

ARCHITECTURAL VS ENGINEERING SCALE

Why do we use scales? Scale drawings are a useful tool because they can be used to plan, visualize and adjust projects before breaking ground. The actual project is represented at a smaller size so that it can fit on a sheet of paper or represented as a physical scale model. Using a particular scale allows people in the AEC industry to be able take measurements accurately.

Architectural Scales: Typically used for measuring elements of a building. This may include floorplans, elevations, sections, and details parts of a building.

Engineering Scale: Generally used to measure greater distances. This may include site plans, road ways, and overall dimensions of a building.

ARCHITECTURAL

DRAWING SCALE	Architectural Scale Ruler	Engineering Scale Ruler
$1/16" = 1'-0"$		
$3/32" = 1'-0"$		
$1/8" = 1'-0"$		
$3/16" = 1'-0"$		
$1/4" = 1'-0"$		
$3/8" = 1'-0"$		
$1/2" = 1'-0"$		
$3/4" = 1'-0"$		
$1" = 1'-0"$		
$1\ 1/2" = 1'-0"$		
$3" = 1'-0"$		

ENGINEERING

DRAWING SCALE	Architectural Scale Ruler	Engineering Scale Ruler
$1" = 10'-0"$		
$1" = 20'-0"$		
$1" = 30'-0"$		
$1" = 40'-0"$		
$1" = 50'-0"$		
$1" = 60'-0"$		