Chapter 25
Advanced Selection Commands
Selection Modes  25.1

1. Choose  Tools, Options...
2. Choose  the Selection TAB from the following dialog.

3. Change  the settings as desired.

Noun/Verb Selection

Allows you to select an object before starting a command. The command affects the previously selected object or objects. You can also set this option by using the PICKFIRST system variable.

Use Shift to Add to Selection

Adds or removes an object to the selection set when you press SHIFT and select an object.

Press and Drag

Draws a selection window by selecting a point and dragging the pointing device to a second point.
Implied Windowing

Initiates the drawing of a selection window when you select a point outside an object.

Object Grouping

Selects all objects in a group when you select one object in that group. With GROUP you can create and name a set of objects for selection.

Associative Hatch

Determines which objects are selected when you select an associative hatch. If this option is selected, boundary objects are also selected when you select an associative hatch.
Groups 25.2

1. **Type** GROUP at the command prompt.
   
   **Command:** GROUP

2. **Type** a name for a new group.

3. **Choose** the New button under Create Group.

4. **Pick** objects to be included in the group.

5. **Press** ENTER when done choosing objects.

6. **Pick** OK.

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**Lines in a group**

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**Turning Groups ON/OFF**

At any time, toggle group selection on and off by pressing either CTRL+H or SHIFT+CTRL+A.
Object Selection Cycling  25.3

It is difficult to select objects that are close together or lie directly on top of one another. The following example shows two lines and a circle that all lie within the selection pickbox.

1. **Press** the CTRL key before choosing objects at the Select Objects prompt.
2. **Pick** repeatedly in the area where multiple objects are located. AutoCAD will cycle through all objects that were touching the pickbox.
3. **Press** ENTER when the desired object highlights.
4. **Press** ENTER again.

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**Objects touching pickbox**

**First object selected highlights**

**Second object selected**
AutoCAD 2D Tutorial

Draw Order 25.4

1. Choose Tools, Display Order.
   or
2. Click the Draworder Icon from the Modify II Toolbar.
   or
3. Type DRAWORDER at the command prompt.
   Command: DRAWORDER
   Select objects: pick an object.
Object Filters 25.5

1. **Type** FILTER at the Command prompt.
2. **Select** Line in the Object Selection Filters dialog box under Select Filter.
3. **Choose** Add to List.
4. **Choose** Apply.
5. **Type** ALL at the Select Objects prompt or select a window.

Command:
FILTER Applying filter to selection.
Select objects: all
6 found
3 were filtered out.
Quick Select 25.6

1. **Type** QSELECT at the command prompt.
   
   **Command:** QSELECT

2. **Enter** the selection criteria (i.e. TEXT HEIGHT < .5)

3. **Choose** OK.

**TIP:** AutoCAD puts those object(s) into a selection set. Use the “P” previous option to select these objects.
Layer Filters 25.7

1. Choose the layer dialog box.

2. Choose the three dots (...) to invoke the filter dialog for layers.

3. Choose the type of filter you would like to use (e.g. layer name = 1st*)
AutoCAD point filters allow the user to specify one coordinate, such as the X, with one pick and a second coordinate, such as the Y, with another pick. The point filters are .X, .Y, .XY, .XZ and .YZ. Only .X and .Y are used for two dimensional drawings.

1. Type A command that asks for a point.
   Command: **CIRCLE**

2. Type .X when AutoCAD asks for a point.
   3P/2P/TTR/<center point>: .X

3. Pick The point to filter (HINT: use osnaps)
   of MID of point on x axis

4. Pick The next point to filter
   (need YZ)
   **MID of point on y axis**

5. Pick A diameter or radius
   Diameter/<radius>: Pick or type a diameter

Circle center is placed at the intersection of the filters