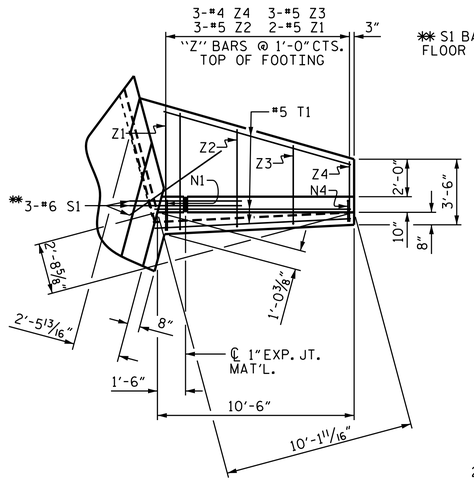
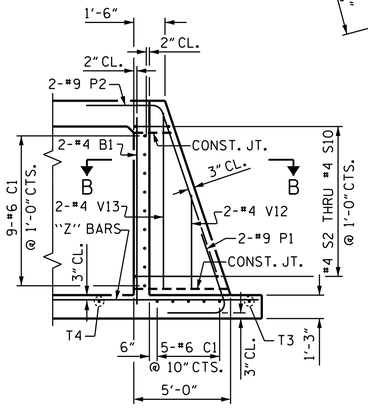


