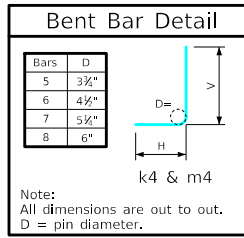


Variable Dimensions and Quantities for Triple 12' x 12' Barrel Sections

Dimensions																	Bar List																																								
Fill	S	H	A	B	C	D	E	R	T	U	W	X	Z	a1			a2			b1		b2		e1		e2		f1		f2		k1		k2		k3		k4		k6		k7															
														Size	Sp.	L	Size	Sp.	L	Size	Sp.	No.	Size	Sp.	No.	Size	Sp.	No.	Size	Sp.	No.	Size	Sp.	No.	Size	Sp.	No.	Size	Sp.	No.	Size	Sp.	No.	Size	Sp.	No.	Size	Sp.	No.	Size	Sp.	No.					
0	12	12	14	12	12	9	9	0'-0	0'-0	7'-9	2'-7	4'-6	4'-4	4	12	14'-1	7	9	14'-1	4	6	48	4	6	50	4	12	33	4	17	30	4	12	39	4	17	30	6	18	39'-8	6	18	13'-4	5	18	13'-0	6	9	12'-0	8'-0	4'-0	5	18	39'-8	6	18	15'-6
1	12	12	13	11.5	12	9	9	0'-10	0'-6	7'-9	2'-8	5'-3	4'-3	5	12	13'-11	7	9	13'-11	4	6	48	4	6	50	4	12	33	4	17	30	4	12	39	4	17	30	6	18	39'-8	6	18	12'-10	5	18	11'-4	6	9	11'-11	8'-0	3'-11	5	18	39'-8	6	18	15'-6
2	12	12	10	10	12	9	9	2'-5	2'-0	6'-6	3'-5	5'-3	4'-3	4	12	13'-7	7	9	13'-7	4	6	48	4	6	50	4	12	33	4	17	30	4	12	39	4	17	30	6	12	39'-8	5	12	10'-1	4	12	8'-2	7	9	10'-9	6'-8	4'-1	5	18	39'-8	8	18	14'-7
3-6	12	12	9	10.5	12	9	9	3'-8	2'-7	4'-10	3'-1	4'-10	4'-2	4	9	13'-6	7	9	13'-6	4	6	48	4	6	50	4	12	33	4	17	30	4	12	39	4	17	30	5	9	39'-8	4	9	8'-9	4	9	5'-8	7	9	9'-6	5'-7	3'-11	4	12	39'-8	7	12	10'-2
7-8	12	12	9.5	11.5	12	9	9	4'-1	3'-0	4'-0	3'-2	5'-0	4'-0	4	9	13'-8	7	9	13'-8	4	6	48	4	6	50	4	12	33	4	17	30	4	12	39	4	17	30	5	9	39'-8	4	9	7'-10	4	9	4'-10	7	9	8'-8	4'-8	4'-0	4	9	39'-8	6	9	8'-2
9-10	12	12	11	13	12	6	9	4'-11	2'-11	3'-11	2'-10	5'-3	3'-10	4	6	13'-11	7	9	13'-11	4	6	48	4	6	50	4	12	33	4	17	30	4	12	39	4	17	30	5	9	39'-8	4	9	8'-6	4	9	3'-2	5	6	7'-10	4'-6	3'-4	5	9	39'-8	5	9	8'-1
11-12	12	12	14	12	9	9	9	5'-0	2'-8	3'-11	2'-8	5'-3	3'-11	6	9	14'-1	7	9	14'-1	4	6	48	4	6	50	4	12	33	4	17	30	4	12	39	4	17	30	5	9	39'-8	4	9	9'-1	4	9	3'-0	5	6	7'-10	4'-5	3'-5	4	9	39'-8	6	9	8'-1
13-15	12	12	13.5	15.5	12.5	9	9	5'-3	2'-6	4'-0	2'-3	4'-7	4'-0	6	9	14'-4	7	9	14'-4	4	6	48	4	6	50	4	12	33	4	17	30	4	12	39	4	17	30	6	12	39'-10	5	12	9'-5	4	12	2'-6	5	6	8'-0	4'-6	3'-6	5	12	39'-10	7	12	8'-3
16-17	12	12	14.5	16.5	13	9	6	5'-1	2'-4	4'-0	2'-1	4'-4	4'-0	5	12	14'-6	6	6	14'-6	4	6	48	4	6	50	4	12	33	4	17	30	4	12	39	4	17	30	6	12	40'-0	5	12	10'-2	4	12	2'-11	8	12	9'-6	4'-9	4'-9	5	12	40'-0	7	12	8'-4
18-19	12	12	15	17.5	13.5	9	6	3'-6	1'-10	4'-0	1'-11	3'-10	4'-1	5	12	14'-7	6	6	14'-7	4	6	48	4	6	50	4	12	33	4	17	30	4	12	39	4	17	30	7	18	40'-2	7	18	11'-2	4	18	6'-2	7	9	8'-10	4'-5	4'-5	5	9	40'-2	6	9	8'-4
20-21	12	12	16	19	14	9	9	3'-5	1'-9	4'-1	1'-8	3'-10	4'-3	5	12	14'-10	8	9	14'-10	4	6	48	4	6	50	4	12	33	4	17	30	4	12	39	4	17	30	7	18	40'-4	7	18	11'-4	4	18	6'-4	6	6	9'-0	4'-6	4'-6	5	9	40'-4	6	9	8'-6
22-23	12	12	18	20.5	14.5	6	9	3'-5	1'-2	4'-3	1'-2	3'-6	4'-4	4	6	15'-1	8	9	15'-1	4	6	48	4	6	50	4	12	33	4	17	30	4	12	39	4	17	30	7	18	40'-6	7	18	12'-3	4	18	6'-4	8	12	10'-2	5'-1	5'-1	5	12	40'-6	7	12	8'-11
24-25	12	12	19	21.5	15	6	9	2'-11	1'-0	4'-3	1'-1	3'-6	4'-5	4	6	15'-3	8	9	15'-3	4	6	48	4	6	50	4	12	33	4	17	30	5	12	39	4	17	30	7	18	40'-8	7	18	12'-8	4	18	7'-5	8	12	10'-4	5'-2	5'-2	5	12	40'-8	7	12	9'-0

