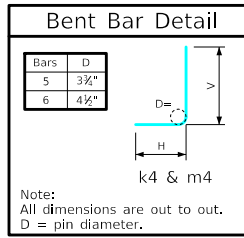


### Variable Dimensions and Quantities for Triple 12' x 10' Barrel Sections

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.	L	Size	Sp.	L	Size	Sp.	L	Size	Sp.	L	Size	Sp.	L		
0	12	10	14	11.5	10	9	9	0'-10	0'-4	7'-8	2'-7	4'-6	4'-4	4	9	12'-0	7	9	12'-0	4	6	40	4	6	42	4	12	33	4	17	30	4	12	39	4	17	30	6	18	39'-0	6	18	13'-1	5	18	12'-8	6	9	11'-10	7'-10	4'-0	5	18	39'-0	6	18	15'-4
1	12	10	13	11.5	10	9	9	0'-10	0'-4	7'-8	2'-7	4'-6	4'-3	4	12	11'-11	7	9	11'-11	4	6	40	4	6	42	4	12	33	4	17	30	4	12	39	4	17	30	6	18	39'-0	6	18	12'-9	5	18	11'-2	5	6	10'-11	7'-5	3'-6	5	18	39'-0	6	18	15'-4
2	12	10	10	10	10	9	9	2'-4	1'-10	6'-7	3'-5	5'-2	4'-3	4	9	11'-7	7	9	11'-7	4	6	40	4	6	42	4	12	33	4	17	30	4	12	39	4	17	30	6	12	39'-0	5	12	10'-4	4	12	8'-2	5	6	8'-9	5'-6	3'-6	5	18	39'-0	8	18	14'-7
3-6	12	10	9	10.5	10	9	9	3'-8	2'-5	4'-11	3'-1	5'-2	4'-2	5	12	11'-6	7	9	11'-6	4	6	40	4	6	42	4	12	33	4	17	30	4	12	39	4	17	30	4	6	39'-0	4	6	9'-1	4	6	5'-6	6	9	8'-3	4'-8	3'-7	5	9	39'-0	5	9	10'-5
7-8	12	10	10	11.5	10	9	9	5'-2	2'-11	4'-0	3'-1	5'-2	3'-11	5	12	11'-8	7	9	11'-8	4	6	40	4	6	42	4	12	33	4	17	30	4	12	39	4	17	30	5	9	39'-0	4	9	8'-5	4	9	2'-6	6	9	7'-8	3'-10	3'-10	5	9	39'-0	5	9	8'-4
9-10	12	10	11	13	10	9	9	5'-2	2'-9	3'-10	2'-9	5'-2	3'-9	5	12	11'-11	7	9	11'-11	4	6	40	4	6	42	4	12	33	4	17	30	4	12	39	4	17	30	5	9	39'-0	4	9	8'-10	4	9	2'-6	6	9	7'-6	3'-9	3'-9	4	9	39'-0	6	9	8'-1
11-12	12	10	12	14	10	6	9	5'-2	2'-9	3'-11	2'-8	5'-2	3'-10	4	6	12'-1	7	9	12'-1	4	6	40	4	6	42	4	12	33	4	17	30	4	12	39	4	17	30	6	12	39'-0	5	12	9'-0	4	12	2'-6	6	9	7'-8	3'-10	3'-10	5	12	39'-0	7	12	8'-3
13-15	12	10	13.5	16	10	6	9	5'-2	2'-5	3'-11	2'-2	4'-2	3'-11	4	6	12'-4	7	9	12'-4	4	6	40	4	6	42	4	12	33	4	17	30	4	12	39	4	17	30	6	12	39'-0	5	12	9'-8	4	12	2'-6	6	9	8'-0	4'-0	4'-0	5	12	39'-0	7	12	8'-3
16-17	12	10	14.5	17	10.5	6	9	4'-9	1'-11	3'-11	1'-11	4'-1	3'-11	4	6	12'-6	7	9	12'-6	4	6	40	4	6	42	4	12	33	4	17	30	4	12	39	4	17	30	7	18	39'-2	7	18	11'-0	4	18	3'-4	6	9	8'-2	4'-1	4'-1	5	12	39'-2	7	12	8'-4
18-19	12	10	15.5	18	11	9	9	4'-0	1'-9	4'-0	1'-9	4'-0	4'-0	5	9	12'-8	7	9	12'-8	4	6	40	4	6	42	4	12	33	4	17	30	4	12	39	4	17	30	7	18	39'-4	7	18	11'-4	4	18	4'-11	6	9	8'-4	4'-2	4'-2	5	12	39'-4	7	12	8'-6
20-21	12	10	16.5	19	11.5	9	9	3'-9	1'-8	4'-0	1'-7	3'-9	4'-1	6	12	12'-10	7	9	12'-10	4	6	40	4	6	42	4	12	33	4	17	30	4	12	39	4	17	30	7	18	39'-6	7	18	11'-7	4	18	5'-6	6	9	8'-0	3'-9	4'-3	5	9	39'-6	6	9	8'-7
22-23	12	10	17.5	20	12.5	6	9	3'-8	1'-3	4'-1	1'-3	3'-9	4'-3	4	6	13'-0	7	9	13'-0	4	6	40	4	6	42	4	12	33	4	17	30	4	12	39	4	17	30	5	9	39'-10	5	9	12'-1	4	9	5'-8	5	6	7'-10	3'-11	3'-11	5	9	39'-10	6	9	8'-1
24-25	12	10	19.5	21.5	13	9	6	3'-4	1'-0	4'-3	1'-1	3'-6	4'-4	6	12	13'-4	6	6	13'-4	4	6	40	4	6	42	4	12	33	4	17	30	5	12	39	4	17	30	5	9	40'-0	5	9	12'-5	4	9	6'-5	6	9	8'-10	4'-5	4'-5	5	12	40'-0	7	12	8'-8

