With the menu browser, you can browse regular drop-down menus and recently saved or open documents, as well as search for menu commands.

TIPS

Keep a file or command in the Recent Documents or Recent Actions windows by selecting the push pin next to the file or command in the list.
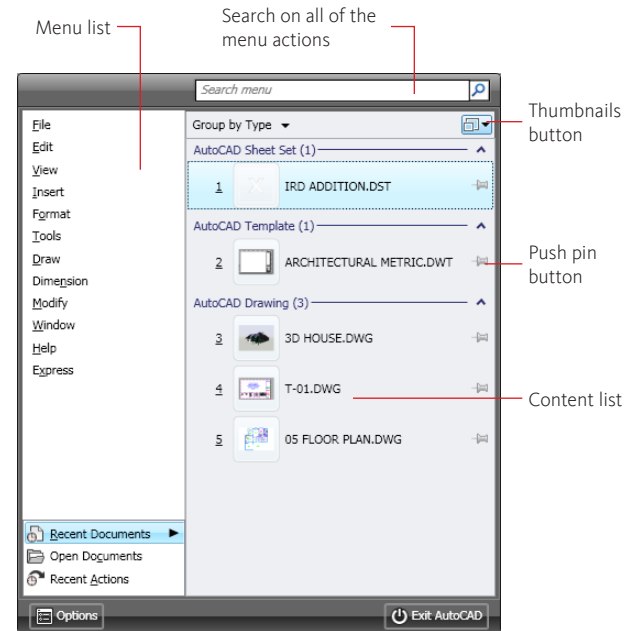
Use the search field at the top of the menu browser to find text in menu commands, basic tooltips, command prompt text strings, or tags.

Create personalized tags for menu commands to make them easier to find by using the Customize User Interface (CUI) Editor.

Perform menu browser searches in any language.

AutoCAD® 2009

User Interface

Menu Browser

FEATURES
- Search for menu commands by name, description, or synonym
- "Pin" files to the open or recent documents list
- Sort files by date or type in the open or recent documents list

Menu list

Search on all of the menu actions

Thumbnails button

Push pin button

Content list

Tutorials
www.autodesk.com/autocad-tutorials

New Features Workshop
See product Help menu.

001A1-050000-PC01A

AutoCAD® 2009

Action Recorder

With Action Recorder, you can create action macros that can be used to automate repetitive tasks.

TIPS

Action macros are created by recording many of the commands that you are already familiar with in AutoCAD® software.

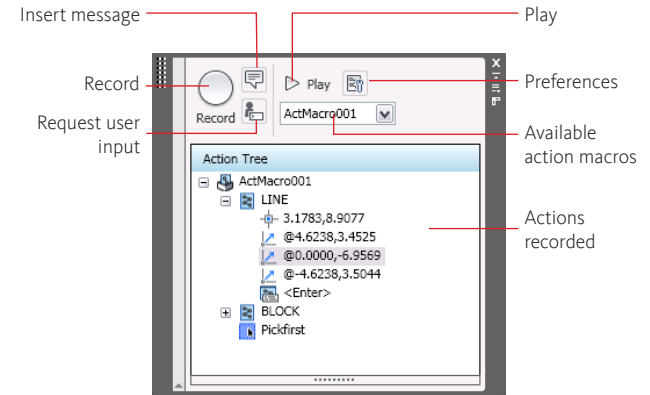Place recorded action macros on a network drive for easy sharing.

The Action Recorder does not require previous programming experience.

Action macros can be recorded to prompt for input during playback.

FEATURES
- Record action macros
- Play back action macros
- Automate repetitive tasks

ACTRECORD
Starts the recording of a new action macro

ACTSTOP
Stops the recording of an action macro

ACTUSERINPUT
Adds a request for user input to one of the recorded actions

ACTUSERMESSAGE
Adds a custom user message to an action macro that is displayed during playback

Tutorials
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New Features Workshop
See product Help menu.

001A1-050000-PC02A

AutoCAD® 2009

Customize and Extend

Enhanced Layer Properties Manager

With the Layer Properties Manager you can view layer property changes in real time and edit drawings in an opened Layer Properties Manager. You can also customize the layer interface easily.

TIPS

Place the Layer Properties Manager in a secondary display while drafting in your primary display.

