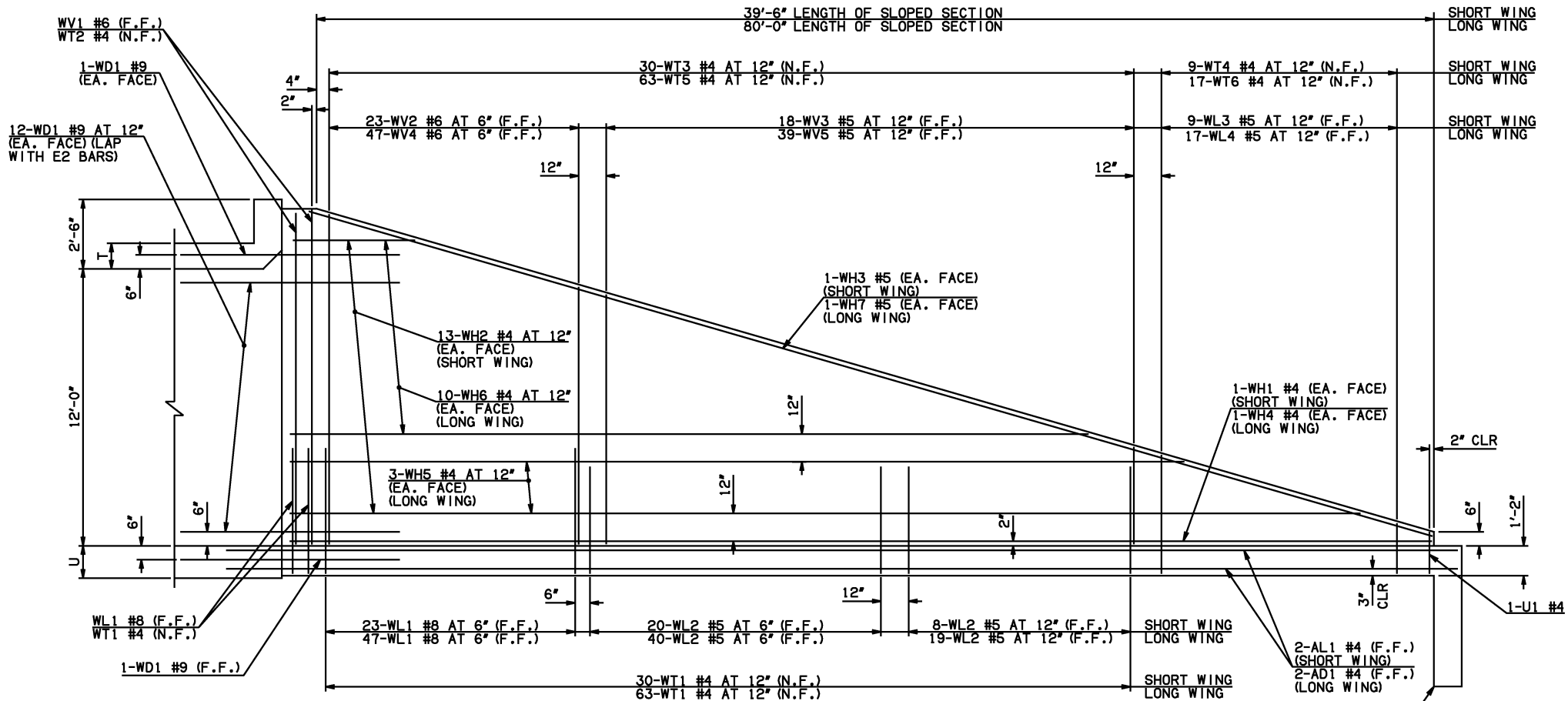
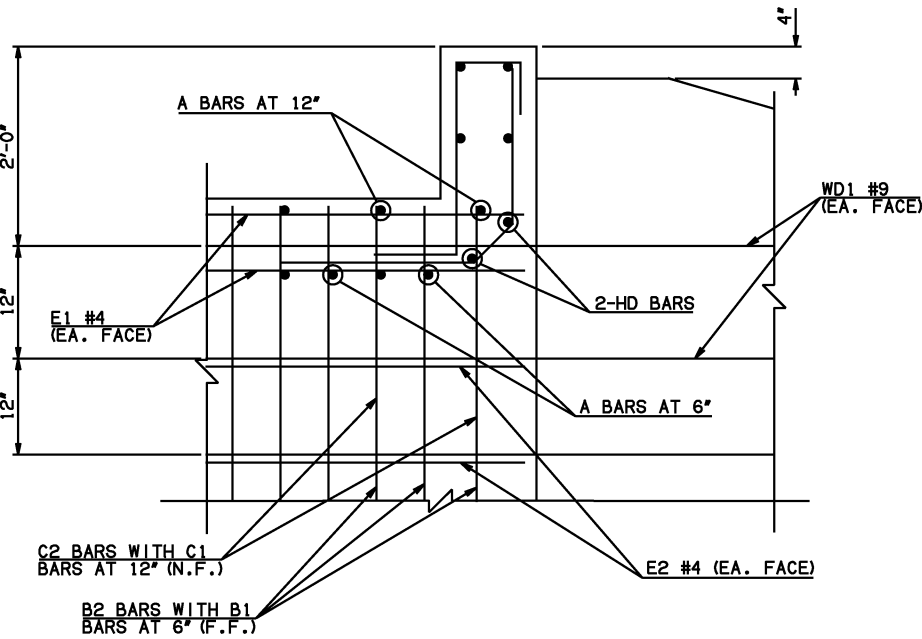


