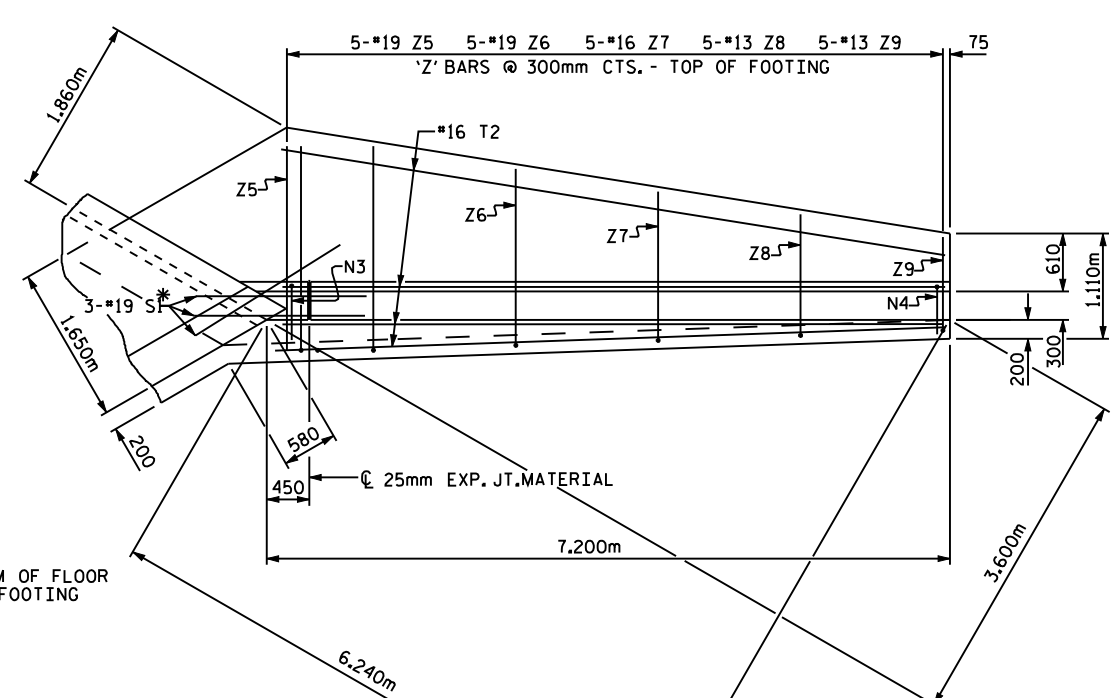
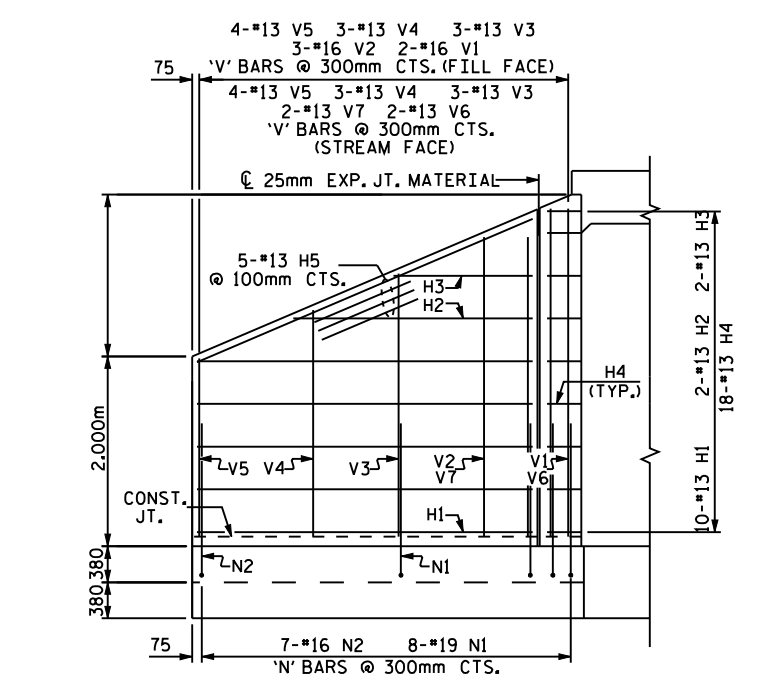


