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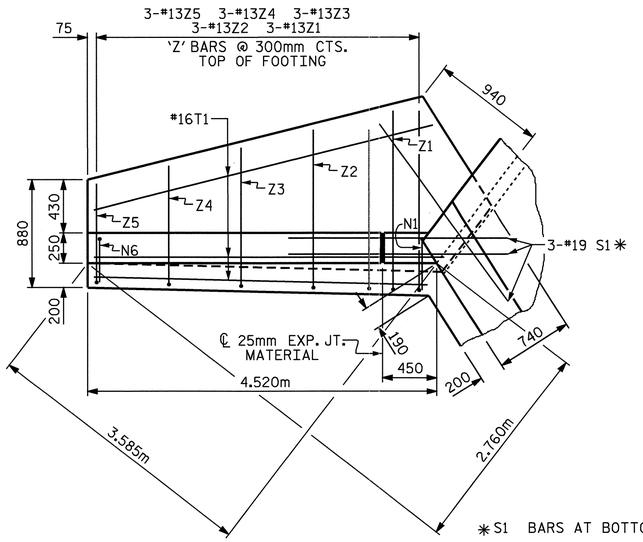
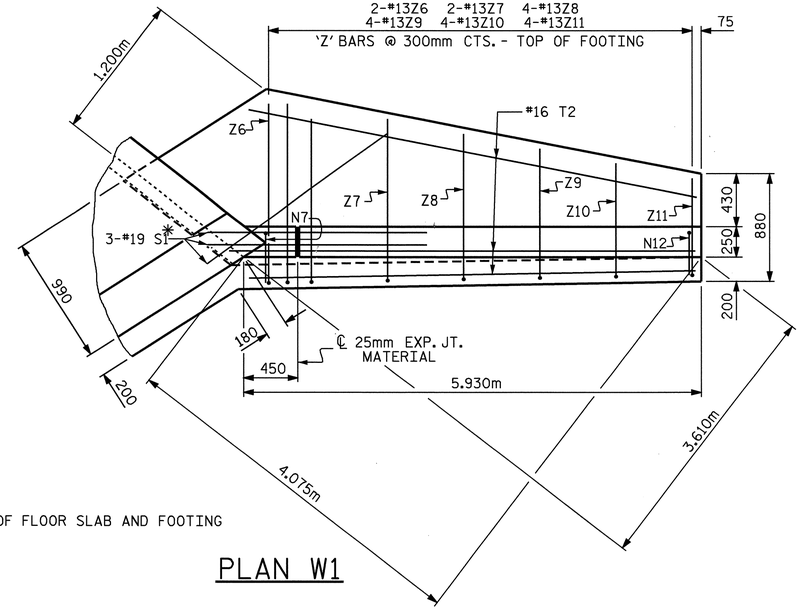
twalter



PLAN W2

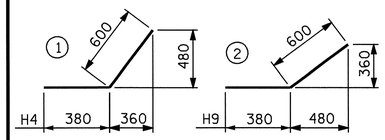


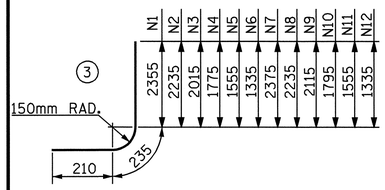
PLAN W1

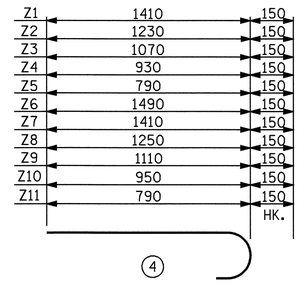
* S1 BARS AT BOTTOM OF FLOOR SLAB AND FOOTING

BAR TYPES

ALL BAR DIMENSIONS ARE OUT TO OUT.





