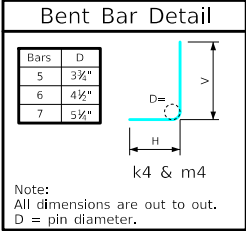


Variable Dimensions and Quantities for Triple 12' x 9' Barrel Sections

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.	L	Size	Sp.	L	Size	Sp.	L	Size	Sp.	L	Size	Sp.	L										
0	12	9	14	11.5	9	9	9	0'-4	0'-0	7'-7	2'-7	4'-5	4'-4	4	12	11'-0	6	9	11'-0	4	6	36	4	6	38	4	12	33	4	17	30	4	12	39	4	17	30	5	12	38'-8	5	12	12'-11	4	12	12'-1	6	12	11'-9	7-9	4'-0	5	18	38'-8	6	18	15'-2
1	12	9	13.5	11.5	9	9	9	0'-10	0'-4	7'-7	2'-7	4'-5	4'-3	4	12	11'-0	6	9	11'-0	4	6	36	4	6	38	4	12	33	4	17	30	4	12	39	4	17	30	6	18	38'-8	6	18	12'-7	5	18	11'-1	6	12	11'-8	7-9	3'-11	5	18	38'-8	6	18	15'-2
2	12	9	10	10	9	9	9	1'-9	1'-1	6'-7	3'-5	5'-2	4'-3	4	9	10'-7	6	9	10'-7	4	6	36	4	6	38	4	12	33	4	17	30	4	12	39	4	17	30	7	18	38'-8	7	18	11'-10	5	18	9'-3	6	9	8'-6	4'-10	3'-8	5	18	38'-8	8	18	14'-7
3-6	12	9	9	10.5	9	9	9	3'-10	2'-4	5'-0	3'-1	5'-2	4'-1	4	9	10'-6	6	9	10'-6	4	6	36	4	6	38	4	12	33	4	17	30	4	12	39	4	17	30	6	12	38'-8	5	12	9'-2	4	12	5'-1	6	9	7'-10	4'-3	3'-7	5	9	38'-8	5	9	10'-8
7-8	12	9	10	11.5	9	9	9	5'-2	2'-10	3'-11	3'-1	5'-2	3'-11	4	9	10'-8	6	9	10'-8	4	6	36	4	6	38	4	12	33	4	17	30	4	12	39	4	17	30	5	9	38'-8	4	9	8'-7	4	9	2'-5	6	9	7'-4	3'-8	3'-8	5	9	38'-8	5	9	8'-4
9-10	12	9	11	13	9	9	9	5'-2	2'-10	3'-10	2'-9	5'-2	3'-8	4	9	10'-11	6	9	10'-11	4	6	36	4	6	38	4	12	33	4	17	30	4	12	39	4	17	30	6	12	38'-8	5	12	8'-9	4	12	2'-5	6	9	7'-6	3'-9	3'-9	4	9	38'-8	6	9	8'-1
11-12	12	9	12	14	9	9	9	5'-2	2'-8	3'-10	2'-6	5'-2	3'-9	4	9	11'-1	6	9	11'-1	4	6	36	4	6	38	4	12	33	4	17	30	4	12	39	4	17	30	6	12	38'-8	5	12	9'-2	4	12	2'-5	6	9	7'-1	3'-3	3'-10	5	12	38'-8	7	12	8'-2
13-15	12	9	13.5	16	9	9	9	4'-1	2'-5	3'-10	2'-2	4'-1	3'-10	4	9	11'-4	6	9	11'-4	4	6	36	4	6	38	4	12	33	4	17	30	4	12	39	4	17	30	6	12	38'-8	5	12	9'-9	4	12	4'-7	6	9	7'-3	3'-3	4'-0	5	12	38'-8	7	12	8'-3
16-17	12	9	14.5	17	9.5	9	6	5'-2	1'-10	3'-10	1'-11	4'-0	3'-11	4	12	11'-6	5	6	11'-6	4	6	36	4	6	38	4	12	33	4	17	30	4	12	39	4	17	30	7	18	38'-10	7	18	11'-2	4	18	2'-6	5	6	7'-4	3'-8	3'-8	5	12	38'-10	7	12	8'-3
18-19	12	9	15.5	18	10	9	9	4'-0	1'-9	3'-11	1'-9	3'-11	4'-0	4	9	11'-8	7	9	11'-8	4	6	36	4	6	38	4	12	33	4	17	30	4	12	39	4	17	30	7	18	39'-0	7	18	11'-4	4	18	4'-10	6	9	7'-6	3'-4	4'-2	5	9	39'-0	6	9	8'-5
20-21	12	9	16.5	19	10.5	9	9	3'-11	1'-4	4'-0	1'-8	3'-11	4'-1	4	9	11'-10	7	9	11'-10	4	6	36	4	6	38	4	12	33	4	17	30	4	12	39	4	17	30	5	9	39'-2	5	9	11'-9	4	9	5'-0	5	6	7'-8	3'-10	3'-10	5	9	39'-2	6	9	8'-7
22-23	12	9	18.5	20	11	9	9	3'-6	1'-0	4'-1	1'-3	3'-9	4'-2	5	12	12'-1	7	9	12'-1	4	6	36	4	6	38	4	12	33	4	17	30	4	12	39	4	17	30	7	18	39'-4	7	18	12'-2	4	18	5'-11	6	9	8'-0	3'-7	4'-5	5	12	39'-4	7	12	8'-10
24-25	12	9	19	21.5	11.5	9	9	3'-7	1'-1	4'-2	1'-0	3'-8	4'-3	4	9	12'-3	7	9	12'-3	4	6	36	4	6	38	4	12	33	4	17	30	5	12	39	4	17	30	6	12	39'-6	6	12	12'-2	4	12	5'-10	5	6	8'-0	4'-0	4'-0	5	9	39'-6	6	9	8'-11

