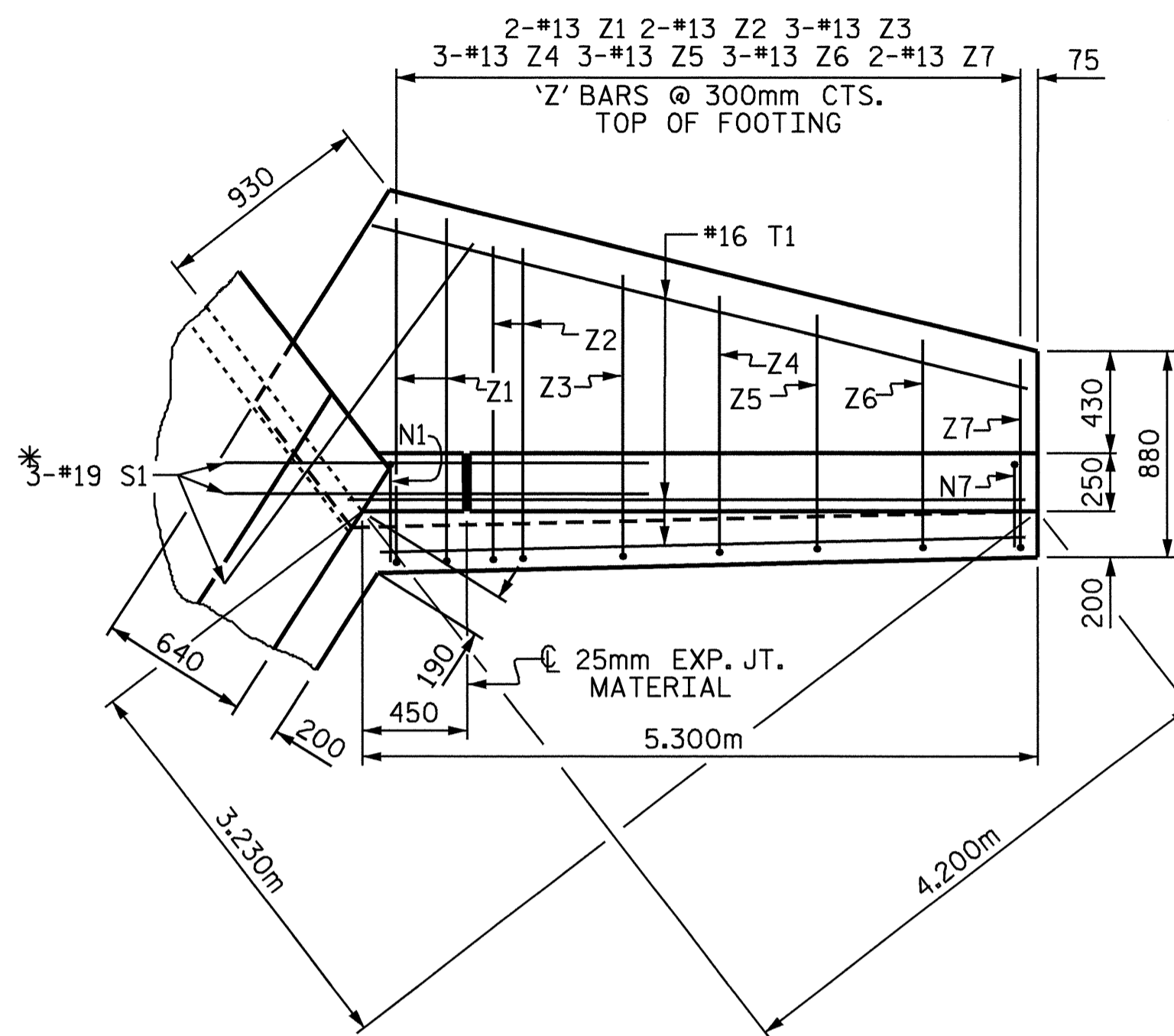
