DESCRIPTION	REVISIONS	DATE

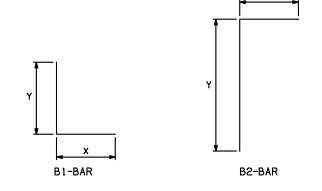
	SE	CTIC	ON																						RE I	NF0	RCIN	G STE	EL																							
	DIM	ENSI	ONS				A1-BA	RS *	:		A2-	-BARS			,	N3-BAR	s				В1	-BARS					Ва	2-BARS				C	1-BARS	i		C	2-BARS			C3-I	BARS			C4	4-BARS		_	E1-BAI T 12" I			E2-B/	ARS MAX.
S	н	Т	U	w	z	SIZE	LEN	GTH W	VEIGHT PER FT.	Z	SPA L	LENGTH	WE IC	R !	SPA SPA	LENGT	ГН 📗	EIGHT PER FT.	SIZE	<u>د</u> م	X*	"Y"	LENGTH	WEIGH PER FT.	12	SPA	*X*	#Y#	LENGT	WEI PE F1	ER	SIZE	LENGTH	WE I G	. 2	SPA	LENGTH	WEIGH PER FT.	SIZE	Ag LE	NGTH	WEIGH PER FT.			LENGTH	WEIGHT PER FT.			WEIGHT PER FT.	NO.	SIZE	WEIGHT PER FT.
20'	10'	18"	19"	15"	12"	#8 6	70′-	11"	757.4	#9	6"	33′-3″	452	.2 #	4 6"	18'-4	* 9	98.O	#6 (3" 3'	'∸2 "	3'-5 "	6'-7 "	39.6	· #6	6"	3'÷2 "	11'-4'	14'-6'	87	7.1	ŧ5 12 ″	2'-8"	11.	ľ #5	12"	11'-4"	47.3	#4	12" 2	2′÷8 ″	3.6	#4	12"	11'-4"	15.1	272	#4	181.7	80	#4	53.4
20'	11'	18"	19"	15"	12"	#8 6	70′-	11"	757.4	#9	6"	33'-4"	453	.3 #	4 6"	18'-4	" 9	98.0	#6 (3'	'-2"	3'-5 "	6'-7 "	39.6	#6	6"	3'-2"	12'-4'	15'-6'	93	3.1	ŧ5 12 "	2'-8"	11.	1 #5	12"	12'-4"	51.5	#4	12" 2	2′-8″	3.6	#4	12"	12'-4"	16.5	272	. #4	181.7	88	#4	58.8
20'	12'	18"	19"	15"	12"	#8 6	70′-	11"	757.4	#9	6"	33′-5 ″	454	.5 #	4 6"	18'-4	" 9	98.0	#7 (" 3'	'-2"	4'-2"	7′-4″	60.0	#7	6"	3'-2"	13'-4'	16'-6'	134	1.9	ŧ5 12 ″	2'-8"	11.	1 #5	12"	13'-4"	55.6	#5	12" 3	5'-0 "	6.3	#5	12"	13'-4"	27.8	272	#4	181.7	96	#4	64.1
20'	15'	18"	19"	15"	12"	#8 6	70'-	11"	757.4	#9	6"	33′-9″	459	.0 #	4 6"	18'-4	r (98.0	#7 (3'	'-5"	4'-2"	7'-7"	62.0	#7	6"	3'-5 "	16'-4'	19'-9'	161	.5	4 12"	2'-8"	7.	1 #4	12"	16'-4"	43.6	#5	6 " 3	3'-0 "	12.5	#5	6"	16'-4"	68.1	272	#4	181.7	120	#4	80.2
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CENTER CELL.

* INCLUDES A 6'-9" LAP SPLICE LENGTH. SPLICE MUST BE LOCATED WITHIN

TRANSV. CONSTR. JOINT

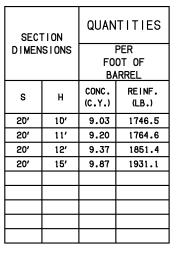
E-BARS



BAR BEND DIAGRAMS

BARREL SECTION

NOTE: ALL "X" DIMENSIONS ARE HORIZONTAL IN BARREL SECTION.
ALL "Y" DIMENSIONS ARE VERTICAL IN BARREL SECTION.



C4 -

A3 -

DESIGN DATA:

- 1. DESIGNED IN ACCORDANCE WITH 2007 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS AND INTERIM SPECIFICATIONS FROM 2008.
- 2. DESIGNED FOR HL-93 LOADING AND ODOT OVERLOAD TRUCK.

CONCRETE (CLASS AA) f'c = 4 KSI REINFORCING STEEL fy = 60 KSI

GENERAL NOTES:

- 1. ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2009 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
- 2. ALL CONCRETE EDGES SHALL HAVE A 1 1/2" CHAMFER UNLESS OTHERWISE SHOWN OR NOTED. ALL CHAMFER STRIPS SHALL BE SIZED LUMBER.
- ALL REINFORCING STEEL SHALL HAVE A 2" MINIMUM CLEAR COVER UNLESS OTHERWISE SHOWN.
- THE QUANTITY FOR REINFORCING STEEL DOES NOT INCLUDE LAP SPLICES OF E1-BARS OR E2-BARS IN THE LENGTH OF THE BARREL OR AT TRANSVERSE CONSTRUCTION JOINTS. THE SPLICE LENGTH FOR E-BARS SHALL BE 24" MINIMUM. THE NUMBER OF SPLICES USED IS TO BE APPROVED BY THE ENGINEER. REINFORCING STEEL FOR SPLICES SHALL NOT BE MEASURED FOR PAYMENT, AND ALL COSTS WILL BE INCLUDED IN THE UNIT BID PRICE FOR REINFORCING STEEL.
- TRANSVERSE CONSTRUCTION JOINTS SHALL BE PLACED IN ALL CULVERTS 100 FT. OR MORE IN LENGTH. JOINTS SHALL BE SPACED AT 60 FT. MAX.
- 6. REINFORCING STEEL SHALL BE CONTINUOUS THROUGH THE TRANSVERSE CONSTRUCTION JOINT AND EXTEND A MIN. OF 24" INTO ADJACENT SECTION.

	BASIS OF PAYMENT	
ITEM NO.	ITEM	UNIT
509.06 (A)	CLASS AA CONCRETE	C.Y.
511.06 (A)	REINFORCING STEEL	LB.

NOTE: NUMBER AND SPACING OF E-BARS SHOWN MAY NOT BE REPRESENTATIVE OF ACTUAL CULVERT SECTIONS, SEE SCHEDULE ABOVE FOR NUMBER AND SPACING OF E-BARS.

-CONST. JT. (TYP)

> DATE 4/2/10 APPROVED BY BRIDGE ENGINEER recents OKLAHOMA DEPT. OF TRANSPORTATION

BRIDGE STANDARD (ENGLISH) RCB CULVERTS - BARREL DETAILS 20'-0" SPAN - TRIPLE CELL

2 FT. TO 8 FT. FILL

RCB-C3-20(2-8)

02E B-562E

2009 SPECIFICATIONS