Use Freeze column to lock the position of the Name column while you scroll horizontally through the layer columns.
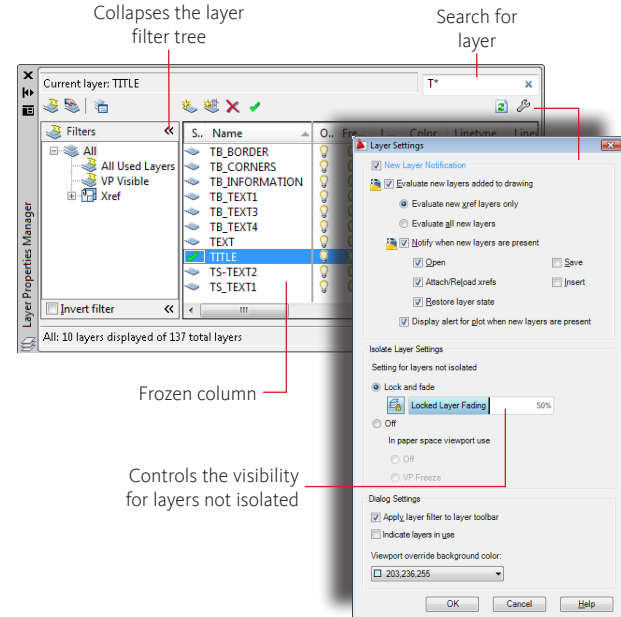
Use wild-card characters to filter layer names. For example, enter *text* to search for all the layers that contain the word text.

Use the Hide/Show layer filters button to control the layer filter tree display.

Enhanced Layer Properties Manager

FEATURES
- Quickly access the Layer Properties Manager
- Use layer filters in real time

Collapses the layer filter tree

Search for layer

Frozen column

Controls the visibility for layers not isolated

LAYER
Opens the Layer Properties Manager dialog box

LAYERCLOSE
Closes the Layer Properties Manager dialog box

-LAYER
Creates and manages layers from the command line
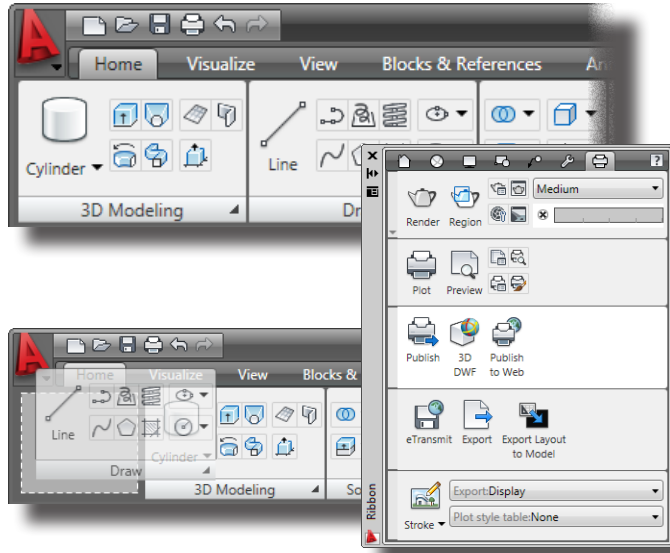
Tutorials
www.autodesk.com/autocad-tutorials

New Features Workshop
See product Help menu.

Ribbon

The ribbon is composed of tabs. Each tab has labeled panels that contain many of the same controls that are available in dialog boxes and toolbars.

TIPS

Associate a tool palette group with each panel on the ribbon. Right-click the ribbon panel to display a list of available tool palette groups.

Rearrange ribbon tabs by dragging them to a new position on the ribbon.

"Float" a ribbon panel by dragging it into the drawing area. The floating panel is displayed only when the associated ribbon tab is selected.

Align the ribbon horizontally along the top of the drawing window or vertically to the left or right of the drawing window.

Ribbon

FEATURES
- Display the ribbon horizontally or vertically
- Hide the ribbon until you need to access it
- Detach panels from the ribbon and "float" them within the drawing workspace

Floating Panel
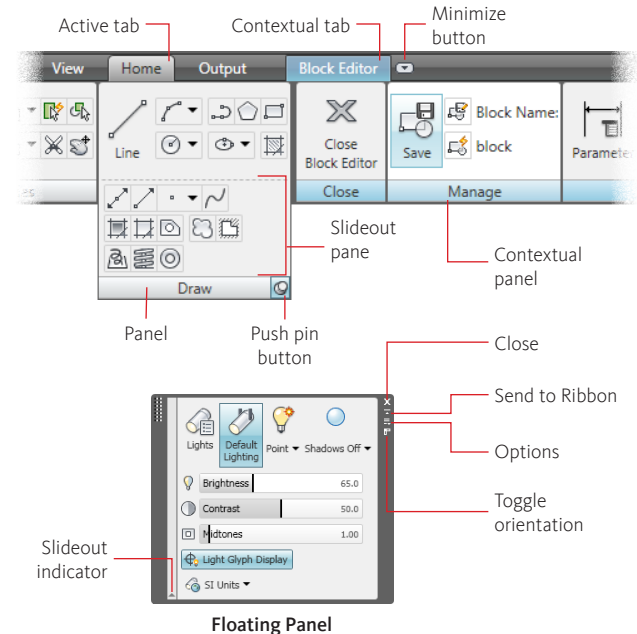
RIBBON
Opens the ribbon window

