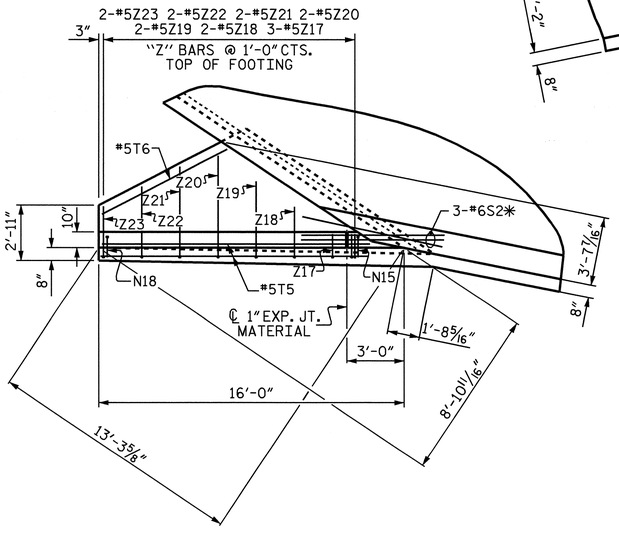
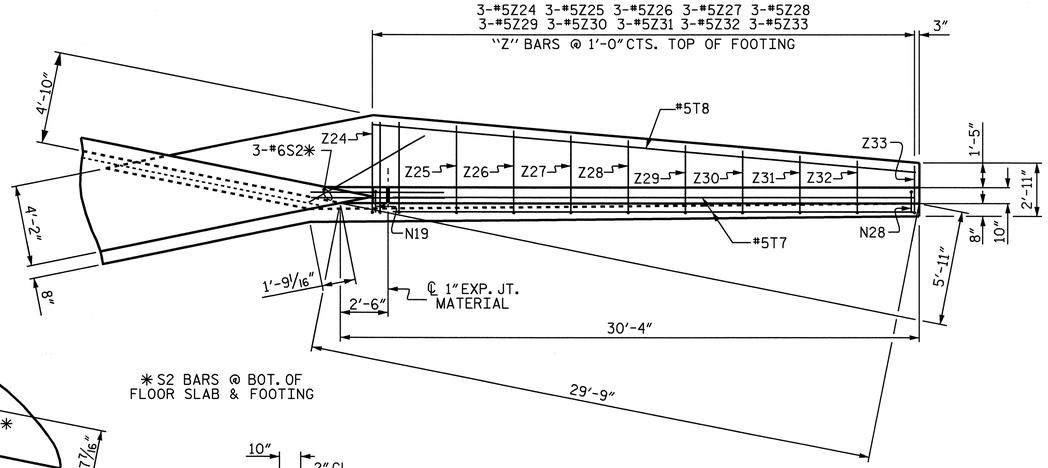
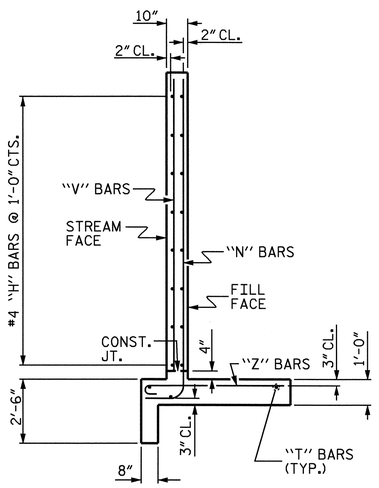


