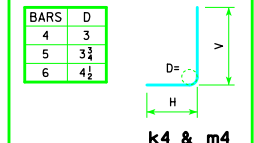


VARIABLE DIMENSIONS AND QUANTITIES FOR TRIPLE 10 x 7 BARREL SECTIONS

DIMENSIONS																		BAR LIST																																																							
																		a1				a2				b1				b2				e1				e2				f1				f2				k1				k2				k3				k4				k6				k7			
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	SIZE	SP.	L	SIZE	SP.	L	SIZE	SP.	L	SIZE	SP.	L	SIZE	SP.	L	SIZE	SP.	L	SIZE	SP.	L	SIZE	SP.	L	SIZE	SP.	L															
0	10	7	13	10.5	9	6	9	0'-0	0'-0	6'-5	2'-6	4'-4	3'-11	4	6	8'-10	6	9	8'-10	4	6	28	4	6	30	4	12	27	4	18	24	4	12	33	4	18	24	6	18	32'-8	6	18	10'-9	5	18	9'-9	5	12	9'-5	6'-3	3'-3	5	18	32'-8	6	18	12'-10																
1	10	7	12.5	10.5	9	9	9	0'-6	0'-2	6'-5	2'-6	4'-4	3'-11	4	9	8'-10	6	9	8'-10	4	6	28	4	6	30	4	12	27	4	18	24	4	12	33	4	18	24	6	18	32'-8	6	18	10'-9	5	12	9'-5	6'-3	3'-2	5	18	32'-8	6	18	12'-10																			
2	10	7	9.5	10	9	6	9	1'-1	0'-11	5'-4	2'-4	3'-6	3'-8	4	6	8'-6	6	9	8'-6	4	6	28	4	6	30	4	12	27	4	18	24	4	12	33	4	18	24	5	12	32'-8	5	12	10'-0	4	12	8'-7	4	6	6'-8	3'-8	3'-0	4	9	32'-8	4	9	11'-7																
3-6	10	7	9	10	9	6	9	2'-3	2'-0	4'-7	2'-0	3'-1	3'-5	4	6	8'-6	6	9	8'-6	4	6	28	4	6	30	4	12	27	4	18	24	4	12	33	4	18	24	5	9	32'-8	4	9	7'-10	4	9	6'-3	5	6	6'-3	3'-4	2'-11	5	12	32'-8	5	12	10'-10																
7-8	10	7	8.5	10	9	9	9	2'-10	2'-0	3'-6	3'-1	3'-8	3'-6	4	12	8'-5	6	9	8'-5	4	6	28	4	6	30	4	12	27	4	18	24	4	12	33	4	18	24	5	12	32'-8	5	12	7'-9	4	12	5'-1	5	6	5'-10	2'-11	2'-11	5	12	32'-8	6	12	7'-3																
9-10	10	7	9	11	9	9	9	2'-10	2'-0	3'-5	2'-10	3'-7	3'-5	4	12	8'-7	6	9	8'-7	4	6	28	4	6	30	4	12	27	4	18	24	4	12	33	4	18	24	5	12	32'-8	5	12	7'-10	4	12	5'-1	6	9	6'-2	2'-11	3'-3	5	12	32'-8	6	12	7'-0																
11-12	10	7	10	12	9	9	9	2'-11	1'-9	3'-4	2'-6	3'-9	3'-4	4	12	8'-9	6	9	8'-9	4	6	28	4	6	30	4	12	27	4	18	24	4	12	33	4	18	24	5	12	32'-8	5	12	8'-6	4	12	4'-11	6	9	6'-10	2'-9	3'-4	5	12	32'-8	6	12	6'-11																
13-15	10	7	12	14	9	6	9	3'-0	1'-8	3'-3	2'-3	4'-4	3'-5	4	6	9'-1	6	9	9'-1	4	6	28	4	6	30	4	12	27	4	18	24	4	12	33	4	18	24	5	12	32'-8	5	12	9'-1	4	12	4'-9	4	6	5'-10	2'-8	3'-2	5	12	32'-8	6	12	6'-11																
16-17	10	7	12.5	15	9	9	9	3'-9	2'-1	3'-4	2'-1	3'-11	3'-5	5	12	9'-2	6	9	9'-2	4	6	28	4	6	30	4	12	27	4	18	24	4	12	33	4	18	24	5	9	32'-8	4	9	8'-2	4	9	3'-3	4	6	5'-11	2'-8	3'-3	4	12	32'-8	7	12	7'-1																
18-19	10	7	13.5	15.5	9	6	9	3'-9	1'-7	3'-4	1'-9	4'-3	3'-4	4	6	9'-4	6	9	9'-4	4	6	28	4	6	30	4	12	27	4	18	24	4	12	33	4	18	24	5	9	32'-8	4	9	8'-11	4	9	3'-3	4	6	5'-11	2'-8	3'-3	4	12	32'-8	7	12	7'-1																
20-21	10	7	14.5	16.5	9	6	9	3'-9	1'-5	3'-4	1'-7	4'-3	3'-5	4	6	9'-6	6	9	9'-6	4	6	28	4	6	30	4	12	27	4	18	24	4	12	33	4	18	24	5	9	32'-8	4	9	9'-6	4	9	3'-3	4	6	6'-1	2'-9	3'-4	4	12	32'-8	7	12	7'-2																
22-23	10	7	15.5	17.5	9	6	9	3'-5	1'-3	3'-5	1'-6	4'-3	3'-6	4	6	9'-8	6	9	9'-8	4	6	28	4	6	30	4	12	27	4	18	24	4	12	33	4	18	24	7	18	32'-8	6	18	9'-8	4	18	3'-11	4	6	6'-2	2'-9	3'-5	4	12	32'-8	7	12	7'-4																
24-25	10	7	16	18.5	9	9	9	3'-10	1'-3	3'-5	1'-1	4'-3	3'-6	5	12	9'-9	6	9	9'-9	4	6	28	4	6	30	4	12	27	4	18	24	4	12	33	4	18	24	6	12	32'-8	5	12	9'-8	4	12	3'-1	4	6	6'-4	2'-10	3'-6	5	9	32'-8	5	9	7'-5																