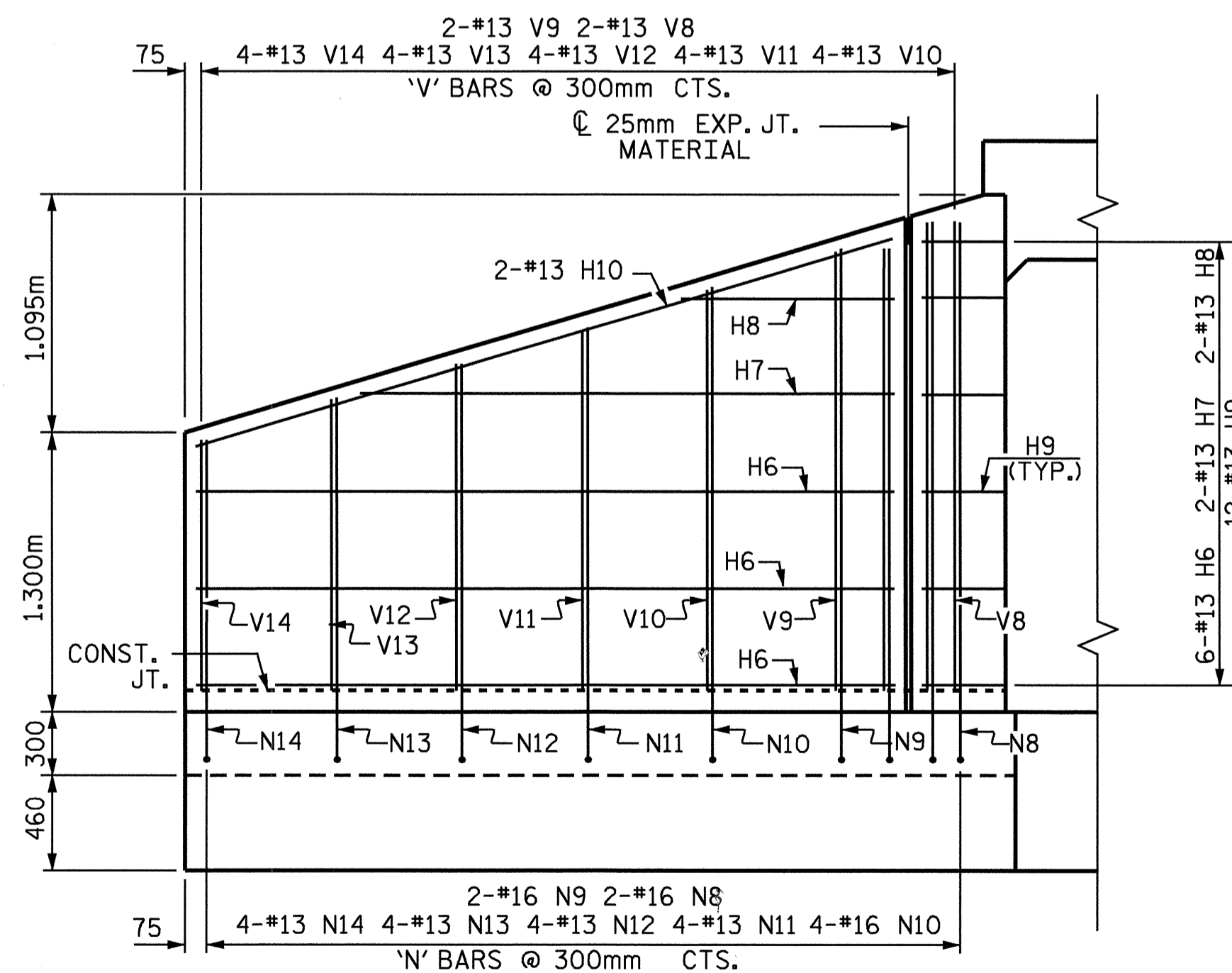


