

DATA TABLE - ONE CELL REINFORCED CONCRETE BOX

DESIGN NUMBER	FILL	SPAN	HEIGHT	AREA SQ. FT.	DIMENSIONS					REINFORCING STEEL																CLASS AA CONCRETE	REINF. STEEL LB/LF	DESIGN NUMBER											
					T1	T1+1	T2	V	P	A1-BARS			A2-BARS			A3-BARS			B1-BARS			C1-BARS			A100-BARS				A200-BARS			A300-BARS			A400-BARS				
					(in.)	(in.)	(in.)	(FT.)	(FT.)	SIZE (#)	SPC. (in.)	L (FT.)	SIZE (#)	SPC. (in.)	L (FT.)	SIZE (#)	SPC. (in.)	L (FT.)	SIZE (#)	SPC. (in.)	L (FT.)	SIZE (#)	SPC. (in.)	NO.	SIZE (#)				SPC. (in.)	L (FT.)	SIZE (#)	SPC. (in.)	L (FT.)	SIZE (#)	SPC. (in.)	L (FT.)	SIZE (#)	SPC. (in.)	L (FT.)
1	3'-20'	2'	2'	4	SPECIAL DESIGN ONLY																							1											
2	3'-20'	3'	2'	6	10	11	10	3.75	4.67	4	9	3.17	4	9	5.00	4	9	3.30	4	9	2.36	4	18	28	4	9	4.33	5	9	4.33	4	9	5.33	4	9	4.33	0.426	61.676	2
3	3'-20'	3'	3'	9	10	11	10	4.75	4.67	4	9	4.17	4	9	5.00	4	9	3.30	4	9	3.36	4	18	32	4	9	4.33	5	9	4.33	4	9	5.33	4	9	4.33	0.488	67.893	3
4	3'-20'	4'	2'	8	10	11	10	3.75	5.67	4	9	3.17	4	9	5.00	4	9	3.30	4	9	2.36	4	18	32	5	9	5.33	5	9	5.33	4	9	6.33	4	9	5.33	0.491	71.052	4
5	3'-20'	4'	3'	12	10	11	10	4.75	5.67	4	9	4.17	4	9	5.00	4	9	3.30	4	9	3.36	4	18	36	5	9	5.33	5	9	5.33	4	9	6.33	4	9	5.33	0.553	77.269	5
6	3'-20'	4'	4'	16	10	11	10	5.75	5.67	4	9	5.17	4	9	5.00	4	9	3.30	4	9	4.36	4	18	40	5	9	5.33	5	9	5.33	4	9	6.33	4	9	5.33	0.614	83.485	6
7	3'-18'	5'	2'	10	10	11	10	3.75	6.67	5	9	3.33	5	9	6.00	4	9	3.30	4	9	2.36	4	18	32	5	8	6.33	5	8	6.33	4	9	7.33	4	9	6.33	0.556	89.250	7
8	3'-18'	5'	3'	15	10	11	10	4.75	6.67	4	9	4.17	4	9	5.00	4	9	3.30	4	9	3.36	4	18	36	5	8	6.33	5	8	6.33	4	9	7.33	4	9	6.33	0.617	84.066	8
9	3'-18'	5'	4'	20	10	11	10	5.75	6.67	4	9	5.17	4	9	5.00	4	9	3.30	4	9	4.36	4	18	40	5	8	6.33	5	7	6.33	4	9	7.33	4	9	6.33	0.679	91.669	9
10	3'-18'	5'	5'	25	10	11	10	6.75	6.67	4	9	6.17	4	9	5.00	4	9	3.30	4	9	5.36	4	18	40	5	8	6.33	5	7	6.33	4	9	7.33	4	9	6.33	0.741	95.224	10
11	3'-18'	5'	6'	30	10	11	12	7.75	7.00	4	8	7.17	4	8	5.00	4	8	3.30	4	8	6.36	4	18	44	5	8	6.67	5	7	6.67	4	8	7.67	4	8	6.67	0.898	109.724	11
12	3'-18'	5'	7'	35	10	11	12	8.75	7.00	5	8	8.33	5	8	6.00	4	8	3.30	4	8	7.36	4	18	48	5	8	6.67	5	7	6.67	5	8	7.83	5	8	6.67	0.972	143.196	12
13	18' < to 20'	5'	2'	10	10	11	10	3.75	6.67	5	9	3.33	5	9	6.00	4	9	3.30	4	9	2.36	4	18	32	5	8	6.33	6	8	6.33	4	9	7.33	4	9	6.33	0.556	93.611	13
14	18' < to 20'	5'	3'	15	10	11	10	4.75	6.67	5	9	4.33	5	9	6.00	4	9	3.30	4	9	3.36	4	18	36	5	7	6.33	5	7	6.33	4	9	7.33	4	9	6.33	0.617	99.239	14
15	18' < to 20'	5'	4'	20	10	11	10	5.75	6.67	5	9	5.33	5	9	6.00	4	9	3.30	4	9	4.36	4	18	40	5	7	6.33	5	7	6.33	4	9	7.33	4	9	6.33	0.679	106.454	15
16	18' < to 20'	5'	5'	25	10	11	10	6.75	6.67	5	9	6.33	5	9	6.00	4	9	3.30	4	9	5.36	4	18	40	5	7	6.33	5	7	6.33	4	9	7.33	4	9	6.33	0.741	111.005	16
17	18' < to 20'	5'	6'	30	10	11	12	7.75	7.00	5	8	7.33	5	8	6.00	4	8	3.30	4	8	6.36	4	18	44	5	7	6.67	5	7	6.67	4	8	7.67	4	8	6.67	0.898	128.537	17
18	3'-16'	6'	7'	35	11	12	12	8.92	7.00	5	8	8.42	5	8	6.17	4	6	3.39	4	6	7.45	4	18	48	5	8	6.67	5	6	6.67	5	8	7.83	5	8	6.67	1.016	153.655	18
19	3'-16'	6'	3'	18	10	11	10	4.75	7.67	5	9	4.33	5	9	6.00	4	9	3.30	4	9	3.36	4	18	40	5	8	7.33	5	6	7.33	4	9	8.33	4	9	7.33	0.682	109.389	19
20	3'-16'	6'	4'	24	10	11	10	5.75	7.67	5	9	5.33	5	9	6.00	4	9	3.30	4	9	4.36	4	18	44	5	7	7.33	5	6	7.33	4	9	8.33	4	9	7.33	0.744	116.603	20
21	3'-16'	6'	5'	30	10	11	10	6.75	7.67	5	9	6.33	5	9	6.00	4	9	3.30	4	9	5.36	4	18	44	5	6	7.33	5	6	7.33	4	9	8.33	4	9	7.33	0.806	123.296	21
22	3'-16'	6'	6'	36	11	12	12	7.92	8.00	5	8	7.42	5	8	6.17	4	8	3.39	4	8	6.45	4	18	48	5	8	7.67	5	6	7.67	4	8	8.67	4	8	7.67	1.012	138.711	22
23	3'-16'	6'	7'	42	11	12	12	8.92	8.00	5	8	8.42	5	8	6.17	4	8	3.39	4	8	7.45	4	18	52	5	8	7.67	5	6	7.67	5	8	8.83	5	8	7.67	1.087	155.674	23
24	3'-16'	6'	8'	48	11	12	12	9.92	8.00	5	7	9.42	5	7	6.17	4	8	3.39	4	8	8.45	4	18	52	5	8	7.67	5	6	7.67	5	7	8.83	5	7	7.67	1.161	171.266	24
25	16' < to 18'	6'	3'	18	11	12	10	4.92	7.67	5	8	4.42	5	8	6.17	4	9	3.39	4	9	3.45	4	18	40	5	6	7.33	5	6	7.33	4	8	8.33	4	8	7.33	0.730	118.021	25
26	16' < to 18'	6'	4'	24	11	12	10	5.92	7.67	5	9	5.42	5	9	6.17	4	9	3.39	4	9	4.45	4	18	44	5	6	7.33	6	6	7.33	4	9	8.33	4	9	7.33	0.791	126.618	26
27	16' < to 18'	6'	5'	30	11	12	10	6.92	7.67	5	9	6.42	5	9	6.17	4	9	3.39	4	9	5.45	4	18	44	5	6	7.33	6	6	7.33	5	9	8.50	5	9	7.33	0.853	139.015	27
28	16' < to 18'	6'	6'	36	11	12	12	7.92	8.00	5	8	7.42	5	8	6.17	4	8	3.39	4	8	6.45	4	18	48	5	7	7.67	6	6	7.67	5	8	8.83	5	8	7.67	1.012	159.436	28
29	16' < to 18'	6'	7'	42	11	12	12	8.92	8.00	5	8	8.42	5	8	6.17	4	8	3.39	4	8	7.45	4	18	52	5	7	7.67	6	7	7.67	5	8	8.83	5	8	7.67	1.087	161.132	29
30	16' < to 18'	6'	8'	48	11	12	12	9.92	8.00	5	7	9.42	5	7	6.17	4	8	3.39	4	8	8.45	4	18	52	5	7	7.67	6	7	7.67	5	7	8.83	5	7	7.67	1.161	176.724	30
31	18' < to 20'	6'	3'	18	12	13	10	5.08	7.67	5	9	4.50	5	9	6.33	4	9	3.47	4	9	3.53	4	18	40	5	6	7.33	6	6	7.33	5	9	8.50	5	9	7.33	0.777	128.246	31
32	18' < to 20'	6'	4'	24	12	13	10	6.08	7.67	5	9	5.50	5	9	6.33	4	9	3.47	4	9	4.53	4	18	44	5	6	7.33	6	6	7.33	5	9	8.50	5	9	7.33	0.838	135.463	32
33	18' < to 20'	6'	5'	30	12	13	10	7.08	7.67	5	9	6.50	5	9	6.33	4	9	3.47	4	9	5.53	4	18	44	7	8	7.33	6	6	7.33	5	9	8.50	5	9	7.33	0.900	147.277	33
34	18' < to 20'	6'	6'	36	12	13	12	8.08	8.00	5	8	7.50	5	8	6.33	4	8	3.47	4	8	6.53	4	18	48	5	6	7.67	6	6	7.67	5	8	8.83	5	8	7.67	1.062	162.801	34
35	18' < to 20'	6'	7'	42	12	13	12	9.08	8.00	5	8	8.50	5	8	6.33	4	8	3.47	4	8	7.53	4	18	52	5	6	7.67	7	8	7.67</									