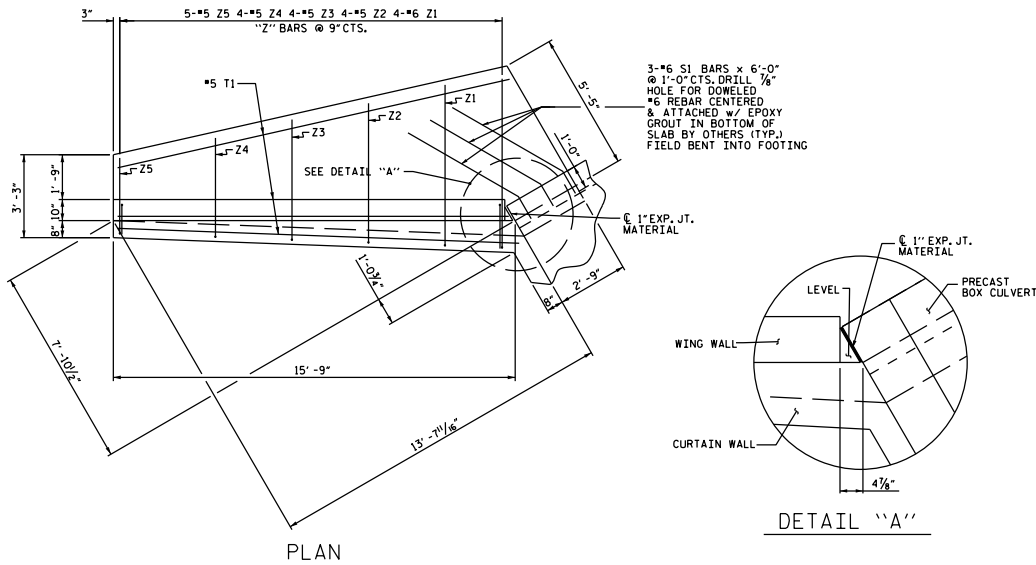
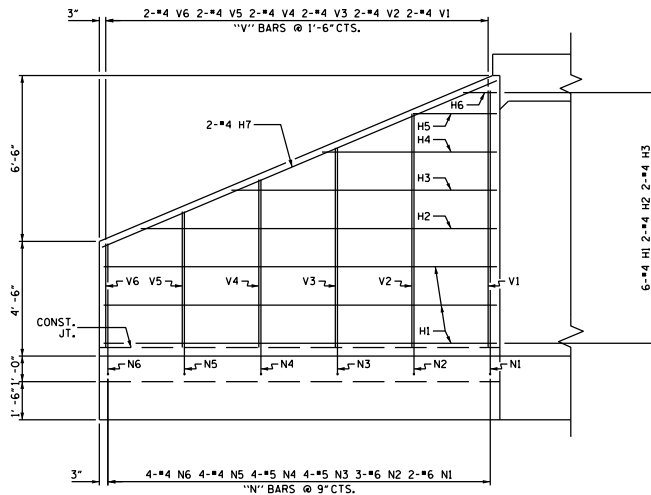


FIGURE 9 - 10

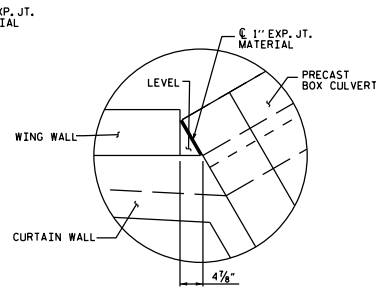


PLAN



ELEVATION

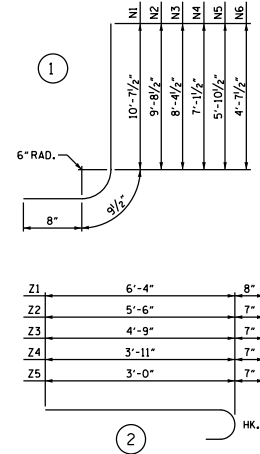
3-#6 S1 BARS x 6'-0"  
@ 1'-0"CTS, DRILL 7/8"  
HOLE FOR DOWELED  
#6 REBAR CENTERED  
& ATTACHED w/ EPOXY  
GROUT IN BOTTOM OF  
SLAB BY OTHERS (TYP.)  
FIELD BENT INTO FOOTING



DETAIL "A"

BAR TYPES

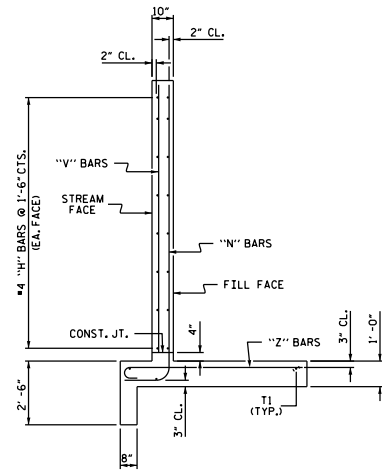
ALL BAR DIMENSIONS ARE OUT TO OUT.



BILL OF MATERIAL

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
H1	24	#4	STR	15'-0"	240
H2	8	#4	STR	13'-6"	72
H3	8	#4	STR	10'-0"	53
H4	8	#4	STR	6'-5"	34
H5	8	#4	STR	2'-10"	15
H6	8	#4	STR	1'-3"	7
H7	8	#4	STR	16'-3"	87
N1	8	#6	1	12'-1"	145
N2	12	#6	1	11'-2"	201
N3	16	#5	1	9'-10"	164
N4	16	#5	1	8'-7"	143
N5	16	#4	1	7'-4"	78
N6	16	#4	1	6'-1"	65
S1	12	#6	STR	6'-0"	108
T1	12	#5	STR	15'-9"	197
V1	8	#4	STR	10'-1"	54
V2	8	#4	STR	9'-2"	49
V3	8	#4	STR	7'-10"	42
V4	8	#4	STR	6'-7"	35
V5	8	#4	STR	5'-4"	29
V6	8	#4	STR	4'-1"	22
Z1	16	#6	2	7'-0"	168
Z2	16	#5	2	6'-1"	102
Z3	16	#5	2	5'-4"	89
Z4	16	#5	2	4'-6"	75
Z5	20	#5	2	3'-7"	75

REINFORCING STEEL FOR 4 WINGS	2349 LBS
CLASS A CONCRETE 4 WINGS	31.2 CY
2 HEADWALLS	CY
END CURTAIN WALLS	CY
TOTAL	CY



TYPICAL WING SECTION

PROJECT NO. EXAMPLE  
COUNTY  
STATION:

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH  
STANDARD WINGS  
FOR  
CONCRETE BOX CULVERT  
H = 10'-0" SLOPE = 2:1  
90° SKEW

ASSEMBLED BY :	DATE :
CHECKED BY :	DATE :
DRAWN BY : CCJ 10/99	
CHECKED BY : RWW 03/00	

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