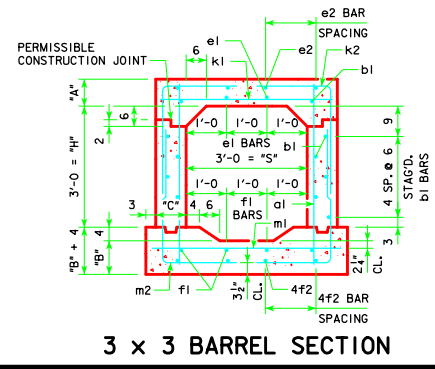
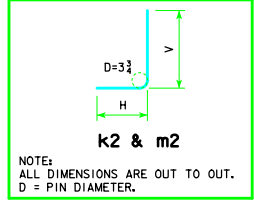


## VARIABLE DIMENSIONS AND QUANTITIES FOR 3 x 3 BARREL SECTIONS

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															
								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	SIZE	SP.	SLAB	FLOOR	WALLS	TOTAL	(LB/FT)							
0	3	3	9	10	9	9		4	9	4'-6	4	6	12	4	12	2	4	11	4	4	12	4	4	11	4	4	6	4'-2	5	12	6'-0	3'-0	3'-0	--	--	4	9	4'-8	5	12	6'-6	3'-3	3'-3	--	--	0.157	0.191	0.146	0.494	63.42	
1	3	3	8	10	9	9		4	9	4'-5	4	6	12	4	12	2	4	11	4	4	12	4	4	11	4	4	5	12	4'-2	5	12	6'-0	3'-0	3'-0	--	--	4	9	4'-8	5	12	6'-6	3'-3	3'-3	--	--	0.144	0.191	0.146	0.481	62.32
2	3	3	8	10	9	9		4	9	4'-5	4	6	12	4	12	2	4	11	4	4	12	4	4	11	4	4	9	4'-2	5	12	6'-0	3'-0	3'-0	--	--	4	9	4'-8	5	12	5'-7	2'-4	3'-3	--	--	0.144	0.191	0.146	0.481	59.47	
3-5	3	3	8	10	9	9		4	9	4'-5	4	6	12	4	12	2	4	11	4	4	12	4	4	11	4	4	12	4'-2	5	12	5'-2	2'-4	2'-10	--	--	4	12	4'-8	5	12	5'-4	2'-1	3'-3	5	4'-8	0.144	0.191	0.146	0.481	55.16	
6-8	3	3	8	10	9	9		4	9	4'-5	4	6	12	4	12	2	4	15	4	4	12	4	4	15	4	4	12	4'-2	5	12	4'-8	1'-10	2'-10	--	--	4	12	4'-8	5	12	5'-1	1'-10	3'-3	5	4'-8	0.144	0.191	0.146	0.481	53.97	
9-10	3	3	8	10	9	9		4	9	4'-5	4	6	12	4	12	2	4	14	4	4	12	4	4	14	4	4	12	4'-2	5	12	4'-7	1'-9	2'-10	5	4'-2	4	12	4'-8	5	12	4'-10	1'-7	3'-3	5	4'-8	0.144	0.191	0.146	0.481	53.21	
11-15	3	3	8	10	9	9		4	9	4'-5	4	6	12	4	12	2	4	14	4	4	12	4	4	14	4	4	12	4'-2	5	12	4'-7	1'-9	2'-10	5	4'-2	4	12	4'-8	5	12	4'-10	1'-7	3'-3	5	4'-8	0.144	0.191	0.146	0.481	53.21	
16-20	3	3	8	10	9	9		4	9	4'-5	4	6	12	4	12	2	4	14	4	4	12	4	4	14	4	4	9	4'-2	5	12	4'-7	1'-9	2'-10	5	4'-2	4	9	4'-8	5	12	4'-10	1'-7	3'-3	5	4'-8	0.144	0.191	0.146	0.481	55.08	
21-25	3	3	8	10	9	9		4	9	4'-5	4	6	12	4	12	2	4	14	4	4	12	4	4	14	4	4	12	4'-2	5	12	4'-7	1'-9	2'-10	5	4'-2	5	12	4'-8	5	12	4'-10	1'-7	3'-3	5	4'-8	0.144	0.191	0.146	0.481	56.79	
26-30	3	3	8	10	9	9		4	9	4'-5	4	6	12	4	12	2	4	14	4	4	12	4	4	14	4	4	6	4'-2	5	12	4'-7	1'-9	2'-10	5	4'-2	4	6	4'-8	5	12	4'-10	1'-7	3'-3	5	4'-8	0.144	0.191	0.146	0.481	58.79	
31-35	3	3	8	10	9	9		4	9	4'-5	4	6	12	4	12	2	4	14	4	4	12	4	4	14	4	4	6	4'-2	5	12	4'-7	1'-9	2'-10	5	4'-2	4	6	4'-8	5	12	4'-10	1'-7	3'-3	5	4'-8	0.144	0.191	0.146	0.481	58.79	
36-40	3	3	8	10	9	9		4	9	4'-5	4	6	12	4	12	2	4	14	4	4	12	4	4	14	4	4	5	9	4'-2	5	12	4'-7	1'-9	2'-10	5	4'-2	6	9	4'-8	5	12	4'-10	1'-7	3'-3	5	4'-8	0.144	0.191	0.146	0.481	62.66
41-45	3	3	8	10	9	9		4	9	4'-5	4	6	12	4	12	2	4	14	4	4	12	4	4	14	4	4	5	9	4'-2	5	12	4'-7	1'-9	2'-10	5	4'-2	6	9	4'-8	5	12	4'-10	1'-7	3'-3	5	4'-8	0.144	0.191	0.146	0.481	62.66
46-50	3	3	8	10	9	9		4	9	4'-5	4	6	12	4	12	2	4	14	4	4	12	4	4	14	4	4	6	9	4'-2	5	12	4'-7	1'-9	2'-10	5	4'-2	6	9	4'-8	5	12	4'-10	1'-7	3'-3	5	4'-8	0.144	0.191	0.146	0.481	65.34
51-55	3	3	8	10	9	9		4	9	4'-5	4	6	12	4	12	2	4	14	4	4	12	4	4	14	4	4	9	4'-2	5	12	4'-7	1'-9	2'-10	5	4'-2	6	9	4'-8	5	12	4'-10	1'-7	3'-3	5	4'-8	0.144	0.191	0.146	0.481	65.34	

### BENT BAR DETAIL



### NOTES:

1. DIMENSIONS LISTED ON THIS SHEET TO BE USED IN CONJUNCTION WITH SHEET RCB G2-12.
2. THE K2 AND M2 BARS HORIZONTAL LEGS MAY LAP IN LOW FILL SITUATIONS.
3. DIMENSIONS "A", "B", "C", "D", AND "SP." LISTED IN THE BAR LIST ARE IN INCHES.

LATEST REVISION DATE	APPROVED BY BRIDGE ENGINEER	STANDARD DESIGN <b>SINGLE REINFORCED CONCRETE BOX CULVERTS</b> APRIL, 2012
		<b>CULVERT BARREL DETAILS</b> 3 x 3 BARREL SECTIONS
		RCB 3-3-12

ENGLISH BEDSIGNING\EGULVERTS.DGN - RCB\_3-3-12 - THIS SHEET ISSUED 04-12