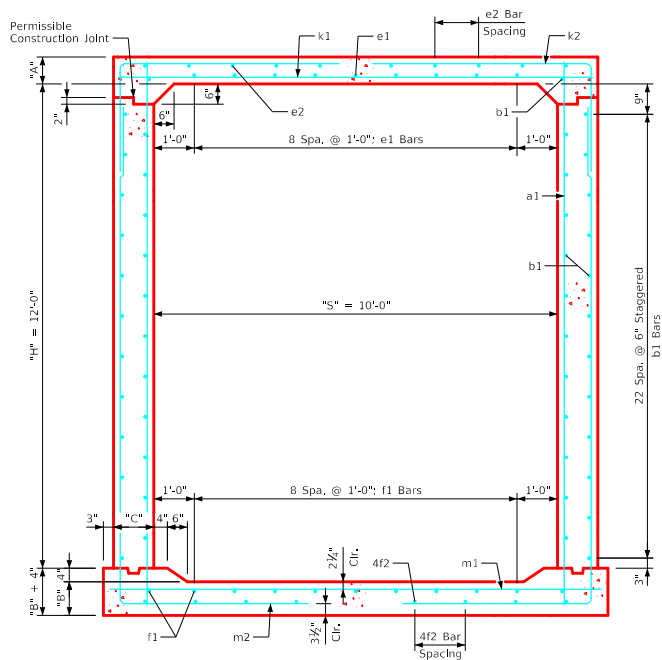
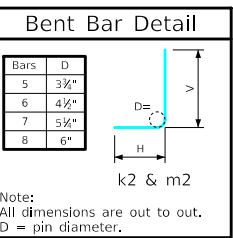


### Variable Dimensions and Quantities for 10' x 12' Barrel Sections

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	Slee											
0	10	12	12.5	13	12	9	4	9	14'-0	4	6	48	4	12	9	4	17	8	4	12	11	4	17	8	5	6	11'-8	6	9	11'-0	7'-1	3'-11	-	-	7	9	12'-2	6	9	19'-7	7'-1	12'-6	-	-	0.503	0.543	0.862	1.908	268.18
1	10	12	12	12.5	12	9	5	12	13'-11	4	6	48	4	12	9	4	17	8	4	12	11	4	17	8	6	9	11'-8	6	9	10'-11	7'-1	3'-10	-	-	7	9	12'-2	6	9	19'-7	7'-1	12'-6	-	-	0.485	0.523	0.862	1.870	272.32
2	10	12	8	10	12	9	4	9	13'-5	4	6	48	5	12	9	4	17	8	4	12	11	4	14	10	6	6	11'-8	7	9	11'-2	7'-3	3'-11	-	-	6	6	12'-2	7	9	17'-10	5'-7	12'-3	7	12'-2	0.336	0.427	0.862	1.625	323.55
3	10	12	8	10	12	6	4	6	13'-5	4	6	48	4	12	9	4	17	8	4	12	11	4	16	8	7	9	11'-8	5	6	9'-11	6'-10	3'-1	-	-	6	6	12'-2	5	6	17'-2	4'-11	12'-3	5	12'-2	0.336	0.427	0.862	1.625	276.87
4-8	10	12	8	10	12	6	4	6	13'-5	4	6	48	4	12	9	4	14	10	4	12	11	4	16	8	6	6	11'-8	7	9	9'-7	5'-8	3'-11	7	11'-8	6	6	12'-2	7	9	17'-1	4'-10	12'-3	7	12'-2	0.336	0.427	0.862	1.625	319.92
9-10	10	12	8	10.5	12	9	5	12	13'-5	4	6	48	4	12	9	4	13	8	4	12	11	4	13	8	6	6	11'-8	6	6	7'-8	4'-2	3'-6	6	11'-8	7	6	12'-2	6	6	16'-6	4'-2	12'-4	6	12'-2	0.336	0.446	0.862	1.644	319.21
11-15	10	12	9	11	12	9	4	9	13'-7	4	6	48	4	12	9	4	12	8	4	12	11	4	12	8	8	9	11'-8	6	6	7'-10	3'-11	3'-11	6	11'-8	7	6	12'-2	6	6	16'-3	3'-11	12'-4	6	12'-2	0.373	0.466	0.862	1.701	322.32
16-20	10	12	10.5	13.5	13	9	5	12	13'-11	4	6	48	4	12	9	4	18	6	4	12	11	4	12	8	7	6	11'-10	6	6	7'-10	3'-11	3'-11	6	11'-10	7	6	12'-4	6	6	16'-7	4'-0	12'-7	6	12'-4	0.437	0.571	0.934	1.942	334.71
21-25	10	12	12.5	15	14.5	6	4	6	14'-2	4	6	48	4	12	9	4	12	8	4	12	11	4	12	8	7	6	12'-1	7	9	8'-6	4'-3	4'-3	7	12'-1	7	6	12'-7	7	9	16'-10	4'-2	12'-8	7	12'-7	0.526	0.644	1.041	2.211	342.68
26-30	10	12	13.5	16.5	16	6	4	6	14'-5	4	6	48	4	12	9	4	17	6	4	12	11	4	12	8	7	6	12'-4	6	6	8'-2	4'-1	4'-1	6	12'-4	9	9	12'-10	6	6	17'-1	4'-3	12'-10	6	12'-10	0.578	0.720	1.148	2.446	360.47
31-35	10	12	15.5	18	17	9	6	9	14'-8	4	6	48	4	12	9	4	13	8	4	12	11	4	12	8	9	9	12'-6	7	9	9'-0	4'-6	4'-6	7	12'-6	9	9	13'-0	7	9	17'-4	4'-5	12'-11	7	13'-0	0.667	0.792	1.220	2.679	388.55
36-40	10	12	16.5	19.5	18	9	6	9	14'-11	4	6	48	4	12	9	4	13	8	4	12	11	4	13	8	9	9	12'-8	7	9	9'-2	4'-7	4'-7	7	12'-8	8	6	13'-2	7	9	17'-8	4'-7	13'-1	7	13'-2	0.718	0.866	1.291	2.875	402.84
41-45	10	12	17.5	20.5	19.5	9	8	12	15'-1	4	6	48	4	12	9	4	14	8	4	12	11	4	13	8	8	6	12'-11	8	12	10'-0	5'-0	5'-0	8	12'-11	8	6	13'-5	8	12	17'-11	4'-9	13'-2	8	13'-5	0.775	0.927	1.398	3.100	445.29
46-50	10	12	19	22	21	6	4	6	15'-4	4	6	48	4	12	9	4	14	8	5	12	11	4	13	8	8	6	13'-2	8	9	10'-4	5'-2	5'-2	8	13'-2	8	6	13'-8	8	9	18'-2	4'-11	13'-3	8	13'-8	0.855	1.010	1.506	3.371	461.89
51-55	10	12	20	23	22	9	8	12	15'-6	5	6	48	4	12	9	4	14	8	5	12	11	4	13	8	8	6	13'-4	8	12	10'-6	5'-3	5'-3	8	13'-4	8	6	13'-10	8	12	18'-4	5'-0	13'-4	8	13'-10	0.909	1.067	1.577	3.553	479.39



- 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		RCB 10-12-20
10' x 12' Barrel Sections		

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