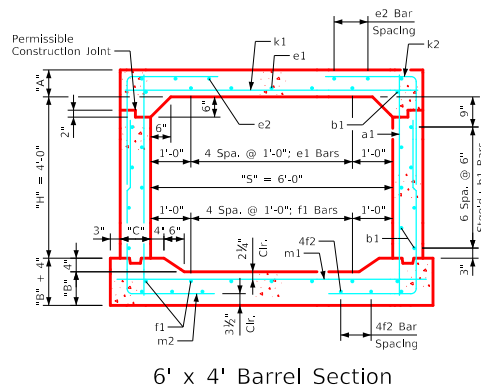
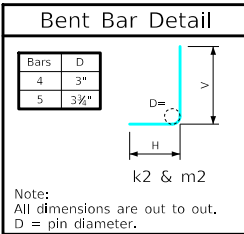


Variable Dimensions and Quantities for 6' x 4' Barrel Sections

Dimensions										Bar List																			Quantities																				
Fill	S	H	A	B	C	D	a1		b1		e1		e2		f1		f2		k1			k2			k9		m1		m2			Concrete (CY/FT)				Steel (LB/FT)													
0	6	4	10.5	10	9	9	Size	Sp.	L	Size	Sp.	No.	Size	Sp.	No.	Size	Sp.	No.	Size	Sp.	L	Size	Sp.	L	Size	Sp.	L	Size	Sp.	L	Size	Sp.	L	Slab	Floor	Walls	Total												
1	6	4	9	10	9	9	4	9	5'-6"	4	6	16	4	12	5	4	15	6	4	12	7	4	13	6	4	6	7'-2"	5	12	6'-4"	3'-3"	3'-2"	5	7'-2"	4	6	7'-8"	5	12	7'-0"	2'-9"	4'-3"	4	7'-8"	0.275	0.284	0.202	0.761	92.03
2	6	4	8	10	9	9	4	9	5'-5"	4	6	16	4	12	5	4	11	6	4	12	7	4	11	6	4	6	7'-2"	5	12	5'-7"	2'-6"	3'-1"	5	7'-2"	4	6	7'-8"	5	12	6'-8"	2'-5"	4'-3"	5	7'-8"	0.218	0.284	0.202	0.704	84.68
3	6	4	8	10	9	9	4	9	5'-5"	4	6	16	4	12	5	4	10	6	4	12	7	4	10	6	4	6	7'-2"	5	12	5'-4"	2'-3"	3'-1"	5	7'-2"	4	6	7'-8"	5	12	6'-6"	2'-3"	4'-3"	5	7'-8"	0.218	0.284	0.202	0.704	83.74
4-6	6	4	8	10	9	9	4	9	5'-5"	4	6	16	4	12	5	4	10	6	4	12	7	4	9	6	4	6	7'-2"	5	12	5'-4"	2'-3"	3'-1"	5	7'-2"	4	6	7'-8"	5	12	6'-5"	2'-2"	4'-3"	5	7'-8"	0.218	0.284	0.202	0.704	83.55
7-10	6	4	8	10	9	9	4	9	5'-5"	4	6	16	4	12	5	4	10	6	4	12	7	4	18	4	4	6	7'-2"	5	12	5'-4"	2'-3"	3'-1"	5	7'-2"	4	6	7'-8"	5	12	6'-4"	2'-1"	4'-3"	5	7'-8"	0.218	0.284	0.202	0.704	82.05
11-15	6	4	8	10	9	9	4	9	5'-5"	4	6	16	4	12	5	4	10	6	4	12	7	4	18	4	4	6	7'-2"	5	12	5'-4"	2'-3"	3'-1"	5	7'-2"	6	9	7'-8"	5	12	6'-4"	2'-1"	4'-3"	5	7'-8"	0.218	0.284	0.202	0.704	87.74
16-20	6	4	8	10	9	9	4	12	5'-5"	4	6	16	4	12	5	4	17	4	4	12	7	4	16	4	5	6	7'-2"	4	6	4'-9"	2'-0"	2'-9"	4	7'-2"	5	6	7'-8"	4	6	6'-2"	1'-11"	4'-3"	4	7'-8"	0.218	0.284	0.202	0.704	92.74
21-25	6	4	8	10	9	9	5	12	5'-5"	4	6	16	4	12	5	4	17	4	4	12	7	4	16	4	7	9	7'-2"	4	6	4'-9"	2'-0"	2'-9"	4	7'-2"	6	6	7'-8"	4	6	6'-2"	1'-11"	4'-3"	4	7'-8"	0.218	0.284	0.202	0.704	109.32
