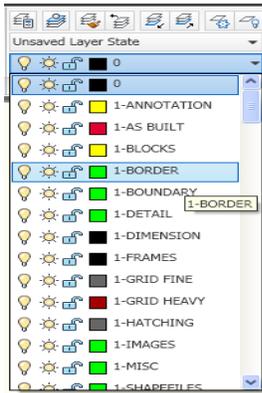


Layers are used to organize and control the display of objects in a drawing. This guide covers the commonly used commands for working with layers. All of the commands in this guide are located on the *Layers* panel on the *Home* ribbon.



Objects drafted in a drawing are automatically placed on the layer that is set current. The current layer is displayed on the *Layers* panel on the *Home* ribbon. To change the current layer, click on the down arrow to the right of the layer name on the panel, and select a layer from the drop-down list.

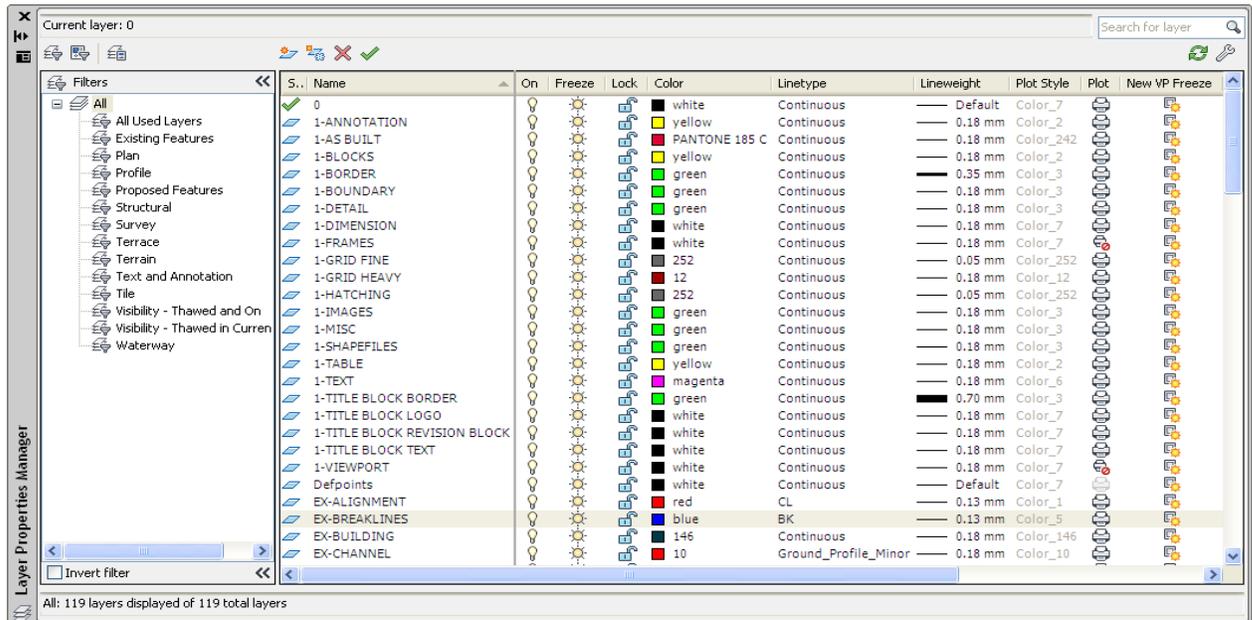
When you select an object in a drawing, the layer that it is placed on will appear on the *Layers* panel. You can change the layer that the object is placed on by selecting the object and changing the layer by using the drop-down menu on the *Layers* panel, as shown in the figure on the left.

The drop-down menu on the *Layers* panel can also be used to turn layers on, off, or to lock a layer by clicking on the appropriate icon next to the layer name in the drop-down menu.

### Layer Properties Manager

Icon:   
 Command: LAYER  
 Description: Used to create new layers, to assign the properties of a layer, and to organize layers using filters.

The properties of a layer, such as color, linetype and lineweight, can be assigned in the Layer Properties Manager. These properties will be applied to any objects that are located on that layer whose properties are set to BYLAYER.



### On/Off

Icon:   
 Command: LAYON / LAYOFF  
 Description: The LAYOFF command is used to turn individual layers in the drawing off. When you start this command, you will select an object in the drawing and the layer that that object is located on will be turned off. The LAYON command turns on all of the layers in the drawing.

## Freeze/Thaw

Icon:



Command:  
Description:

LAYFRZ / LAYTHW

The LAYFRZ command is used to freeze individual layers in the drawing. When you start this command, you will select an object in the drawing and the layer that that object is located on will be frozen. The LAYTHW command thaws all of the layers in the drawing.

The difference between freezing a layer and turning the layer off is that when a layer is turned off, it does not display in the drawing but its definition is still active and the objects on that layer will be processed when you zoom in or out of the drawing. This can slow down the display with large or complex objects such as inserted images. If you freeze a layer, the objects on that layer will not be processed when you zoom in or out, which can help with performance.

## Lock/Unlock

Icon:



Command:  
Description:

LAYLCK / LAYULK

The LAYLCK command is used to lock individual layers in the drawing. When you start this command, you will select an object in the drawing and the layer that that object is located on will be locked. Objects on a locked layer will still appear in the drawing, but they cannot be modified (moved, deleted, etc.). The LAYULK command unlocks all of the layers in the drawing.

## Isolate/Unisolate

Icon:



Command:  
Description:

LAYISO / LAYUNISO

The LAYISO command is used to isolate objects on a layer. When you start this command, you will select an object in the drawing and all objects in the drawing except for that layer will be turned off. The LAYUNISO restores all layers that were isolated using the LAYISO command.

## Layer Walk

Icon:



Command:  
Description:

LAYWALK

When this command is started, the *Layer Walk* window will appear, as shown to the right. Click on layers in the list in the window to select or deselect them. Only the layers that you select in this window will appear in the drawing. If you check the box next to *Restore on exit*, the display will revert to how it was set before you started the LAYWALK command. If this box is not checked, all of the layers in the drawing except for those selected in the *Layer Walk* window will be turned off when you close the window.



## Layer Previous

Icon:



Command:  
Description:

LAYERP

This command undoes the last change or set of changes made to layer settings.

## Match

Icon:



Command:  
Description:

LAYMCH

This command allows you to change the layer an object is on by selecting another object in the drawing. First, you will select the object(s) in the drawing whose layer that you want to change, then you will select an object that is on the layer you want to use.

### Make Object Layer Current

Icon:   
Command: LAYMCUR  
Description: This command sets the layer that a selected object is on as the current layer.

### Change to Current Layer

Icon:   
Command: LAYCUR  
Description: This command changes the layer of selected objects to the current layer.

### Copy Objects to New Layer

Icon:   
Command: COPYTOLAYER  
Description: This command copies one or more objects to a new layer. When you start this command, you will be prompted to select the objects that you want to copy. You will then be asked to specify the destination layer by either selecting an object in the drawing that is located on that layer or by hitting the Enter key to bring up a list of layers in the drawing that you can select from.