

# AutoCAD and Its Applications **Advanced**

## Reference Material

### Drawing Sheet Sizes, Settings, and Scale Parameters

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" = 1"	68,44	44,34	34,22
1/4" = 1"	136,88	88,68	68,44
1/8" = 1"	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 & Parts List Blocks
1" = 1"	1	.5	1 = 1
1/2" = 1"	2	1	1 = 2
1/4" = 1"	4	2	1 = 4
1/8" = 1"	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

## 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" 1/2" = 1'-0" 1/4" = 1'-0" 1/8" = 1'-0"	12' × 9' 24' × 18' 48' × 36' 96' × 72'	10' × 7.5' 20' × 15' 40' × 30' 80' × 60'	1.5 3.0 6.0 12.0	3.0 6.0 12.0 24.0	12 24 48 96	6 12 24 48
B 18 × 12	16 × 11	1" = 1'-0" 1/2" = 1'-0" 1/4" = 1'-0" 1/8" = 1'-0"	18' × 12' 36' × 24' 72' × 48' 144' × 96'	16' × 11' 32' × 20' 64' × 40' 128' × 80'				
C 24 × 18	22 × 16	1" = 1'-0" 1/2" = 1'-0" 1/4" = 1'-0" 1/8" = 1'-0"	24' × 18' 48' × 36' 96' × 72' 192' × 144'	22' × 16' 44' × 32' 88' × 64' 176' × 28'				
D 36 × 24	34 × 22	1" = 1'-0" 1/2" = 1'-0" 1/4" = 1'-0" 1/8" = 1'-0"	36' × 24' 72' × 48' 144' × 96' 288' × 192'	34' × 22' 68' × 44' 136' × 88' 272' × 176'				
E 48 × 36	46 × 34	1" = 1'-0" 1/2" = 1'-0" 1/4" = 1'-0" 1/8" = 1'-0"	48' × 36' 96' × 72' 192' × 144' 384' × 288'	46' × 34' 92' × 68' 184' × 136' 368' × 272'				

## 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" 3/4" = 1" 1/2" = 1" 1/4" = 1"	5.5 × 4.25 14.67 × 11.33 22 × 17 44 × 34	4.5" × 3.5" 12" × 9.33" 18" × 14" 36" × 28"	.0625 .167 .25 .5	.125 .33 .5 1.0	.5 1.33 2 4	.25 .67 1 2
B 17 × 11	15 × 10	2" = 1" 3/4" = 1" 1/2" = 1" 1/4" = 1"	8.5 × 5.5 22.67 × 14.67 34 × 22 68 × 44	7.5" × 5" 20" × 13.33" 30" × 20" 60" × 40"				
C 22 × 17	20 × 15	2" = 1" 3/4" = 1" 1/2" = 1" 1/4" = 1"	11 × 8.5 29.33 × 14.67 44 × 34 88 × 68	10" × 7.5" 26.67" × 20" 40" × 30" 80" × 60"				
D 34 × 22	32 × 20	2" = 1" 3/4" = 1" 1/2" = 1" 1/4" = 1"	17 × 11 45.33 × 29.33 68 × 44 136 × 88	16" × 10" 42.67" × 26.67" 64" × 40" 128" × 80"				
E 44 × 34	42 × 32	2" = 1" 3/4" = 1" 1/2" = 1" 1/4" = 1"	22 × 17 58.67 × 45.33 88 × 68 176 × 136	21" × 16" 56" × 42.67" 84" × 64" 168" × 128"				

## 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' 1" = 20' 1" = 30' 1" = 50'	110' × 85' 220' × 170' 330' × 255' 550' × 425'	90' × 70' 180' × 140' 270' × 210' 450' × 350'	15 30 45 75	30 60 90 150	120 240 360 600	60 120 180 300
B 17 × 11	15 × 10	1" = 10' 1" = 20' 1" = 30' 1" = 50'	170' × 110' 340' × 220' 510' × 330' 850' × 550'	150' × 100' 300' × 200' 450' × 300' 750' × 500'				
C 22 × 17	20 × 15	1" = 10' 1" = 20' 1" = 30' 1" = 50'	220' × 170' 440' × 340' 660' × 510' 1100' × 850'	200' × 150' 400' × 300' 600' × 450' 1000' × 750'				
D 34 × 22	32 × 20	1" = 10' 1" = 20' 1" = 30' 1" = 50'	340' × 220' 680' × 440' 1020' × 660' 1700' × 1100'	320' × 200' 640' × 400' 960' × 600' 1600' × 1000'				
E 44 × 34	42 × 32	1" = 10' 1" = 20' 1" = 30' 1" = 50'	440' × 340' 880' × 680' 1320' × 1020' 2200' × 1700'	420' × 320' 840' × 640' 1260' × 960' 2100' × 1600'				