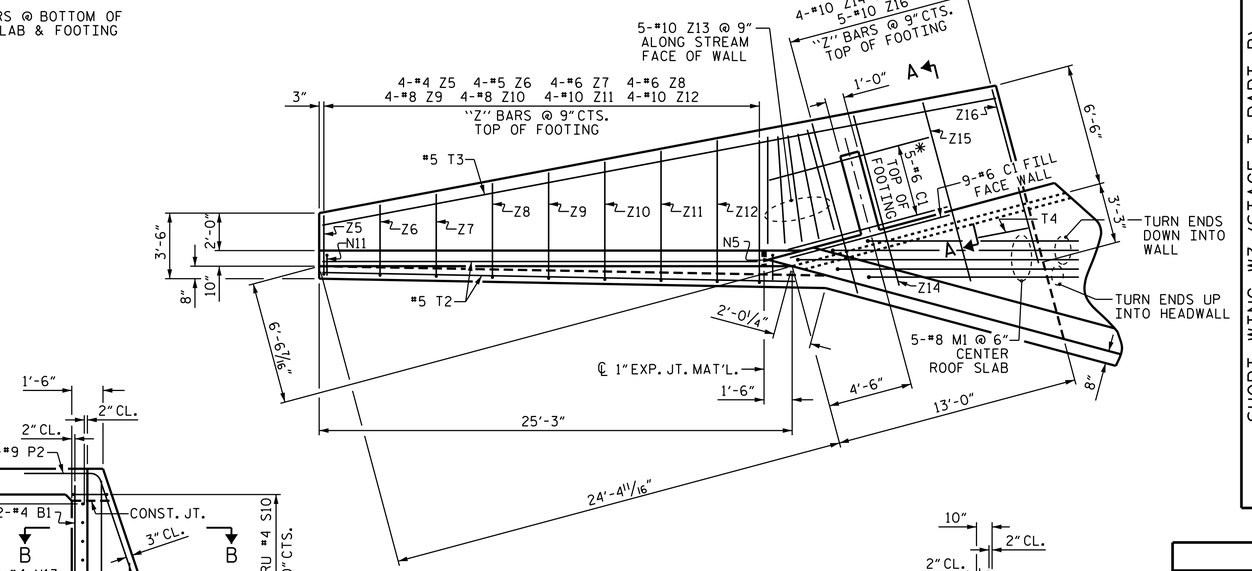
PLAN W3

✱✱ S1 BARS @ BOTTOM OF FLOOR SLAB & FOOTING



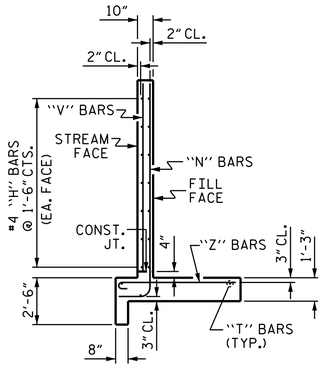
SECTION A-A

STANDARD REINFORCING STEEL IN BARREL NOT SHOWN

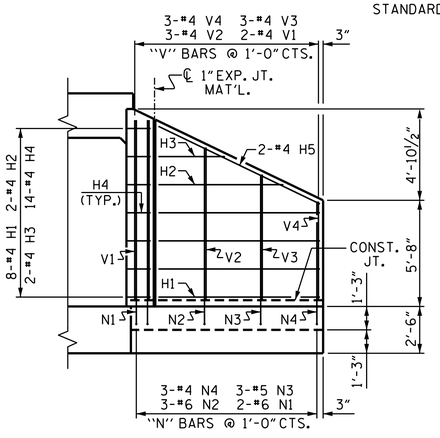


PLAN W4

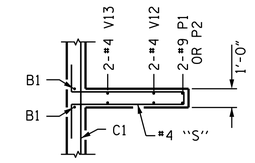
✱ CENTER ALL #6 C1 BARS ON ℄ COUNTERFORT



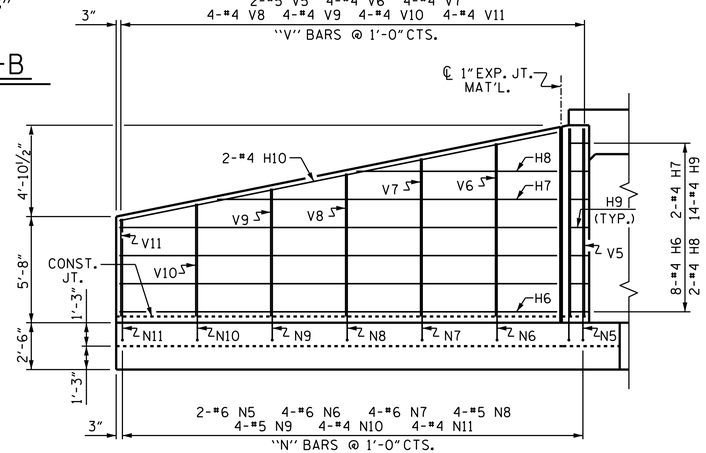
TYPICAL WING SECTION



ELEVATION W3

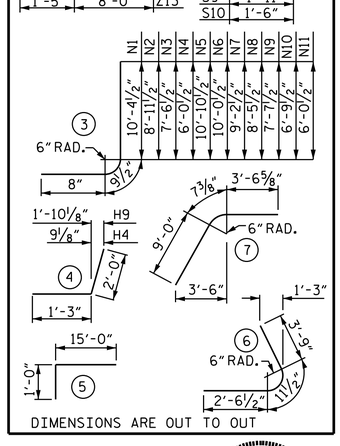


SECTION B-B



ELEVATION W4

BAR TYPES



DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

SHORT WING W3 (STAGE I PART B)

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
H1	8	#4	STR	8'-7"	46
H2	2	#4	STR	6'-8"	9
H3	2	#4	STR	3'-6"	5
H4	14	#4	4	3'-3"	30
H5	2	#4	STR	9'-6"	13
N1	2	#6	3	11'-10"	36
N2	3	#6	3	10'-5"	47
N3	3	#5	3	9'-0"	28
N4	3	#4	3	7'-6"	15
S1	3	#6	STR	6'-0"	27
T1	3	#5	STR	10'-6"	33
V1	2	#4	STR	9'-7"	13
V2	3	#4	STR	8'-1"	16
V3	3	#4	STR	6'-8"	13
V4	3	#4	STR	5'-3"	11
Z1	2	#5	1	6'-10"	14
Z2	3	#5	1	5'-9"	18
Z3	3	#5	1	4'-9"	15
Z4	3	#4	1	3'-8"	7

REINFORCING STEEL FOR 1 WING W3 (STAGE I PART B) 396 LBS.

