

CULVERT SIZE	TABLE OF DIMENSIONS										TOTAL QUANTITIES		TABLE OF REINFORCING STEEL FOR 2 WINGS																		CULVERT SIZE																
	S	H	L	M	V	W	C	D	Ta	MAX FILL			Conc	Steel	Bars H-#4		Bars J-#6		Bars O-#4 @ 12"		Bars O ₁ -O _x -#4 @ 12"		Bars P-#4 @ 12"		Bars P ₁ -P _x -#4 @ 12"		Bars Q ₁ -Q _x -#4 @ 12"		Bars R-4-#4			Bars S-8-#4		Bars U-#4		Bars V ₁ -V _x		8 Bars W									
										K	K	K			No	Wt	No	Wt	No	Wt	No	Wt	No	Wt	No	Wt	No	Wt	No	Wt		No	Wt	No	Wt	No	Wt	No	Wt	No	Wt	No	Wt	No	Wt	No	Wt
3 x 2	3'-6"	3'-8"	6"	6'-5 1/2"	1'-0"	2'-8"	6"	-	-	10"	1.73	241	12	20	8	48	3	5'-11"	12	4	3'-6"	9	3	6'-5"	13	4	4'-0"	11	6	5'-0"	20	6'-6"	17	3'-5"	18	8	3'-1"	16	16	#4	12"	3'-6"	37	#4	3'-9"	20	3 x 2
3 x 3	5'-6"	5'-11"	6"	8'-5 1/2"	1'-0"	3'-8"	6"	-	-	10"	3.03	371	16	27	8	48	4	5'-11"	16	4	5'-6"	18	4	6'-5"	17	6	5'-0"	20	10	6'-0"	40	8'-6"	23	5'-8"	30	12	4'-4"	35	24	#4	12"	4'-0"	64	#4	6'-3"	33	3 x 3
4 x 3	5'-6"	5'-11"	6"	9'-5 1/2"	1'-0"	3'-8"	6"	-	-	10"	3.29	390	16	27	8	48	4	7'-11"	21	6	4'-6"	18	4	8'-5"	22	6	5'-0"	20	10	7'-0"	47	9'-6"	25	5'-8"	30	12	4'-4"	35	24	#4	12"	3'-6"	37	#4	3'-9"	20	4 x 3
4 x 4	7'-6"	8'-2"	6"	11'-5 1/2"	1'-0"	4'-8"	6"	-	-	10"	4.98	558	20	33	8	48	4	9'-11"	26	8	5'-6"	29	4	10'-5"	28	8	6'-0"	32	14	8'-0"	75	11'-6"	31	7'-10"	42	16	5'-7"	60	36	#4	12"	4'-6"	108	#4	8'-7"	46	4 x 4
5 x 2	3'-6"	3'-8"	6"	8'-5 1/2"	1'-0"	2'-8"	6"	-	-	10"	2.12	271	12	20	8	48	5	5'-11"	20	4	3'-6"	9	5	6'-5"	21	4	4'-0"	11	6	7'-0"	28	8'-6"	23	3'-5"	18	8	3'-1"	16	16	#4	12"	3'-6"	37	#4	3'-9"	20	5 x 2
5 x 3	5'-6"	5'-11"	6"	10'-5 1/2"	1'-0"	3'-8"	6"	-	-	10"	3.56	410	16	27	8	48	5	7'-11"	26	6	4'-6"	18	5	8'-5"	28	6	5'-0"	20	10	8'-0"	53	10'-6"	28	5'-8"	30	12	4'-4"	35	24	#4	12"	4'-0"	64	#4	6'-3"	33	5 x 3
5 x 4	7'-6"	8'-2"	6"	12'-5 1/2"	1'-0"	4'-8"	6"	-	-	10"	5.32	583	20	33	8	48	5	9'-11"	33	8	5'-6"	29	5	10'-5"	35	8	6'-0"	32	14	9'-0"	84	12'-6"	33	7'-10"	42	16	5'-7"	60	36	#4	12"	4'-6"	108	#4	8'-7"	46	5 x 4
5 x 5	8'-7 1/2"	9'-3 1/2"	7"	13'-5 1/2"	1'-6"	5'-8"	6"	-	-	10"	7.17	723	24	40	8	48	5	10'-11"	36	8	6'-6"	35	5	11'-5"	38	8	7'-0"	37	16	9'-6"	102	13'-6"	36	9'-0"	48	20	6'-6"	87	40	#4	12"	5'-3"	140	#4	9'-8"	81	5 x 5
6 x 3	5'-6"	5'-11"	6"	11'-5 1/2"	1'-0"	3'-8"	6"	-	-	10"	3.83	432	16	27	8	48	6	7'-11"	32	6	4'-6"	18	6	8'-5"	34	6	5'-0"	20	10	9'-0"	60	11'-6"	31	5'-8"	30	12	4'-4"	35	24	#4	12"	4'-0"	64	#4	6'-3"	33	6 x 3
