**Attach**

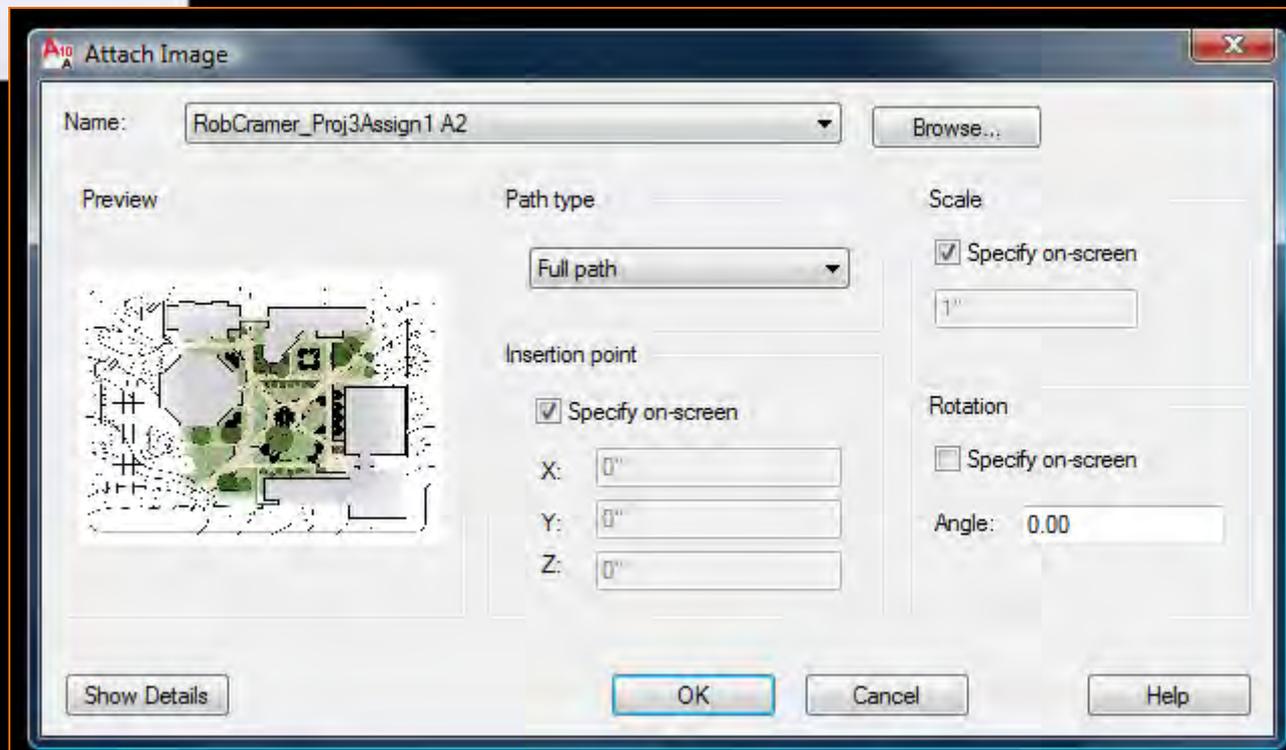
Insert an xref, image, DWF, DWFx, PDF, or DGN file into the current drawing

**ATTACH**

Press F1 for more help

To insert an image such as a .JPG for use as an underlay, go to the **Insert** tab, then select **Attach**.

Select **Full Path** from the menu.



Command: Specify opposite corner:  
 Command: Specify opposite corner:  
 Command: `_.erase` 1 found  
 Command:

Draw a box to place the object on your screen in **model space**. Place this object on its own **layer** that can be turned on and off.