RIBBONCLOSE
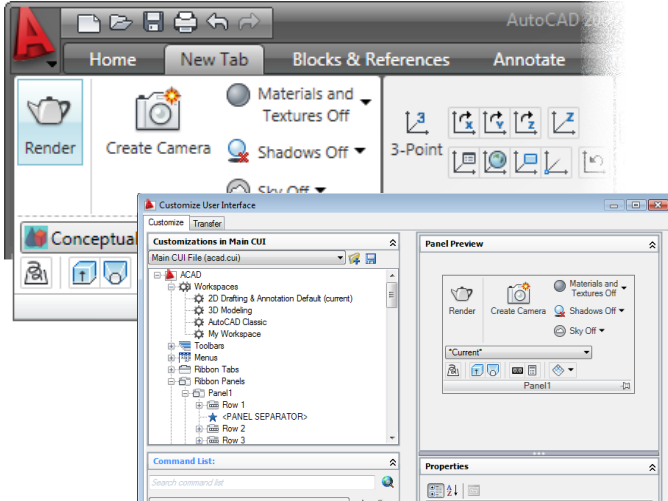Closes the ribbon window

Tutorials
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New Features Workshop
See product Help menu.

001A1-050000-PC04A

The ribbon can be customized using the Customize User Interface (CUI) Editor. Panels, tabs, and commands can be added, modified, or removed.

TIPS

Create custom tabs to organize and control the display in which panels appear on the ribbon.

Use existing toolbars to add new rows to a ribbon panel.

Organize commands and controls on a panel with rows, sub-panels, flyouts, and separators.

Use the Panel Preview to visually see how commands and controls will appear on a panel

FEATURES

- Organize the commands that you commonly use on the ribbon
- Use existing or create new toolbars and commands to customize ribbon panels
- Control the location of the ribbon and the display of tabs and panels on the ribbon through a workspace
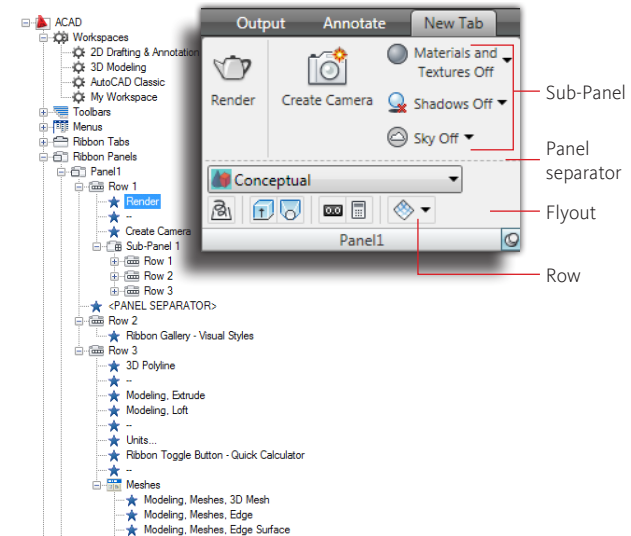
CUI
Displays the CUI Editor

RIBBON
Opens the ribbon window

Tutorials
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New Features Workshop
See product Help menu.

001A1-050000-PC05A

AutoCAD® 2009

Customize and Extend

AutoCAD® 2009

ViewCube

The ViewCube™ displays the orientation of a 3D model and enables you to change the current view of a 3D model.
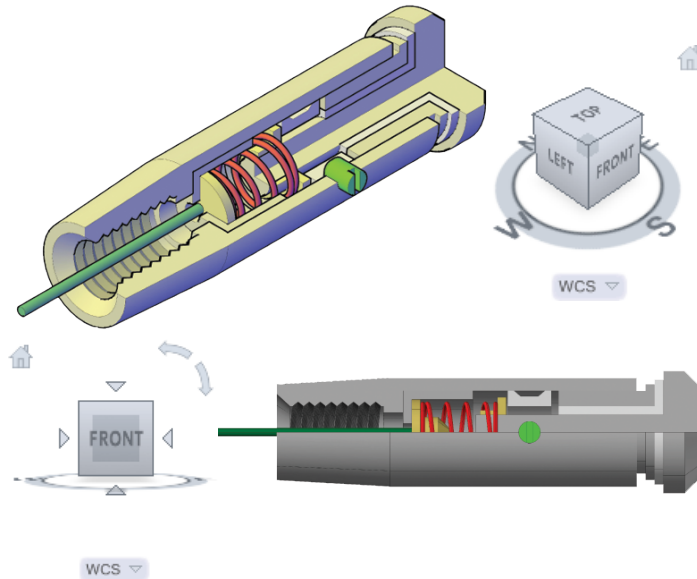
TIPS

Use the ViewCube feature to switch to preset views by clicking a faces, edge or corner.

You can orbit a model by dragging the ViewCube.

Define a Home view that can take you to back to a known view of the model.

Saved UCSs can be set current from the UCS menu on the ViewCube.

