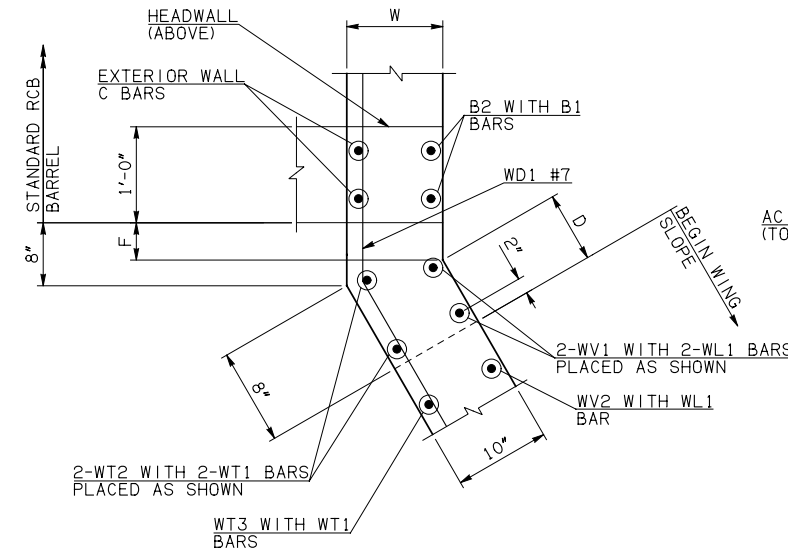
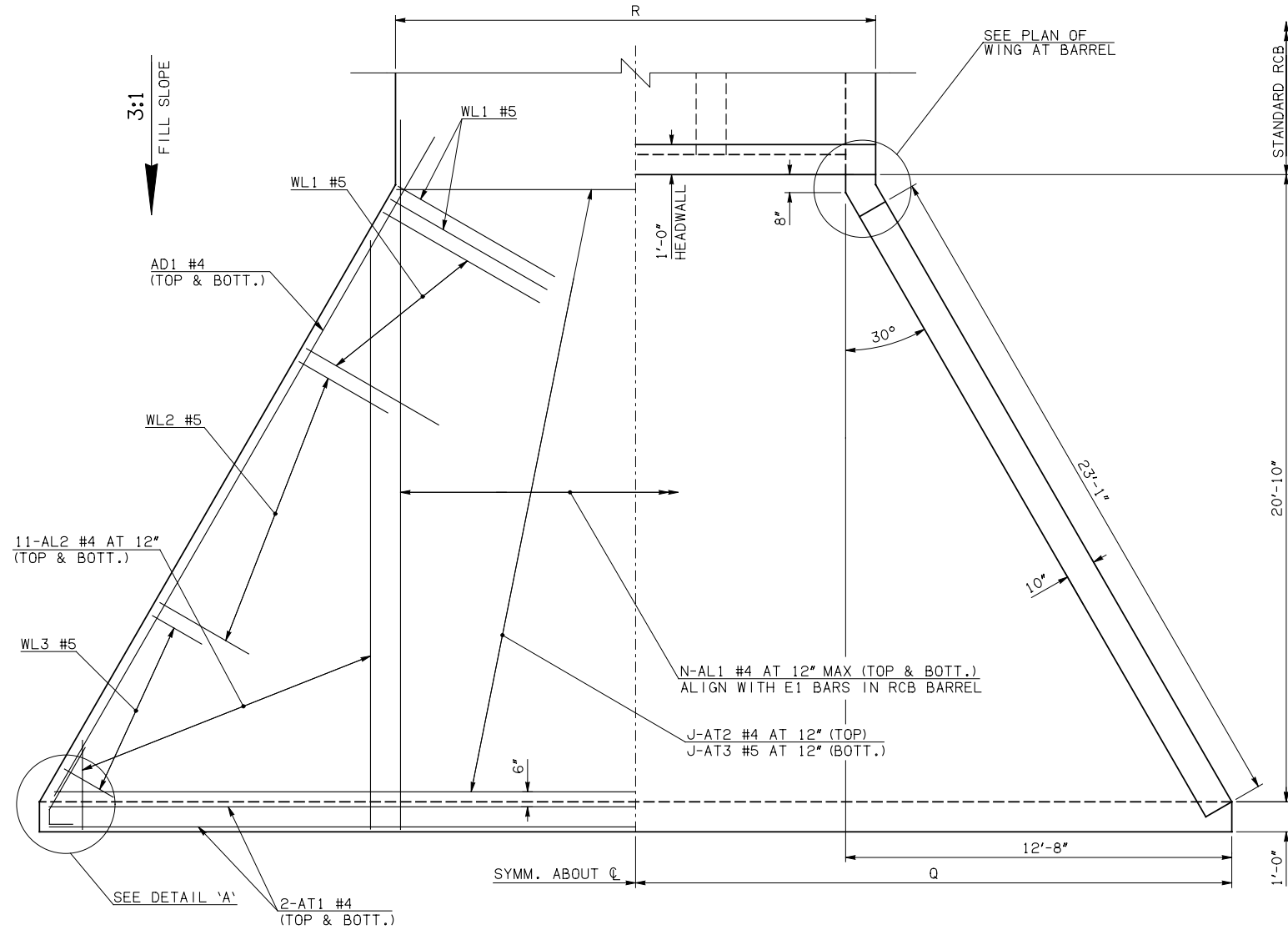