Ortho: 1'-1 5/16" < 0.00°

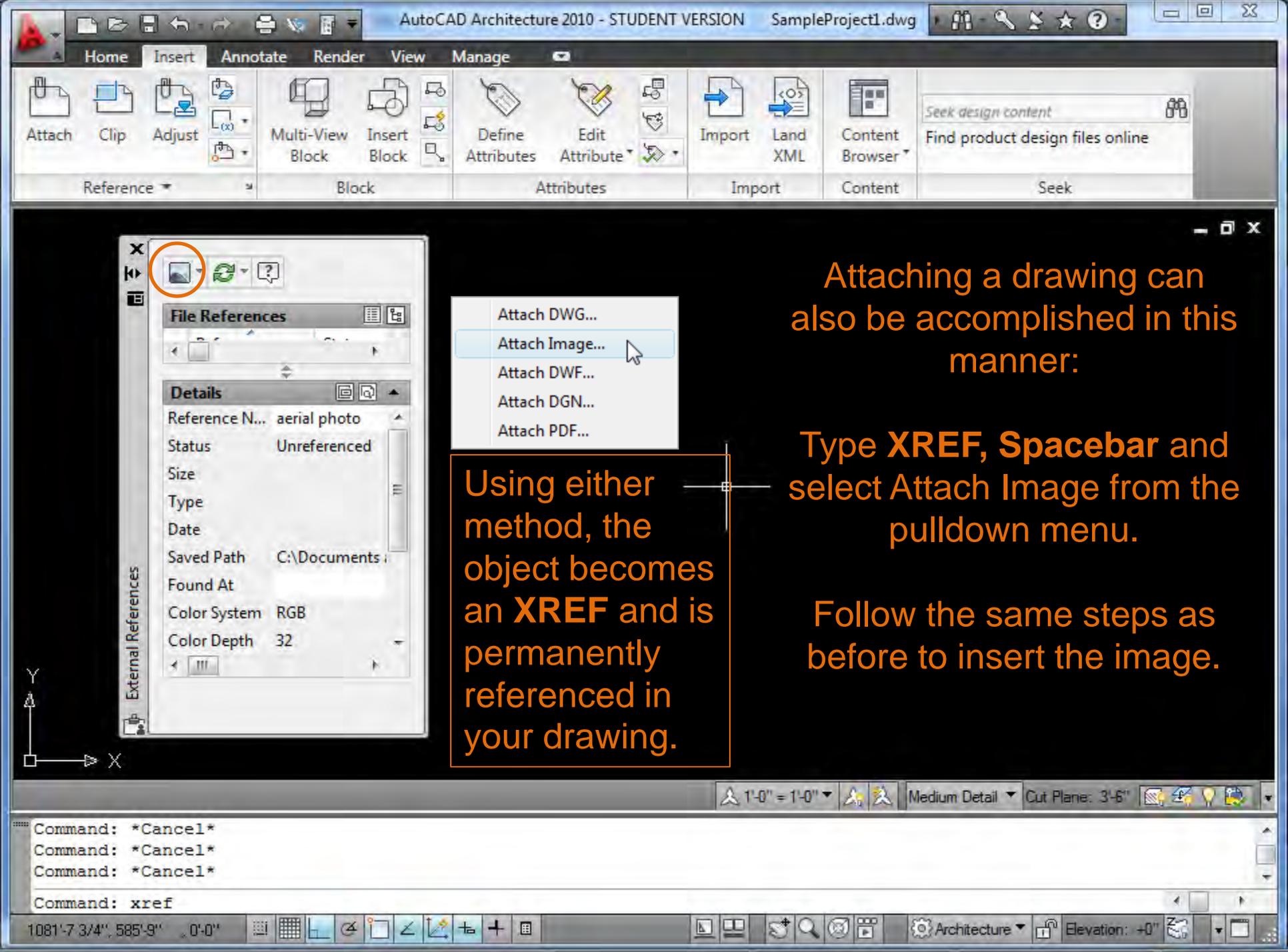
Command: ATTACH  
Specify insertion point <0,0>:  
Base image size: Width: 11.000000, Height: 8.320000, Inches  
Specify scale factor or [Unit] <1>:

1.0831E+04, 631'-0 3/16", 0'-0"

Specify insertion point <0,0>:  
Base image size: Width: 11.000000, Height: 8.320000, Inches  
Specify scale factor or [Unit] <1>:

Command:

939'-1 1/2", 632'-8 1/8", 0'-0"