ViewCube

FEATURES
- View the current orientation of a model
- Change the view of a model to one of 26 preset views
- Define and restore the Home view for a model
- Change the view projection for a model
- Set a named user coordinate system (UCS)

Orthogonal view controls

Roll arrows

Home view

Active preset view

Compass

UCS menu
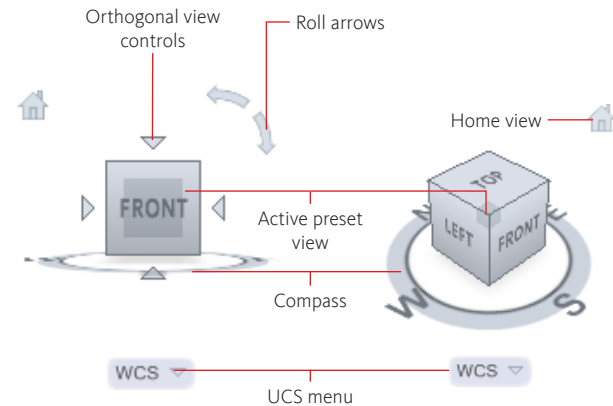
NAVVCUBE
Shows or hides the ViewCube

Tutorials
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New Features Workshop
See product Help menu.

SteeringWheels

The SteeringWheels™ feature provides access to 2D and 3D navigation tools from a single user interface.

Orbit Tool

TIPS

Objects can be selected before a navigation tool is activated to control the center point used by the navigation tools.

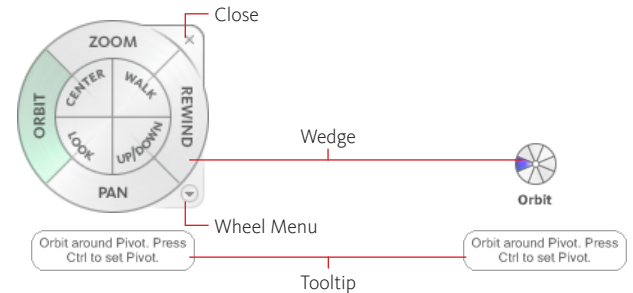The Tour Building and Full Navigation wheels can be used to walk/fly through or look around a 3D model.

The Full Navigation wheel provides access to all available 2D and 3D navigation tools from a single wheel.

You can restore the Home view, with which you can go back to a known view of the model.
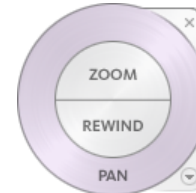

SteeringWheels

FEATURES
- Access 2D and 3D navigation tools in a single user interface
- Restore previous views or the Home view of a model
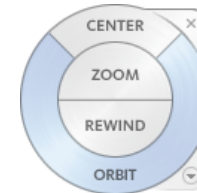- Choose wheels in two different versions: big and mini

Close

Wedge

Orbit

Wheel Menu

Orbit around Pivot. Press Ctrl to set Pivot.

Orbit around Pivot. Press Ctrl to set Pivot.

Tooltip

Full Navigation Wheel

Mini Full Navigation Wheel

2D Navigation Wheel

View Object Wheel

Tour Building Wheel

NAVSWHEEL
Displays the SteeringWheels feature
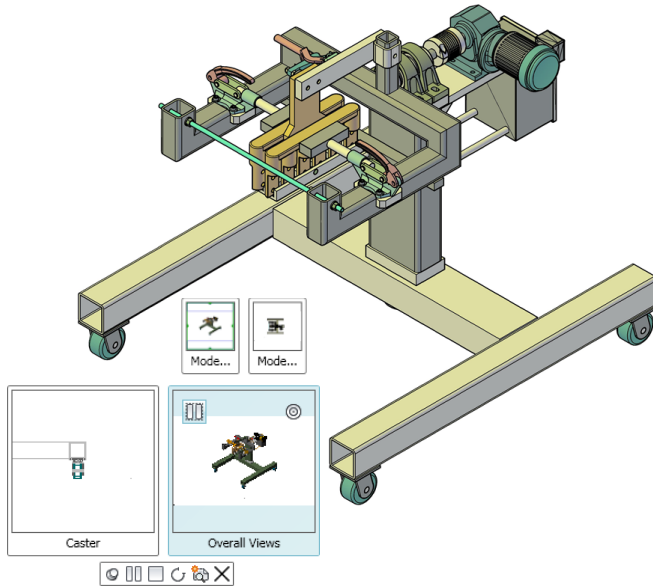
Tutorials
www.autodesk.com/autocad-tutorials

New Features Workshop
See product Help menu.

ShowMotion

The ShowMotion™ feature enables you to play back a view with motion for each of the named views saved with a model and restore a named view.

TIPS

Existing named views created with previous releases work with ShowMotion without any modifications needed.

Named views can be organized by categories.

You can specify the transition to use when playing back the motion associated to a named view.

Views can be played back individually or all views in a category can be played back.