BAR LIST																		QUANTITIES																										
																		CONCRETE (CY/FT)										STEEL																
FILL	SIZE	SP.	L	SIZE	SP.	L	SIZE	SP.	L	SIZE	SP.	L	SIZE	SP.	L	SIZE	SP.	L	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	(LB/FT)
0	6	4.5	32'-8	5	12	33'-2	4	12	7'-0	4	12	2'-1	4	6	12'-10	5	6	7'-4	5	18	33'-2	7	18	7'-10	7	4.5	33'-2	1.405	1.167	0.729	3.301	447.50												
1	6	4.5	32'-8	5	12	33'-2	4	12	6'-11	4	12	2'-1	6	12	12'-7	5	3	7'-4	5	18	33'-2	7	18	7'-10	7	4.5	33'-2	1.354	1.167	0.729	3.250	437.05												
2	4	4.5	32'-8	5	12	33'-2	5	12	7'-5	4	12	3'-9	4	6	11'-0	3	9	7'-3	4	12	33'-2	6	12	7'-5	6	4.5	33'-2	1.049	1.115	0.729	2.893	428.92												
3-6	5	4.5	32'-8	5	12	33'-2	5	12	7'-10	4	12	4'-7	4	6	10'-6	3	3	7'-3	4	9	33'-2	5	9	7'-0	5	4.5	33'-2	0.998	1.115	0.729	2.842	452.26												
7-8	6	4.5	32'-8	5	9	33'-2	4	9	5'-9	4	9	3'-5	5	6	10'-2	2'-11	7'-3	4	12	33'-2	7	12	7'-1	7	4.5	33'-2	0.947	1.115	0.729	2.791	454.26													
9-10	6	4.5	32'-8	5	9	33'-2	4	9	6'-4	4	9	3'-7	6	9	10'-3	2'-11	7'-4	4	12	33'-2	7	12	7'-0	7	4.5	33'-2	0.998	1.219	0.729	2.946	456.55													
11-12	6	4.5	32'-8	5	9	33'-2	4	9	7'-2	4	9	3'-3	6	9	10'-2	2'-9	7'-5	4	12	33'-2	7	12	7'-0	7	4.5	33'-2	1.100	1.322	0.729	3.151	458.89													
13-15	6	4.5	32'-8	5	9	33'-2	4	9	8'-0	4	9	2'-1	4	6	10'-4	2'-9	7'-7	5	18	33'-2	8	18	7'-3	8	4.5	33'-2	1.303	1.529	0.729	3.561	450.34													
16-17	7	4.5	32'-8	5	9	33'-2	4	9	8'-4	4	9	2'-11	4	6	10'-5	2'-9	7'-8	5	18	33'-2	8	18	7'-3	8	4.5	33'-2	1.354	1.632	0.729	3.715	451.76													
18-19	7	4.5	32'-8	6	12	33'-2	5	12	8'-9	4	12	2'-3	4	6	10'-6	2'-9	7'-9	4	12	33'-2	7	12	7'-2	7	4.5	33'-2	1.456	1.684	0.729	3.869	466.87													
20-21	7	4.5	32'-8	6	12	33'-2	5	12	9'-4	4	12	2'-3	4	6	10'-7	2'-9	7'-10	4	12	33'-2	7	12	7'-4	7	4.5	33'-2	1.558	1.787	0.729	4.074	471.76													
22-23	7	4.5	32'-8	6	12	33'-2	5	12	9'-6	4	12	2'-3	4	6	10'-9	2'-10	7'-11	4	12	33'-2	7	12	7'-6	7	4.5	33'-2	1.660	1.891	0.729	4.280	479.82													
24-25	5	4.5	32'-8	6	12	33'-2	5	12	9'-11	4	12	2'-3	4	6	10'-10	2'-10	8'-0	4	12	33'-2	7	12	7'-7	7	4.5	33'-2	1.711	1.994	0.729	4.434	490.47													

BENT BAR DETAIL



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

NOTES:

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

LATEST REVISION DATE	APPROVED BY BRIDGE ENGINEER	STANDARD DESIGN TRIPLE REINFORCED CONCRETE BOX CULVERTS APRIL, 2012 CULVERT BARREL DETAILS 10 x 7 BARREL SECTIONS	TRRCB 10-7-12 SHEET 2 OF 2
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ENGLISH DESIGN TRIPLE CULVERTS.DGN - TRRCB 10-7&2-12 - THIS SHEET ISSUED 04-12.