	DATE : -
CHECKED BY : -	DATE : -
DRAWN BY : CCJ 01/00	REV. 6/19 MAA/THC
CHECKED BY : RWW 03/00	

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

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED