Chapter 1: AutoCAD Tour

Simplify the workspace by adding Draw and Modify toolbars and closing other features on workspace.
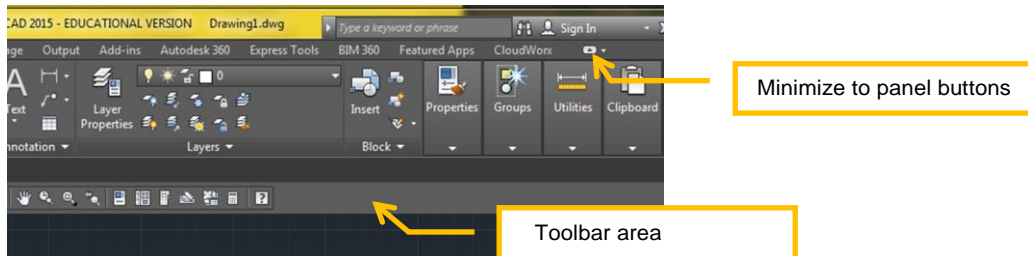Method 1:
In the toolbar area **Right click** then **AutoCAD > Draw**
Again in the toolbar area Right click then AutoCAD > **Modify**
Next, in the toolbar area Right click then AutoCAD > **Standard**
Hold down the handle of CloudWorx toolbar with left mouse button, pull down to workspace and right click close icon
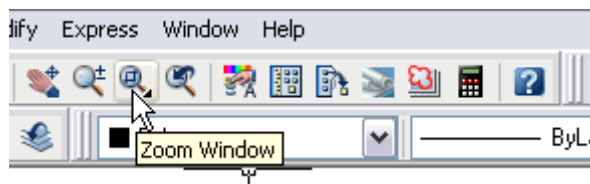Right click three times icon Minimize to panel buttons (located at the end of menu line)

Method 2: See beginning of chapter 2.
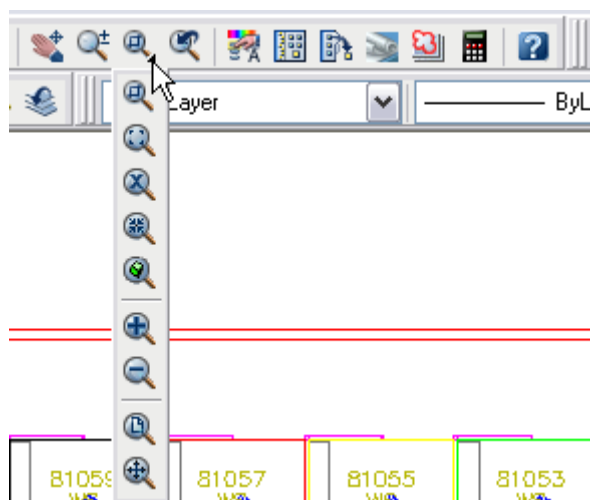
Zoom and Pan in the Drawing

In this exercise, you open an existing drawing and use the Zoom and Pan tools to view different areas.

Exercise Steps

1. Open *Displaying-Objects.dwg.* using

2. On the Standard toolbar, move the cursor over the Zoom tools section to see the tooltips for the available commands.

3. On the Standard toolbar, click and hold the Zoom Window button to display the tools on the Zoom flyout.

4. Right-click anywhere in the drawing area. Click Pan. Click and hold the pick button and drag the mouse to change your view of the drawing.

5. While still panning the drawing, press and hold SHIFT.

   Note: This temporarily changes the movement of the view from real time to orthogonal mode (limits to horizontal and vertical movements).

6. Right-click anywhere in the drawing. Click Exit to end the Pan command.

    Note: You can also press ESC to end the command.

7. On the Standard toolbar, click Zoom Extents (last one on the list) on the Zoom flyout.

8. On the Standard toolbar, right-click any icon. Click Zoom. This opens the Zoom toolbar, which has the same tools as the Zoom Window flyout.

9. On the Zoom toolbar, click Zoom All. Notice that the drawing appears off center because Zoom All includes any geometry outside the drawing limits.

