

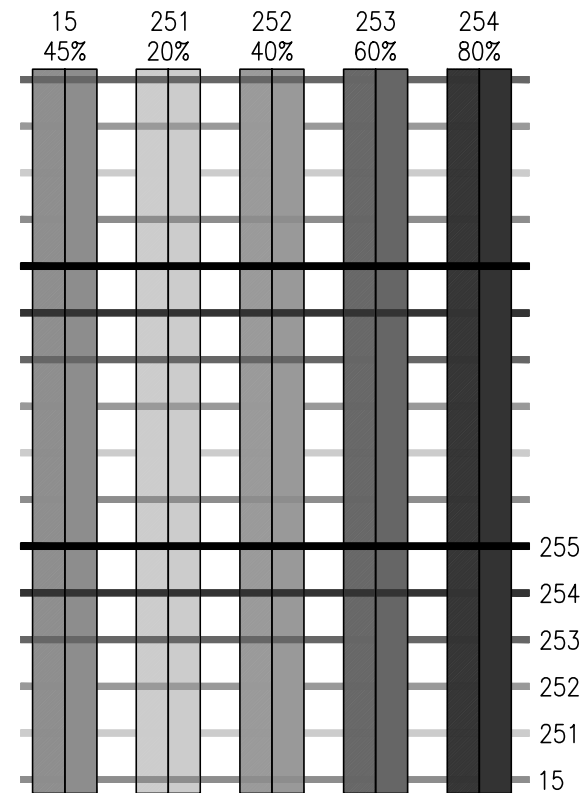
# AUTOCAD STANDARD LIGHTWEIGHTS

lineweight plotting (mm)

|             |      |      |
|-------------|------|------|
| thin        | 0.00 | 0.80 |
|             | 0.05 | 0.90 |
|             | 0.09 | 1.00 |
|             | 0.13 | 1.06 |
| text        | 0.15 | 1.20 |
|             | 0.18 | 1.40 |
| blocks/text | 0.20 | 1.58 |
|             | 0.25 | 2.00 |
| blocks      | 0.30 | 2.11 |
|             | 0.35 |      |
|             | 0.40 |      |
| brdr        | 0.50 |      |
|             | 0.53 |      |
| title/rev   | 0.60 |      |
|             | 0.70 |      |

| DESC    | COLOR | DESC    | COLOR  |
|---------|-------|---------|--------|
| FIXTURE | 30    | TEXT    | 95     |
| FIXTAG  | 72    | ELEC    | 30     |
|         |       | BRDR    | 152/33 |
| RECEPT. | 51    | DETAILS | 51     |
| COMM    | 11    | CIRCUIT | 65     |
| FIRE    | 240   |         |        |
| SOUND   | 151   |         |        |

Y (green)  
X (red)



AutoCAD Layout and pen settings edited: JUL 2014

DESIGNERS GUIDE

## AUTOCAD Prototype sheets – 24" x 36"

| Scale          | Zoom XP factor | Scale factor | Conversion Scale* | Limits      | LTSCALE | DIMSCALE = 1<br>TXT/ARO |
|----------------|----------------|--------------|-------------------|-------------|---------|-------------------------|
| 1/32" = 1'-0"  | 1/384XP        | 384          | 4.0               | 1152' 768'  | 60.0    | 32" 48"                 |
| 1/16" = 1'-0"  | 1/192XP        | 192          | 2.0               | 576' 384'   | 40.0    | 16" 24"                 |
| 3/32" = 1'-0"  | 1/128XP        | 128          | 1.3333            | 384' 256'   | 26.666  | 11" 16"                 |
| 1/8" = 1'-0"   | 1/96XP         | 96           | 1.0               | 288' 192'   | 20.0    | 8" 12"                  |
| 1/4" = 1'-0"   | 1/48XP         | 48           | 0.5               | 144' 96'    | 10.0    | 4" 6"                   |
| 3/8" = 1'-0"   | 1/32XP         | 32           | 0.3333            | 96' 64'     | 6.666   | 2.6664" 3.9996"         |
| 1/2" = 1'-0"   | 1/24XP         | 24           | .25               | 48' 32'     | 5.0     | 2" 3"                   |
| 3/4" = 1'-0"   | 1/16XP         | 16           | 0.1666            | 56' 40'     | 3.333   | 1.3328" 1.9992"         |
| 1" = 1'-0"     | 1/12XP         | 12           | .125              | 36' 24'     | 2.5     | 1" 1.5"                 |
| 1 1/2" = 1'-0" | 1/8XP          | 8            | 0.0833            | 24' 16'     | 1.666   | .6663" .9996"           |
| 3" = 1'-0"     | 1/4XP          | 4            | 0.0416            | 12' 8'      | 0.832   | .3328" .4992"           |
| 1" = 10'-0"    | 1/120XP        | 120          | 1.25              | 360' 240'   | 25      | 10" 15"                 |
| 1" = 20'-0"    | 1/240XP        | 240          | 2.5               | 720' 480'   | 50      | 20" 30"                 |
| 1" = 30'-0"    | 1/360XP        | 360          | 3.75              | 1080' 720'  | 75      | 30" 45"                 |
| 1" = 40'-0"    | 1/480XP        | 480          | 5.0               | 1440' 960'  | 100     | 40" 60"                 |
| 1" = 50'-0"    | 1/600XP        | 600          | 6.25              | 1800' 1200' | 125     | 50" 75"                 |
| 1" = 60'-0"    | 1/720XP        | 720          | 7.5               | 2160' 1440' | 150     | 60" 90"                 |
| 1" = 80'-0"    | 1/960XP        | 960          | 10.0              | 2880' 1920' | 200     | 80" 120"                |

