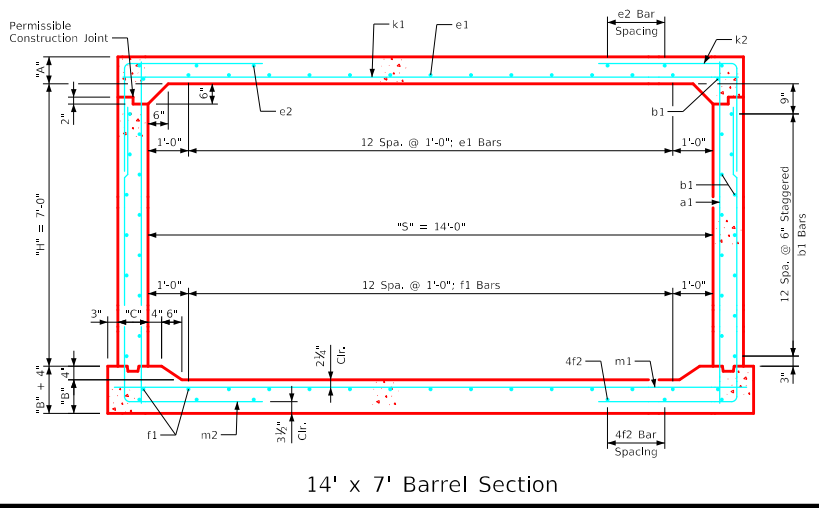
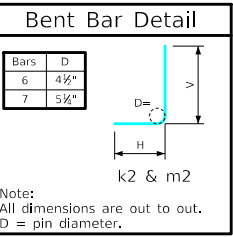


Variable Dimensions and Quantities for 14' x 7' Barrel Sections

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	Size	L	Slab	Floor	Walls	Total									
0	14	7	14	14	9	9	4	9	9'-3	4	6	28	5	12	13	4	13	8	4	12	15	4	13	8	6	6	15'-2	6	9	8'-0	4'-0	4'-0	6	15'-2	7	9	15'-8	6	9	11'-7	4'-0	7'-7	6	15'-8	0.702	0.728	0.368	1.798	244.39
1	14	7	13.5	14	9	9	4	9	9'-2	4	6	28	5	12	13	4	13	8	4	12	15	4	13	8	6	6	15'-2	6	9	8'-0	4'-0	4'-0	6	15'-2	7	9	15'-8	6	9	11'-7	4'-0	7'-7	6	15'-8	0.678	0.728	0.368	1.774	244.26
2	14	7	9	10.5	9	9	4	12	8'-6	4	6	28	6	12	13	4	13	8	4	12	15	4	14	8	7	6	15'-2	6	6	8'-0	4'-0	4'-0	6	15'-2	7	6	15'-8	6	6	11'-5	4'-1	7'-4	6	15'-8	0.463	0.555	0.368	1.386	318.39
3-5	14	7	8.5	10.5	9	9	4	12	8'-6	4	6	28	4	12	13	4	13	8	4	12	15	4	13	8	7	6	15'-2	6	6	7'-10	3'-11	3'-11	6	15'-2	7	6	15'-8	6	6	11'-3	3'-11	7'-4	6	15'-8	0.439	0.555	0.368	1.362	305.63
6-8	14	7	10	12.5	9	9	4	12	8'-9	4	6	28	4	12	13	4	17	6	4	12	15	4	16	6	7	6	15'-2	7	9	7'-6	3'-6	4'-0	7	15'-2	8	6	15'-8	7	9	10'-10	3'-4	7'-6	7	15'-8	0.511	0.654	0.368	1.533	312.45
9-10	14	7	10	12.5	9	9	4	12	8'-9	4	6	28	4	12	13	4	12	8	4	12	15	4	15	6	8	6	15'-2	6	6	7'-4	3'-8	3'-8	6	15'-2	8	6	15'-8	6	6	10'-8	3'-2	7'-6	6	15'-8	0.511	0.654	0.368	1.533	337.16
11-13	14	7	11.5	14.5	9	9	4	12	9'-1	4	6	28	4	12	13	4	14	6	4	12	15	4	13	6	8	6	15'-2	6	6	6'-8	2'-11	3'-9	6	15'-2	8	6	15'-8	6	6	10'-5	2'-9	7'-8	6	15'-8	0.583	0.753	0.368	1.704	330.71
14-16	14	7	12.5	15	9.5	9	4	12	9'-2	4	6	28	4	12	13	4	13	6	4	12	15	4	13	6	8	6	15'-3	6	6	6'-9	2'-10	3'-11	6	15'-3	9	6	15'-9	6	6	10'-6	2'-10	7'-8	6	15'-9	0.635	0.782	0.389	1.806	356.05



- 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	RCB 14-7-20
		Culvert Barrel Details 14' x 7' Barrel Sections	

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