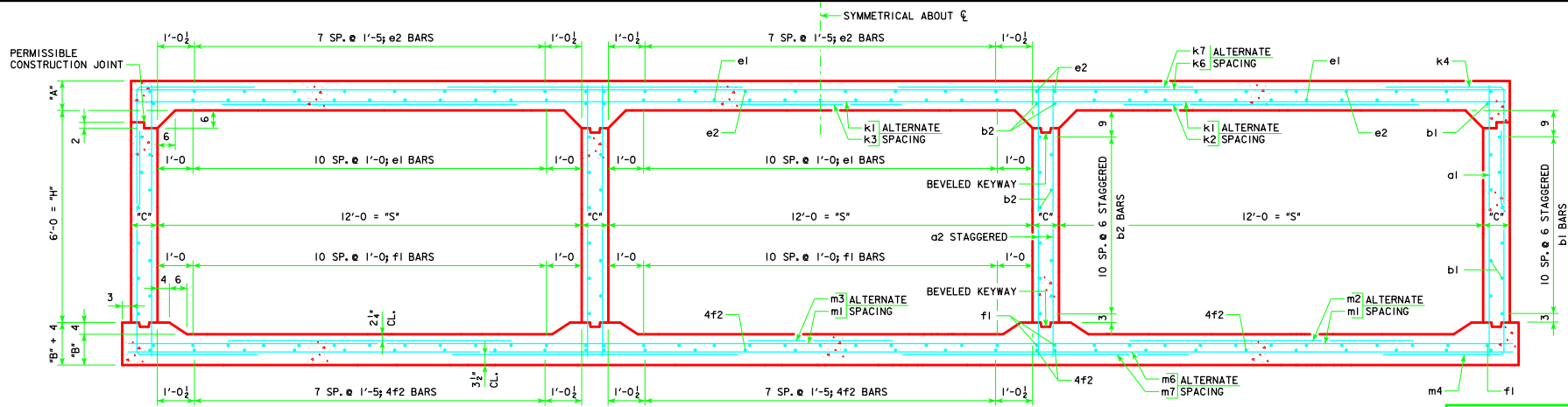


ENGLISH BEDSIGN/RRCB/RRCB/RRCB - TRRCB 12-6-12 - THIS SHEET ISSUED 04-12.



**TRIPLE 12 x 6 BARREL SECTION**

**BENT BAR DETAIL**

BAR	D
4	3
5	3 1/2
6	4 1/2
7	5 1/2

**k4 & m4**

NOTE: ALL DIMENSIONS ARE OUT TO OUT. D = PIN DIAMETER.

**NOTES:**

1. DIMENSIONS LISTED ON THIS SHEET TO BE USED IN CONJUNCTION WITH SHEET TRRCB G2-12.
2. DIMENSIONS "A", "B", "C", "D", "E", AND "SP." LISTED IN THE BAR LIST ARE IN INCHES.