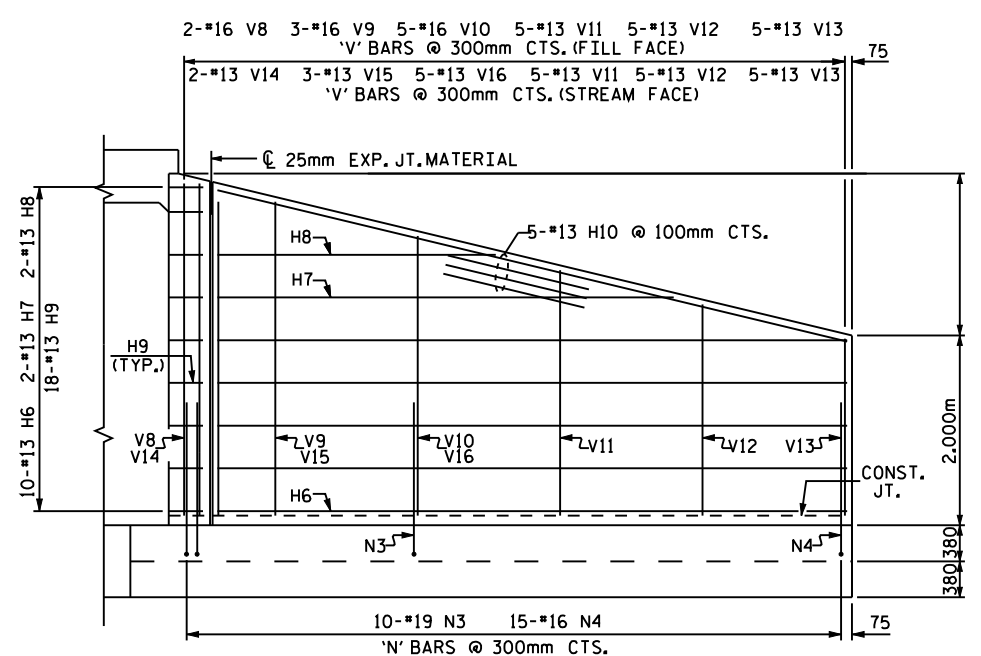
PLAN W2



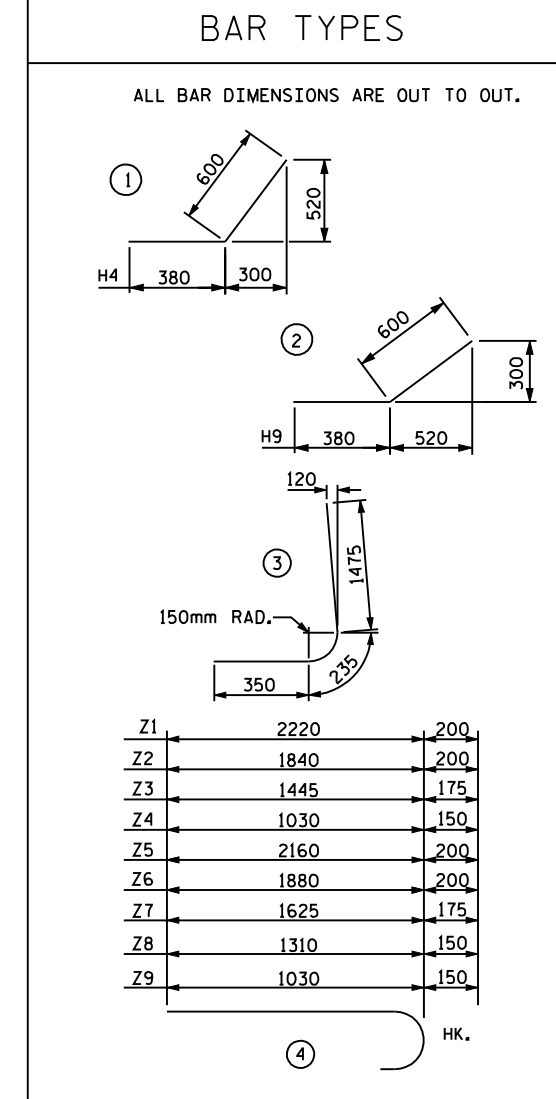
PLAN W1



ELEVATION W2



ELEVATION W1



BILL OF MATERIAL

BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	
H1	20	13	STR	3540	70
H2	4	13	STR	2520	10
H3	4	13	STR	1460	6
H4	36	13	1	980	35
H5	10	13	STR	3820	38
H6	20	13	STR	6640	132
H7	4	13	STR	4900	19
H8	4	13	STR	3040	12
H9	36	13	2	980	35
H10	10	13	STR	6820	68

N1	16	19	3	2060	74
N2	14	16	3	2060	45
N3	20	19	3	2060	92
N4	30	16	3	2060	96

S1	12	19	STR	1800	48
T1	8	16	STR	4100	51
T2	8	16	STR	7200	89

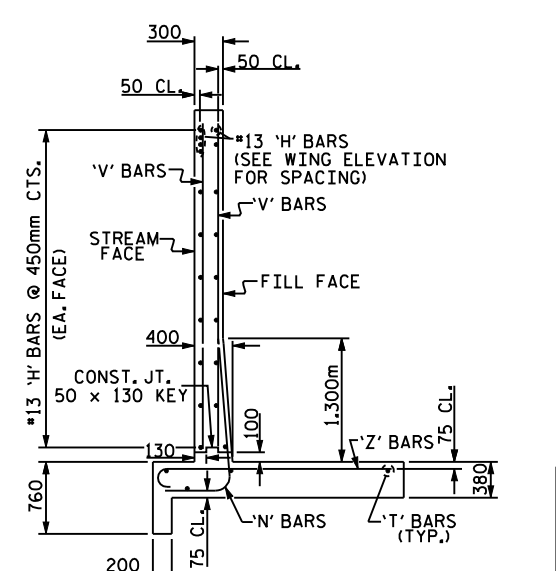
V1	4	16	STR	3440	21
V2	6	16	STR	3160	29
V3	12	13	STR	2760	33
V4	12	13	STR	2380	28
V5	16	13	STR	1880	30
V6	4	13	STR	3440	14
V7	6	13	STR	3160	19
V8	4	16	STR	3500	22
V9	6	16	STR	3320	31
V10	10	16	STR	2960	46
V11	20	13	STR	2600	52