ShowMotion

FEATURES
- Create named views with or without motion and, if desired, arrange them within a category
- Navigate a model by using saved named views
- Play back the motion associated to a named view
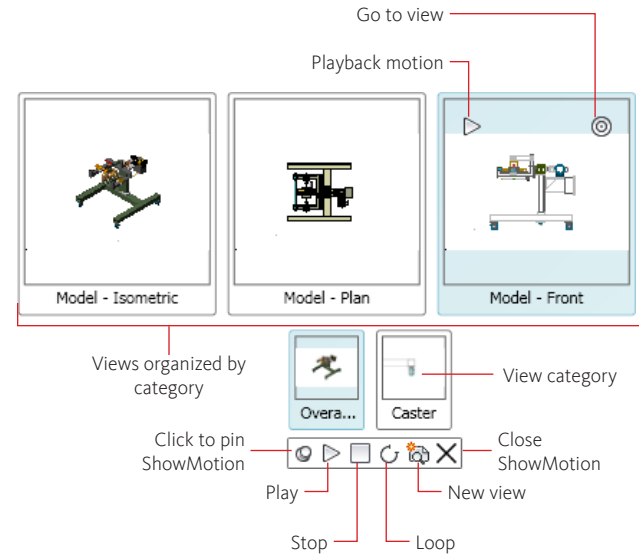
NAVSMOTION
Displays ShowMotion feature
VIEWPLAY
Plays the motion associated with a named view
VIEWGO
Restores a named view

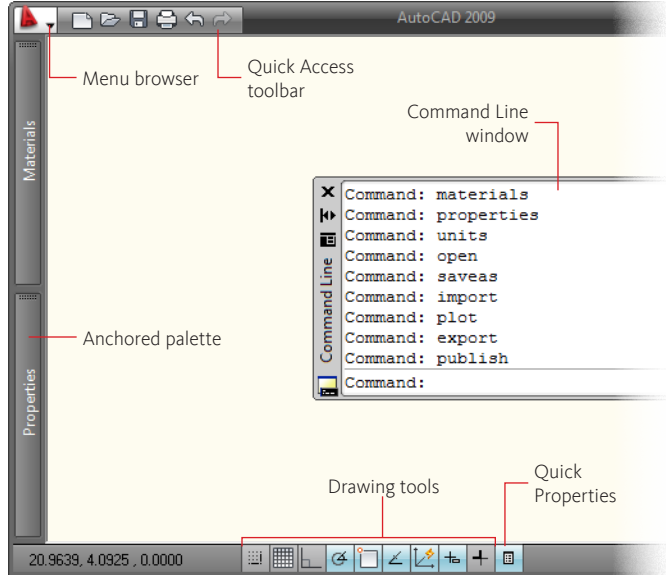## Tutorials
www.autodesk.com/autocad-tutorials

New Features Workshop
See product Help menu.

Tools in the Application Window

The application window has been enhanced to display common tools such as the menu browser button, the Quick Access toolbar, and InfoCenter.

- Menu browser
- Quick Access toolbar
- Command Line window
- Anchored palette
- Drawing tools
- Quick Properties

```
Command: materials
Command: properties
Command: units
Command: open
Command: saveas
Command: import
Command: plot
Command: export
Command: publish
Command:
```

20.9639, 4.0925 , 0.0000

TIPS

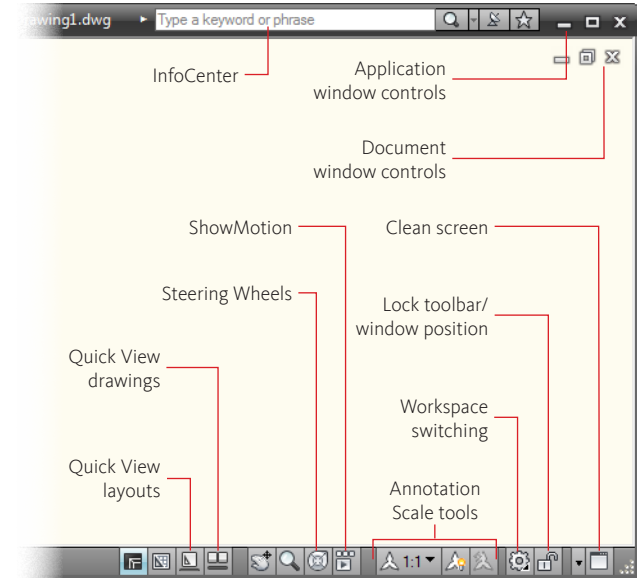Customize the Quick Access toolbar to display only commands you frequently use.

Easily change the setting of the polar, object snap, and object snap track from the shortcut menu of these drawing tools.

Display the classic menu bar by clicking Show Menu Bar on the Quick Access toolbar shortcut menu.

Quickly search for a variety of information sources with one query and access product updates and announcements with InfoCenter.