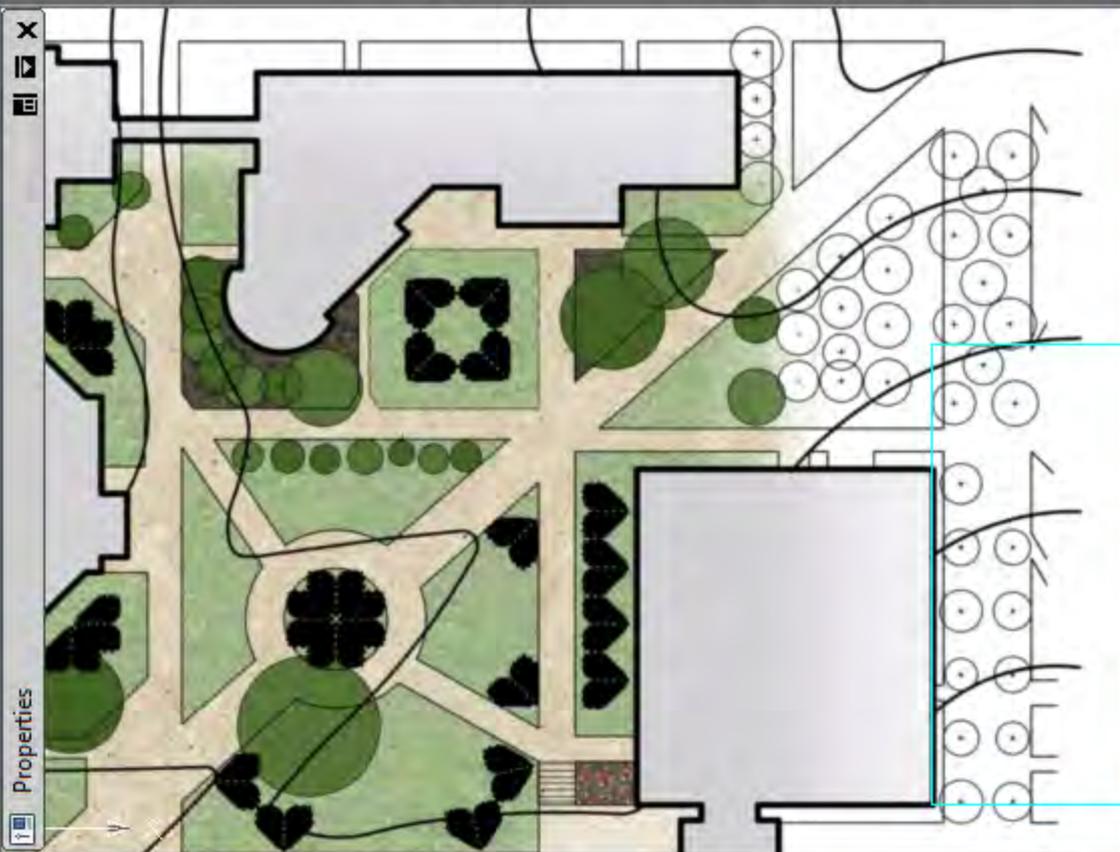


Attaching a drawing can also be accomplished in this manner:

Type **XREF**, **Spacebar** and select **Attach Image** from the pulldown menu.

Follow the same steps as before to insert the image.

Using either method, the object becomes an **XREF** and is permanently referenced in your drawing.



Once an image is in your drawing, you may scale it *relative to another object*.

This is especially useful if a drawing will be used as an underlay for an AutoCAD drawing (ie, a site plan or an element with complex geometry).