PLAN W4



*S2 BARS @ BOT. OF
FLOOR SLAB & FOOTING

PLAN W3



TYPICAL WING SECTION

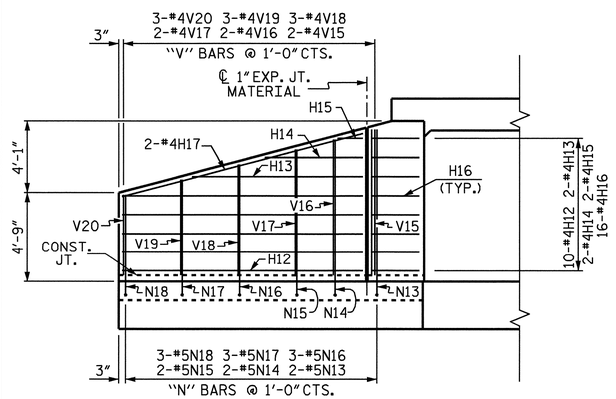
NOTES

A 3 FOOT STRIP OF FILTER FABRIC SHALL BE ATTACHED TO THE FILL FACE OF THE WING COVERING THE ENTIRE LENGTH OF THE EXPANSION JOINT.

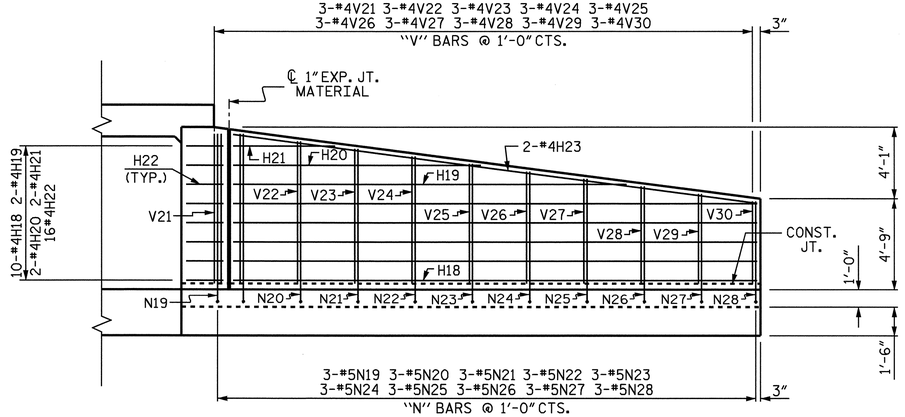
G1 BARS IN HEADWALL ARE INCLUDED WITH THE BARREL REINFORCING STEEL.

BILL OF MATERIAL

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
H12	10	#4	STR	12'-7"	84	V18	3	#4	STR	5'-10"	12
H13	2	#4	STR	8'-11"	12	V19	3	#4	STR	5'-1"	10
H14	2	#4	STR	5'-1"	7	V20	3	#4	STR	4'-3"	9
H15	2	#4	STR	1'-4"	2	V21	3	#4	STR	7'-9"	16
H16	16	#4	1	3'-3"	35	V22	3	#4	STR	7'-5"	15
H17	2	#4	STR	13'-0"	17	V23	3	#4	STR	7'-0"	14
H18	10	#4	STR	27'-5"	183	V24	3	#4	STR	6'-7"	13
H19	2	#4	STR	20'-7"	27	V25	3	#4	STR	6'-3"	13
H20	2	#4	STR	12'-11"	17	V26	3	#4	STR	5'-10"	12
H21	2	#4	STR	5'-4"	7	V27	3	#4	STR	5'-5"	11
H22	16	#4	2	3'-3"	35	V28	3	#4	STR	5'-0"	10
H23	2	#4	STR	27'-8"	37	V29	3	#4	STR	4'-8"	9
						V30	3	#4	STR	4'-3"	9
N13	2	#5	3	9'-5"	20						
N14	2	#5	3	8'-11"	19	Z17	3	#5	4	1'-9"	5
N15	2	#5	3	8'-5"	18	Z18	2	#5	4	3'-3"	7
N16	3	#5	3	7'-7"	24	Z19	2	#5	4	4'-7"	10
N17	3	#5	3	6'-10"	21	Z20	2	#5	4	5'-11"	12
N18	3	#5	3	6'-0"	19	Z21	2	#5	4	5'-4"	11
N19	3	#5	3	9'-6"	30	Z22	2	#5	4	4'-3"	9
N20	3	#5	3	9'-2"	29	Z23	2	#5	4	3'-3"	7
N21	3	#5	3	8'-9"	27	Z24	3	#5	4	5'-3"	16
N22	3	#5	3	8'-4"	26	Z25	3	#5	4	5'-1"	16
N23	3	#5	3	8'-0"	25	Z26	3	#5	4	4'-10"	15
N24	3	#5	3	7'-7"	24	Z27	3	#5	4	4'-7"	14
N25	3	#5	3	7'-2"	22	Z28	3	#5	4	4'-4"	14
N26	3	#5	3	6'-9"	21	Z29	3	#5	4	4'-1"	13
N27	3	#5	3	6'-5"	20	Z30	3	#5	4	3'-10"	12
N28	3	#5	3	6'-0"	19	Z31	3	#5	4	3'-7"	11
						Z32	3	#5	4	3'-3"	10
S2	6	#6	STR	6'-0"	54	Z33	3	#5	4	3'-0"	9
T5	2	#5	STR	14'-0"	29	REINFORCING STEEL FOR 2 WINGS = 1378 LBS.					
T6	1	#5	STR	7'-5"	8						
T7	2	#5	STR	27'-4"	57	CLASS A CONCRETE					
T8	1	#5	STR	28'-7"	30	2 WINGS				20.1	C.Y.
						1 HEADWALLS				0.6	C.Y.
V15	2	#4	STR	7'-8"	10	1 END CURTAIN WALLS				0.6	C.Y.
V16	2	#4	STR	7'-2"	10	2 EDGE BEAMS				1.0	C.Y.
V17	2	#4	STR	6'-8"	9	TOTAL				22.3	C.Y.