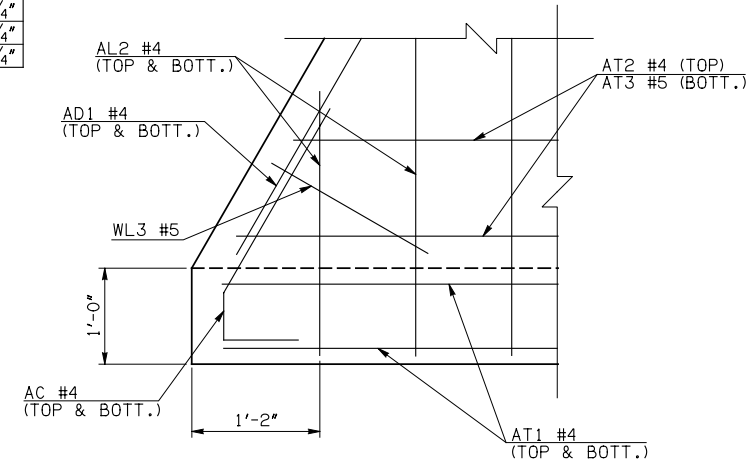
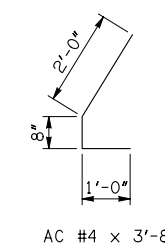
DESCRIPTION	REVISIONS	DATE

WINGWALL DIMENSIONS			
SPAN	W	D	F
5'	10"	5/4"	5/4"
6'	10"	5/4"	5/4"
8'	10"	5/4"	5/4"
10'	10"	5/4"	5/4"



PLAN OF WING AT BARREL

APRON VARIABLES						
SPAN	DIM. R	DIM. Q	QTY. J	QTY. N		
5'	18'-4"	21'-0"	21	23		
6'	21'-4"	22'-6"	21	26		
8'	27'-4"	25'-6"	21	32		
10'	33'-4"	28'-6"	21	38		



DETAIL 'A'