Command: \*Cancel\*

Command: xref

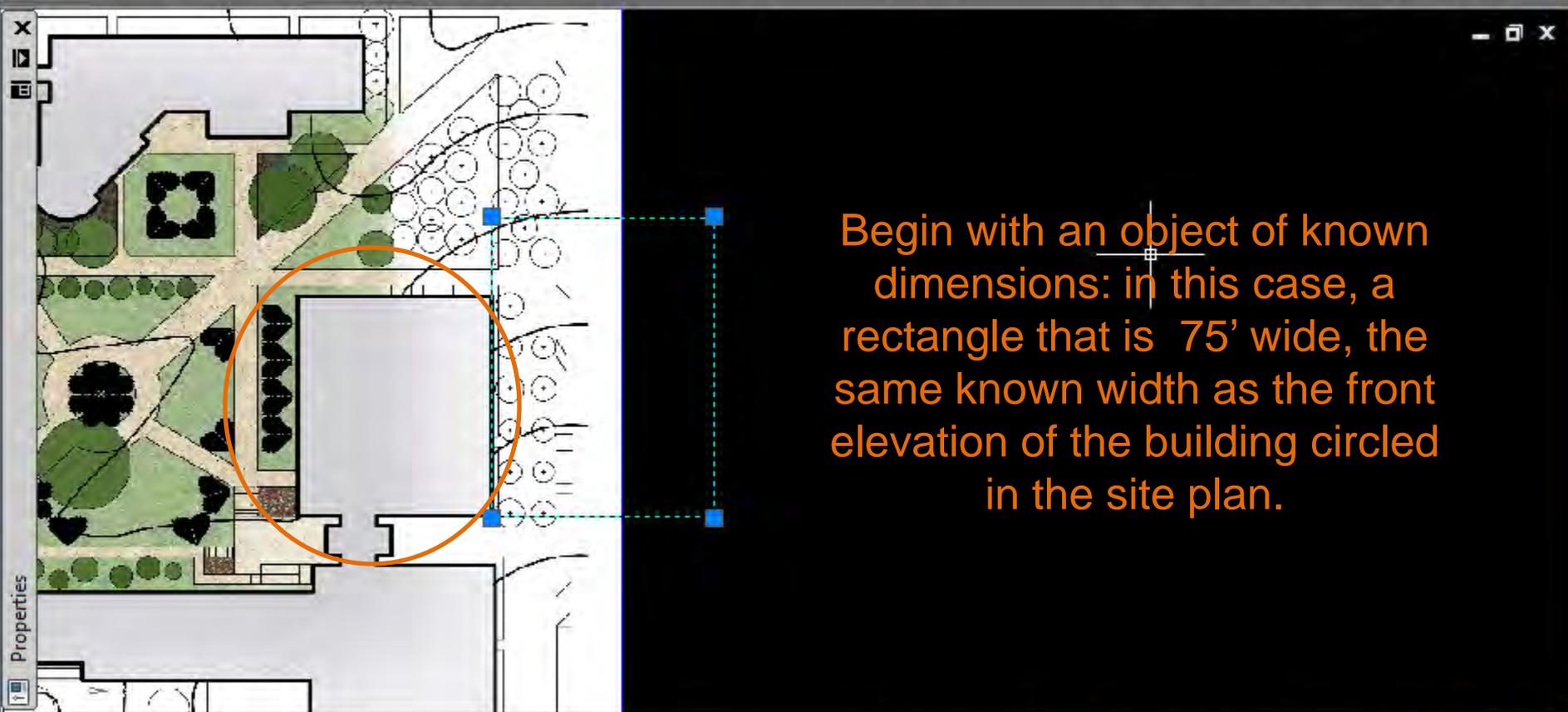
Command: Specify opposite corner:

Command:

921'-4 3/4", 640'-2 7/16", 0'-0"

Architecture

Elevation: +0'



Begin with an object of known dimensions: in this case, a rectangle that is 75' wide, the same known width as the front elevation of the building circled in the site plan.

1'-0" = 1'-0" Medium Detail Cut Plane: 3'-6"

Press ESC or ENTER to exit, or right-click to display shortcut menu.

Command: \*Cancel\*

Command:

Command:

925'-8 1/4", 7.6680E+03 , 0'-0"

Architecture Elevation: +0"

