

# Drawing Sheets

Mechanical Sheet Sizes and Settings								
Paper Size (in)	Approx. Drawing Area	Scale	Actual Sheet Limits	Approx. Drawing Limits	Text Height		Scale Factor	LTSCALE
					1/8"	1/4"		
A 11 × 8.5	9 × 7	2:1	5.5 × 4.25	4.5" × 3.5"	.0625	.125	.5	.25
		1:2	22 × 17	18" × 14"	.25	.5	2	1
		1:4	44 × 34	36" × 28"	.5	1.0	4	2
B 17 × 11	15 × 10	2:1	8.5 × 5.5	7.5" × 5"	.0625	.125	.5	.25
		1:2	34 × 22	30" × 20"	.25	.5	2	1
		1:4	68 × 44	60" × 40"	.5	1.0	4	2
C 22 × 17	20 × 15	2:1	11 × 8.5	10" × 7.5"	.0625	.125	.5	.25
		1:2	44 × 34	40" × 30"	.25	.5	2	1
		1:4	88 × 68	80" × 60"	.5	1.0	4	2
D 34 × 22	32 × 20	2:1	17 × 11	16" × 10"	.0625	.125	.5	.25
		1:2	68 × 44	64" × 40"	.25	.5	2	1
		1:4	136 × 88	128" × 80"	.5	1.0	4	2
E 44 × 34	42 × 32	2:1	22 × 17	21" × 16"	.0625	.125	.5	.25
		1:2	88 × 68	84" × 64"	.25	.5	2	1
		1:4	176 × 136	168" × 128"	.5	1.0	4	2

Metric Sheet Sizes and Settings (mm)								
Paper Size (mm)	Approx. Drawing Area	Scale	Actual Paper Limits	Approx. Drawing Limits	Text Height		Scale Factor	LTSCALE
					3	6		
A4 297 × 210	277 × 190	1 : 2	594 × 420	554 × 380	6	12	50.8	1
		1 : 5	1485 × 1050	1385 × 950	16	32	127	2
		1 : 10	2970 × 2100	2770 × 1900	32	64	254	5
		1 : 20	5940 × 4200	5540 × 3800	64	128	508	10
		1 : 50	14850 × 10500	13850 × 9500	160	320	1270	25
		1 : 100	29700 × 21000	27700 × 19000	320	640	2540	50
A3 420 × 297	400 × 277	1 : 2	820 × 594	780 × 554	6	12	50.8	1
		1 : 5	2100 × 1485	2000 × 1385	16	32	127	2
		1 : 10	4200 × 2970	4000 × 2770	32	64	254	5
		1 : 20	8400 × 5940	8000 × 5540	64	128	508	10
		1 : 50	21000 × 14850	20000 × 13850	160	320	1270	25
		1 : 100	42000 × 29700	40000 × 27700	320	640	2540	50
A2 594 × 420	577 × 400	1 : 2	1188 × 840	1148 × 800	6	12	50.8	1
		1 : 5	2970 × 2100	2870 × 2000	16	32	127	2
		1 : 10	5940 × 4200	5740 × 4000	32	64	254	5
		1 : 20	11880 × 8400	11480 × 8000	64	128	508	10
		1 : 50	29700 × 21000	28700 × 20000	160	320	1270	25
		1 : 100	59400 × 42000	57400 × 40000	320	640	2540	50
A1 841 × 594	801 × 554	1 : 2	1682 × 1188	1642 × 1148	6	12	50.8	1
		1 : 5	4205 × 2970	4105 × 2870	16	32	127	2
		1 : 10	8410 × 5940	8210 × 5740	32	64	254	5
		1 : 20	16820 × 11880	16420 × 11480	64	128	508	10
		1 : 50	42050 × 29700	41050 × 28700	160	320	1270	25
		1 : 100	84100 × 59400	82100 × 57400	320	640	2540	50
A0 1189 × 841	1149 × 801	1 : 2	2378 × 1682	2338 × 1642	6	12	50.8	1
		1 : 5	5945 × 4205	5845 × 4105	16	32	127	2
		1 : 10	11890 × 8410	11690 × 8210	32	64	254	5
		1 : 20	23780 × 16820	23380 × 16420	64	128	508	10
		1 : 50	59450 × 42050	58450 × 41050	160	320	1270	25
		1 : 100	118900 × 84100	116900 × 82100	320	640	2540	50

Architectural Sheet Sizes and Settings								
Paper Size (in)	Approx. Drawing Area	Scale	Actual Sheet Limits	Approx. Drawing Limits	Text Height		Scale Factor	LTSCALE
					1/8"	1/4"		
A 12 × 9	10 × 7.5	1" = 1'-0"	12' × 9'	10' × 7.5'	1.5	3.0	12	6
		1/2" = 1'-0"	24' × 18'	20' × 15'	3.0	6.0	24	12
		1/4" = 1'-0"	48' × 36'	40' × 30'	6.0	12.0	48	24
		1/8" = 1'-0"	96' × 72'	80' × 60'	12.0	24.0	96	48
B 18 × 12	16 × 11	1" = 1'-0"	18' × 12'	16' × 11'	1.5	3.0	12	6
		1/2" = 1'-0"	36' × 24'	32' × 20'	3.0	6.0	24	12
		1/4" = 1'-0"	72' × 48'	64' × 40'	6.0	12.0	48	24
		1/8" = 1'-0"	144' × 96'	128' × 80'	12.0	24.0	96	48
C 24 × 18	22 × 16	1" = 1'-0"	24' × 18'	22' × 16'	1.5	3.0	12	6
		1/2" = 1'-0"	48' × 36'	44' × 32'	3.0	6.0	24	12
		1/4" = 1'-0"	96' × 72'	88' × 64'	6.0	12.0	48	24
		1/8" = 1'-0"	192' × 144'	176' × 28'	12.0	24.0	96	48
D 36 × 24	34 × 22	1" = 1'-0"	36' × 24'	34' × 22'	1.5	3.0	12	6
		1/2" = 1'-0"	72' × 48'	68' × 44'	3.0	6.0	24	12
		1/4" = 1'-0"	144' × 96'	136' × 88'	6.0	12.0	48	24
		1/8" = 1'-0"	288' × 192'	272' × 176'	12.0	24.0	96	48
E 48 × 36	46 × 34	1" = 1'-0"	48' × 36'	46' × 34'	1.5	3.0	12	6
		1/2" = 1'-0"	96' × 72'	92' × 68'	3.0	6.0	24	12
		1/4" = 1'-0"	192' × 144'	184' × 136'	6.0	12.0	48	24
		1/8" = 1'-0"	384' × 288'	368' × 272'	12.0	24.0	96	48

Civil Sheet Sizes and Settings								
Paper Size (in)	Approx. Drawing Area	Scale	Actual Sheet Limits	Approx. Drawing Limits	Text Height		Scale Factor	LTSCALE
					1/8"	1/4"		
A 11 × 8.5	9 × 7	1" = 10'	110' × 85'	90' × 70'	15	30	120	60
		1" = 20'	220' × 170'	180' × 140'	30	60	240	120
		1" = 30'	330' × 255'	270' × 210'	45	90	360	180
		1" = 50'	550' × 425'	450' × 350'	75	150	600	300
B 17 × 11	15 × 10	1" = 10'	170' × 110'	150' × 100'	15	30	120	60
		1" = 20'	340' × 220'	300' × 200'	30	60	240	120
		1" = 30'	510' × 330'	450' × 300'	45	90	360	180
		1" = 50'	850' × 550'	750' × 500'	75	150	600	300
C 22 × 17	20 × 15	1" = 10'	220' × 170'	200' × 150'	15	30	120	60
		1" = 20'	440' × 340'	400' × 300'	30	60	240	120
		1" = 30'	660' × 510'	600' × 450'	45	90	360	180
		1" = 50'	1100' × 850'	1000' × 750'	75	150	600	300
D 34 × 22	32 × 20	1" = 10'	340' × 220'	320' × 200'	15	30	120	60
		1" = 20'	680' × 440'	640' × 400'	30	60	240	120
		1" = 30'	1020' × 660'	960' × 600'	45	90	360	180
		1" = 50'	1700' × 1100'	1600' × 1000'	75	150	600	300
E 44 × 34	42 × 32	1" = 10'	440' × 340'	420' × 320'	15	30	120	60
		1" = 20'	880' × 680'	840' × 640'	30	60	240	120
		1" = 30'	1320' × 1020'	1260' × 960'	45	90	360	180
		1" = 50'	2200' × 1700'	2100' × 1600'	75	150	600	300

Template Drawing Sheet Parameters			
Drawing Scale	D-size (34" × 22") Drawing Limits	C-size (22" × 17") Drawing Limits	B-size (17" × 11") Drawing Limits
1:1	34,22	22,17	17,11
1:2	68,44	44,34	34,22
1:4	136,88	88,68	68,44
1:8	272,176	176,136	136,88
1" = 1'-0"	408,264	264,204	204,132
3/4" = 1'-0"	544,352	352,272	272,176
1/2" = 1'-0"	816,528	528,408	408,264
3/8" = 1'-0"	1088,704	704,544	544,352
1/4" = 1'-0"	1632,1056	1056,816	816,528
3/16" = 1'-0"	2176,1408	1408,1088	1088,704
1/8" = 1'-0"	3264,2112	2112,1632	1632,1056
3/32" = 1'-0"	4352,2816	2816,2176	2176,1408
1/16" = 1'-0"	6528,4224	4224,3264	3264,2112

Template Drawing Scale Parameters			
Drawing Scale	Dimension Scale (DIMSCALE)	Linetype Scale (LTSCALE)	Inversion Scale of Border and Parts List Blocks
1:1	1	.5	1 = 1
1:2	2	1	1 = 2
1:4	4	2	1 = 4
1:8	8	4	1 = 8
1" = 1'-0"	12	6	1 = 12
3/4" = 1'-0"	16	8	1 = 16
1/2" = 1'-0"	24	12	1 = 24
3/8" = 1'-0"	32	16	1 = 32
1/4" = 1'-0"	48	24	1 = 48
3/16" = 1'-0"	64	32	1 = 64
1/8" = 1'-0"	96	48	1 = 96
3/32" = 1'-0"	128	64	1 = 128
1/16" = 1'-0"	192	96	1 = 192