Fill	Bar List												Quantities																		
	Size	Sp.	L	Size	Sp.	L	Size	Sp.	L	Size	Sp.	L	Slab	Floor	Walls	Total	Steel (LB/FT)														
0	6	4.5	39'-0	5	12	39'-6	5	12	9'-0	4	12	3'-10	6	9	16'-9	6'-4	10'-5	4	9	39'-6	5	9	8'-8	5	4.5	39'-6	1,786	1,499	1,180	4,465	614.55
1	6	4.5	39'-0	5	12	39'-6	5	12	9'-0	4	12	3'-10	5	6	16'-7	6'-2	10'-5	4	12	39'-6	6	12	8'-7	6	4.5	39'-6	1,665	1,499	1,180	4,344	598.89
2	8	4.5	39'-0	6	12	39'-6	5	12	7'-3	4	12	2'-6	5	6	14'-11	4'-8	10'-2	5	12	39'-6	7	12	8'-7	7	4.5	39'-6	1,301	1,315	1,180	3,796	663.47
3-6	5	4.5	39'-0	6	12	39'-6	5	12	8'-0	4	12	2'-6	6	9	14'-9	4'-5	10'-4	5	12	39'-6	7	12	8'-6	7	4.5	39'-6	1,179	1,376	1,180	3,735	655.63
7-8	5	4.5	39'-0	6	12	39'-6	5	12	8'-1	4	12	2'-6	6	9	14'-3	3'-10	10'-5	5	12	39'-6	7	12	8'-1	7	4.5	39'-6	1,301	1,499	1,180	3,980	635.71
9-10	6	4.5	39'-0	6	12	39'-6	5	12	9'-0	4	12	2'-6	6	9	14'-2	3'-8	10'-6	4	9	39'-6	6	9	7'-10	6	4.5	39'-6	1,422	1,684	1,180	4,286	620.89
11-12	7	4.5	39'-0	6	12	39'-6	5	12	9'-4	4	12	2'-6	6	9	14'-3	3'-8	10'-7	5	12	39'-6	7	12	8'-0	7	4.5	39'-6	1,544	1,807	1,180	4,531	658.24
13-15	7	4.5	39'-0	5	9	39'-6	5	9	10'-8	4	9	4'-6	6	9	14'-6	3'-9	10'-9	4	9	39'-6	6	9	8'-4	6	4.5	39'-6	1,726	2,053	1,180	4,959	661.68
16-17	7	4.5	39'-2	5	9	39'-8	5	9	11'-1	4	9	4'-8	6	9	14'-7	3'-9	10'-10	5	12	39'-8	7	12	8'-5	7	4.5	39'-8	1,857	2,183	1,242	5,282	682.61
18-19	7	4.5	39'-4	5	9	39'-10	5	9	11'-6	4	9	4'-11	6	9	14'-9	3'-10	10'-11	5	12	39'-10	7	12	8'-7	7	4.5	39'-10	1,990	2,318	1,301	5,609	692.08
20-21	6	4.5	39'-6	5	9	40'-0	5	9	11'-9	4	9	5'-6	6	9	14'-11	3'-11	11'-0	5	12	40'-0	7	12	8'-9	7	4.5	40'-0	2,124	2,454	1,360	5,938	710.39
22-23	6	4.5	39'-10	6	12	40'-4	6	12	12'-2	4	12	5'-6	5	6	15'-1	4'-0	11'-1	5	9	40'-4	6	9	9'-0	6	4.5	40'-4	2,271	2,603	1,478	6,352	730.18
24-25	7	4.5	40'-0	6	12	40'-6	6	12	12'-5	4	12	6'-1	6	9	15'-4	4'-1	11'-3	5	12	40'-6	7	12	9'-3	7	4.5	40'-6	2,531	2,804	1,537	6,872	749.84



- 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 <b>Triple Reinforced Concrete Box Culverts</b> July, 2020	
		Culvert Barrel Details 12' x 10' Barrel Sections	TRRCB 12-10-20 Sheet 2 of 2

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