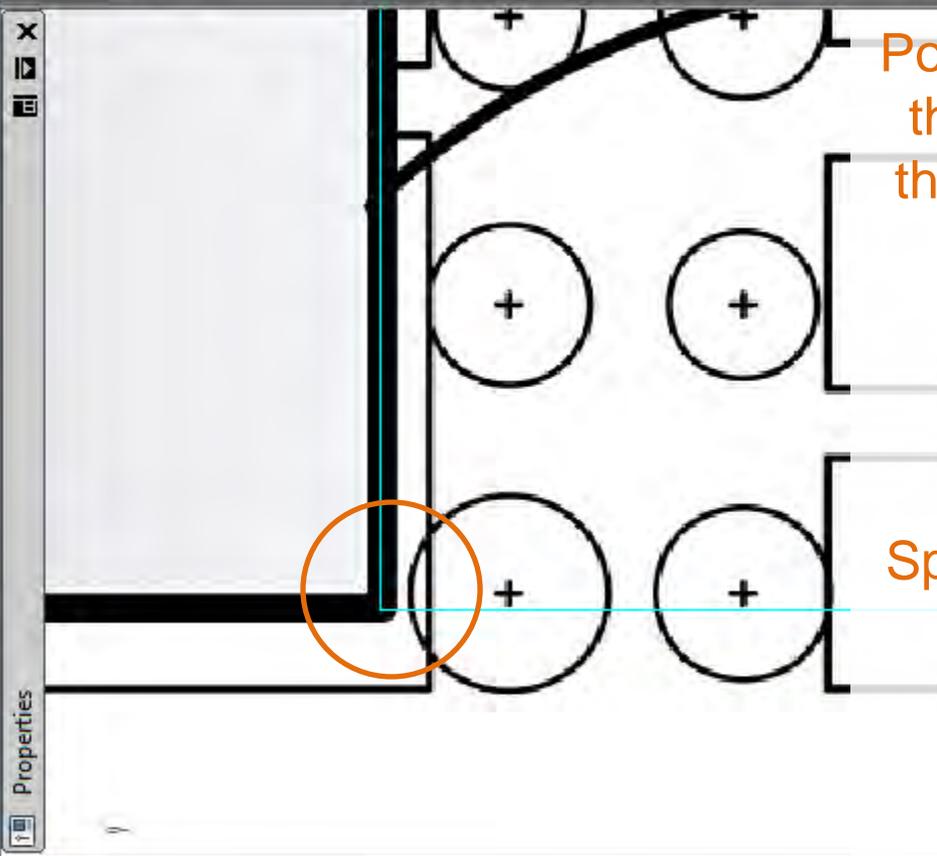


Position the reference object adjacent to the image you will be scaling, aligning their basepoints (the corner from which you will start measuring).

Select the object to be scaled.  
Type **SC**, Spacebar.

Specify the **basepoint** of the object that will be scaled up or down.

Following the prompts, type **R** for reference.



Command:  
Command: p PAN  
Press ESC or ENTER to exit, or right-click to display shortcut menu.

Command:

917'-10 7/8" . 635'-9 5/8" . 0'-0"

Architecture

Elevation: +0"

Brightness

Contrast

Fade

Create Clipping  
BoundaryRemove  
ClippingShow  
Image

Transparency

External References

Adjust

Clipping

Options

Select the object to be scaled.  
Type **SC**, **Spacebar**.

Specify the **basepoint** of the object that will be scaled up or down  
(indicated here as "endpoint").

Following the prompts, type **R** for reference.

Endpoint

Command:

Command: sc SCALE 1 found

Specify base point:

Specify scale factor or [Copy/Reference] &lt;0'-1"&gt;: r

916'-4 7/16", 635'-2 3/4", 0'-0"

Architecture

Elevation: +0"

