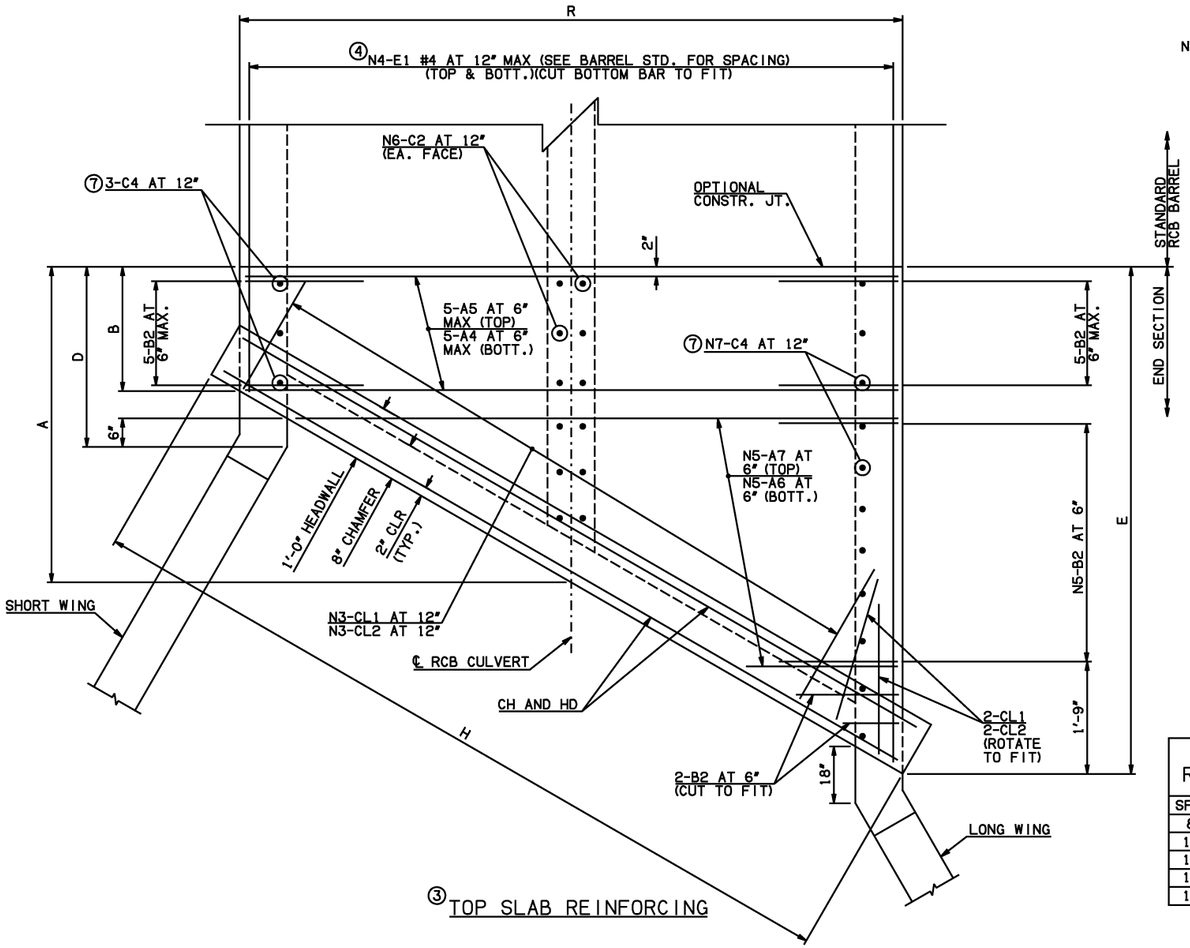