WINGWALL BAR LIST						
ONE WINGWALL SHOWN; TWO REQUIRED						
MARK	SIZE	QTY.	FORM	LENGTH	REMARKS	
WD1	#7	6	BNT	8'-4"		
WH1	#4	2	STR	23'-7"		
WH2	#4	12	STR	12'-2" AVG.	3'-6" TO 20'-10"	
WH3	#5	2	STR	23'-10"		
WL1	#5	13	BNT	7'-7"		
WL2	#5	7	BNT	4'-10"		
WL3	#5	10	BNT	4'-5" AVG.	3'-1" TO 5'-9"	
WT1	#4	15	STR	2'-10"		
WT2	#4	2	STR	7'-0"		
WT3	#4	13	STR	5'-1/2" AVG.	3'-5" TO 6'-10"	
WT4	#4	10	STR	2'-5" AVG.	1'-1" TO 3'-9"	
WV1	#5	2	STR	7'-0"		
WV2	#5	13	STR	5'-1/2" AVG.	3'-5" TO 6'-10"	
U1	#4	1	BNT	2'-4"		

- ① 4-SETS OF 11-AL2 BARS REQUIRED
- ② 2-SETS OF 6-WH2 BARS REQUIRED

APRON AND HEADWALL BAR LIST

ONE APRON AND ONE HEADWALL SHOWN														
MARK	SIZE	FORM	5' SPAN			6' SPAN			8' SPAN			10' SPAN		
			QTY.	LENGTH	REMARKS	QTY.	LENGTH	REMARKS	QTY.	LENGTH	REMARKS	QTY.	LENGTH	REMARKS
AC	#4	BNT	4	3'-8"		4	3'-8"		4	3'-8"		4	3'-8"	
AD1	#4	STR	4	25'-7"		4	25'-7"		4	25'-7"		4	25'-7"	
AL1	#4	STR	46	23'-8"		52	23'-8"		64	23'-8"		76	23'-8"	
AL2	#4	STR	44	11'-1/2" AVG.	2'-6" TO 19'-9"	44	11'-1/2" AVG.	2'-6" TO 19'-9"	44	11'-1/2" AVG.	2'-6" TO 19'-9"	44	11'-1/2" AVG.	2'-6" TO 19'-9"
AT1	#4	STR	4	41'-8"		4	44'-8"		4	50'-8"		4	56'-8"	
AT2	#4	STR	21	29'-7" AVG.	18'-0" TO 41'-2"	21	32'-7" AVG.	21'-0" TO 44'-2"	21	38'-7" AVG.	27'-0" TO 50'-2"	21	44'-7" AVG.	33'-0" TO 56'-2"
AT3	#5	STR	21	29'-7" AVG.	18'-0" TO 41'-2"	21	32'-7" AVG.	21'-0" TO 44'-2"	21	38'-7" AVG.	27'-0" TO 50'-2"	21	44'-7" AVG.	33'-0" TO 56'-2"
CH	#4	STR	4	18'-0"		4	21'-0"		4	27'-0"		4	33'-0"	
CL1	#4	BNT	23	4'-4"		26	4'-4"		32	4'-4"		38	4'-4"	
CL2	#4	BNT	23	4'-3"		26	4'-3"		32	4'-3"		38	4'-3"	

QUANTITIES

ITEM	UNIT	5' SPAN	6' SPAN	8' SPAN	10' SPAN
CLASS AA CONCRETE	CY	27.30	29.40	33.70	38.00
REINFORCING STEEL	LB	3850.00	4090.00	4590.00	5100.00

NOTE: QUANTITIES ABOVE ARE FOR ONE END SECTION, WHICH IS COMPRISED OF ONE HEADWALL, ONE APRON, AND TWO WINGWALLS. INCLUDED IN REINFORCING STEEL PAY ITEM QUANTITY IS THE WEIGHT OF ADDITIONAL RCB BARREL REINFORCING STEEL REQUIRED AS SHOWN.

APPROVED BY BRIDGE ENGINEER *Robert J. Nussler* DATE 4/09/09

OKLAHOMA DEPT. OF TRANSPORTATION
BRIDGE STANDARD (ENGLISH)
RCB CULVERTS - END SECTION DETAILS
TRIPLE CELL - 5'-0" HEIGHT - 0°
SHEET NO. 1 OF 2