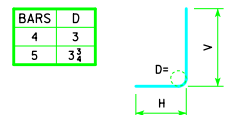


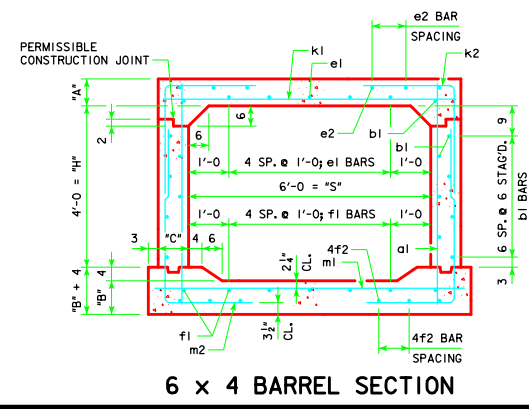
VARIABLE DIMENSIONS AND QUANTITIES FOR 6 x 4 BARREL SECTIONS

DIMENSIONS										BAR LIST																		QUANTITIES																					
FILL	S	H	A	B	C	D	a1		b1		e1		e2		f1		f2		k1		k2		k9		m1		m2		m9		CONCRETE (CY/FT)				STEEL (LB/FT)														
							SIZE	SP.	L	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	SLAB	FLOOR	WALLS	TOTAL									
0	6	4	10.5	10	9	9	4	12	5'-7	4	6	16	5	12	5	4	16	6	4	12	7	4	13	6	6	9	7'-2	4	6	6'-6	3'-3	3'-3	4	7'-2	6	9	7'-8	4	6	7'-0	2'-9	4'-3	4	7'-8	0.275	0.284	0.202	0.761	104.16
1	6	4	9	10	9	9	4	9	5'-6	4	6	16	5	12	5	4	14	6	4	12	7	4	13	6	6	9	7'-2	5	12	6'-0	3'-0	3'-0	5	7'-2	6	9	7'-8	5	12	7'-0	2'-9	4'-3	5	7'-8	0.241	0.284	0.202	0.727	99.37
2	6	4	8	10	9	9	4	9	5'-5	4	6	16	4	12	5	4	11	6	4	12	7	4	11	6	5	9	7'-2	5	12	5'-4	2'-6	2'-10	5	7'-2	6	9	7'-8	5	12	6'-8	2'-5	4'-3	5	7'-8	0.218	0.284	0.202	0.704	90.50
3	6	4	8	10	9	9	4	9	5'-5	4	6	16	4	12	5	4	10	6	4	12	7	4	10	6	5	9	7'-2	5	12	5'-1	2'-3	2'-10	5	7'-2	6	9	7'-8	5	12	6'-6	2'-3	4'-3	5	7'-8	0.218	0.284	0.202	0.704	89.58
4-6	6	4	8	10	9	9	4	9	5'-5	4	6	16	4	12	5	4	10	6	4	12	7	4	9	6	4	6	7'-2	5	12	5'-1	2'-3	2'-10	5	7'-2	5	9	7'-8	5	12	6'-5	2'-2	4'-3	5	7'-8	0.218	0.284	0.202	0.704	83.79
7-10	6	4	8	10	9	9	4	9	5'-5	4	6	16	4	12	5	4	18	4	4	12	7	4	18	4	4	6	7'-2	5	12	4'-11	2'-1	2'-10	5	7'-2	4	6	7'-8	5	12	6'-4	2'-1	4'-3	5	7'-8	0.218	0.284	0.202	0.704	79.82
11-15	6	4	8	10	9	9	4	9	5'-5	4	6	16	4	12	5	4	17	4	4	12	7	4	17	4	6	9	7'-2	5	12	4'-10	2'-0	2'-10	5	7'-2	6	9	7'-8	5	12	6'-3	2'-0	4'-3	5	7'-8	0.218	0.284	0.202	0.704	90.42
16-20	6	4	8	10	9	9	4	12	5'-5	4	6	16	4	12	5	4	16	4	4	12	7	4	16	4	5	6	7'-2	4	6	4'-9	1'-11	2'-10	4	7'-2	5	6	7'-8	4	6	6'-2	1'-11	4'-3	4	7'-8	0.218	0.284	0.202	0.704	92.74
21-25	6	4	8	10	9	9	5	12	5'-5	4	6	16	4	12	5	4	16	4	4	12	7	4	16	4	7	9	7'-2	4	6	4'-9	1'-11	2'-10	4	7'-2	6	6	7'-8	4	6	6'-2	1'-11	4'-3	4	7'-8	0.218	0.284	0.202	0.704	109.32
26-30	6	4	8.5	11	9	6	4	6	5'-6	4	6	16	4	12	5	4	15	4	4	12	7	4	15	4	6	6	7'-2	4	6	4'-9	1'-10	2'-11	4	7'-2	6	6	7'-8	4	6	6'-2	1'-10	4'-4	4	7'-8	0.229	0.308	0.202	0.739	113.79
31-35	6	4	9.5	12	9	6	4	6	5'-8	4	6	16	4	12	5	4	15	4	4	12	7	4	16	4	6	6	7'-2	4	6	4'-10	1'-10	3'-0	4	7'-2	6	6	7'-8	4	6	6'-4	1'-11	4'-5	4	7'-8	0.252	0.333	0.202	0.787	114.92
36-40	6	4	10.5	12.5	9	9	5	12	5'-10	4	6	16	4	12	5	4	15	4	4	12	7	4	16	4	8	9	7'-2	4	6	4'-10	1'-10	3'-0	4	7'-2	8	9	7'-8	4	6	6'-5	1'-11	4'-6	4	7'-8	0.275	0.345	0.202	0.822	122.58
41-45	6	4	11	13	9	6	4	6	5'-11	4	6	16	4	12	5	4	15	4	4	12	7	4	16	4	8	9	7'-2	4	6	4'-11	1'-10	3'-1	4	7'-2	7	6	7'-8	4	6	6'-5	1'-11	4'-6	4	7'-8	0.287	0.358	0.202	0.847	129.34
46-50	6	4	11.5	14	9	6	4	6	6'-0	4	6	16	4	12	5	4	16	4	4	12	7	4	16	4	7	6	7'-2	4	6	5'-1	1'-11	3'-2	4	7'-2	7	6	7'-8	4	6	6'-6	1'-11	4'-7	4	7'-8	0.299	0.382	0.202	0.883	133.24
51-55	6	4	12	14.5	9	6	4	6	6'-1	4	6	16	4	12	5	4	16	4	4	12	7	4	17	4	7	6	7'-2	4	6	5'-1	1'-11	3'-2	4	7'-2	7	6	7'-8	4	6	6'-8	2'-0	4'-8	4	7'-8	0.310	0.395	0.202	0.907	133.92

BENT BAR DETAIL



k2 & m2
NOTE: ALL DIMENSIONS ARE OUT TO OUT. D = PIN DIAMETER.



- NOTES:**
- DIMENSIONS LISTED ON THIS SHEET TO BE USED IN CONJUNCTION WITH SHEET RCB G2-12.
 - THE k2 AND m2 BARS HORIZONTAL LEGS MAY LAP IN LOW FILL SITUATIONS.
 - DIMENSIONS "A", "B", "C", "D", AND "SP." LISTED IN THE BAR LIST ARE IN INCHES.

LATEST REVISION DATE	 APPROVED BY BRIDGE ENGINEER	 STANDARD DESIGN SINGLE REINFORCED CONCRETE BOX CULVERTS APRIL, 2012
		CULVERT BARREL DETAILS 6 x 4 BARREL SECTIONS
		RCB 6-4-12