DESCRIPTION	REVISIONS	DATE



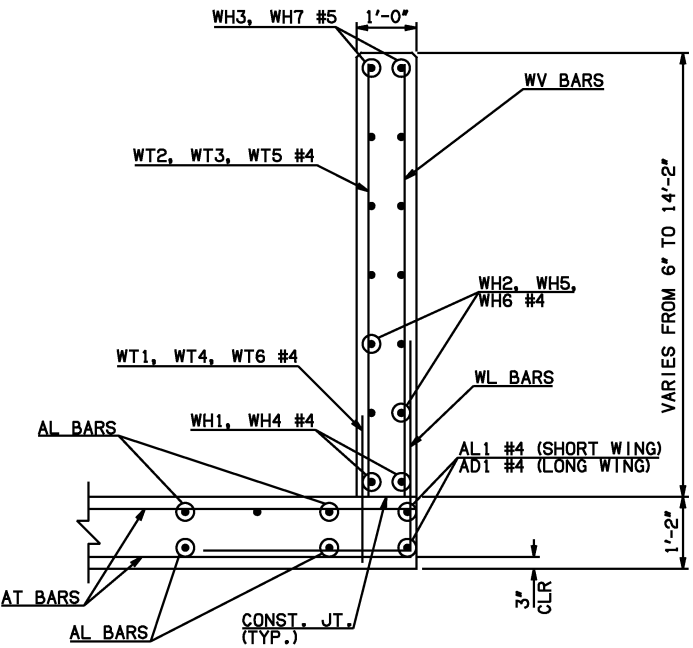
NOTE: F.F. = FAR FACE
N.F. = NEAR FACE

WING ELEVATION

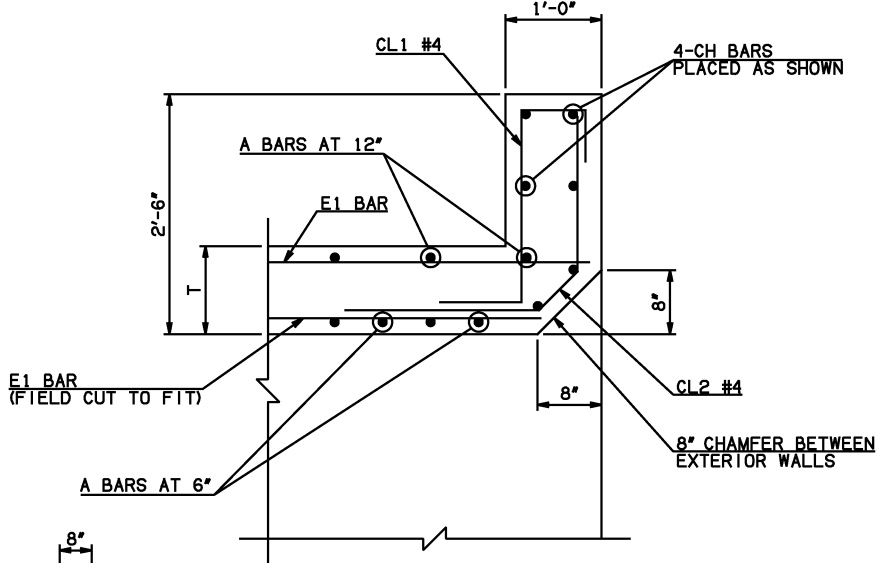
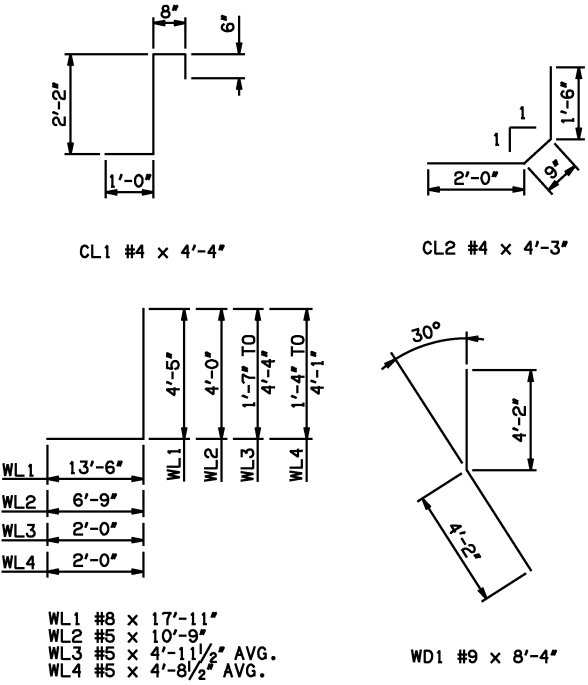