PLAN W2

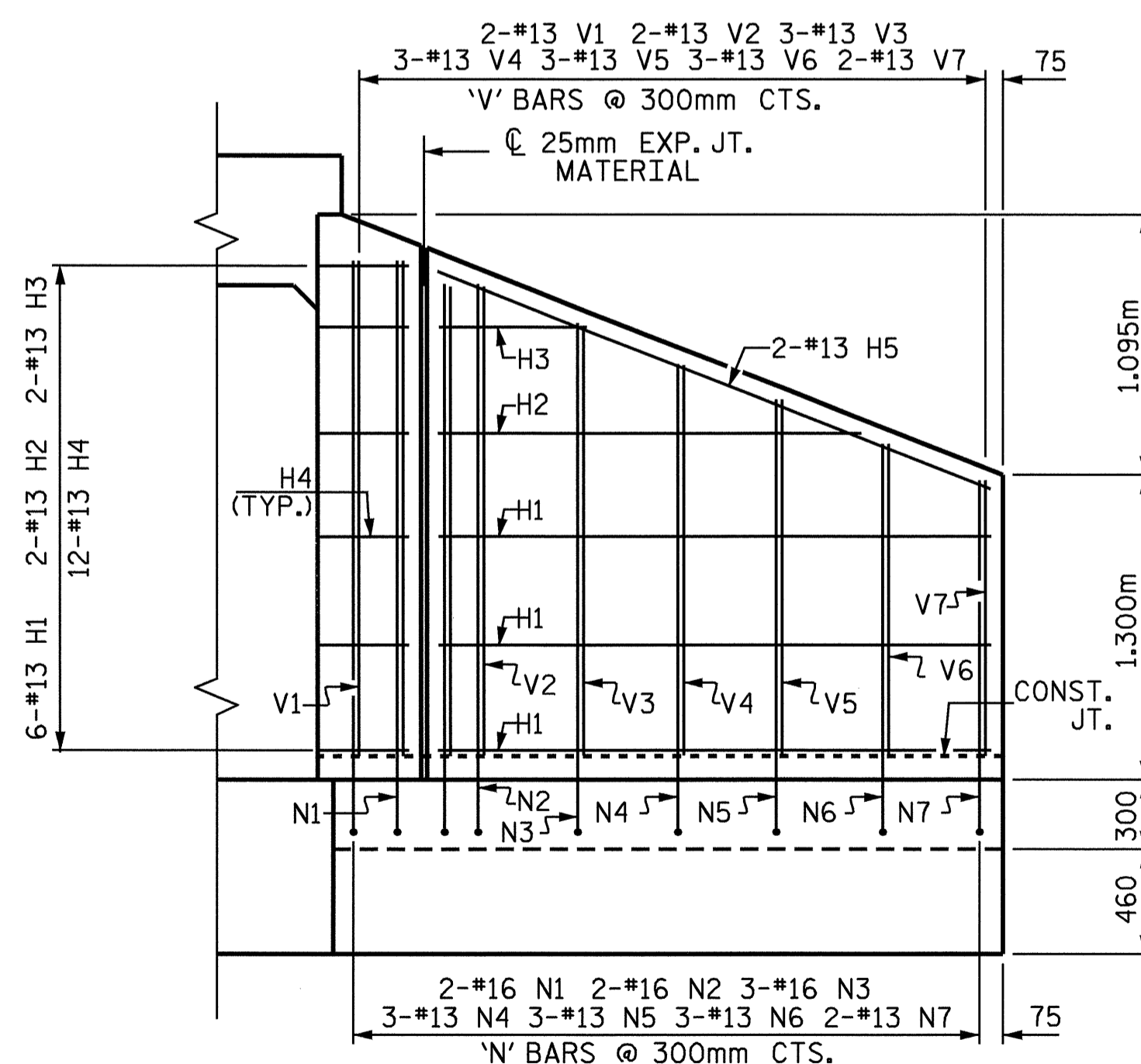
* S1 BARS AT BOTTOM OF FLOOR SLAB AND FOOTING