26-30	6	4	8.5	11	9	6	4	6	5'-6"	4	6	16	4	12	5	4	17	4	4	12	7	4	15	4	6	6	7'-2"	4	6	4'-9"	2'-0"	2'-9"	4	7'-2"	6	6	7'-8"	4	6	6'-2"	1'-10"	4'-4"	4	7'-8"	0.229	0.308	0.202	0.739	113.79
31-35	6	4	9.5	12	9	6	4	6	5'-8"	4	6	16	4	12	5	4	16	4	4	12	7	4	16	4	6	6	7'-2"	4	6	4'-9"	1'-11"	2'-10"	4	7'-2"	6	6	7'-8"	4	6	6'-4"	1'-11"	4'-5"	4	7'-8"	0.252	0.333	0.202	0.787	114.71
36-40	6	4	10.5	12.5	9	9	5	12	5'-10"	4	6	16	4	12	5	4	16	4	4	12	7	4	16	4	8	9	7'-2"	4	6	4'-10"	1'-11"	2'-11"	4	7'-2"	8	9	7'-8"	4	6	6'-5"	1'-11"	4'-6"	4	7'-8"	0.275	0.345	0.202	0.822	122.56
41-45	6	4	11	13	9	6	4	6	5'-11"	4	6	16	4	12	5	4	15	4	4	12	7	4	16	4	8	9	7'-2"	4	6	4'-10"	1'-10"	3'-0"	4	7'-2"	7	6	7'-8"	4	6	6'-5"	1'-11"	4'-6"	4	7'-8"	0.287	0.358	0.202	0.847	129.11
46-50	6	4	11.5	14	9	6	4	6	6'-0"	4	6	16	4	12	5	4	16	4	4	12	7	4	16	4	7	6	7'-2"	4	6	4'-11"	1'-11"	3'-0"	4	7'-2"	7	6	7'-8"	4	6	6'-6"	1'-11"	4'-7"	4	7'-8"	0.299	0.382	0.202	0.883	132.79
51-55	6	4	12	14.5	9	6	4	6	6'-1"	4	6	16	4	12	5	4	16	4	4	12	7	4	17	4	7	6	7'-2"	4	6	4'-11"	1'-11"	3'-0"	4	7'-2"	7	6	7'-8"	4	6	6'-8"	2'-0"	4'-8"	4	7'-8"	0.310	0.395	0.202	0.907	133.47



- Notes:**
- Dimensions listed on this sheet to be used in conjunction with Sheet RCB G3-20.
 - The k2 and m2 bars horizontal legs may lap in low fill situations.
 - Fill dimensions "S" and "H" are in feet.
 - Dimensions "A", "B", "C", "D", and "Sp." listed in the bar list are in inches.
 - Dimensions "L", "H", "V" are in feet and inches.

LATEST REVISION DATE	APPROVED BY BRIDGE ENGINEER	Standard Design Single Reinforced Concrete Box Culverts July, 2020	
		Culvert Barrel Details 6' x 4' Barrel Sections	RCB 6-4-20
		6' x 4' Barrel Sections	

ENGLISHLRFDDESIGNEDSINGLECULVERTS.DGN - RCB 6-4-20 - THIS SHEET ISSUED 07-2020.