Brightness

Contrast

Fade

Create Clipping  
BoundaryRemove  
ClippingShow  
Image

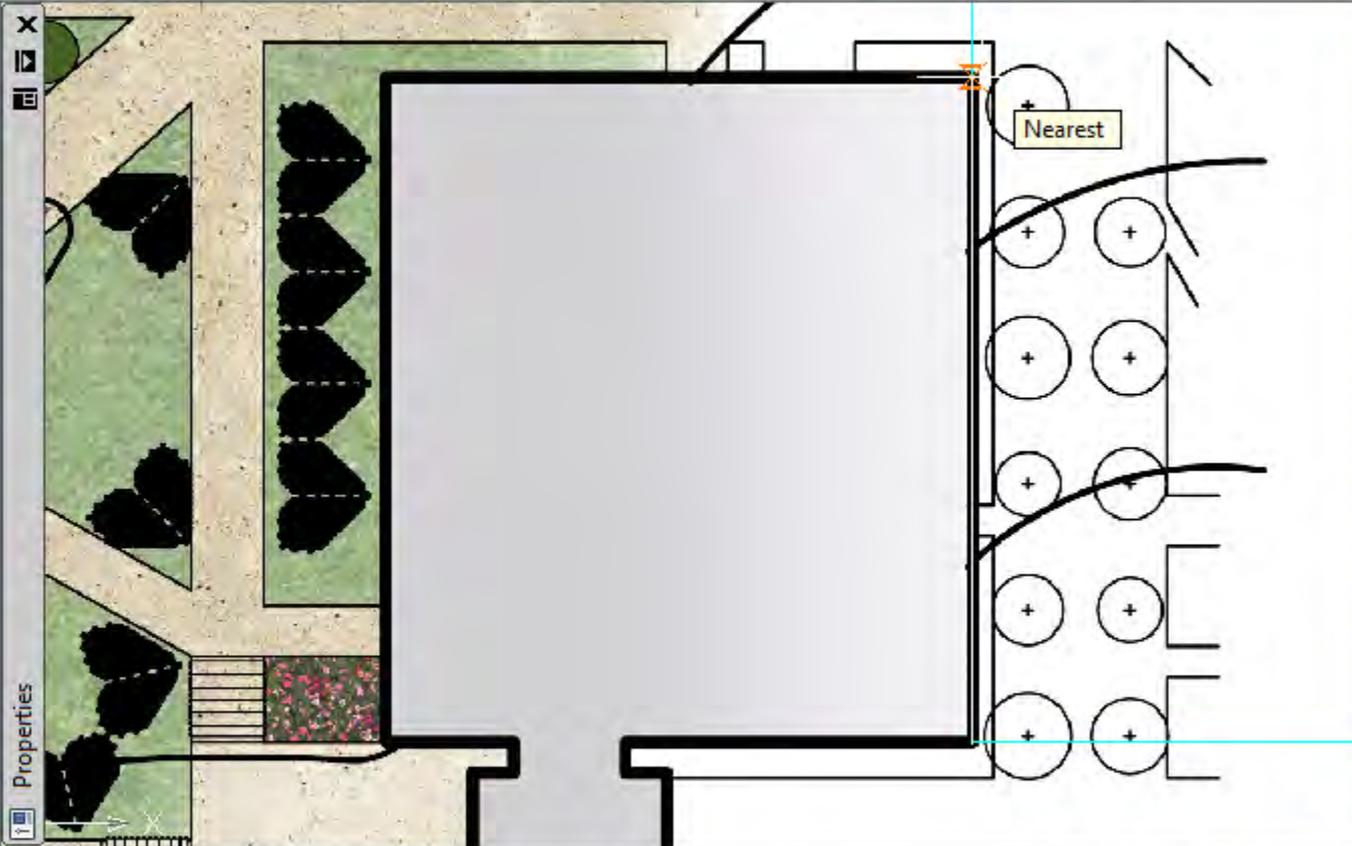
Transparency

External References

Adjust

Clipping

Options



To specify a reference length, clicking again on the **basepoint** and on the far endpoint of the object to be scaled up or down (indicated here as "nearest").

Command: `sc SCALE 1 found`

Specify base point:

Specify scale factor or [Copy/Reference] <0'-1">: `r`

Specify reference length &lt;4'-6 5/8"&gt;: Specify second point: &lt;Ortho on&gt;

916'-4 7/16", 638'-4 7/16", 0'-0"

Architecture

Elevation: +0"

Brightness

Contrast

Fade

Create Clipping  
BoundaryRemove  
ClippingShow  
Image

Transparency

External References

Adjust

Clipping

Options



To specify the new length, click on the end point of the reference object, extending or shrinking your object as you move your mouse.

Your object will be scaled to match that new length.