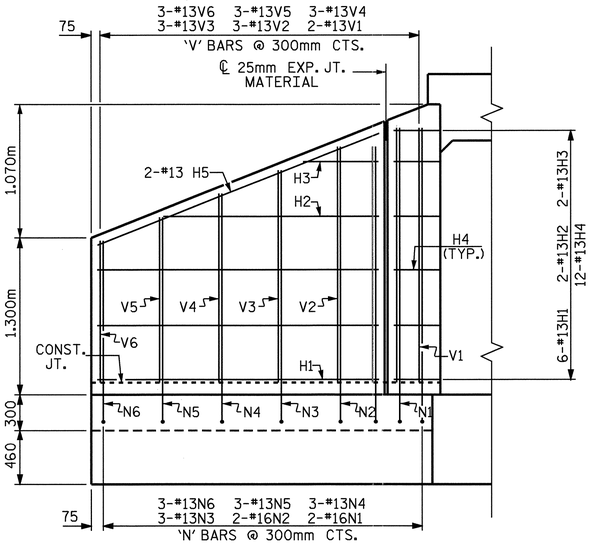


BILL OF MATERIAL

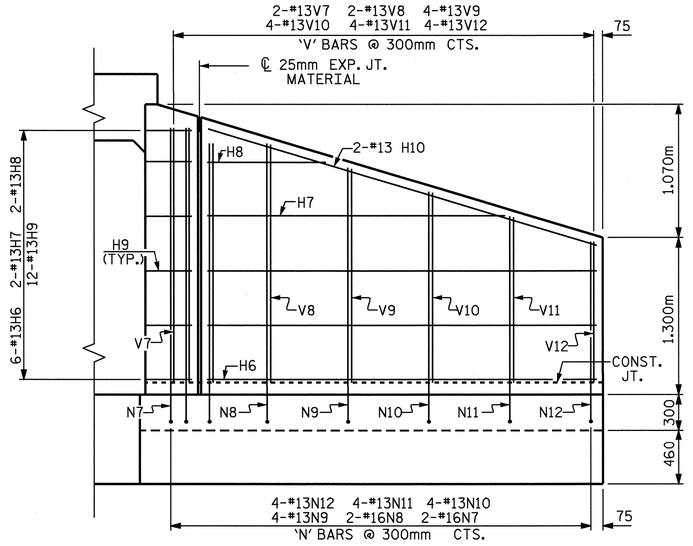
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
H1	6	13	STR	3960	24
H2	2	13	STR	3340	7
H3	2	13	STR	1640	3
H4	12	13	1	980	12
H5	2	13	STR	4560	9
H6	6	13	STR	5360	32
H7	2	13	STR	2160	4
H8	2	13	STR	1640	3
H9	12	13	2	980	12
H10	2	13	STR	5920	12
N1	2	16	3	2800	9
N2	2	16	3	2680	8
N3	3	13	3	2460	7
N4	3	13	3	2220	7
N5	3	13	3	2000	6
N6	3	13	3	1780	5
N7	2	16	3	2820	9
N8	2	16	3	2680	8
N9	4	13	3	2460	10
N10	4	13	3	2240	9
N11	4	13	3	2000	8
N12	4	13	3	1780	7
S1	6	19	STR	1800	24
T1	3	16	STR	4520	21
T2	3	16	STR	5920	28
V1	2	13	STR	2280	5
V2	2	13	STR	2160	4
V3	3	13	STR	1940	6
V4	3	13	STR	1700	5
V5	3	13	STR	1480	4
V6	3	13	STR	1260	4
V7	2	13	STR	2300	5
V8	2	13	STR	2160	4
V9	4	13	STR	1940	8
V10	4	13	STR	1720	7
V11	4	13	STR	1480	6
V12	4	13	STR	1260	5
Z1	3	13	4	1560	5
Z2	3	13	4	1380	4
Z3	3	13	4	1220	4
Z4	3	13	4	1080	3
Z5	3	13	4	940	3
Z6	2	13	4	1640	3
Z7	2	13	4	1560	3
Z8	4	13	4	1400	6
Z9	4	13	4	1260	5
Z10	4	13	4	1100	4
Z11	4	13	4	940	4

REINFORCING STEEL
FOR 2 WING WALLS 391 kg

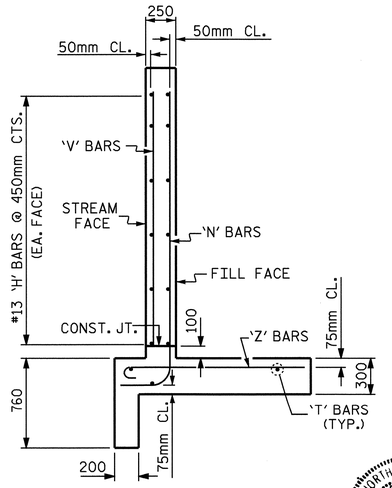
CLASS A CONCRETE
2 WINGS 10.1 m^3
1 HEADWALL 0.3 m^3
1 END CURTAIN WALL 0.3 m^3
TOTAL 10.7 m^3



ELEVATION W2



ELEVATION W1



TYPICAL WING SECTION

FOR WING ORIENTATION, SEE BARREL STANDARD SHEET.

PROJECT NO. R-513C
ROBESON COUNTY
STATION: 12+02.000 -Y1-

SHEET 3 OF 4

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

OUTLET WINGS FOR CONCRETE BOX CULVERT H=2.100m SLOPE=3:1 75° SKEW

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	C-6
1			3			TOTAL SHEETS
2			4			7

DRAWN BY : T.A. WALTER DATE : 7/22/03
CHECKED BY : S.M. RASHIDI DATE : 11/13/03

STD. NO. CW7521