Fill	Bar List												Quantities																		
	k9			m1			m2			m3			m4			m6		m7		m9		Concrete (CY/FT)				Steel (LB/FT)					
Size	Sp.	L	Size	Sp.	L	Size	Sp.	L	Size	Sp.	L	Size	Sp.	L	Size	Sp.	L	Size	Sp.	L	Slab	Floor	Walls	Total							
0	6	4.5	39'-8	5	12	40'-2	5	12	9'-2	4	12	4'-0	7	9	19'-9	7'-4	12'-5	4	9	40'-2	5	9	8'-8	5	4.5	40'-2	1,827	1,591	1,715	5,133	681.66
1	6	4.5	39'-8	5	12	40'-2	5	12	9'-0	4	12	2'-6	6	9	18'-9	6'-4	12'-5	4	9	40'-2	5	9	8'-6	5	4.5	40'-2	1,703	1,528	1,715	4,946	653.05
2	8	4.5	39'-8	6	12	40'-2	5	12	7'-3	4	12	2'-6	7	9	17'-4	5'-1	12'-3	5	12	40'-2	7	12	8'-6	7	4.5	40'-2	1,333	1,341	1,715	4,389	745.84
3-6	7	4.5	39'-8	6	12	40'-2	5	12	7'-7	4	12	3'-4	7	9	17'-4	5'-0	12'-4	5	12	40'-2	7	12	8'-5	7	4.5	40'-2	1,209	1,403	1,715	4,327	718.74
7-8	6	4.5	39'-8	6	12	40'-2	5	12	8'-0	4	12	3'-0	7	9	17'-0	4'-7	12'-5	5	12	40'-2	7	12	8'-1	7	4.5	40'-2	1,271	1,528	1,715	4,514	708.08
9-10	5	4.5	39'-8	6	12	40'-2	5	12	8'-10	4	12	2'-6	5	6	17'-0	4'-6	12'-6	4	9	40'-2	6	9	7'-10	6	4.5	40'-2	1,456	1,716	1,715	4,887	679.32
11-12	6	4.5	39'-8	6	12	40'-2	5	12	9'-2	4	12	2'-6	5	6	17'-1	4'-6	12'-7	5	12	40'-2	7	12	8'-1	7	4.5	40'-2	1,580	1,841	1,715	5,136	703.84
13-15	7	4.5	39'-10	5	9	40'-4	5	9	10'-1	4	9	3'-10	5	6	17'-4	4'-7	12'-9	5	12	40'-4	7	12	8'-3	7	4.5	40'-4	1,775	2,038	1,787	5,600	731.61
16-17	7	4.5	40'-0	5	9	40'-6	5	9	10'-10	4	9	4'-5	8	12	17'-4	4'-6	12'-10	5	12	40'-6	7	12	8'-4	7	4.5	40'-6	1,909	2,174	1,858	5,941	766.61
18-19	6	4.5	40'-2	5	9	40'-8	5	9	11'-2	4	9	5'-6	7	9	17'-6	4'-7	12'-11	5	9	40'-8	6	9	8'-6	6	4.5	40'-8	1,982	2,311	1,929	6,222	793.95
20-21	6	4.5	40'-4	5	9	40'-10	5	9	11'-8	4	9	5'-6	6	6	17'-8	4'-8	13'-0	5	12	40'-10	7	12	8'-10	7	4.5	40'-10	2,118	2,513	2,000	6,631	819.66
22-23	7	4.5	40'-6	5	9	41'-0	5	9	12'-6	4	9	6'-2	8	12	17'-11	4'-9	13'-2	5	12	41'-0	7	12	9'-1	7	4.5	41'-0	2,118	2,716	2,072	7,169	827.82
24-25	7	4.5	40'-8	6	12	41'-2	6	12	12'-8	4	12	6'-3	8	12	18'-1	4'-10	13'-3	5	12	41'-2	7	12	9'-3	7	4.5	41'-2	2,519	2,857	2,143	7,519	857.92



- Notes:**
- Dimensions listed on this sheet to be used in conjunction with Sheet TRRCB G3-20.
 - 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 Triple Reinforced Concrete Box Culverts July, 2020
Culvert Barrel Details 12' x 12' Barrel Sections		TRRCB 12-12-20 Sheet 2 of 2

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