6 x 4	7'-6"	8'-2"	6"	13'-5 1/2"	1'-0"	4'-8"	6"	-	-	10"	5.66	610	20	33	8	48	6	9'-11"	40	8	5'-6"	29	6	10'-5"	42	8	6'-0"	32	14	10'-0"	94	13'-6"	36	7'-10"	42	16	5'-7"	60	36	#4	12"	4'-6"	108	#4	8'-7"	46	6 x 4
6 x 5	8'-7 1/2"	9'-3 1/2"	7"	14'-5 1/2"	1'-6"	5'-8"	6"	-	-	10"	7.55	757	24	40	8	48	6	10'-11"	44	8	6'-6"	35	6	11'-5"	46	8	7'-0"	37	16	10'-6"	112	14'-6"	39	9'-0"	48	20	6'-6"	87	40	#4	12"	5'-3"	140	#4	9'-8"	81	5 x 5
6 x 6	10'-7 1/2"	11'-6 1/2"	7"	16'-5 1/2"	1'-6"	6'-8"	6"	-	-	10"	10.13	972	28	47	8	48	6	12'-11"	52	10	7'-6"	50	6	13'-5"	54	10	8'-0"	53	20	11'-6"	154	16'-6"	44	11'-3"	60	24	7'-8"	123	48	#4	12"	5'-9"	184	#5	12'-4"	103	6 x 6
7 x 4	7'-7 1/2"	8'-3 1/2"	6"	14'-6 1/2"	1'-0"	4'-8 1/2"	6 1/2"	10"	10"	10"	6.37	642	20	33	8	48	7	10'-0"	47	8	5'-7"	30	7	10'-6"	49	8	6'-1"	33	14	11'-0"	103	14'-7"	39	8'-0"	43	16	5'-7"	60	36	#4	12"	4'-7"	110	#4	8'-9"	47	7 x 4
7 x 5	8'-8 1/2"	9'-4 1/2"	7"	15'-6 1/2"	1'-6"	5'-8 1/2"	6 1/2"	10"	10"	10"	8.37	792	24	40	8	48	7	11'-0"	51	8	6'-7"	35	7	11'-6"	54	8	7'-1"	38	16	11'-0"	123	15'-7"	42	9'-1"	49	20	6'-6"	87	40	#4	12"	5'-4"	142	#5	9'-11"	83	7 x 5
7 x 6	10'-8 1/2"	11'-7 1/2"	7"	17'-6 1/2"	1'-6"	6'-8 1/2"	6 1/2"	10"	10"	10"	11.15	1014	28	47	8	48	7	13'-0"	61	10	7'-7"	51	7	13'-6"	63	10	8'-1"	54	20	12'-6"	167	17'-7"	47	11'-4"	61	24	7'-9"	124	48	#4	12"	5'-10"	187	#5	12'-5"	104	7 x 6
8 x 4	7'-8 1/2"	8'-4 1/2"	6"	15'-7 1/2"	1'-0"	4'-9"	7"	9 1/2"	10"	10 1/2"	7.14	671	20	33	8	48	8	10'-1"	54	8	5'-8"	30	8	10'-7"	57	8	6'-2"	33	14	12'-0"	112	15'-8"	42	8'-1"	43	16	5'-7"	60	36	#4	12"	4'-8"	112	#4	8'-10"	47	8 x 4
8 x 5	8'-9 1/2"	9'-6"	7"	16'-7 1/2"	1'-6"	5'-9"	7"	9 1/2"	10"	10 1/2"	9.26	822	24	40	8	48	8	11'-1"	59	8	6'-8"	36	8	11'-7"	62	8	7'-2"	38	16	12'-6"	134	16'-8"	45	9'-2"	49	20	6'-7"	88	40	#4	12"	5'-5"	145	#5	10'-1"	84	8 x 5
8 x 6	10'-9 1/2"	11'-8 1/2"	7"	18'-7 1/2"	1'-6"	6'-9"	7"	9 1/2"	10"	10 1/2"	12.25	1053	28	47	8	48	8	13'-1"	70	10	7'-8"	51	8	13'-7"	73	10	8'-2"	55	20	13'-6"	180	18'-8"	50	11'-5"	61	24	7'-9"	124	48	#4	12"	5'-11"	190	#5	12'-6"	104	8 x 6
8 x 7	12'-9 1/2"	13'-1 1/2"	7"	20'-7 1/2"	1'-6"	7'-9"	7"	9 1/2"	10"	10 1/2"	15.60	1385	32	53	8	48	8	15'-1"	81	12	8'-8"	69	8	15'-7"	83	12	9'-2"	73	24	14'-6"	232	20'-8"	55	13'-8"	73	28	8'-11"	167	76	#4	9"	6'-5"	326	#5	15'-0"	125	8 x 7
8 x 8	13'-9 1/2"	15'-1 1/2"	8"	21'-7 1/2"	2'-0"	8'-9"	7"	9 1/2"	10"	10 1/2"	19.25	1818	36	60	8	48	8	16'-2"	86	12	9'-9"	78	8	16'-8"	89	12	10'-3"	82	26	15'-0"	261	21'-8"	58	14'-9"	79	32	9'-9"	203	120	#4	6"	7'-2"	575	#6	16'-2"	194	8 x 8
