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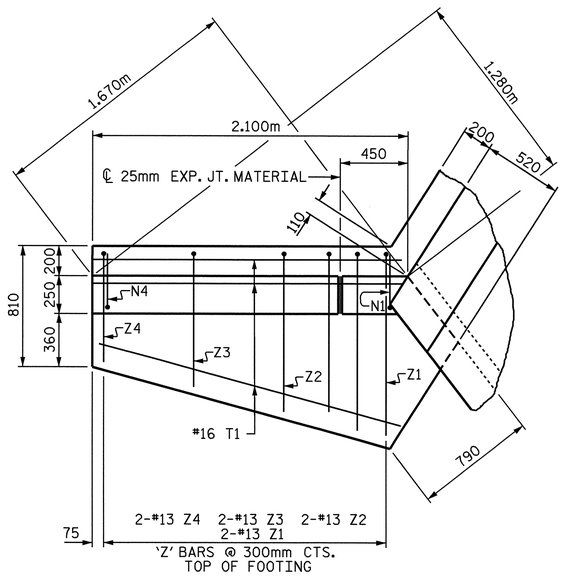
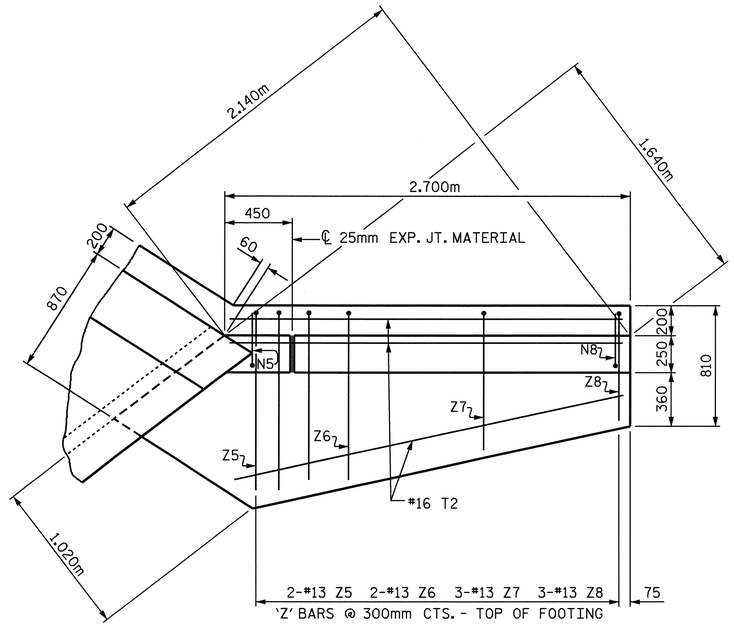
nruffln