V12	20	13	STR	2220	44
V13	20	13	STR	1860	37
V14	4	13	STR	3500	14
V15	6	13	STR	3320	20
V16	10	13	STR	2960	29

Z1	6	19	4	2440	33
Z2	8	19	4	2040	36
Z3	8	16	4	1620	20
Z4	8	13	4	1180	9
Z5	10	19	4	2360	53
Z6	10	19	4	2080	46
Z7	10	16	4	1800	28
Z8	10	13	4	1460	15
Z9	10	13	4	1180	12

REINFORCING STEEL FOR 4 WINGS 1641 kg

CLASS A CONCRETE

4 WINGS	39.5	m ³
2 HEADWALLS		m ³
2 END CURTAIN WALLS		m ³
TOTAL		m ³



TYPICAL WING SECTION

PROJECT NO. _____
 _____ COUNTY
 STATION: _____

SHEET OF _____
 STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 STANDARD WINGS
 FOR
 CONCRETE BOX CULVERT
 H = 3.400m SLOPE = 2 : 1
 60° OR 120° SKEW

ASSEMBLED BY :	DATE :
CHECKED BY :	DATE :
DRAWN BY : FPP 06/97	
CHECKED BY : VAP 08/97	

FOR WING ORIENTATION, SEE BARREL STANDARD SHEET.

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