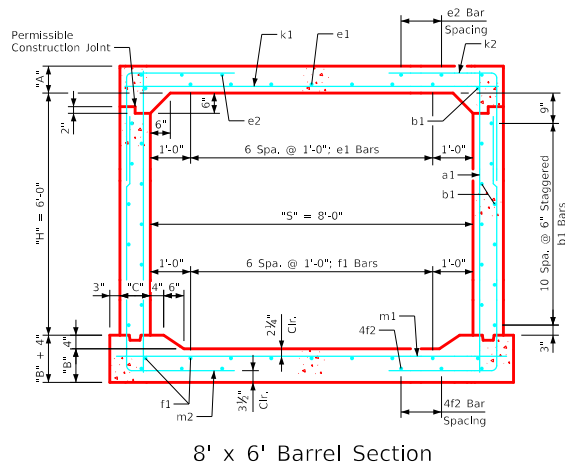
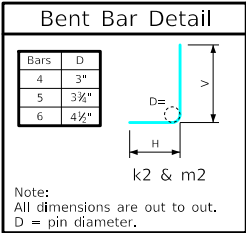


Variable Dimensions and Quantities for 8' x 6' Barrel Sections

Dimensions										Bar List																		Quantities																					
Fill	S	H	A	B	C	D	a1		b1		e1		e2		f1		f2		k1			k2			k9		m1		m2			m9				Concrete (CY/FT)				Steel (LB/FT)									
							Size	Sp.	L	Size	Sp.	No.	Size	Sp.	No.	Size	Sp.	No.	Size	Sp.	L	Size	Sp.	L	H	V	Size	L	Size	Sp.	L	Size	Sp.	L	H	V	Size	L	Slab	Floor	Walls	Total							
0	8	6	12.5	11	9	9	4	9	7'-10	4	6	24	5	12	7	4	13	8	4	12	9	4	17	6	6	9	9'-2	4	6	8'-6	5'-5	3'-1	-	-	6	9	9'-8	4	6	9'-9	3'-5	6'-4	4	9'-8	0.399	0.376	0.313	1.088	141.61
1	8	6	10.5	10.5	9	9	4	9	7'-8	4	6	24	5	12	7	4	13	8	4	12	9	4	16	6	6	9	9'-2	4	6	8'-4	5'-5	2'-11	-	-	5	6	9'-8	4	6	9'-8	3'-4	6'-4	4	9'-8	0.340	0.361	0.313	1.014	140.76
2	8	6	8	10	9	9	5	12	7'-5	4	6	24	5	12	7	4	15	6	4	12	9	4	14	6	5	6	9'-2	4	6	6'-4	3'-2	3'-2	4	9'-2	5	6	9'-8	4	6	9'-2	2'-11	6'-3	4	9'-8	0.267	0.345	0.313	0.925	135.32
3	8	6	8	10	9	9	4	9	7'-5	4	6	24	4	12	7	4	13	6	4	12	9	4	13	6	6	9	9'-2	4	6	5'-8	2'-10	2'-10	4	9'-2	5	6	9'-8	4	6	9'-0	2'-9	6'-3	4	9'-8	0.267	0.345	0.313	0.925	127.71
4-7	8	6	8	10	9	9	4	12	7'-5	4	6	24	4	12	7	4	13	6	4	12	9	4	12	6	6	9	9'-2	4	6	5'-6	2'-9	2'-9	4	9'-2	5	6	9'-8	4	6	8'-11	2'-8	6'-3	4	9'-8	0.267	0.345	0.313	0.925	123.89
8-10	8	6	8	10	9	9	4	9	7'-5	4	6	24	4	12	7	4	13	6	4	12	9	4	11	6	6	9	9'-2	4	6	5'-6	2'-9	2'-9	4	9'-2	5	6	9'-8	4	6	8'-8	2'-5	6'-3	4	9'-8	0.267	0.345	0.313	0.925	126.82
11-15	8	6	8	10	9	6	4	6	7'-5	4	6	24	4	12	7	4	11	6	4	12	9	4	11	6	6	6	9'-2	5	9	5'-6	2'-5	3'-1	5	9'-2	6	6	9'-8	5	9	8'-8	2'-5	6'-3	5	9'-8	0.267	0.345	0.313	0.925	153.79
16-20	8	6	8.5	11	9	9	4	12	7'-6	4	6	24	4	12	7	4	10	6	4	12	9	4	10	6	7	6	9'-2	5	6	5'-6	2'-4	3'-2	5	9'-2	7	6	9'-8	5	6	8'-7	2'-3	6'-4	5	9'-8	0.282	0.376	0.313	0.971	183.26
21-25	8	6	10	12.5	9	9	4	12	7'-9	4	6	24	4	12	7	4	9	6	4	12	9	4	10	6	7	6	9'-2	5	6	5'-5	2'-2	3'-3	5	9'-2	7	6	9'-8	5	6	8'-9	2'-3	6'-6	5	9'-8	0.326	0.422	0.313	1.061	183.95
26-30	8	6	11	13.5	9	9	4	12	7'-11	4	6	24	4	12	7	4	10	6	4	12	9	4	10	6	7	6	9'-2	5	6	5'-7	2'-3	3'-4	5	9'-2	7	6	9'-8	5	6	8'-10	2'-3	6'-7	5	9'-8	0.355	0.453	0.313	1.121	185.24
31-35	8	6	12.5	15	9	6	4	6	8'-2	4	6	24	4	12	7	4	11	6	4	12	9	4	11	6	7	6	9'-2	6	12	6'-4	2'-5	3'-11	6	9'-2	7	6	9'-8	6	12	9'-1	2'-5	6'-8	6	9'-8	0.399	0.500	0.313	1.212	185.71
36-40	8	6	13.5	16	9.5	9	4	12	8'-4	4	6	24	4	12	7	4	10	6	4	12	9	4	10	6	9	9	9'-3	5	6	5'-11	2'-4	3'-7	5	9'-3	9	9	9'-9	5	6	9'-2	2'-5	6'-9	5	9'-9	0.433	0.536	0.330	1.299	200.71
41-45	8	6	14.5	16.5	10.5	9	4	9	8'-6	4	6	24	4	12	7	4	10	6	4	12	9	4	11	6	9	9	9'-5	5	6	6'-1	2'-6	3'-7	5	9'-5	8	6	9'-11	5	6	9'-5	2'-7	6'-10	5	9'-11	0.473	0.560	0.366	1.399	214.58
46-50	8	6	15	17.5	10.5	9	4	9	8'-7	4	6	24	4	12	7	4	11	6	4	12	9	4	11	6	8	6	9'-5	5	6	6'-4	2'-8	3'-8	5	9'-5	8	6	9'-11	5	6	9'-6	2'-7	6'-11	5	9'-11	0.488	0.592	0.366	1.446	222.42
51-55	8	6	16	18.5	11	9	4	9	8'-9	4	6	24	4	12	7	4	12	6	4	12	9	4	11	6	8	6	9'-6	5	6	6'-6	2'-9	3'-9	5	9'-6	8	6	10'-0	5	6	9'-8	2'-8	7'-0	5	10'-0	0.523	0.629	0.383	1.535	225.03



- 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 8' x 6' Barrel Sections	RCB 8-6-20

ENGLISHLRFDDESIGNEDSINGLECULVERTS.DGN - RCB 8-6-20 - THIS SHEET ISSUED 07-2020.