9 x 5	8'-10 1/2"	9'-7 1/2"	7"	17'-8 1/2"	1'-6"	5'-9 1/2"	7"	9 1/2"	9 1/2"	10"	9.82	858	24	40	8	48	9	11'-2"	67	8	6'-9"	36	9	11'-8"	70	8	7'-3"	39	16	13'-6"	144	17'-9"	47	9'-3"	49	20	6'-7"	88	40	#4	12"	5'-5"	145	#5	10'-2"	85	9 x 5
9 x 7	12'-10 1/2"	14'-0 1/2"	7"	21'-8 1/2"	1'-6"	7'-9 1/2"	7"	9 1/2"	9 1/2"	10"	16.36	1428	32	53	8	48	9	13'-2"	79	10	7'-9"	52	9	13'-8"	82	10	8'-3"	55	20	14'-6"	194	19'-9"	53	11'-6"	61	24	7'-9"	124	52	#4	12"	5'-11"	206	#5	12'-7"	105	9 x 7
9 x 8	13'-10 1/2"	15'-2 1/2"	8"	22'-8 1/2"	2'-0"	8'-9 1/2"	7"	9 1/2"	9 1/2"	10"	20.09	1894	36	60	8	48	9	15'-3"	98	14	8'-10"	83	9	16'-9"	101	14	9'-4"	87	26	16'-0"	278	22'-9"	61	14'-10"	79	32	9'-10"	210	124	#4	6"	7'-2"	594	#6	16'-3"	195	9 x 8
9 x 9	15'-10 1/2"	17'-5 1/2"	8"	24'-8 1/2"	2'-0"	9'-9 1/2"	7"	9 1/2"	9 1/2"	10"	24.47	2563	40	67	8	48	9	16'-3"	110	16	9'-10"	105	9	18'-9"	113	16	10'-4"	110	30	17'-0"	341	24'-9"	66	17'-1"	91	36	11'-0"	265	120	#5	7"	8'-2"	1022	#6	18'-9"	225	9 x 9
10 x 5	8'-11 1/2"	9'-8 1/2"	7"	18'-9 1/2"	1'-6"	5'-10"	7 1/2"	9"	10"	10 1/2"	10.82	894	24	40	8	48	10	11'-3"	75	8	6'-10"	37	10	11'-9"	78	8	7'-4"	39	16	14'-6"	155	18'-10"	50	9'-4"	50	20	6'-8"	89	40	#4	12"	5'-6"	147	#5	10'-3"	86	10 x 5
10 x 6	10'-11 1/2"	11'-1 1/2"	7"	20'-9 1/2"	1'-6"	6'-10"	7 1/2"	9"	10"	10 1/2"	14.14	1149	28	47	8	48	10	13'-3"	89	10	7'-10"	52	10	13'-9"	92	10	8'-4"	56	20	15'-6"	207	20'-10"	56	11'-7"	62	24	7'-10"	126	52	#4	12"	6'-0"	208	#5	12'-8"	106	10 x 6
10 x 7	12'-11 1/2"	14'-1 1/2"	7"	22'-9 1/2"	1'-6"	7'-10"	7 1/2"	9"	10"	10 1/2"	17.84	1479	32	53	8	48	10	15'-3"	102	12	8'-10"	71	10	15'-9"	105	12	9'-4"	75	24	16'-6"	265	22'-10"	61	13'-10"	74	28	9'-0"	168	76	#4	9"	6'-6"	330	#5	15'-2"	127	10 x 7
10 x 8	13'-11 1/2"	15'-3 1/2"	8"	23'-9 1/2"	2'-0"	8'-10"	7 1/2"	9"	10"	10 1/2"	21.72	1849	36	60	8	48	10	16'-4"	109	14	8'-11"	83	10	16'-10"	112	14	9'-5"	88	26	17'-0"	295	23'-10"	64	14'-11"	80	32	9'-10"	210	104	#4	7"	7'-3"	504	#6	16'-4"	196	10 x 8
10 x 9	15'-11 1/2"	17'-6 1/2"	8"	25'-9 1/2"	2'-0"	9'-10"	7 1/2"	9"	10"	10 1/2"	26.36	2626	40	67	8	48	10	18'-4"	122	16	9'-11"	106	10	18'-10"	126	16	10'-5"	111	30	18'-0"	361	25'-10"	69	17'-2"	92	36	11'-0"	265	120	#5	7"	8'-3"	1033	#6	18'-10"	226	10 x 9
10 x 10	17'-11 1/2"	19'-9"	8"	27'-9 1/2"	2'-0"	10'-10"	7 1/2"	9"	10"	10 1/2"	31.41	3744	44	73	8	48	10	20'-4"	136	18	10'-11"	131	10	20'-10"	139	18	11'-5"	137	34	19'-0"	432	27'-10"	74	19'-5"	104	40	12'-2"	325	136	#6	7"	9'-3"	1890	#6	21'-3"	255	10 x 10

* Applies to fills of 8' and deeper.