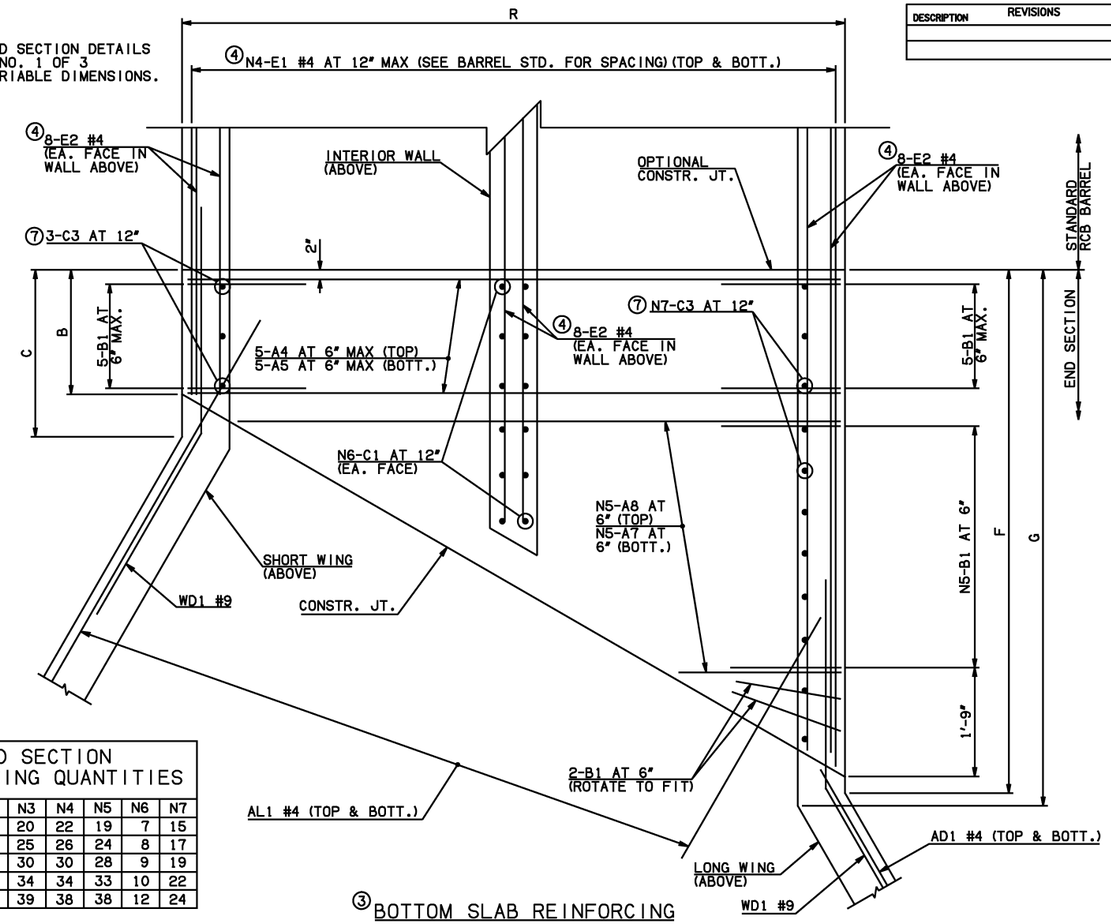


