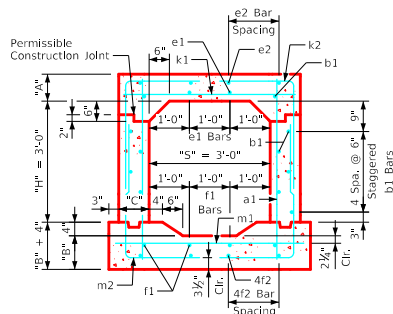
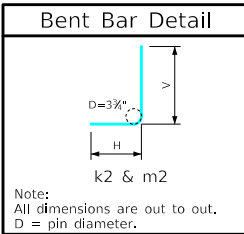


Variable Dimensions and Quantities for 3' x 3' Barrel Sections

Dimensions										Bar List																		Quantities																					
Fill	S	H	A	B	C	D	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	Steel (LB/FT)											
0	3	3	9	10	9	9	4	9	4'-6	4	6	12	4	12	2	4	9	4	4	12	4	4	9	4	4	6	4'-2	5	12	6'-4	3'-2	3'-2	-	-	4	9	4'-8	5	12	6'-6	3'-3	3'-3	-	-	0.157	0.191	0.146	0.494	64.18
1	3	3	8	10	9	9	4	9	4'-5	4	6	12	4	12	2	4	9	4	4	12	4	4	9	4	4	9	4'-2	5	12	6'-2	3'-1	3'-1	-	-	4	9	4'-8	5	12	6'-6	3'-3	3'-3	-	-	0.144	0.191	0.146	0.481	61.89
2	3	3	8	10	9	9	4	9	4'-5	4	6	12	4	12	2	4	9	4	4	12	4	4	9	4	4	9	4'-2	5	12	6'-2	3'-1	3'-1	-	-	4	9	4'-8	5	12	5'-7	2'-4	3'-3	-	-	0.144	0.191	0.146	0.481	59.84
3-5	3	3	8	10	9	9	4	9	4'-5	4	6	12	4	12	2	4	9	4	4	12	4	4	9	4	4	12	4'-2	5	12	5'-4	2'-4	3'-1	-	-	4	12	4'-8	5	12	5'-4	2'-1	3'-3	-	-	0.144	0.191	0.146	0.481	55.71
6-8	3	3	8	10	9	9	4	9	4'-5	4	6	12	4	12	2	4	9	4	4	12	4	4	9	4	4	12	4'-2	5	12	5'-4	2'-3	3'-1	-	-	4	12	4'-8	5	12	5'-4	2'-1	3'-3	-	-	0.144	0.191	0.146	0.481	55.53
9-10	3	3	8	10	9	9	4	9	4'-5	4	6	12	4	12	2	4	9	4	4	12	4	4	9	4	4	12	4'-2	5	12	5'-4	2'-3	3'-1	-	-	4	12	4'-8	5	12	5'-4	2'-1	3'-3	-	-	0.144	0.191	0.146	0.481	55.53
11-15	3	3	8	10	9	9	4	9	4'-5	4	6	12	4	12	2	4	9	4	4	12	4	4	9	4	4	12	4'-2	5	12	5'-4	2'-3	3'-1	-	-	4	12	4'-8	5	12	5'-4	2'-1	3'-3	-	-	0.144	0.191	0.146	0.481	55.53
16-20	3	3	8	10	9	9	4	9	4'-5	4	6	12	4	12	2	4	9	4	4	12	4	4	9	4	4	12	4'-2	5	12	5'-4	2'-3	3'-1	-	-	4	9	4'-8	5	12	5'-4	2'-1	3'-3	-	-	0.144	0.191	0.146	0.481	57.39
21-25	3	3	8	10	9	9	4	9	4'-5	4	6	12	4	12	2	4	9	4	4	12	4	4	9	4	4	12	4'-2	5	12	5'-4	2'-3	3'-1	-	-	5	12	4'-8	5	12	5'-4	2'-1	3'-3	-	-	0.144	0.191	0.146	0.481	58.32
26-30	3	3	8	10	9	9	4	9	4'-5	4	6	12	4	12	2	4	9	4	4	12	4	4	9	4	4	12	4'-2	5	12	5'-4	2'-3	3'-1	-	-	4	6	4'-8	5	12	5'-4	2'-1	3'-3	-	-	0.144	0.191	0.146	0.481	59.37
31-35	3	3	8	10	9	9	4	9	4'-5	4	6	12	4	12	2	4	9	4	4	12	4	4	9	4	4	6	4'-2	5	12	5'-4	2'-3	3'-1	-	-	4	6	4'-8	5	12	5'-4	2'-1	3'-3	-	-	0.144	0.191	0.146	0.481	61.11
36-40	3	3	8	10	9	9	4	9	4'-5	4	6	12	4	12	2	4	9	4	4	12	4	4	9	4	4	6	4'-2	5	12	5'-4	2'-3	3'-1	-	-	4	6	4'-8	5	12	5'-4	2'-1	3'-3	-	-	0.144	0.191	0.146	0.481	61.11
41-45	3	3	8	10	9	9	4	9	4'-5	4	6	12	4	12	2	4	9	4	4	12	4	4	9	4	4	6	4'-2	5	12	5'-4	2'-3	3'-1	-	-	4	6	4'-8	5	12	5'-4	2'-1	3'-3	-	-	0.144	0.191	0.146	0.481	61.11
46-50	3	3	8	10	9	9	4	9	4'-5	4	6	12	4	12	2	4	9	4	4	12	4	4	9	4	6	9	4'-2	5	12	5'-4	2'-3	3'-1	-	-	6	9	4'-8	5	12	5'-4	2'-1	3'-3	-	-	0.144	0.191	0.146	0.481	67.66
51-55	3	3	8	10	9	9	4	9	4'-5	4	6	12	4	12	2	4	9	4	4	12	4	4	9	4	6	9	4'-2	5	12	5'-4	2'-3	3'-1	-	-	6	9	4'-8	5	12	5'-4	2'-1	3'-3	-	-	0.144	0.191	0.146	0.481	67.66



3' x 3' Barrel Section

- Notes:**
1. Dimensions listed on this sheet to be used in conjunction with Sheet RCB G3-20.
 2. The k2 and m2 bars horizontal legs may lap in low fill situations.
 3. Fill, dimensions "S" and "H" are in feet.
 4. Dimensions "A", "B", "C", "D", and "Sp." listed in the bar list are in inches.
 5. 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 3' x 3' Barrel Sections	RCB 3-3-20

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