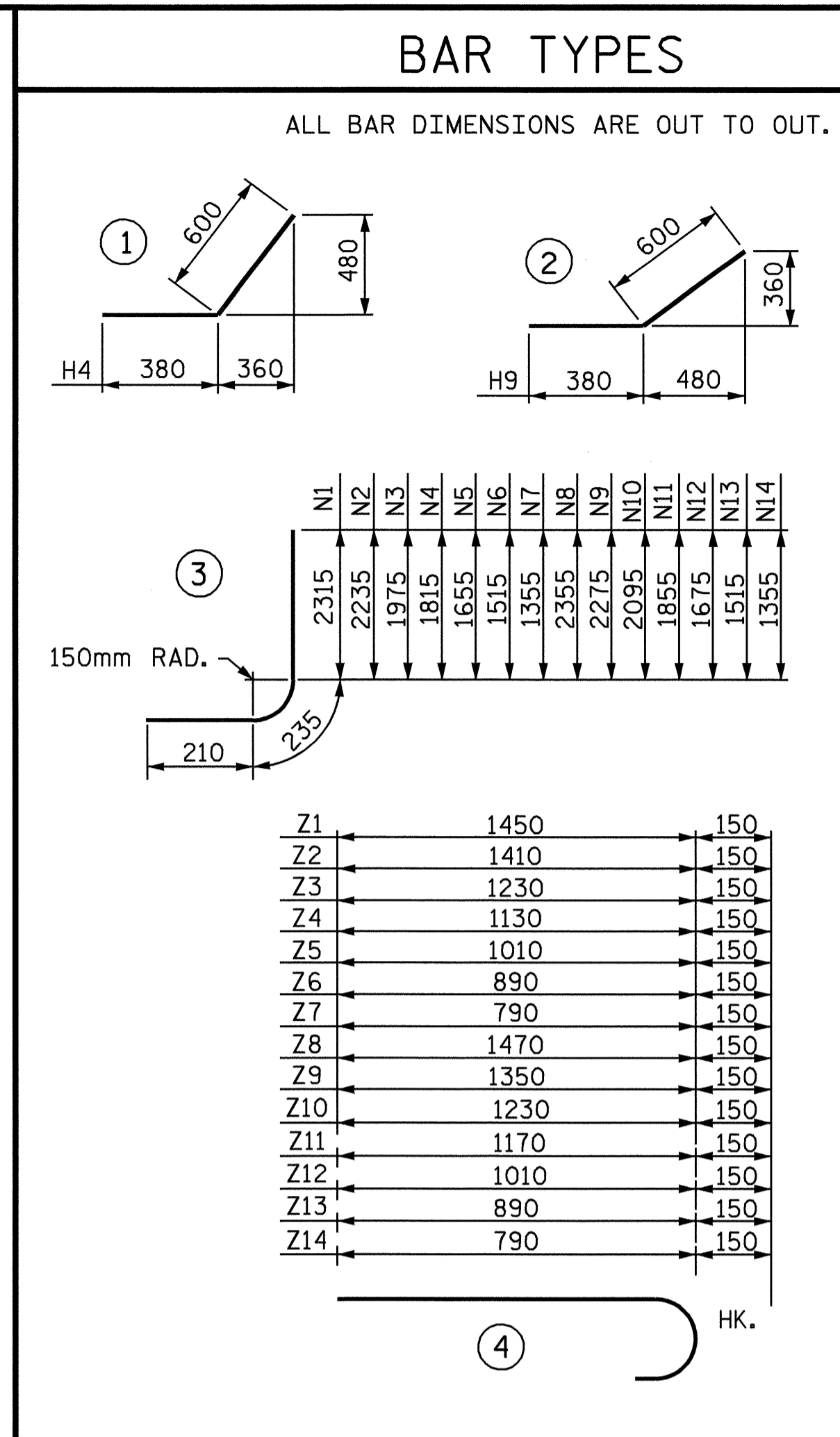
PLAN W1



ELEVATION W2



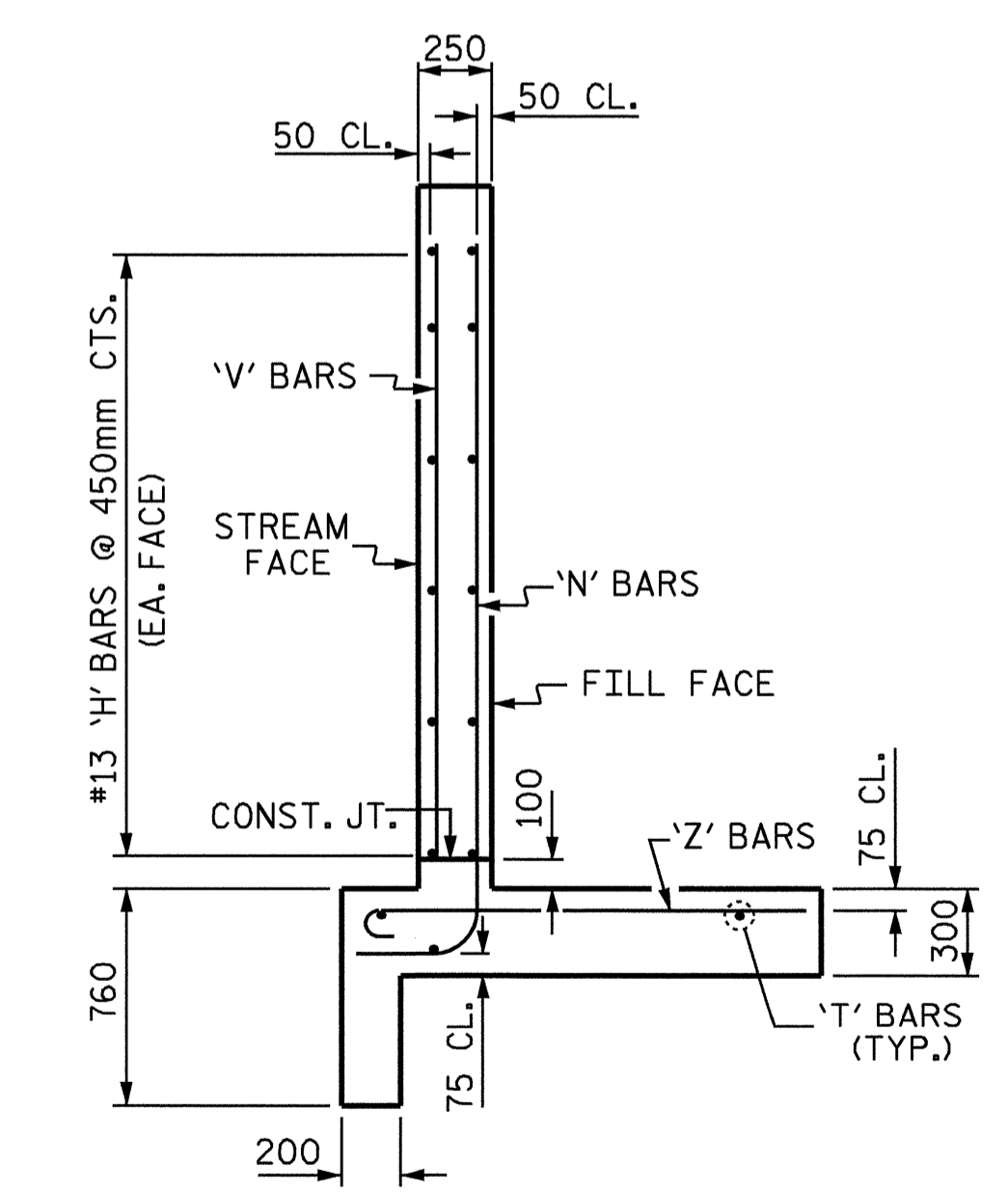
ELEVATION W1



Z1	1450	150
Z2	1410	150
Z3	1230	150
Z4	1130	150
Z5	1010	150
Z6	890	150
Z7	790	150
Z8	1470	150
Z9	1350	150
Z10	1230	150
Z11	1170	150
Z12	1010	150
Z13	890	150
Z14	790	150

