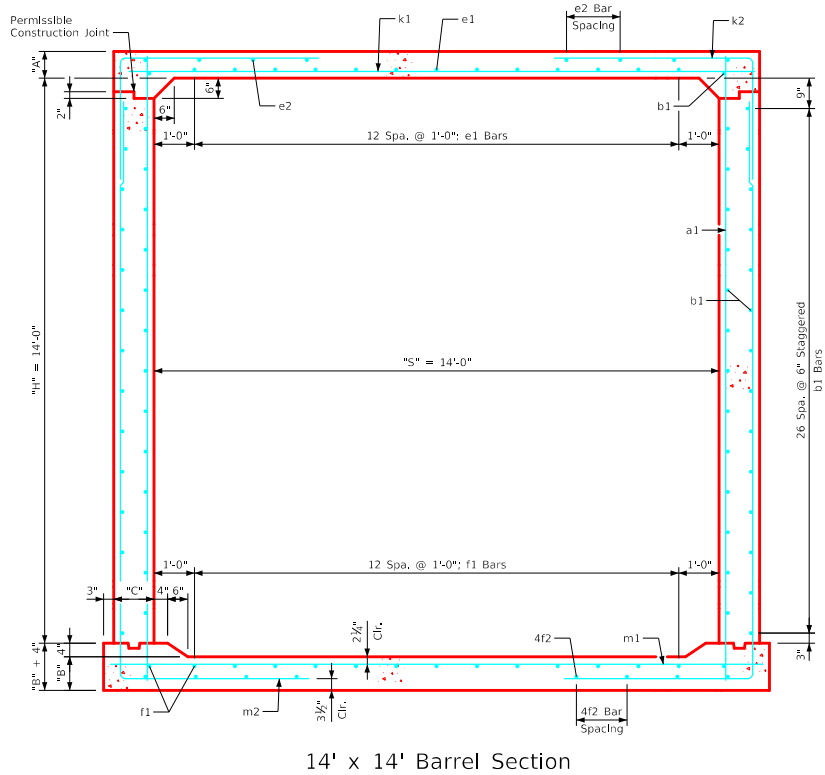
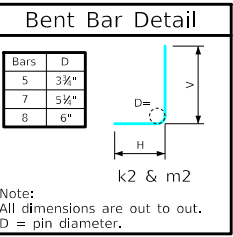


Variable Dimensions and Quantities for 14' x 14' Barrel Sections

Dimensions										Bar List																		Quantities																					
Fill	S	H	A	B	C	D	a1		b1			e1			e2			f1		f2		k2				k9		m1		m2				m9			Concrete (CY/FT)				Steel (LB/FT)								
0	1	2	3-5	6-8	9-10	11-13	14-16	Size	Sp.	L	Size	Sp.	No.	Size	Sp.	No.	Size	Sp.	No.	Size	Sp.	No.	Size	Sp.	L	Size	Sp.	L	Size	Sp.	L	Size	Sp.	L	Size	Sp.	L	Size	Sp.	L	Slab	Floor	Walls	Total					
0	14	14	14	15	14	9	5	12	16'-4"	4	6	56	5	12	13	4	15	12	4	12	15	4	15	12	7	9	16'-0"	8	12	14'-4"	9'-7"	4'-9"	-	-	6	6	16'-6"	8	12	24'-3"	9'-7"	14'-8"	-	-	0.726	0.799	1.178	2.703	390.55
1	14	14	13.5	14.5	14	9	6	9	16'-3"	4	6	56	5	12	13	4	15	12	4	12	15	4	15	12	7	9	16'-0"	5	6	12'-6"	9'-0"	3'-6"	-	-	6	6	16'-6"	5	6	23'-8"	9'-0"	14'-8"	-	-	0.499	0.617	1.178	2.294	489.32
2	14	14	9	11	14	9	5	12	15'-7"	4	6	56	6	12	13	4	14	12	4	12	15	4	14	10	7	6	16'-0"	8	9	11'-6"	7'-2"	4'-4"	8	16'-0"	7	6	16'-6"	8	9	20'-2"	5'-10"	14'-4"	8	16'-6"	0.474	0.591	1.178	2.243	482.47
3-5	14	14	8.5	10.5	14	9	5	12	15'-6"	4	6	56	4	12	13	4	14	10	4	12	15	4	17	8	7	6	16'-0"	7	6	9'-9"	5'-10"	3'-11"	7	16'-0"	7	6	16'-6"	7	6	19'-8"	5'-4"	14'-4"	7	16'-6"	0.499	0.669	1.178	2.346	470.47
6-8	14	14	9	12	14	9	4	9	15'-8"	4	6	56	4	12	13	4	16	8	4	12	15	4	16	8	7	6	16'-0"	7	6	9'-2"	5'-2"	4'-0"	7	16'-0"	7	6	16'-6"	7	6	19'-7"	5'-2"	14'-5"	7	16'-6"	0.549	0.695	1.178	2.422	488.82
9-10	14	14	10	12.5	14	9	4	9	15'-9"	4	6	56	4	12	13	4	16	8	4	12	15	4	15	8	7	6	16'-0"	7	6	9'-0"	5'-0"	4'-0"	7	16'-0"	8	6	16'-6"	7	6	19'-5"	4'-11"	14'-6"	7	16'-6"	0.625	0.773	1.178	2.576	510.92
11-13	14	14	11.5	14	14	9	4	9	16'-0"	4	6	56	4	12	13	4	15	8	4	12	15	4	15	8	8	6	16'-0"	7	6	9'-1"	4'-11"	4'-2"	7	16'-0"	8	6	16'-6"	7	6	19'-6"	4'-11"	14'-7"	7	16'-6"	0.675	0.851	1.178	2.704	499.82
14-16	14	14	12.5	15.5	14	9	5	12	16'-3"	4	6	56	4	12	13	4	15	8	4	12	15	4	15	8	8	6	16'-0"	8	9	9'-8"	4'-10"	4'-10"	8	16'-0"	8	6	16'-6"	8	9	19'-8"	4'-11"	14'-9"	8	16'-6"	0.675	0.851	1.178	2.704	499.82



- 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 14' x 14' Barrel Sections
		RCB 14-14-20