

# NYCCTfab

## LASER CUTTING

### Scale Conversion Chart

| <b>Architectural Scale</b><br>x inches = 1 foot | <b>Scale Factor</b><br>1:(12/x) | <b>Decimal Value</b><br>x/12 |
|---|---------------------------------|------------------------------|
| 1' = 1'-0"                                      | 1:1                             | 1.000000                     |
| 6" = 1'-0"                                      | 1:2                             | 0.500000                     |
| 3" = 1'-0"                                      | 1:4                             | 0.250000                     |
| 1-1/2" = 1'-0"                                  | 1:8                             | 0.125000                     |
| 1" = 1'-0"                                      | 1:12                            | 0.083333                     |
| 3/4" = 1'-0"                                    | 1:16                            | 0.062500                     |
| 1/2" = 1'-0"                                    | 1:24                            | 0.041667                     |
| 3/8" = 1'-0"                                    | 1:32                            | 0.031250                     |
| 1/4" = 1'-0"                                    | 1:48                            | 0.020833                     |
| 3/16" = 1'-0"                                   | 1:64                            | 0.015625                     |
| 1/8" = 1'-0"                                    | 1:96                            | 0.010417                     |
| 3/32" = 1'-0"                                   | 1:128                           | 0.007813                     |
| 1/16" = 1'-0"                                   | 1:192                           | 0.005208                     |
| 1/32" = 1'-0"                                   | 1:384                           | 0.002604                     |
| 1/64" = 1'-0"                                   | 1:768                           | 0.001302                     |
| 1/128" = 1'-0"                                  | 1:1536                          | 0.000651                     |