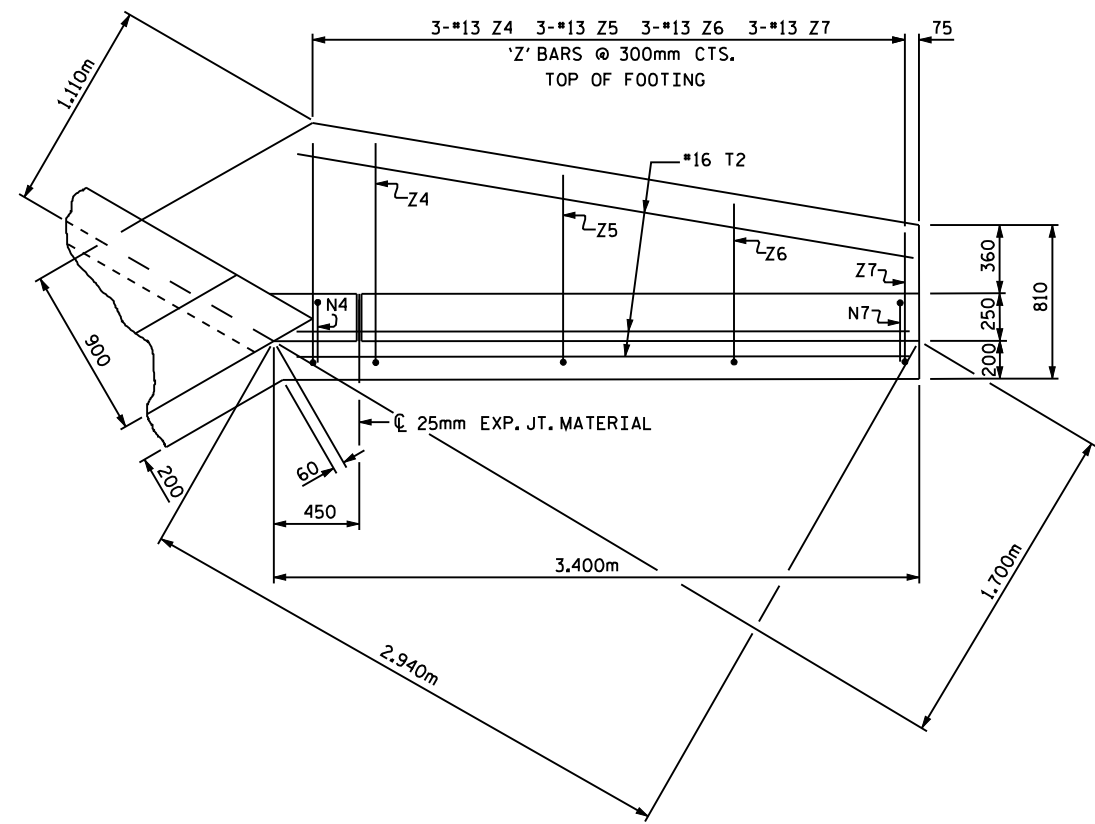
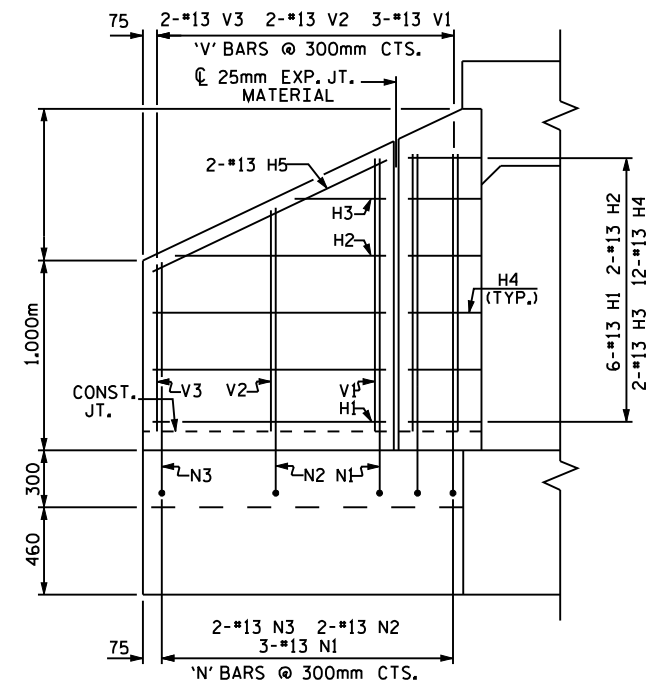