FEATURES
- Quick access to tools for navigating open drawings, layouts, and views
- Access commands you frequently want to use with the Quick Access toolbar
- Easily switch workspaces from the status bar

- InfoCenter
- Application window controls
- Document window controls
- ShowMotion
- Clean screen
- Steering Wheels
- Lock toolbar/window position
- Quick View drawings
- Workspace switching
- Quick View layouts
- Annotation Scale tools

SHOWPALETTES
Restores the display of hidden palettes
HIDEPALETTES
Hides currently displayed palettes (including the command line)
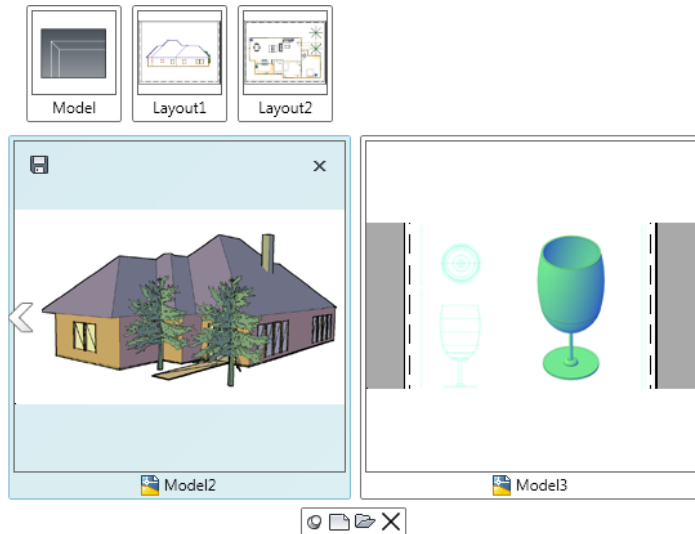
Tutorials
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New Features Workshop
See product Help menu.

Quick View

With Quick View, you can preview and switch between open drawings and layouts in a drawing by displaying them in a two-level structure of thumbnail images.

TIPS

Dynamically resize the thumbnail images by pressing Ctrl+Scrollwheel.

Plot and publish a layout by clicking the buttons at the top corners of the thumbnail image when the cursor is on it.

Save all open drawings by clicking Save All from the thumbnail image of a drawing shortcut menu.

Close all open drawings except the one you want to work on by clicking Close Other Files on the shortcut menu of the thumbnail image of the drawing you want to work on.

Quick View

FEATURES

- Preview and switch between open drawings
- Plot a current layout
- Publish multiple layouts
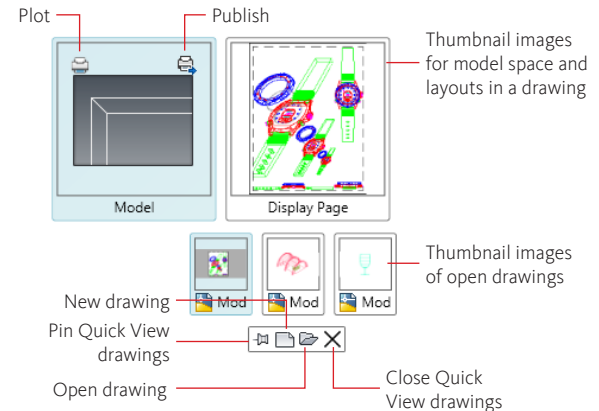
QVDRAWING

Displays open drawings and layouts in a drawing in preview images

QVDRAWINGCLOSE

Closes preview images of open drawings and layouts in a drawing

QVLAYOUT

Displays the preview image of model space and layouts in a drawing

QVLAYOUTCLOSE

Closes preview images of model space and layouts in a drawing
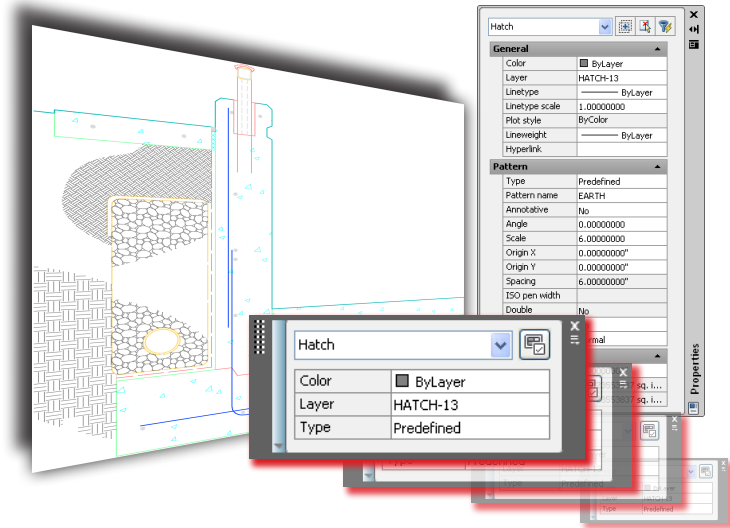
Tutorials

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New Features Workshop

See product Help menu.

Quick Properties

With the Quick Properties feature, you can create a customized properties panel for a specific object type or multiple object types in a selection. The Quick Properties panel displays the commonly used properties for each object type.