10. On the Zoom toolbar, click Zoom Extents and notice how the view changes.

    Note: If you have a 3-button mouse with a scroll wheel, you can double-click the wheel button and AutoCAD will perform the Zoom Extents command.

    Tip: In most cases, you do not see much of a difference between Zoom All and Zoom Extents. The difference is that Zoom All zooms to the drawing's limits and then includes any geometry outside the limits, whereas Zoom Extents displays a view with the largest possible magnification that includes all of the objects in the drawing including those whose layers are turned off.

11. On the Standard toolbar, click Zoom Realtime.

    - Click and hold your pick button and move the cursor up.
    - Still holding the pick button, move the cursor down.
    - Notice that as you move the cursor up, the drawing zooms in and as you move the cursor down, it zooms out.

    Note: You can also activate the Zoom Realtime command by rotating the wheel on a wheel mouse. Rotating the wheel away from you zooms in, and rotating toward you zooms out.
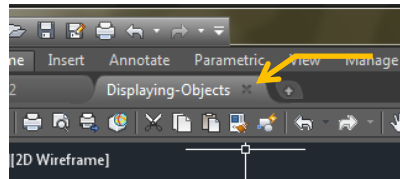
12. On the Zoom toolbar, click Zoom Window. Click two points around the center section of the drawing as shown in the following image.

13. On the Standard toolbar, click Zoom Previous. This returns you to the last view of the drawing that you zoomed or panned to.

    Note: Only the last 10 view changes are saved.

14. On the Zoom toolbar, click Close to close the toolbar (Close icon is not available when the toolbar is docked. Double click the handle to undock).

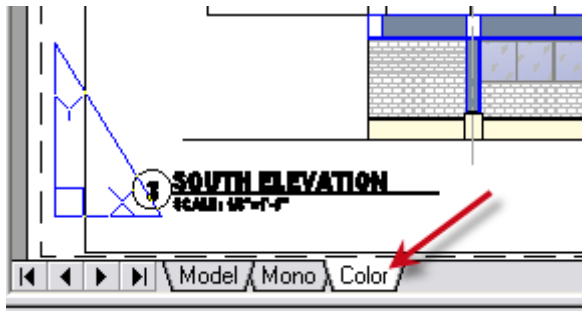**15.** Close but do not save the drawing.

Close drawing

Exercise

Hands-On Tour

In this exercise, you open an existing drawing and tour the AutoCAD interface. You set the STARTUP system variable and create a new drawing using the Advanced Setup wizard.
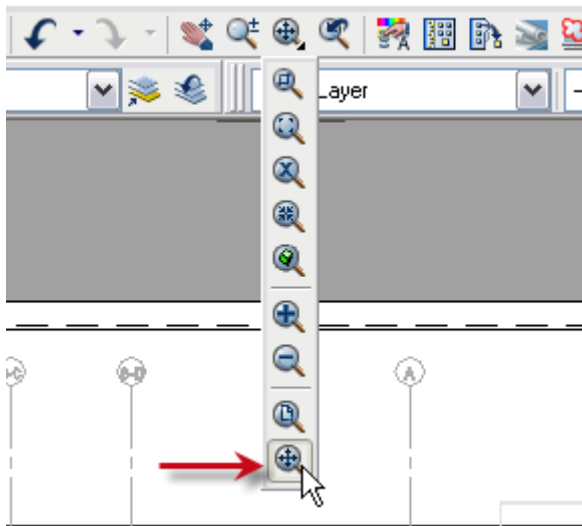
Exercise Steps

1. Open *Hummer Elevation.dwg.*

2. Because the drawing was last saved with the Color layout active, you are returned to that layout now.
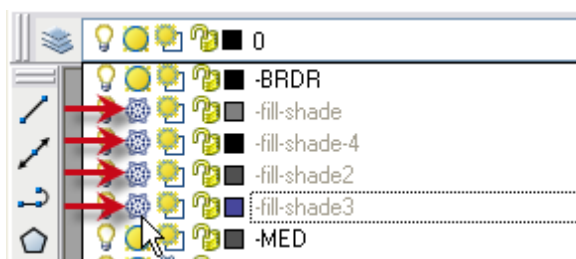