ELEVATION W4

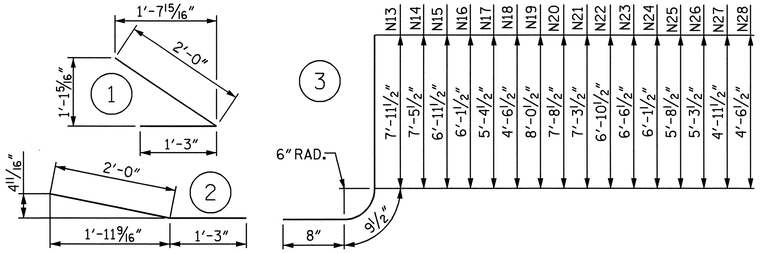


ELEVATION W3

NORTH CAROLINA PROFESSIONAL SEAL 20125 ENGINEER MARSHALL H. CHEEK, JR.
10-5-04

BAR TYPES

ALL BAR DIMENSIONS ARE OUT TO OUT.



Z17	1'-2"	7"
Z18	2'-8"	7"
Z19	4'-0"	7"
Z20	5'-4"	7"
Z21	4'-9"	7"
Z22	3'-8"	7"
Z23	2'-8"	7"
Z24	4'-8"	7"
Z25	4'-6"	7"
Z26	4'-3"	7"
Z27	4'-0"	7"
Z28	3'-9"	7"
Z29	3'-6"	7"
Z30	3'-3"	7"
Z31	3'-0"	7"
Z32	2'-8"	7"
Z33	2'-5"	7"

4 HK.

PROJECT NO. R-2911C

ROWAN COUNTY

STATION: 152+76.60 -L2-

SHEET 4 OF 7

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

WINGS W3 &W4 FOR CONCRETE BOX CULVERT

H = 8'-0" SLOPE = 2:1

LEFT EXTENSION

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	C-11
1			3			TOTAL SHEETS
2			4			20

DRAWN BY : L.L.MURPHY DATE : 08-04
CHECKED BY : M.G. CHEEK DATE : 08-04

01-OCT-2004 14:49
w:\sdquady\r2911c\lmurphy\R2911C_sd_CU_02.dgn
lmurphy

STR #2

NCDOT