Specify base point:

Specify scale factor or [Copy/Reference] &lt;0'-1"&gt;: r

Specify reference length &lt;4'-6 5/8"&gt;: Specify second point: &lt;Ortho on&gt;

Specify new length or [Points] &lt;0'-1"&gt;:

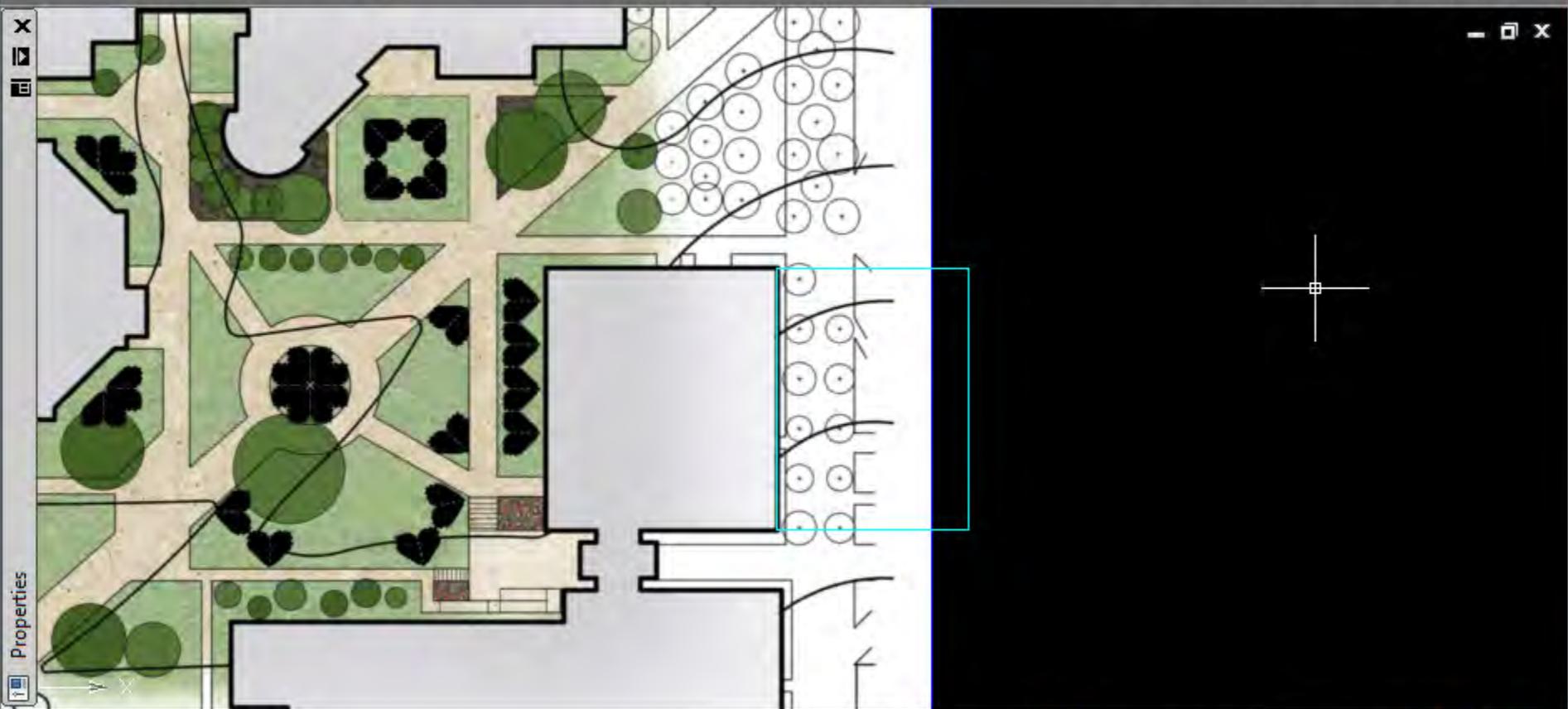
916'-4 7/16", 639'-6 3/8", 0'-0"

Architecture

Elevation: +0"

Tools: Build, Draw, Modify, Layers, Annotation, Section & Elevation, Details, View

Match Properties, Unsaved Layer State, A-PLAN-primary



Properties

1'-0" = 1'-0" Medium Detail Cut Plane: 3'-6"

Specify scale factor or [Copy/Reference] <0'-1">: r  
 Specify reference length <4'-6 5/8">: Specify second point: <Ortho on>  
 Specify new length or [Points] <0'-1">:

Command: 925'-1 9/16", 639'-2 5/8", 0'-0"

Architecture Elevation: +0"