CLASS A CONCRETE (STAGE I PART B)

1 WING	5.6 C.Y.
END CURTAIN WALL	1.9 C.Y.
TOTAL	7.5 C.Y.

LONG WING W4 (STAGE V)

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	2	#4	STR	10'-0"	13
C1	14	#6	STR	9'-0"	189
H6	8	#4	STR	23'-4"	125
H7	2	#4	STR	18'-1"	24
H8	2	#4	STR	10'-8"	14
H9	14	#4	4	3'-3"	30
H10	2	#4	STR	23'-10"	32
M1	5	#8	5	16'-0"	214
N5	2	#6	3	12'-4"	37
N6	4	#6	3	11'-6"	69
N7	4	#6	3	10'-8"	64
N8	4	#5	3	9'-11"	41
N9	4	#5	3	9'-1"	38
N10	4	#4	3	8'-3"	22
N11	4	#4	3	7'-6"	20
P1	2	#9	6	7'-3"	49
P2	2	#9	7	13'-2"	90
S2	1	#4	2	11'-9"	8
S3	1	#4	2	11'-1"	7
S4	1	#4	2	10'-5"	7
S5	1	#4	2	9'-9"	7
S6	1	#4	2	9'-1"	6
S7	1	#4	2	8'-5"	6
S8	1	#4	2	7'-9"	5
S9	1	#4	2	7'-1"	5
S10	1	#4	2	6'-3"	4
T2	2	#5	STR	25'-3"	53
T3	1	#5	STR	36'-7"	38
T4	1	#5	STR	13'-0"	14
V5	2	#5	STR	10'-0"	21
V6	4	#4	STR	9'-3"	25
V7	4	#4	STR	8'-5"	22
V8	4	#4	STR	7'-7"	20
V9	4	#4	STR	6'-9"	18
V10	4	#4	STR	6'-0"	16
V11	4	#4	STR	5'-2"	14
V12	2	#4	STR	4'-6"	6
V13	2	#4	STR	8'-9"	12
Z5	4	#4	1	3'-7"	10
Z6	4	#5	1	4'-4"	18
Z7	4	#6	1	5'-0"	30
Z8	4	#6	1	5'-8"	34
Z9	4	#8	1	6'-6"	69
Z10	4	#8	1	7'-1"	76
Z11	4	#10	1	8'-2"	141
Z12	4	#10	1	8'-9"	151
Z13	5	#10	1	9'-5"	203
Z14	4	#10	STR	9'-4"	160
Z15	5	#10	STR	9'-10"	212
Z16	5	#10	STR	9'-7"	206

REINFORCING STEEL FOR 1 WING W4 (STAGE V) 2,695 LBS.

CLASS A CONCRETE (STAGE V)

1 WING	19.5 C.Y.
END CURTAIN WALL	1.4 C.Y.
HEADWALL	1.7 C.Y.
TOTAL	22.6 C.Y.

PROJECT NO. B-4490

CUMBERLAND COUNTY

STATION: 19+26.42 -L-

SHEET 17 OF 18

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

OUTLET WINGS FOR CONCRETE BOX CULVERT

H = 9'-0" SLOPE = 2:1

150° SKEW

NORTH CAROLINA PROFESSIONAL SEAL 29441 ENGINEER KRISTY W. ALFORD

DocuSigned by: F2458389308F40E...

3/29/2016

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	C-17
1			3			TOTAL SHEETS
2			4			18

DRAWN BY : T.L. AVERETTE DATE : 07-15
CHECKED BY : J.P. ADAMS DATE : 08-15
DESIGN ENGINEER OF RECORD: T.L. AVERETTE DATE : 09-15

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

29-MAR-2016 09:21
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jpadams