FEATURES
- Easily access commonly used properties
- Panel can appear floating or attached to the cursor when any object types are selected

Customize button

Object type drop down list

Close panel

Options

Properties list

TIPS

Use the Quick Properties button on the status bar to control the on or off state of the Quick Properties panel.

Set the Quick Properties panel using the QPMODE system variable to appear only for objects that are defined in the CUI Editor to display properties.
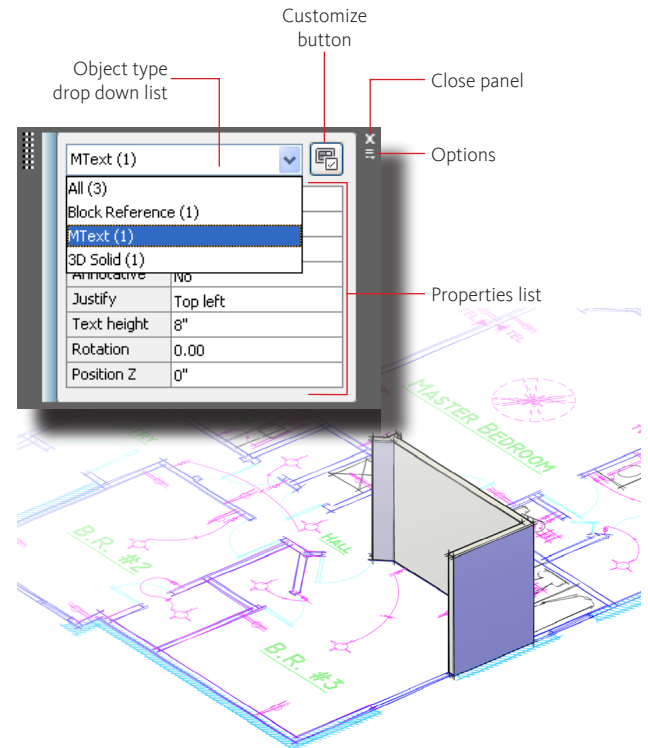
Customize the general properties for undefined object types using the Customize User Interface (CUI) Editor.

Clear the Auto-Collapse option on the shortcut menu of Quick Properties panel to display the panel at its full height.

Tutorials
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New Features Workshop
See product Help menu.

001A1-050000-PC11A

AutoCAD® 2009

Productivity

AutoCAD® 2009

DWFx

DWFx —the future of DWF™ technology— is based on the XML Paper Specification (XPS) format from Microsoft. DWFx files can be viewed using the XPS Viewer, that is integrated into the Windows Vista® platform and Windows® Internet Explorer® 7.

TIPS

Use dpi settings in the custom properties of the DWFx plotter configuration file to control the file size.

When background plotting is on, use the plotter icon to view the status.

Re-create the default plotter configuration file using the Add-A-Plotter wizard.

Drag drawings from the desktop into the Publish dialog box to add sheets to the list.

DWFx

FEATURES
- Share drawings easily as DWFx files can be viewed on Windows Vista and Windows XP (with IE 7)
- Maintain precision as DWFx is a vector based format
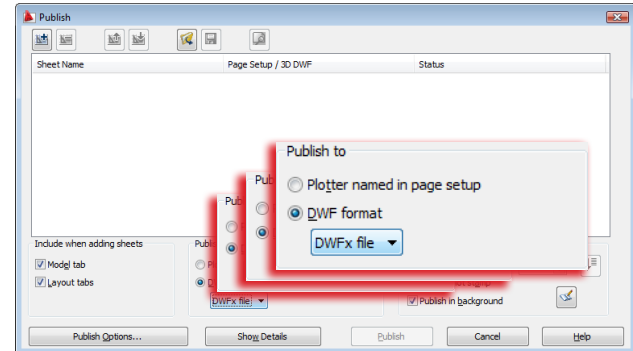
PLOT
Plots a drawing to a plotter, printer, or file (DWF/DWFx)

PUBLISH
Publishes drawings to DWF/DWFx files or plotters

DWFATTACH
Attaches a DWF/DWFx underlay to the current drawing

MARKUP
Displays the details of DWF/DWFx files containing markups; also enables you to change the markup status and republish

Tutorials
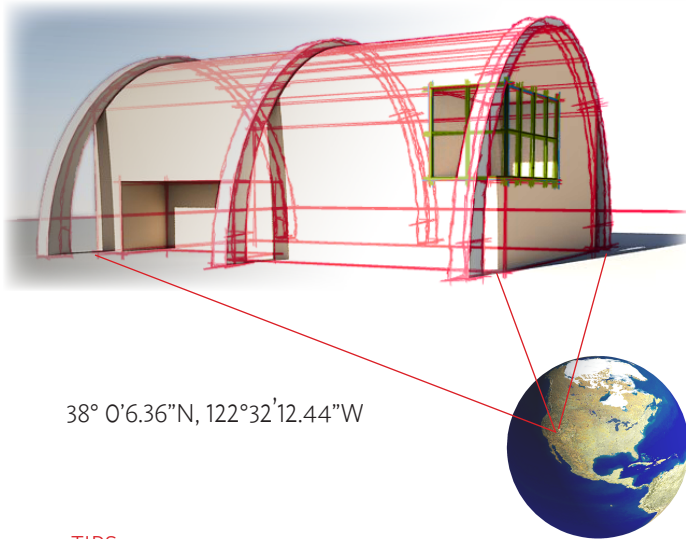*www.autodesk.com/autocad-tutorials*

New Features Workshop
See product Help menu.