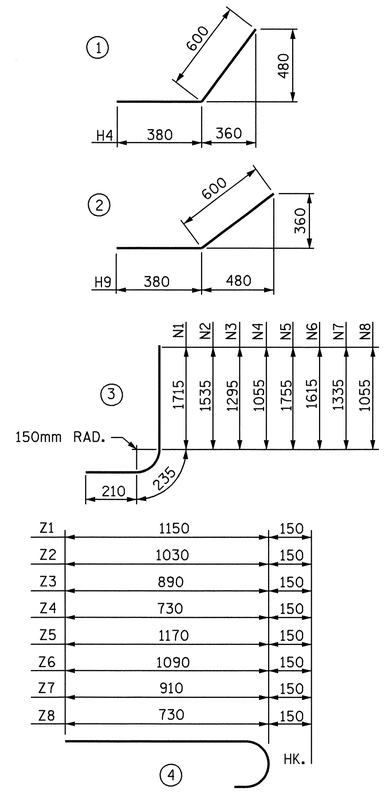


PLAN W2



PLAN W1

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

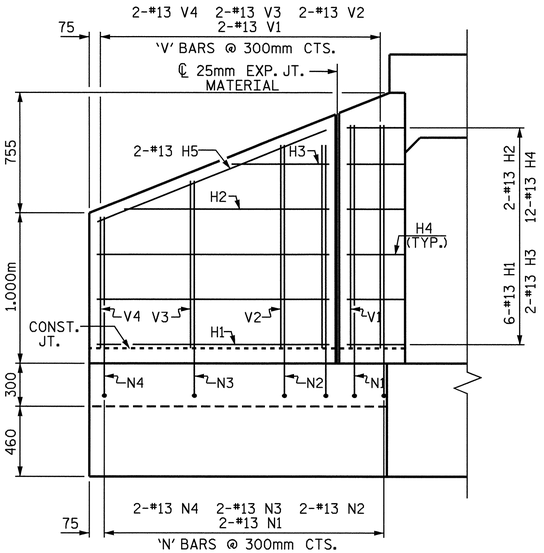
BILL OF MATERIAL

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
H1	12	13	STR	1540	18
H2	4	13	STR	1340	5
H3	4	13	STR	600	2
H4	24	13	1	980	23
H5	4	13	STR	1640	7
H6	12	13	STR	2140	26
H7	4	13	STR	1900	8
H8	4	13	STR	940	4
H9	24	13	2	980	23
H10	4	13	STR	2220	9
N1	4	13	3	2160	9
N2	4	13	3	1980	8
N3	4	13	3	1740	7
N4	4	13	3	1500	6
N5	4	13	3	2200	9
N6	4	13	3	2060	8
N7	6	13	3	1780	11
N8	6	13	3	1500	9
T1	6	16	STR	2100	20
T2	6	16	STR	2700	25
V1	4	13	STR	1540	6
V2	4	13	STR	1360	5
V3	4	13	STR	1120	4
V4	4	13	STR	880	3
V5	4	13	STR	1580	6
V6	4	13	STR	1440	6
V7	6	13	STR	1160	7
V8	6	13	STR	880	5
Z1	4	13	4	1300	5
Z2	4	13	4	1180	5
Z3	4	13	4	1040	4
Z4	4	13	4	880	3
Z5	4	13	4	1320	5
Z6	4	13	4	1240	5
Z7	6	13	4	1060	6
Z8	6	13	4	880	5

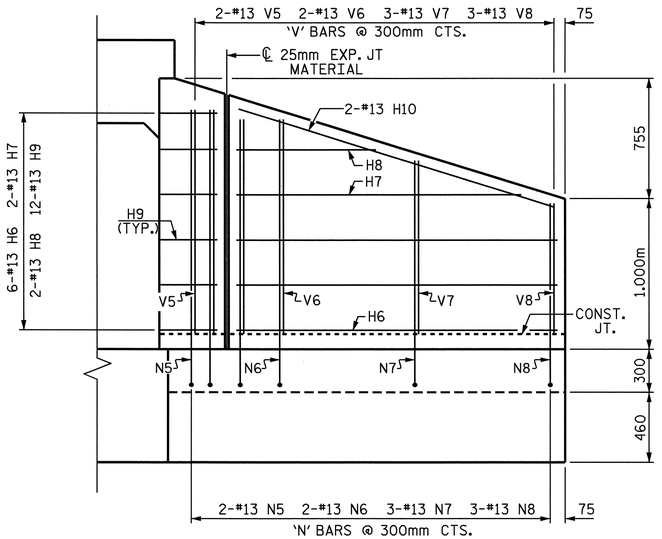
REINFORCING STEEL
FOR 4 WING WALLS 317 kg

CLASS A CONCRETE
4 WINGS 7.5 m^3
2 HEADWALLS 0.6 m^3
2 END CURTAIN WALLS 0.6 m^3
TOTAL 8.7 m^3

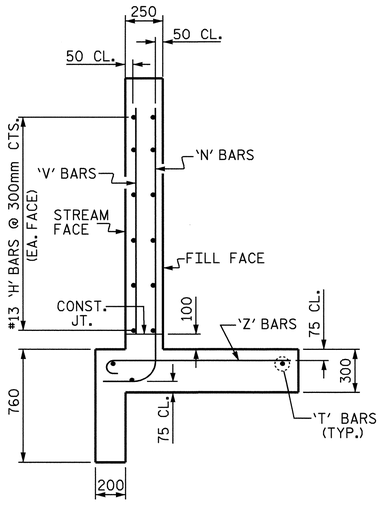
NOTE:
THE BILL OF MATERIAL SHOWN IS FOR 4 WING, BUT ONLY 2 WINGS ARE REQUIRED PER STAGE.



ELEVATION W2



ELEVATION W1



TYPICAL WING SECTION

PROJECT NO. R-2562C
BLADEN COUNTY
STATION: 146+61.950 -L- REV.

SHEET 4 OF 4

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD WINGS FOR CONCRETE BOX CULVERT H=1.500m SLOPE=2:1 105° SKEW HEADWALLS

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

ASSEMBLED BY :	Neil M Ruffin	DATE : 5/19/04
CHECKED BY :	J.D.HAWK	DATE : 7/21/04
DRAWN BY :	JLR 6/97	
CHECKED BY :	VAP 12/97	

FOR WING ORIENTATION, SEE BARREL STANDARD SHEET.

STR. #1 STD. NO. CW7515

18-OCT-2004 12:55
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