③TOP SLAB REINFORCING

NOTE: SEE END SECTION DETAILS
SHEET NO. 1 OF 3
FOR VARIABLE DIMENSIONS.

DESCRIPTION	REVISIONS	DATE



③BOTTOM SLAB REINFORCING

END SECTION REINFORCING QUANTITIES

SPAN	N1	N2	N3	N4	N5	N6	N7
8'	6	23	20	22	19	7	15
10'	9	20	25	26	24	8	17
12'	11	18	30	30	28	9	19
14'	14	15	34	34	33	10	22
16'	17	12	39	38	38	12	24

END CONNECTION BAR LIST

ONE END CONNECTION SHOWN

	MARK	FORM	8' SPAN				10' SPAN				12' SPAN				14' SPAN				16' SPAN			
			SIZE	QTY.	LENGTH	REMARKS	SIZE	QTY.	LENGTH	REMARKS	SIZE	QTY.	LENGTH	REMARKS	SIZE	QTY.	LENGTH	REMARKS	SIZE	QTY.	LENGTH	REMARKS
	A4	STR	#5	10	18'-8"		#5	10	22'-8"		#6	10	26'-8"		#7	10	30'-8"		#7	10	34'-10"	
	A5	STR	#7	10	18'-8"		#8	10	22'-8"		#9	10	26'-8"		#9	10	30'-8"		#9	10	34'-10"	
	A6	STR	#7	19	9'-1½" AVG.	1'-4" TO 16'-11"	#7	24	11'-3½" AVG.	1'-4" TO 21'-3"	#7	28	13'-0½" AVG.	1'-4" TO 24'-9"	#7	33	15'-2½" AVG.	1'-4" TO 29'-1"	#8	38	17'-4½" AVG.	1'-4" TO 33'-5"
②	A7	STR	#7	38	10'-3½" AVG.	2'-6" TO 18'-1"	#8	48	12'-5½" AVG.	2'-6" TO 22'-5"	#9	56	14'-2" AVG.	2'-6" TO 25'-10"	#9	66	16'-4" AVG.	2'-6" TO 30'-2"	#9	76	18'-6" AVG.	2'-6" TO 34'-6"
	A8	STR	#7	19	10'-3½" AVG.	2'-6" TO 18'-1"	#7	24	12'-5½" AVG.	2'-6" TO 22'-5"	#7	28	14'-2" AVG.	2'-6" TO 25'-10"	#7	33	16'-4" AVG.	2'-6" TO 30'-2"	#8	38	18'-6" AVG.	2'-6" TO 34'-6"
	B1	BNT	#4	31	4'-3"		#5	36	4'-9"		#5	40	4'-5"		#5	45	4'-8"		#6	50	5'-6"	
	B2	BNT	#4	31	10'-11"		#5	36	11'-1"		#5	40	10'-9"		#5	45	11'-0"		#6	50	11'-6"	
	C1	STR	#4	14	2'-2"		#4	16	2'-2"		#4	18	2'-3"		#4	20	2'-4"		#4	24	2'-5"	
	C2	STR	#4	14	8'-10"		#4	16	8'-10"		#4	18	8'-11"		#4	20	9'-0"		#4	24	9'-1"	
⑦	C3	STR	#4	18	2'-2"		#4	20	2'-2"		#4	22	2'-3"		#4	25	2'-4"		#4	27	2'-5"	
⑦	C4	STR	#4	18	8'-10"		#4	20	8'-10"		#4	22	8'-11"		#4	25	9'-0"		#4	27	9'-1"	
⑤	E1	STR	#4	88	7'-9½" AVG.	2'-5" TO 13'-2"	#4	104	8'-9½" AVG.	2'-3" TO 15'-4"	#4	120	9'-9½" AVG.	2'-1" TO 17'-6"	#4	136	10'-9" AVG.	1'-11" TO 19'-7"	#4	152	12'-9½" AVG.	2'-9" TO 22'-10"
⑥	E2	STR	#4	48	7'-4" AVG.	2'-5", 6'-10", 12'-9"	#4	48	8'-4" AVG.	2'-3", 7'-10", 14'-11"	#4	48	9'-4" AVG.	2'-1", 8'-10", 17'-1"	#4	48	10'-4" AVG.	1'-11", 9'-10", 19'-3"	#4	48	12'-4" AVG.	2'-9", 11'-10", 22'-5"

QUANTITIES

ITEM	UNIT	8' SPAN	10' SPAN	12' SPAN	14' SPAN	16' SPAN
CLASS AA CONCRETE	CY	86.10	96.50	109.20	123.30	144.20
REINFORCING STEEL	LB	12160.00	14890.00	17680.00	20460.00	25110.00

NOTE: QUANTITIES ABOVE ARE FOR ONE END SECTION, WHICH IS COMPRISED OF ONE END CONNECTION, ONE HEADWALL, ONE APRON, AND TWO WINGWALLS.

NOTES: ② QUANTITY SHOWN REPRESENTS TWO SETS.

③ FOR FURTHER INFORMATION REGARDING END SECTION A, B, C, AND E BARS REFER TO RCB CULVERT - BARREL DETAILS.

④ LENGTHS OF E1 & E2 BARS SHOWN ARE ADDITIONAL LENGTHS REQUIRED FOR THE END SECTION. LAP SPLICES, AS REQUIRED, SHALL BE IN ACCORDANCE WITH RCB BARREL STANDARD NOTES.

⑤ 4-SETS OF N4-E1 BARS REQUIRED.

⑥ 3-SETS OF 16-E2 BARS REQUIRED WITH LENGTHS AS SHOWN CORRESPONDING TO SHORT EXTERIOR WALL, INTERIOR WALL, AND LONG EXTERIOR WALL.

⑦ C3 AND C4 BAR SIZE AND SPACING MAY DIFFER FROM BARREL SECTION.

APPROVED BY BRIDGE ENGINEER [signature] DATE 4/2/10

OKLAHOMA DEPT. OF TRANSPORTATION
BRIDGE STANDARD (ENGLISH)

RCB CULVERTS - END SECTION DETAILS
DOUBLE CELL - 8'-0" HEIGHT - 30°
SHEET NO. 2 OF 3

2009 SPECIFICATIONS | RCB-E2-H8-30-2 | 01E
B-721E