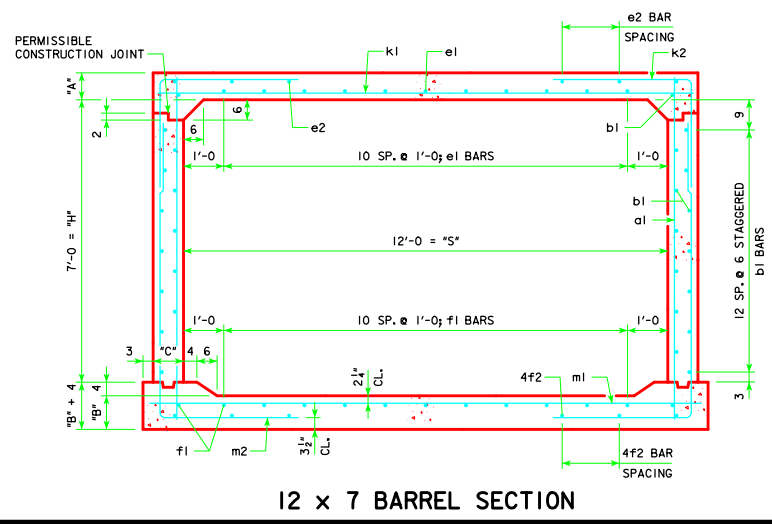
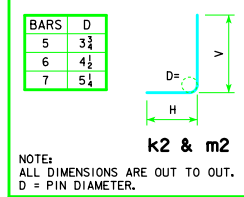


VARIABLE DIMENSIONS AND QUANTITIES FOR 12 x 7 BARREL SECTIONS

FILL	DIMENSIONS						BAR LIST																		QUANTITIES																								
	S	H	A	B	C	D	SIZE	SP.	L	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.	L	SLAB	FLOOR	WALLS	TOTAL	STEEL (LB/FT)								
0	12	7	13.5	13	9	9	4	12	9'-1	4	6	28	5	12	11	4	14	8	4	12	13	4	14	8	6	6	13'-2	6	12	7'-11	4'-3	3'-8	6	13'-2	7	9	13'-8	7	12	11'-8	4'-2	7'-6	7	13'-8	0.595	0.598	0.368	1.561	220.24
1	12	7	12.5	13	9	9	4	12	9'-0	4	6	28	5	12	11	4	15	8	4	12	13	4	13	8	7	9	13'-2	5	6	7'-7	4'-4	3'-3	5	13'-2	7	9	13'-8	5	6	10'-4	3'-10	7'-6	5	13'-8	0.553	0.490	0.368	1.519	219.37
2-3	12	7	8.5	10.5	9	6	4	6	8'-6	4	6	28	4	12	11	4	18	6	4	12	13	4	18	6	7	6	13'-2	5	6	6'-5	3'-7	2'-10	5	13'-2	7	6	13'-8	5	6	10'-11	3'-7	7'-4	5	13'-8	0.387	0.490	0.368	1.245	250.97
4-6	12	7	8.5	10.5	9	6	4	6	8'-6	4	6	28	4	12	11	4	17	6	4	12	13	4	17	6	7	6	13'-2	5	6	6'-3	3'-5	2'-10	5	13'-2	7	6	13'-8	5	6	10'-9	3'-5	7'-4	5	13'-8	0.387	0.490	0.368	1.245	249.58
7-8	12	7	8.5	10.5	9	6	4	6	8'-6	4	6	28	4	12	11	4	16	6	4	12	13	4	16	6	7	6	13'-2	5	6	6'-1	3'-3	2'-10	5	13'-2	7	6	13'-8	6	6	10'-7	3'-3	7'-4	6	13'-8	0.387	0.490	0.368	1.245	268.16
9-10	12	7	9	12	9	9	4	12	8'-8	4	6	28	4	12	11	4	16	6	4	12	13	4	15	6	7	6	13'-2	7	9	7'-1	3'-3	3'-10	7	13'-2	7	6	13'-8	7	9	10'-6	3'-1	7'-5	7	13'-8	0.407	0.555	0.368	1.330	268.58
11-15	12	7	10.5	12.5	9	9	4	12	8'-10	4	6	28	4	12	11	4	14	6	4	12	13	4	14	6	8	6	13'-2	7	9	6'-10	2'-11	3'-11	7	13'-2	8	6	13'-8	7	9	10'-5	2'-11	7'-6	7	13'-8	0.470	0.577	0.368	1.415	300.95
16-20	12	7	12.5	14.5	9	6	4	6	9'-2	4	6	28	4	12	11	4	11	6	4	12	13	4	12	6	8	6	13'-2	5	6	5'-8	2'-6	3'-2	5	13'-2	8	6	13'-8	5	6	10'-3	2'-7	7'-8	5	13'-8	0.553	0.663	0.368	1.584	280.82
21-25	12	7	14.5	17	10	9	6	12	9'-6	4	6	28	4	12	11	4	12	6	4	12	13	4	12	6	8	6	13'-4	5	6	6'-1	2'-8	3'-5	5	13'-4	9	6	13'-10	5	6	10'-6	2'-8	7'-10	5	13'-10	0.647	0.782	0.409	1.838	310.74
26-30	12	7	16.5	19	10.5	9	6	9	9'-10	4	6	28	4	12	11	4	12	6	4	12	13	4	12	6	9	6	13'-5	6	9	6'-8	2'-9	3'-11	6	13'-5	9	6	13'-11	6	9	10'-10	2'-10	8'-0	6	13'-11	0.736	0.874	0.431	2.041	345.82
31-35	12	7	18	20.5	11.5	9	4	9	10'-1	4	6	28	4	12	11	4	12	6	4	12	13	4	13	6	9	6	13'-7	7	9	7'-5	2'-11	4'-6	7	13'-7	9	6	14'-1	7	9	11'-2	3'-0	8'-2	7	14'-1	0.812	0.952	0.471	2.235	360.03
36-40	12	7	19.5	22	12	9	6	9	10'-4	4	6	28	4	12	11	4	13	6	5	12	13	4	13	6	9	6	13'-8	6	9	7'-3	3'-1	4'-2	6	13'-8	9	6	14'-2	6	9	11'-4	3'-1	8'-3	6	14'-2	0.883	1.026	0.492	2.401	360.71
41-45	12	7	21	23.5	13	9	4	9	10'-7	4	6	28	4	12	11	4	14	6	5	12	13	4	14	6	9	6	13'-10	7	9	8'-0	3'-3	4'-9	7	13'-10	9	6	14'-4	7	9	11'-9	3'-4	8'-5	7	14'-4	0.961	1.107	0.532	2.600	375.92
46-50	12	7	23.5	25.5	13.5	9	5	9	11'-0	4	6	28	5	12	11	4	14	6	5	12	13	4	15	6	9	6	13'-11	5	6	7'-6	3'-5	4'-1	5	13'-11	9	6	14'-5	5	6	12'-1	3'-6	8'-7	5	14'-5	1.078	1.205	0.553	2.836	361.63
51-55	12	7	26	28	14	9	5	9	11'-5	4	6	28	5	12	11	4	16	6	5	12	13	4	16	6	9	6	14'-0	6	9	8'-4	3'-8	4'-8	6	14'-0	9	6	14'-6	6	9	12'-5	3'-8	8'-9	6	14'-6	1.195	1.327	0.573	3.095	368.84

BENT BAR DETAIL



- 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 12 x 7 BARREL SECTIONS	RCB 12-7-12

ENGL\SHRFD\DESIGN\ING\RCB\12-7-12 - THIS SHEET ISSUED 04-12.