③ HEADWALL DETAIL AT EXTERIOR WALL

WINGWALL BAR LIST (LONG AND SHORT WING INCLUDED)					
MARK	SIZE	QTY.	FORM	LENGTH	REMARKS
WD1 #9	54	BNT	8'-4"		
WH1 #4	2	STR	40'-4"		
WH2 #4	26	STR	20'-7 1/2" AVG.	3'-3" TO 38'-0"	
WH3 #5	2	STR	41'-7"		
WH4 #4	2	STR	83'-4"		
WH5 #4	6	STR	72'-8 1/2" AVG.	66'-10" TO 78'-7"	
WH6 #4	20	STR	32'-2" AVG.	5'-10" TO 58'-6"	
WH7 #5	2	STR	83'-5"		
WL1 #8	74	BNT	17'-11"		
WL2 #5	87	BNT	10'-9"		
WL3 #5	9	BNT	4'-11 1/2" AVG.	3'-7" TO 6'-4"	
WL4 #5	17	BNT	4'-8 1/2" AVG.	3'-4" TO 6'-1"	
WT1 #4	98	STR	2'-10"		
WT2 #4	5	STR	14'-0"		
WT3 #4	30	STR	8'-10" AVG.	3'-10" TO 13'-10"	
WT4 #4	9	STR	2'-11 1/2" AVG.	1'-7" TO 4'-4"	
WT5 #4	63	STR	8'-7 1/2" AVG.	3'-4" TO 13'-11"	
WT6 #4	17	STR	2'-8 1/2" AVG.	1'-4" TO 4'-1"	
WV1 #6	4	STR	14'-0"		
WV2 #6	23	STR	11'-11" AVG.	10'-0" TO 13'-10"	
WV3 #5	18	STR	6'-9" AVG.	3'-10" TO 9'-8"	
WV4 #6	47	STR	11'-11 1/2" AVG.	10'-0" TO 13'-11"	
WV5 #5	39	STR	6'-7" AVG.	3'-4" TO 9'-10"	
U1 #4	2	BNT	3'-2"		



TYPICAL SECTION THRU WING



③ HEADWALL DETAIL AT MIDSPAN

NOTES:
① INCLUDES 2'-6" LAP
② QUANTITY SHOWN REPRESENTS TWO SETS.
③ FOR FURTHER INFORMATION REGARDING END SECTION BARS A, B, C, E1, AND E2, REFER TO RCB CULVERT - BARREL DETAILS.

HEADWALL BAR LIST

ONE HEADWALL SHOWN											
12' SPAN				14' SPAN				16' SPAN			
MARK	FORM	SIZE	QTY.	LENGTH	SIZE	QTY.	LENGTH	SIZE	QTY.	LENGTH	SIZE
CH	STR	#4	4	16'-4"	#4	4	18'-10"	#5	4	21'-9"	#5
CL1	BNT	#4	17	4'-4"	#4	19	4'-4"	#4	22	4'-4"	#4
CL2	BNT	#4	17	4'-3"	#4	19	4'-3"	#4	22	4'-3"	#4
HD	STR	#8	2	16'-4"	#8	2	18'-10"	#9	2	21'-9"	#9

APPROVED BY BRIDGE ENGINEER *Scott L. Smith* DATE 4/2/10

OKLAHOMA DEPT. OF TRANSPORTATION
BRIDGE STANDARD (ENGLISH)
 RCB CULVERTS - END SECTION DETAILS
 SINGLE CELL - 12'-0" HEIGHT - 30°
 SHEET NO. 3 OF 3

2009 SPECIFICATIONS RCB-E1-H12-30-3 01E B-692E