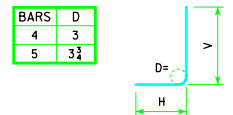


VARIABLE DIMENSIONS AND QUANTITIES FOR 5 x 3 BARREL SECTIONS

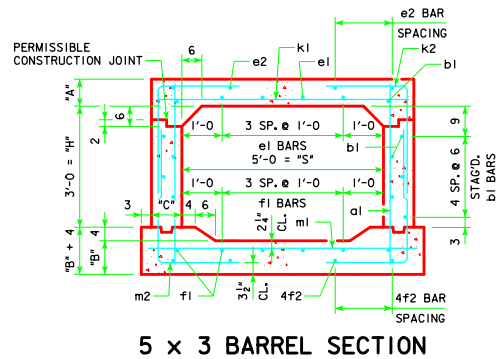
DIMENSIONS										BAR LIST																		QUANTITIES																					
FILL	S	H	A	B	C	D	a1		b1		e1		e2		f1		f2		k1		k2		k9		m1		m2		m9		CONCRETE (CY/FT)				STEEL (LB/FT)														
							SIZE	SP.	L	SIZE	SP.	NO.	SIZE	SP.	NO.	SIZE	SP.	NO.	SIZE	SP.	NO.	SIZE	SP.	NO.	SIZE	SP.	L	SIZE	SP.	L	SIZE	SP.	L	SIZE	SP.	L	SIZE	SP.	SLAB	FLOOR	WALLS	TOTAL							
0	5	3	10	10	9	9	4	9	4'-7	4	6	12	5	12	4	4	11	6	4	12	6	4	11	6	6	9	6'-2	5	12	5'-6	2'-6	3'-0	5	6'-2	6	9	6'-8	5	12	5'-9	2'-6	3'-3	5	6'-8	0.233	0.253	0.146	0.632	85.13
1	5	3	8.5	10	9	9	4	9	4'-5	4	6	12	4	12	4	4	11	6	4	12	6	4	11	6	6	12	6'-2	5	12	5'-4	2'-5	2'-11	5	6'-2	6	12	6'-8	5	12	5'-8	2'-5	3'-3	5	6'-8	0.203	0.253	0.146	0.602	76.74
2	5	3	8	10	9	9	4	9	4'-5	4	6	12	4	12	4	4	9	6	4	12	6	4	9	6	5	9	6'-2	5	12	5'-0	2'-2	2'-10	5	6'-2	4	6	6'-8	5	12	5'-5	2'-2	3'-3	5	6'-8	0.193	0.253	0.146	0.592	72.61
3-4	5	3	8	10	9	9	4	9	4'-5	4	6	12	4	12	4	4	17	4	4	12	6	4	17	4	4	6	6'-2	5	12	4'-10	2'-0	2'-10	5	6'-2	4	6	6'-8	5	12	5'-3	2'-0	3'-3	5	6'-8	0.193	0.253	0.146	0.592	68.58
5-8	5	3	8	10	9	9	4	9	4'-5	4	6	12	4	12	4	4	17	4	4	12	6	4	16	4	5	12	6'-2	5	12	4'-10	2'-0	2'-10	5	6'-2	4	6	6'-8	5	12	5'-2	1'-11	3'-3	5	6'-8	0.193	0.253	0.146	0.592	67.00
9-10	5	3	8	10	9	9	4	9	4'-5	4	6	12	4	12	4	4	15	4	4	12	6	4	15	4	4	9	6'-2	5	12	4'-8	1'-10	2'-10	5	6'-2	4	6	6'-8	5	12	5'-1	1'-10	3'-3	5	6'-8	0.193	0.253	0.146	0.592	65.24
11-15	5	3	8	10	9	9	4	9	4'-5	4	6	12	4	12	4	4	15	4	4	12	6	4	15	4	4	6	6'-2	5	12	4'-8	1'-10	2'-10	5	6'-2	4	6	6'-8	5	12	5'-1	1'-10	3'-3	5	6'-8	0.193	0.253	0.146	0.592	67.84
16-20	5	3	8	10	9	9	4	9	4'-5	4	6	12	4	12	4	4	15	4	4	12	6	4	15	4	6	9	6'-2	5	12	4'-8	1'-10	2'-10	5	6'-2	6	9	6'-8	5	12	5'-1	1'-10	3'-3	5	6'-8	0.193	0.253	0.146	0.592	77.37
21-25	5	3	8	10	9	9	4	12	4'-5	4	6	12	4	12	4	4	14	4	4	12	6	4	14	4	6	9	6'-2	4	6	4'-7	1'-9	2'-10	4	6'-2	5	6	6'-8	4	6	5'-0	1'-9	3'-3	4	6'-8	0.193	0.253	0.146	0.592	79.32
26-30	5	3	8	10	9	9	4	9	4'-5	4	6	12	4	12	4	4	14	4	4	12	6	4	14	4	5	6	6'-2	4	6	4'-7	1'-9	2'-10	4	6'-2	5	6	6'-8	4	6	5'-0	1'-9	3'-3	4	6'-8	0.193	0.253	0.146	0.592	81.29
31-35	5	3	8	10.5	9	9	5	12	4'-5	4	6	12	4	12	4	4	14	4	4	12	6	4	14	4	7	9	6'-2	4	6	4'-7	1'-9	2'-10	4	6'-2	6	6	6'-8	4	6	5'-1	1'-9	3'-4	4	6'-8	0.193	0.263	0.146	0.602	93.82
36-40	5	3	8.5	11	9	9	5	12	4'-6	4	6	12	4	12	4	4	14	4	4	12	6	4	13	4	6	6	6'-2	4	6	4'-8	1'-9	2'-11	4	6'-2	6	6	6'-8	4	6	5'-0	1'-8	3'-4	4	6'-8	0.203	0.274	0.146	0.623	95.18
41-45	5	3	9.5	11.5	9	9	5	12	4'-8	4	6	12	4	12	4	4	14	4	4	12	6	4	13	4	6	6	6'-2	4	6	4'-8	1'-9	2'-11	4	6'-2	6	6	6'-8	4	6	5'-1	1'-8	3'-5	4	6'-8	0.223	0.285	0.146	0.654	95.79
46-50	5	3	10	12	9	9	5	12	4'-9	4	6	12	4	12	4	4	13	4	4	12	6	4	14	4	6	6	6'-2	4	6	4'-8	1'-8	3'-0	4	6'-2	6	6	6'-8	4	6	5'-2	1'-9	3'-5	4	6'-8	0.233	0.296	0.146	0.675	96.18
51-55	5	3	10.5	12.5	9	9	5	12	4'-10	4	6	12	4	12	4	4	13	4	4	12	6	4	14	4	6	6	6'-2	4	6	4'-8	1'-8	3'-0	4	6'-2	6	6	6'-8	4	6	5'-3	1'-9	3'-6	4	6'-8	0.243	0.307	0.146	0.696	96.58

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 5 x 3 BARREL SECTIONS		RCB 5-3-12

ENGLISH BEDSIGNING\EGULVERTS.DGN - RCB 5-3-12 - THIS SHEET ISSUED 04-12