Fill	Size	Sp.	L	m1			m2			m3			m4			m6			m7			m9			Quantities						
				Size	Sp.	L	Size	Sp.	L	Size	Sp.	L	Size	Sp.	L	Size	Sp.	L	Size	Sp.	L	Size	Sp.	L	Slab	Floor	Concrete (CY/FT)	Walls	Total	Steel (LB/FT)	
0	6	4.5	38'-8	5	12	39'-2	5	12	9'-4	4	12	3'-11	7	12	15'-11	6'-6	9'-5	4	9	39'-2	5	9	8'-9	5	4.5	39'-2	1,766	1,483	0.952	4,201	568.29
1	6	4.5	38'-8	5	12	39'-2	5	12	8'-11	4	12	3'-11	7	12	15'-7	6'-2	9'-5	4	12	39'-2	6	12	8'-8	6	4.5	39'-2	1,706	1,483	0.952	4,141	559.74
2	8	4.5	38'-8	6	12	39'-2	5	12	7'-4	4	12	2'-5	6	9	13'-9	4'-6	9'-2	5	12	39'-2	7	12	8'-7	7	4.5	39'-2	1,285	1,301	0.952	3,338	635.71
3-6	5	4.5	38'-8	6	12	39'-2	5	12	8'-0	4	12	2'-5	6	9	13'-5	4'-1	9'-4	5	12	39'-2	7	12	8'-5	7	4.5	39'-2	1,165	1,362	0.952	3,479	616.50
7-8	5	4.5	38'-8	6	12	39'-2	5	12	8'-2	4	12	2'-5	6	9	12'-11	3'-6	9'-5	5	12	39'-2	7	12	8'-1	7	4.5	39'-2	1,285	1,483	0.952	3,720	594.92
9-10	6	4.5	38'-8	6	12	39'-2	5	12	9'-1	4	12	2'-5	6	9	12'-10	3'-4	9'-6	4	9	39'-2	6	9	7'-9	6	4.5	39'-2	1,405	1,666	0.952	4,023	589.00
11-12	7	4.5	38'-8	5	9	39'-2	5	9	9'-8	4	9	2'-5	6	9	12'-11	3'-4	9'-7	5	12	39'-2	7	12	8'-0	7	4.5	39'-2	1,526	1,788	0.952	4,266	609.87
13-15	7	4.5	38'-8	5	9	39'-2	5	9	10'-8	4	9	4'-7	6	9	13'-2	3'-5	9'-9	4	9	39'-2	6	9	8'-3	6	4.5	39'-2	1,706	2,032	0.952	4,690	612.45
16-17	7	4.5	38'-10	5	9	39'-4	5	9	11'-2	4	9	4'-10	5	6	13'-3	3'-5	9'-10	5	12	39'-4	7	12	8'-5	7	4.5	39'-4	1,837	2,165	1.004	5,006	629.11
18-19	6	4.5	39'-0	5	9	39'-6	5	9	11'-4	4	9	5'-0	6	9	13'-4	3'-5	9'-11	5	12	39'-6	7	12	8'-7	7	4.5	39'-6	1,969	2,299	1.057	5,325	664.68
20-21	6	4.5	39'-2	6	12	39'-8	6	12	11'-6	4	12	5'-0	5	6	13'-6	3'-6	10'-0	5	12	39'-8	7	12	8'-9	7	4.5	39'-8	2,101	2,430	1.113	5,644	678.47
22-23	7	4.5	39'-4	6	12	39'-10	6	12	12'-0	4	12	5'-5	6	9	13'-8	3'-7	10'-1	5	9	39'-10	6	9	8'-11	6	4.5	39'-10	2,357	2,566	1.166	6,089	693.11
24-25	6	4.5	39'-6	6	12	40'-0	6	12	12'-4	4	12	5'-8	5	6	14'-0	3'-9	10'-3	5	12	40'-0	7	12	9'-2	7	4.5	40'-0	2,431	2,765	1.218	6,414	716.84



- 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	TRRCB 12-9-20
		12' x 9' Barrel Sections	Sheet 2 of 2