BILL OF MATERIAL					
BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	
H1	12	13	STR	4720	56
H2	4	13	STR	3680	15
H3	4	13	STR	1620	6
H4	24	13	1	980	23
H5	4	13	STR	4820	19
H6	12	13	STR	6480	77
H7	4	13	STR	5080	20
H8	4	13	STR	2240	9
H9	24	13	2	980	23
H10	4	13	STR	6540	26
N1	4	16	3	2760	17
N2	4	16	3	2680	17
N3	6	16	3	2420	23
N4	6	13	3	2260	13
N5	6	13	3	2100	13
N6	6	13	3	1960	12
N7	4	13	3	1800	7
N8	4	16	3	2800	17
N9	4	16	3	2720	17
N10	8	16	3	2540	32
N11	8	13	3	2300	18
N12	8	13	3	2120	17
N13	8	13	3	1960	16
N14	8	13	3	1800	14
S1	12	19	STR	2400	64
T1	6	16	STR	5320	50
T2	6	16	STR	7000	65
V1	4	13	STR	2140	9
V2	4	13	STR	2060	8
V3	6	13	STR	1800	11
V4	6	13	STR	1640	10
V5	6	13	STR	1480	9
V6	6	13	STR	1340	8
V7	4	13	STR	1180	5
V8	4	13	STR	2180	9
V9	4	13	STR	2100	8
V10	8	13	STR	1920	15
V11	8	13	STR	1680	13
V12	8	13	STR	1500	12
V13	8	13	STR	1340	11
V14	8	13	STR	1180	9
Z1	4	13	4	1600	6
Z2	4	13	4	1560	6
Z3	6	13	4	1380	8
Z4	6	13	4	1280	8
Z5	6	13	4	1160	7
Z6	6	13	4	1040	6
Z7	4	13	4	940	4
Z8	4	13	4	1620	6
Z9	4	13	4	1500	6
Z10	8	13	4	1380	11
Z11	8	13	4	1320	10
Z12	8	13	4	1160	9
Z13	8	13	4	1040	8
Z14	8	13	4	940	7

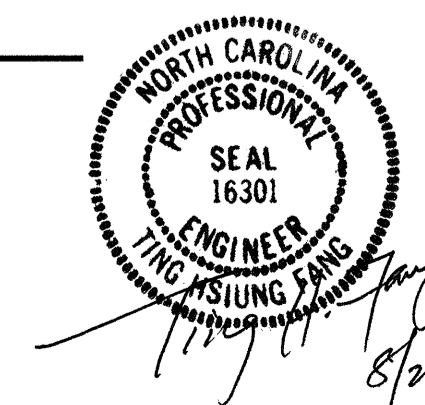
REINFORCING STEEL FOR 4 WING WALLS	925	kg
CLASS A CONCRETE		
4 WINGS	23.8	m ³
2 HEADWALLS	1.3	m ³
2 END CURTAIN WALLS	1.6	m ³
4 EDGE BEAMS	2.0	m ³
TOTAL	28.7	m³



TYPICAL WING SECTION

PROJECT NO. R-513A
 ROBESON COUNTY
 STATION: 12+42.500 -Y2-

SHEET 4 OF 4
 DEPARTMENT OF TRANSPORTATION
 WINGS FOR CONCRETE BOX CULVERT
 H=2.100m SLOPE=3.5:1
 105° SKEW



ASSEMBLED BY : N. Q. TRAN DATE : 2-7-03
 CHECKED BY : M. A. ALLEN DATE : 12-24-03
 DRAWN BY : JLR 5/97
 CHECKED BY : VAP 10/97

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			24
2			4			24