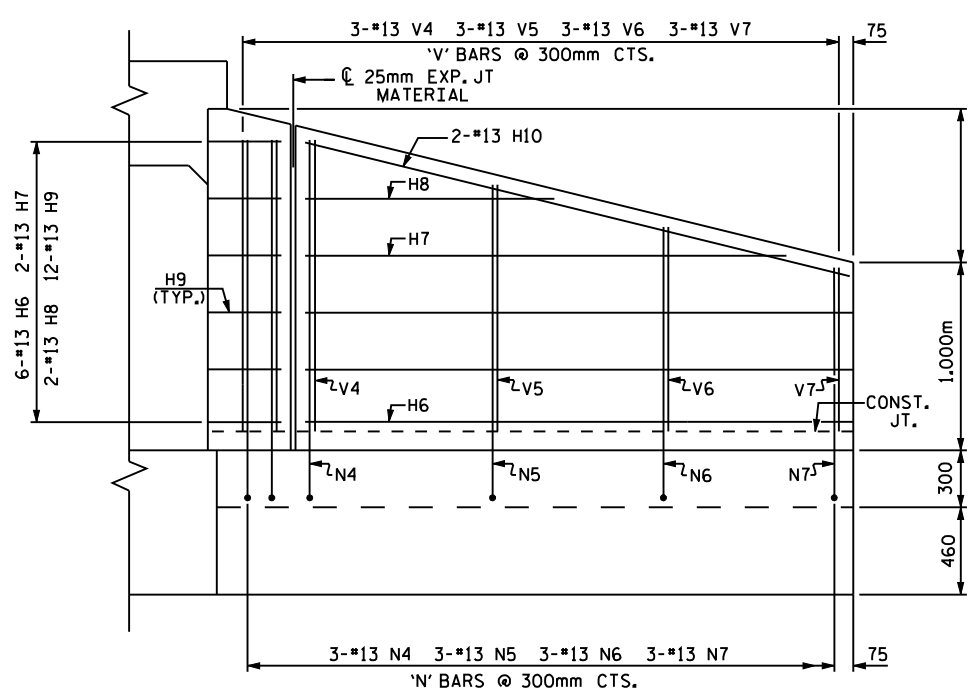
PLAN W2



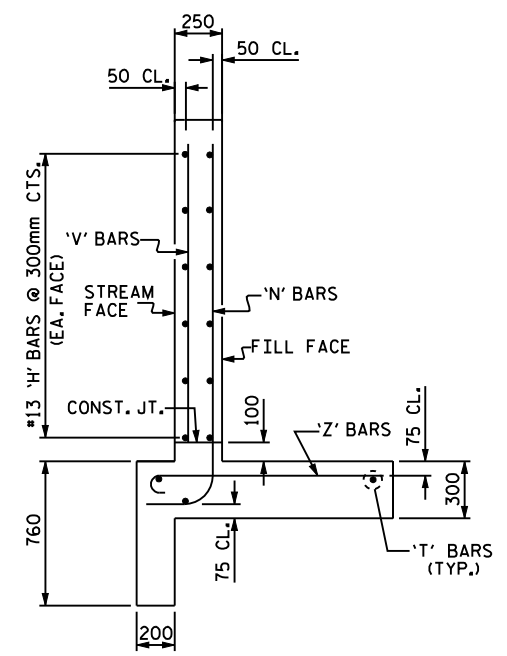
PLAN W1



ELEVATION W2



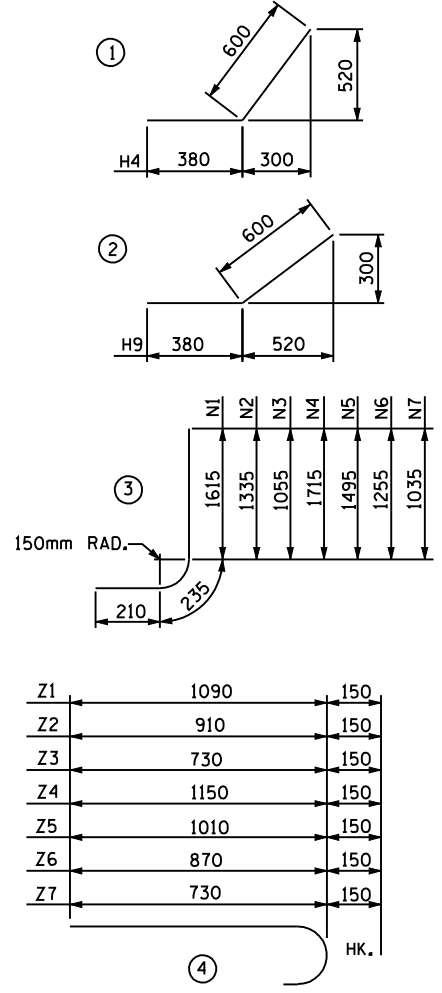
ELEVATION W1



TYPICAL WING SECTION

BAR TYPES

ALL BAR DIMENSIONS ARE OUT TO OUT.



BILL OF MATERIAL

BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
H1	12	13	STR	1240	15
H2	4	13	STR	1060	4
H3	4	13	STR	400	2
H4	24	13	1	980	23
H5	4	13	STR	1360	5
H6	12	13	STR	2840	34
H7	4	13	STR	2560	10
H8	4	13	STR	1340	5
H9	24	13	2	980	23
H10	4	13	STR	2920	12
N1	6	13	3	2060	12
N2	4	13	3	1780	7
N3	4	13	3	1500	6
N4	6	13	3	2160	13
N5	6	13	3	1940	12
N6	6	13	3	1700	10
N7	6	13	3	1480	9
T1	6	16	STR	1800	17
T2	6	16	STR	3400	32
V1	6	13	STR	1440	9
V2	4	13	STR	1160	5
V3	4	13	STR	880	3
V4	6	13	STR	1540	9
V5	6	13	STR	1320	8
V6	6	13	STR	1080	6
V7	6	13	STR	860	5
Z1	6	13	4	1240	7
Z2	4	13	4	1060	4
Z3	4	13	4	880	3
Z4	6	13	4	1300	8
Z5	6	13	4	1160	7
Z6	6	13	4	1020	6
Z7	6	13	4	880	5

REINFORCING STEEL FOR 4 WING WALLS 336 kg

CLASS A CONCRETE

4 WINGS 8.1 m³

2 HEADWALLS m³

2 END CURTAIN WALLS m³

TOTAL m³

ASSEMBLED BY :
 CHECKED BY :
 DRAWN BY : KJA 7/97
 CHECKED BY : VAP 11/97

DATE :
 DATE :

FOR WING ORIENTATION, SEE BARREL STANDARD SHEET.

PROJECT NO. _____
 _____ COUNTY
 STATION: _____

SHEET OF
 STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 STANDARD WINGS
 FOR
 CONCRETE BOX CULVERT
 H=1.500m SLOPE=2:1
 60° OR 120° SKEW

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