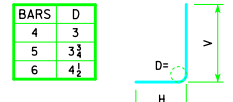


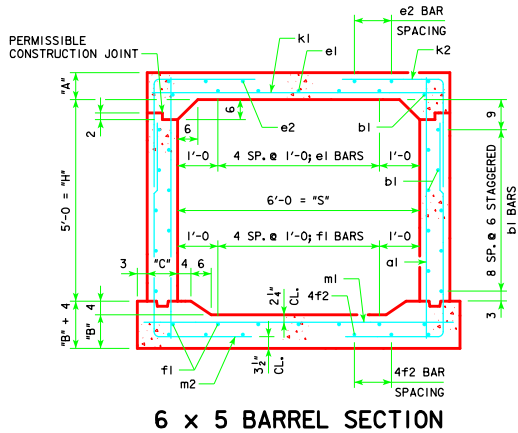
VARIABLE DIMENSIONS AND QUANTITIES FOR 6 x 5 BARREL SECTIONS

DIMENSIONS										BAR LIST																		QUANTITIES																					
FILL	S	H	A	B	C	D	SIZE	SP.	L	SIZE	SP.	NO.	SIZE	SP.	NO.	SIZE	SP.	NO.	SIZE	SP.	NO.	SIZE	SP.	NO.	SIZE	SP.	NO.	SIZE	SP.	NO.	SIZE	SP.	NO.	SIZE	SP.	NO.	SIZE	SP.	NO.	SIZE	SP.	NO.	CONCRETE (CY/FT)	STEEL (LB/FT)					
0	1	2	3	4-8	9-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55																			SLAB	FLOOR	WALLS	TOTAL													
0	6	5	10.5	10	9	9	4	9	6'-7	4	6	20	5	12	5	4	14	6	4	12	7	4	14	6	6	9	7'-2	5	12	7'-7	4'-6	3'-1	--	--	6	9	7'-8	5	12	8'-2	2'-11	5'-3	5	7'-8	0.275	0.284	0.257	0.816	109.74
1	6	5	9	10	9	9	4	9	6'-6	4	6	20	5	12	5	4	14	6	4	12	7	4	15	6	6	9	7'-2	5	12	7'-5	4'-6	2'-11	--	--	6	9	7'-8	5	12	8'-4	3'-1	5'-3	5	7'-8	0.241	0.284	0.257	0.782	109.58
2	6	5	8	10	9	9	4	9	6'-5	4	6	20	5	12	5	4	15	6	4	12	7	4	13	6	6	9	7'-2	5	12	6'-2	3'-1	3'-1	5	7'-2	6	9	7'-8	5	12	8'-0	2'-9	5'-3	5	7'-8	0.218	0.284	0.257	0.759	106.24
3	6	5	8	10	9	9	4	9	6'-5	4	6	20	4	12	5	4	13	6	4	12	7	4	12	6	5	9	7'-2	5	12	5'-8	2'-10	2'-10	5	7'-2	6	9	7'-8	5	12	7'-10	2'-7	5'-3	5	7'-8	0.218	0.284	0.257	0.759	98.32
4-8	6	5	8	10	9	9	4	9	6'-5	4	6	20	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	7'-8	2'-5	5'-3	5	7'-8	0.218	0.284	0.257	0.759	97.18
9-10	6	5	8	10	9	9	4	9	6'-5	4	6	20	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	5	9	7'-8	5	12	7'-4	2'-1	5'-3	5	7'-8	0.218	0.284	0.257	0.759	97.47
11-15	6	5	8	10	9	9	4	9	6'-5	4	6	20	4	12	5	4	18	4	4	12	7	4	18	4	6	9	7'-2	5	12	4'-11	2'-1	2'-10	5	7'-2	6	9	7'-8	5	12	7'-4	2'-1	5'-3	5	7'-8	0.218	0.284	0.257	0.759	87.26
16-20	6	5	8	10	9	9	4	12	6'-5	4	6	20	4	12	5	4	16	4	4	12	7	4	17	4	5	6	7'-2	4	6	4'-9	1'-11	2'-10	4	7'-2	5	6	7'-8	4	6	7'-3	2'-0	5'-3	4	7'-8	0.218	0.284	0.257	0.759	99.68
21-25	6	5	8	10	9	9	4	9	6'-5	4	6	20	4	12	5	4	16	4	4	12	7	4	17	4	6	6	7'-2	4	6	4'-9	1'-11	2'-10	4	7'-2	6	6	7'-8	4	6	7'-3	2'-0	5'-3	4	7'-8	0.218	0.284	0.257	0.759	116.18
26-30	6	5	8.5	11	9	9	5	12	6'-6	4	6	20	4	12	5	4	16	4	4	12	7	4	17	4	6	6	7'-2	4	6	4'-10	1'-11	2'-11	4	7'-2	6	6	7'-8	4	6	7'-4	2'-0	5'-4	4	7'-8	0.229	0.308	0.257	0.794	119.03
31-35	6	5	9.5	12	9	9	5	12	6'-8	4	6	20	4	12	5	4	16	4	4	12	7	4	17	4	6	6	7'-2	4	6	4'-11	1'-11	3'-0	4	7'-2	6	6	7'-8	4	6	7'-5	2'-0	5'-5	4	7'-8	0.252	0.333	0.257	0.842	119.84
36-40	6	5	10.5	12.5	9	6	4	6	6'-10	4	6	20	4	12	5	4	17	4	4	12	7	4	18	4	8	9	7'-2	4	6	5'-0	2'-0	3'-0	4	7'-2	8	9	7'-8	4	6	7'-7	2'-1	5'-6	4	7'-8	0.275	0.345	0.257	0.877	134.58
41-45	6	5	11	13	9	6	4	6	6'-11	4	6	20	4	12	5	4	17	4	4	12	7	4	18	4	8	9	7'-2	4	6	5'-1	2'-0	3'-1	4	7'-2	7	6	7'-8	4	6	7'-7	2'-1	5'-6	4	7'-8	0.287	0.358	0.257	0.902	138.24
46-50	6	5	11.5	14	9	5	5	12	7'-0	4	6	20	4	12	5	4	17	4	4	12	7	4	18	4	8	9	7'-2	6	12	5'-6	2'-0	3'-6	6	7'-2	7	6	7'-8	6	12	7'-8	2'-1	5'-7	6	7'-8	0.299	0.382	0.257	0.938	143.76
51-55	6	5	12.5	14.5	9.5	6	4	6	7'-2	4	6	20	4	12	5	4	9	6	4	12	7	4	9	6	7	6	7'-3	6	12	5'-8	2'-2	3'-6	6	7'-3	7	6	7'-9	6	12	7'-10	2'-2	5'-8	6	7'-9	0.326	0.399	0.271	0.996	155.37

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 <i>Thomas E. Mc Donald</i>	<p>Iowa Department of Transportation Highway Division</p> <p>STANDARD DESIGN SINGLE REINFORCED CONCRETE BOX CULVERTS APRIL, 2012</p>	<p>CULVERT BARREL DETAILS 6 x 5 BARREL SECTIONS</p> <p>RCB 6-5-12</p>
---	---	--

ENGLISH BEDSIGNING\EGULVERTS.DGN - RCB_6-5-12 - THIS SHEET ISSUED 04-12.