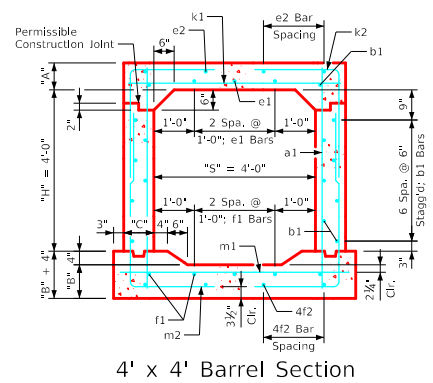
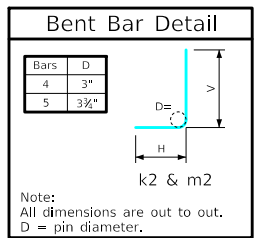


### Variable Dimensions and Quantities for 4' x 4' Barrel Sections

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.	No.	Size	Sp.	L	Size	Sp.	L	Size	Sp.	L	Size	Sp.	L	Slab	Floor	Walls	Total	Steel (LB/FT)											
0	4	4	10	10	9	9	4	9	5'-7	4	6	16	4	12	3	4	15	4	4	12	5	4	15	4	4	6	5'-2	5	12	7'-2	3'-7	3'-7	-	-	5	12	5'-8	5	12	7'-5	3'-2	4'-3	-	-	0.202	0.222	0.202	0.626	77.39
1	4	4	8	10	9	9	4	9	5'-5	4	6	16	4	12	3	4	15	4	4	12	5	4	15	4	4	6	5'-2	5	12	6'-8	3'-7	3'-1	-	-	5	12	5'-8	5	12	7'-0	3'-7	4'-3	-	-	0.168	0.222	0.202	0.592	76.92
2	4	4	8	10	9	9	4	9	5'-5	4	6	16	4	12	3	4	15	4	4	12	5	4	15	4	4	9	5'-2	5	12	6'-8	3'-7	3'-1	-	-	5	12	5'-8	5	12	7'-0	2'-9	4'-3	-	-	0.168	0.222	0.202	0.592	72.87
3-5	4	4	8	10	9	9	4	9	5'-5	4	6	16	4	12	3	4	10	6	4	12	5	4	9	6	4	12	5'-2	5	12	5'-4	2'-3	3'-1	5	5'-2	4	9	5'-8	5	12	6'-5	2'-2	4'-3	5	5'-8	0.168	0.222	0.202	0.592	69.63
6-8	4	4	8	10	9	9	4	9	5'-5	4	6	16	4	12	3	4	10	6	4	12	5	4	18	4	4	9	5'-2	5	12	5'-4	2'-3	3'-1	5	5'-2	4	9	5'-8	5	12	6'-4	2'-1	4'-3	5	5'-8	0.168	0.222	0.202	0.592	69.21
9-10	4	4	8	10	9	9	4	9	5'-5	4	6	16	4	12	3	4	10	6	4	12	5	4	18	4	4	12	5'-2	5	12	5'-4	2'-3	3'-1	5	5'-2	4	9	5'-8	5	12	6'-4	2'-1	4'-3	5	5'-8	0.168	0.222	0.202	0.592	68.13
11-15	4	4	8	10	9	9	4	9	5'-5	4	6	16	4	12	3	4	10	6	4	12	5	4	18	4	4	9	5'-2	5	12	5'-4	2'-3	3'-1	5	5'-2	4	6	5'-8	5	12	6'-4	2'-1	4'-3	5	5'-8	0.168	0.222	0.202	0.592	71.58
16-20	4	4	8	10	9	9	4	9	5'-5	4	6	16	4	12	3	4	10	6	4	12	5	4	18	4	4	6	5'-2	5	12	5'-4	2'-3	3'-1	5	5'-2	4	6	5'-8	5	12	6'-4	2'-1	4'-3	5	5'-8	0.168	0.222	0.202	0.592	73.76
21-25	4	4	8	10	9	9	4	9	5'-5	4	6	16	4	12	3	4	10	6	4	12	5	4	18	4	4	6	5'-2	5	12	5'-4	2'-3	3'-1	5	5'-2	4	6	5'-8	5	12	6'-4	2'-1	4'-3	5	5'-8	0.168	0.222	0.202	0.592	73.76
26-30	4	4	8	10	9	9	4	9	5'-5	4	6	16	4	12	3	4	10	6	4	12	5	4	18	4	4	6	5'-2	5	12	5'-4	2'-3	3'-1	5	5'-2	6	9	5'-8	5	12	6'-4	2'-1	4'-3	5	5'-8	0.168	0.222	0.202	0.592	77.97
31-35	4	4	8	10	9	9	4	9	5'-5	4	6	16	4	12	3	4	10	6	4	12	5	4	18	4	6	9	5'-2	5	12	5'-4	2'-3	3'-1	5	5'-2	6	9	5'-8	5	12	6'-4	2'-1	4'-3	5	5'-8	0.168	0.222	0.202	0.592	81.79
36-40	4	4	8	10	9	9	4	9	5'-5	4	6	16	4	12	3	4	10	6	4	12	5	4	18	4	6	9	5'-2	5	12	5'-4	2'-3	3'-1	5	5'-2	5	6	5'-8	5	12	6'-4	2'-1	4'-3	5	5'-8	0.168	0.222	0.202	0.592	81.89
41-45	4	4	8	10	9	9	4	12	5'-5	4	6	16	4	12	3	4	17	4	4	12	5	4	15	4	5	6	5'-2	4	6	4'-9	2'-0	2'-9	4	5'-2	5	6	5'-8	4	6	6'-1	1'-10	4'-3	4	5'-8	0.168	0.222	0.202	0.592	81.26
46-50	4	4	8	10.5	9	6	4	6	5'-5	4	6	16	4	12	3	4	17	4	4	12	5	4	15	4	7	9	5'-2	4	6	4'-8	2'-0	2'-8	4	5'-2	7	9	5'-8	4	6	6'-2	1'-10	4'-4	4	5'-8	0.168	0.231	0.202	0.601	96.29
51-55	4	4	8	10.5	9	6	4	6	5'-5	4	6	16	4	12	3	4	17	4	4	12	5	4	15	4	6	6	5'-2	4	6	4'-8	2'-0	2'-8	4	5'-2	6	6	5'-8	4	6	6'-2	1'-10	4'-4	4	5'-8	0.168	0.231	0.202	0.601	98.37



- 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 <b>Single Reinforced Concrete Box Culverts</b> July, 2020
Culvert Barrel Details 4' x 4' Barrel Sections		RCB 4-4-20

ENGLISH\FRDSIGNEDSINGLECULVERTS.DGN - RCB 4-4-20 - THIS SHEET ISSUED 07-2020.