SCALELISTEDIT  
1:1 – 1,1  
1:2 – 1,2  
1:4 – 1,4  
1:5 – 1,5  
1:8 – 1,8

TO FIND SCALE:  
DESIRED / ACTUAL  
= SCALE FACTOR

1" = 80'-0" – 1,960 (12 x 80)  
1" = 40'-0" – 1,480 (12 x 40)  
1" = 20'-0" – 1,240 (12 x 20)  
1/32" = 1'-0" – 0.03125,12  
1/16" = 1'-0" – 0.0625,12  
3/32" = 1'-0" – 0.09375,12

1/8" = 1'-0" – 0.125,12  
1/4" = 1'-0" – 0.25,12  
3/8" = 1'-0" – 0.375,12  
1/2" = 1'-0" – 0.5,12  
1-1/2" = 1'-0" – 1.5,12  
1'-0" = 1'-0" – 12,12

1 ROLL OF PAPER 30" x 500" #20 BOND = \$56 (142, 30" x 42" SHEETS = \$0.39 PER PAGE)

## AutoCAD Prototype sheets – 42" x 30"

| Scale          | Zoom XP factor | Scale factor | Conversion Scale* | Limits      | LTSCALE | DIMSCALE = 1<br>TXT/ARO |
|----------------|----------------|--------------|-------------------|-------------|---------|-------------------------|
| 1/32" = 1'-0"  | 1/384XP        | 384          | 4.0               | 1344' 960'  | 60.0    | 32" 48"                 |
| 1/16" = 1'-0"  | 1/192XP        | 192          | 2.0               | 672' 480'   | 40.0    | 16" 24"                 |
| 3/32" = 1'-0"  | 1/128XP        | 128          | 1.3333            | 448' 320'   | 26.666  | 11" 16"                 |
| 1/8" = 1'-0"   | 1/96XP         | 96           | 1.0               | 336' 240'   | 20.0    | 8" 12"                  |
| 1/4" = 1'-0"   | 1/48XP         | 48           | 0.5               | 168' 120'   | 10.0    | 4" 6"                   |
| 3/8" = 1'-0"   | 1/32XP         | 32           | 0.3333            | 112' 80'    | 6.666   | 2.6664" 3.9996"         |
| 1/2" = 1'-0"   | 1/24XP         | 24           | .25               | 84' 60'     | 5.0     | 2" 3"                   |
| 3/4" = 1'-0"   | 1/16XP         | 16           | 0.1666            | 56' 40'     | 3.333   | 1.3328" 1.9992"         |
| 1" = 1'-0"     | 1/12XP         | 12           | .125              | 42' 30'     | 2.5     | 1" 1.5"                 |
| 1 1/2" = 1'-0" | 1/8XP          | 8            | 0.0833            | 28' 20'     | 1.666   | .6663" .9996"           |
| 3" = 1'-0"     | 1/4XP          | 4            | 0.0416            | 14' 10'     | 0.832   | .3328" .4992"           |
| 1" = 10'-0"    | 1/120XP        | 120          | 1.25              | 420' 300'   | 25      | 10" 15"                 |
| 1" = 20'-0"    | 1/240XP        | 240          | 2.5               | 840' 600'   | 50      | 20" 30"                 |
| 1" = 30'-0"    | 1/360XP        | 360          | 3.75              | 1260' 900'  | 75      | 30" 45"                 |
| 1" = 40'-0"    | 1/480XP        | 480          | 5.0               | 1680' 1200' | 100     | 40" 60"                 |
| 1" = 50'-0"    | 1/600XP        | 600          | 6.25              | 2100' 1500' | 125     | 50" 75"                 |
| 1" = 60'-0"    | 1/720XP        | 720          | 7.5               | 2520' 1800' | 150     | 60" 90"                 |
| 1" = 80'-0"    | 1/960XP        | 960          | 10.0              | 3360' 2400' | 200     | 80" 120"                |

Example of 1/8" sheet:  
12"/.125" = 96" x 42" = 4032"/12 = 336'  
12"/.125" = 96" x 30" = 2880"/12 = 240'

Example of 1" = 20'-0" sheet:  
20' x 42" = 840'  
20' x 30" = 600'

SCALELISTEDIT – DIALOG FOR EDITING DRAWING SCALE.

CHART ACAD