**VARIABLE DIMENSIONS AND QUANTITIES FOR TRIPLE 12 x 6 BARREL SECTIONS**

DIMENSIONS																	BAR LIST														CONCRETE (CY/FT)				STEEL (LB/FT)																						
FILL	S	H	A	B	C	D	E	R	T	U	W	X	Z	SIZE	SP.	L	SIZE	SP.	L	SIZE	SP.	L	SIZE	SP.	L	SIZE	SP.	L	SIZE	SP.	L	SLAB	FLOOR	WALLS	TOTAL																						
0	12	6	14	11.5	9	9	9	0'-4	0'-0	7'-8	2'-9	4'-4	4'-3	4	12	8'-0	6	9	8'-0	4	6	24	4	6	26	4	12	33	4	17	30	4	12	39	4	17	30	5	12	38'-8	5	12	12'-11	5	12	12'-1	5	9	7'-2	3'-7	3'-7	5	18	38'-8	7	18	15'-4
1	12	6	13.5	11	9	9	9	0'-8	0'-4	7'-2	2'-8	4'-9	4'-3	4	12	7'-11	6	9	7'-11	4	6	24	4	6	26	4	12	33	4	17	30	4	12	39	4	17	30	5	12	38'-8	5	12	12'-7	5	12	11'-5	6	12	7'-4	3'-8	3'-8	5	18	38'-8	7	18	14'-10
2	12	6	10	10	9	9	9	2'-5	1'-8	5'-8	3'-5	5'-4	4'-1	4	9	7'-7	7	9	7'-7	4	6	24	4	6	26	4	12	33	4	17	30	4	12	39	4	17	30	6	12	38'-8	5	12	10'-5	4	12	7'-11	6	9	6'-10	3'-5	3'-5	5	12	38'-8	6	12	13'-1
3-6	12	6	10	10.5	9	9	9	2'-5	2'-0	5'-1	3'-3	4'-5	4'-2	4	9	7'-7	7	9	7'-7	4	6	24	4	6	26	4	12	33	4	17	30	4	12	39	4	17	30	6	12	38'-8	5	12	10'-0	4	12	7'-11	6	9	6'-10	3'-5	3'-5	5	12	38'-8	6	12	11'-8
7-8	12	6	10	11.5	9	9	9	4'-1	2'-11	4'-0	3'-1	4'-4	3'-11	4	12	7'-8	6	9	7'-8	4	6	24	4	6	26	4	12	33	4	17	30	4	12	39	4	17	30	5	9	38'-8	4	9	8'-4	4	9	4'-7	5	6	6'-0	3'-0	3'-0	4	9	38'-8	6	9	8'-4
9-10	12	6	11	13	9	9	9	3'-11	2'-8	3'-10	2'-10	4'-9	3'-9	4	12	7'-11	6	9	7'-11	4	6	24	4	6	26	4	12	33	4	17	30	4	12	39	4	17	30	5	9	38'-8	4	9	8'-10	4	9	4'-11	5	6	5'-9	2'-8	3'-1	5	9	38'-8	6	9	8'-1
11-12	12	6	12	14	9	9	9	4'-2	2'-7	3'-10	2'-8	4'-9	3'-9	4	12	8'-1	6	9	8'-1	4	6	24	4	6	26	4	12	33	4	17	30	4	12	39	4	17	30	6	12	38'-8	5	12	9'-4	4	12	4'-5	5	6	5'-9	2'-7	3'-2	5	9	38'-8	6	9	8'-1
13-15	12	6	13.5	15.5	9	6	9	4'-0	2'-2	3'-10	2'-2	4'-4	3'-10	4	6	8'-4	6	9	8'-4	4	6	24	4	6	26	4	12	33	4	17	30	4	12	39	4	17	30	5	9	38'-8	5	9	10'-6	4	9	4'-9	4	6	5'-9	2'-6	3'-4	5	9	38'-8	6	9	8'-3
16-17	12	6	14.5	16.5	9	6	9	3'-11	2'-0	3'-10	2'-1	4'-3	3'-10	4	6	8'-6	6	9	8'-6	4	6	24	4	6	26	4	12	33	4	17	30	4	12	39	4	17	30	5	9	38'-8	5	9	10'-10	4	9	4'-11	4	6	5'-10	2'-6	3'-4	5	9	38'-8	6	9	8'-3
18-19	12	6	15.5	18	9	9	9	3'-10	1'-7	3'-11	1'-7	4'-6	3'-11	5	12	8'-8	6	9	8'-8	4	6	24	4	6	26	4	12	33	4	17	30	4	12	39	4	17	30	5	9	38'-8	5	9	11'-4	4	9	5'-1	4	6	6'-1	2'-7	3'-6	5	9	38'-8	6	9	8'-5
20-21	12	6	17	19	9	9	9	3'-11	1'-5	4'-0	1'-7	4'-10	4'-0	4	9	8'-11	6	9	8'-11	4	6	24	4	6	26	4	12	33	4	17	30	4	12	39	4	17	30	5	9	38'-8	5	9	11'-6	4	9	4'-11	4	6	6'-3	2'-8	3'-7	5	9	38'-8	6	9	8'-8
22-23	12	6	18	20	9	9	9	4'-2	1'-1	4'-0	1'-1	4'-8	4'-1	4	9	9'-1	6	9	9'-1	4	6	24	4	6	26	4	12	33	4	17	30	4	12	39	4	17	30	6	12	38'-8	6	12	11'-10	4	12	4'-5	4	6	6'-4	2'-8	3'-8	5	9	38'-8	6	9	8'-9
24-25	12	6	19.5	21.5	9.5	6	6	4'-2	0'-11	4'-2	1'-0	4'-7	4'-2	4	9	9'-4	5	6	9'-4	4	6	24	4	6	26	4	12	33	4	17	30	5	12	39	4	17	30	6	12	38'-10	6	12	12'-1	4	12	4'-6	4	6	6'-7	2'-10	3'-9	5	9	38'-10	6	9	9'-0

LATEST REVISION DATE

*Thomas E. McQuillan*  
APPROVED BY BRIDGE ENGINEER

**Iowa Department of Transportation**  
Highway Division

STANDARD DESIGN  
**TRIPLE REINFORCED CONCRETE BOX CULVERTS**  
APRIL, 2012

**CULVERT BARREL DETAILS**  
12 x 6 BARREL SECTIONS

**TRRCB 12-6-12**