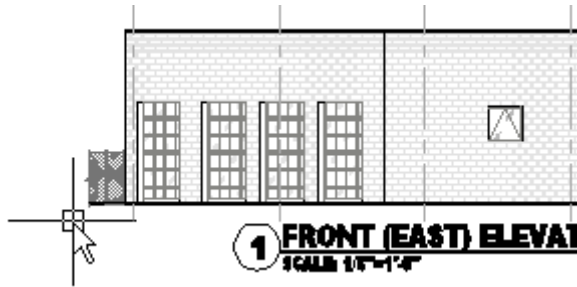Add **Layers** toolbar to workspace.

3. On the Standard toolbar, click Zoom Extents on the Zoom flyout. The drawing is magnified to fill the screen.

4. On the Layer toolbar, select the Layer list, then click the Sun icons on the layers shown in the following image. The icons change to a snow flake, indicating the layers are frozen.
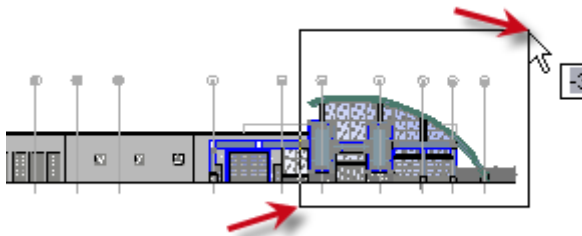
5. Click anywhere on the drawing to close the Layer list. Examine the effect that freezing the layers has on the drawing.

6. Return to the Layer list and click the same icons to thaw the layers.

7. If your workstation is equipped with a wheel mouse, position the cursor to the left of the top view and roll the wheel forward then backward. The view magnification changes but you can still see the geometry.
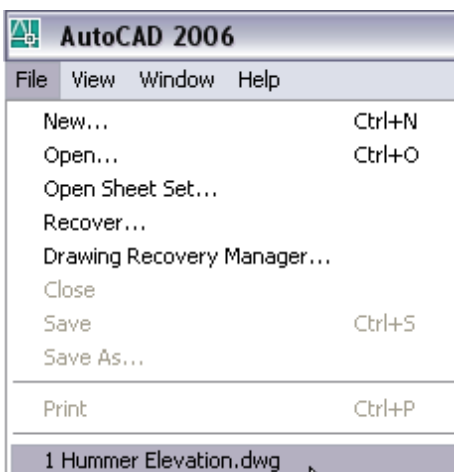

8. On the Standard toolbar, click Zoom Extents.

   Note: Because it was the last button you selected on the Zoom Flyout, Zoom Extents is now the top button.

9. Click the Model tab to activate model space. Model space is where the geometry for the drawing resides.

10. On the Standard toolbar, click Zoom Window on the Zoom flyout. Left-click near the points indicated in the following image to magnify the area defined by the window.

11. On the Standard toolbar, click Zoom Previous. You are returned to the previous view.

12. Click File menu > Save.

13. Click File menu > Close.

14. Click File menu > Hummer Elevation.dwg. AutoCAD displays a list of previously opened files on the File menu for quick access.

The drawing is opened to the last view in which it was saved.

15. On the Layout tabs, click the Color tab to activate the Color layout.

16. On the Command line, enter **Startup**. Press ENTER. The following prompt appears on the command line:
Enter new value for STARTUP <0>::

- If the value in brackets reads *<0>,* enter **1** and press ENTER.
- If the value in brackets reads *<1>,* press ENTER to accept the current value.

Note: Setting the STARTUP system variable to 1 displays the Create New Drawing dialog box when you open AutoCAD and each time you click QNew.

17. On the Standard toolbar, click QNew.

18. In the Create New Drawing dialog box, click Use a Wizard and select the Advanced Setup option. Click OK.

19. In the Advanced Setup wizard, view the available options and click Next. Continue to click Next to accept the default values until the new drawing is created. You have just created a new drawing based on the default options in the Advanced Setup wizard.

20. On the Command line, enter **Startup**. Press ENTER.

- Enter **0** and press ENTER.

Note: This returns the startup system variable to its default state.

21. Close all files.