

		END CONNECTION BAR LIST																				
	ONE END CONNECTION SHOWN																					
	MADI	FORM	12' SPAN				14' SPAN				16' SPAN				18' SPAN				20' SPAN			
	MARK	FORM	SIZE	QTY.	LENGTH	REMARKS	SIZE	QTY.	LENGTH	REMARKS	SIZE	QTY.	LENGTH	REMARKS	SIZE	QTY.	LENGTH	REMARKS	SIZE	QTY.	LENGTH	REMARKS
	A3	STR	#7	10	13'-8"		#7	10	15'-10"		#8	10	18'-0"		#9	10	20'-2"		#9	10	22'-2"	
	A4	STR	#4	6	13'-8"		#4	6	15'-10"		#4	6	18'-0"		#5	6	20'-2"		#5	6	22'-2"	
	A5	STR	#7	13	6'-61/2" AVG.	1'-4" TO 11'-9"	#7	16	7'-10" AVG.	1'-4" TO 14'-4"	#8	18	8'-81/2" AVG.	1'-4" TO 16'-1"	#9	21	10'-0" AVG.	1'-4" TO 18'-8"	#9	23	10'-101/2" AVG.	1'-4" TO 20'-5"
2	A6	STR	#4	14	7'-81/2" AVG.	2'-6" TO 12'-11"	#4	16	8'-61/2" AVG.	2'-6" TO 14'-7"	#4	18	9'-5" AVG.	2'-6" TO 16'-4"	#5	22	11'-2" AVG.	2'-6" TO 19'-10"	#5	24	12'-01/2" AVG.	2'-6" T0 21'-7"
	Α7	STR	#7	13	7'-81/2" AVG.	2'-6" TO 12'-11"	#7	16	9'-0" AVG.	2'-6" TO 15'-6"	#8	18	9'-101/2" AVG.	2'-6" TO 17'-3"	#9	21	11'-2" AVG.	2'-6" TO 19'-10"	#9	23	12'-01/2" AVG.	2'-6" TO 21'-7"
	B1	BNT	#6	25	6'-1"		#6	28	6'-5 "		#6	30	6'-8"		#7	33	7'-7"		#8	35	7'-11"	
	B2	BNT	#6	25	15'-0"		#6	28	15'-4"		#6	30	15'-7"		#7	33	15'-9"		#8	35	15'-8"	
	C 1	STR	#5	15	2'-7"		#4	16	2'-4"		#5	17	2'-11"		#4	19	2'-7"		#4	20	2'-8"	
	C2	STR	#5	15	11'-11"		#4	16	12'-0"		#5	17	12'-3"		#4	19	12'-3"		#4	20	12'-4"	
4	E1	STR	#4	64	6'-91/2" AVG.	2'-10" TO 10'-9"	#4	72	6'-9" AVG.	2'-2" TO 11'-4"	#4	80	7'-91/2" AVG.	2'-7" TO 13'-0"	#4	88	7'-9" AVG.	1'-11" TO 13'-7"	#4	96	8'-9" AVG.	2'-4" T0 15'-2"
6	E2	STR	#4	44	6'-7" AVG.	2'-10" AND 10'-4"	#4	44	6'-61/2" AVG.	2'-2" AND 10'-11"	#4	44	7'-61/2" AVG.	2'-7" AND 12'-6"	#4	44	7'-6" AVG.	1'-11" AND 13'-1"	#4	44	8'-6" AVG.	2'-4" AND 14'-8

QUANTITIES											
ITEM	UNIT	12' SPAN	14' SPAN	16' SPAN	18' SPAN	20' SPAN					
CLASS AA CONCRETE	CY	126.50	132.90	143.90	150.40	160.70					
REINFORCING STEEL	LB	16060.00	16690.00	17970.00	19830.00	21330.00					

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

- NOTES: @ 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.
 - 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 2-SETS OF 22-E2 BARS REQUIRED WITH LENGTHS AS SHOWN CORRESPONDING TO SHORT EXTERIOR WALL AND LONG EXTERIOR WALL.

APPROVED BY BRIDGE ENGINEER Level J. Musch DATE 4/09/09

OKLAHOMA DEPT. OF TRANSPORTATION

BRIDGE STANDARD (ENGLISH)

RCB CULVERTS - END SECTION DETAILS

SINGLE CELL - 11'-0" HEIGHT - 30°

SINGLE CELL - 11'-0" HEIGHT - 30°
SHEET NO. 2 OF 3

1999 SPECIFICATIONS RCB-E1-H11-30-2

00E B-688E