001A1-050000-PC12A

Geographic Location

Geographic location embeds location-specific references –expressed as real-world coordinates (X, Y, and Z)– in your drawing. You can then send your georeferenced drawing for review.

38° 0'6.36"N, 122°32'12.44"W

TIPS

Define a location by importing a KML or KMZ file into AutoCAD.

Display the latitude and longitude values in the status bar using the Geographic option on the shortcut menu.

Import a specific location from Google Earth™.

Set the GEOMARKERVISIBILITY system variable to see geographic markers in your drawing.

FEATURES
- Include location information in your drawing
- Use geographic location information from Google Earth™ files

To specify a location on a map
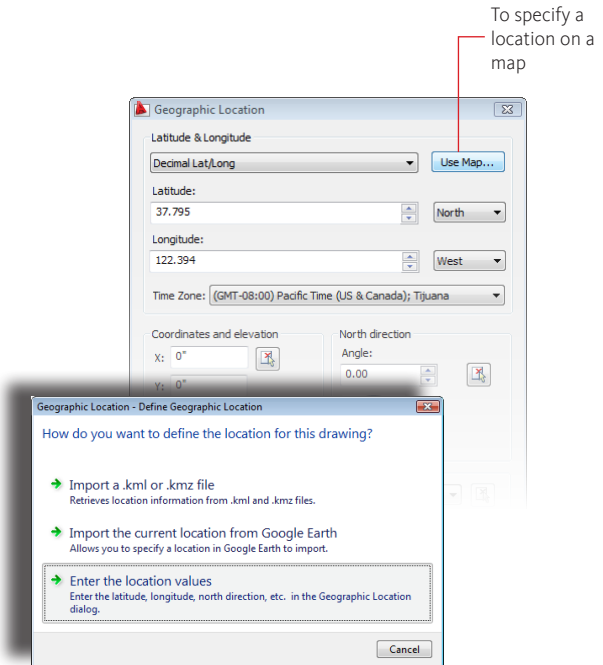
GEOGRAPHICLOCATION
Inserts geographic location information in a drawing
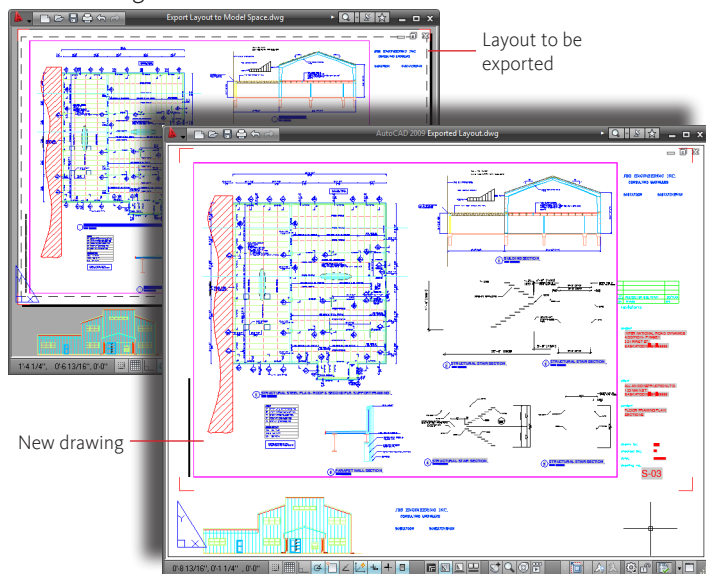
Tutorials
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New Features Workshop
See product Help menu.

001A1-050000-PC13A

Export Layout to Model Space Drawing

The Export Layout to Model Space Drawing feature exports visible objects from the current layout to the model space of a new drawing.

Layout to be exported

New drawing

TIPS

Solid hatch, in particular, can take time to export when clipped by a viewport boundary.

As the command can take a few minutes with complex drawings, save your drawing before running the command.

Exchange drawings with users of other model space–based CAD systems.

The results are best when objects are not clipped by viewport boundaries, particularly xrefs, text, and hatch objects.

AutoCAD® 2009

Share Drawings

Export Layout to Model Space Drawing

FEATURES
- Maintain the same layout visual fidelity in model space
- Automatically binds all external references to the exported drawing
- Export objects that are outside the boundaries of a layout

EXPORTLAYOUT
Exports layout to model space drawing

Online Tutorial
http://www.autodesk.com/autocad-tutorials

New Features Workshop
See product Help menu

AutoCAD® 2009