

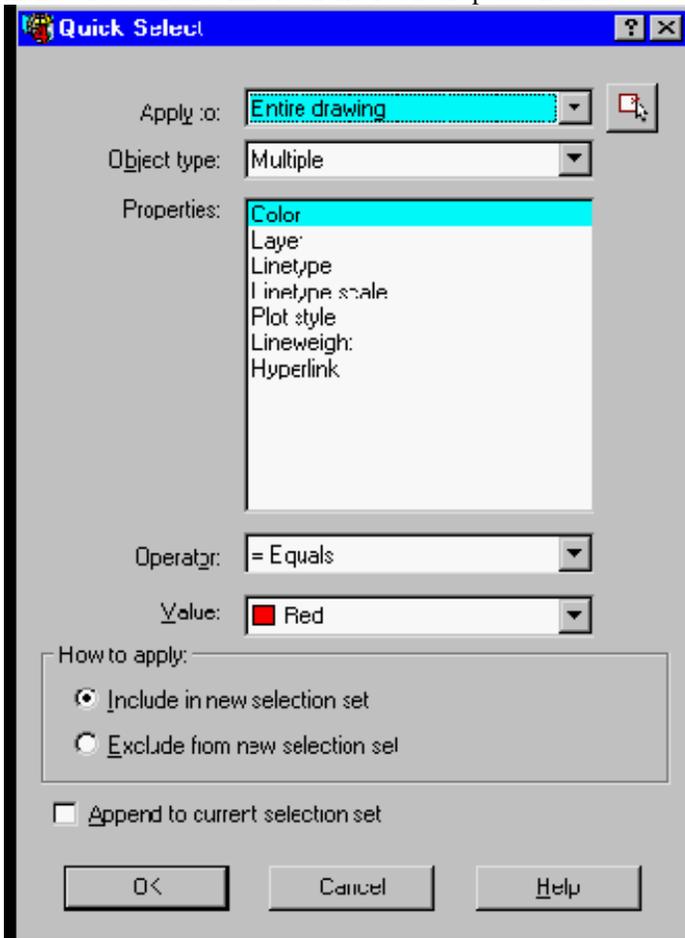
VI. FILTERING SELECTION SETS/OBJECT PROPERTIES

Using either the Quick Select or Object Selection Filters dialog box, you can filter selection sets by property (such as color) and by object type. For example, you can select all of the red text in a drawing without selecting any other object; or you can select all objects except the red text.

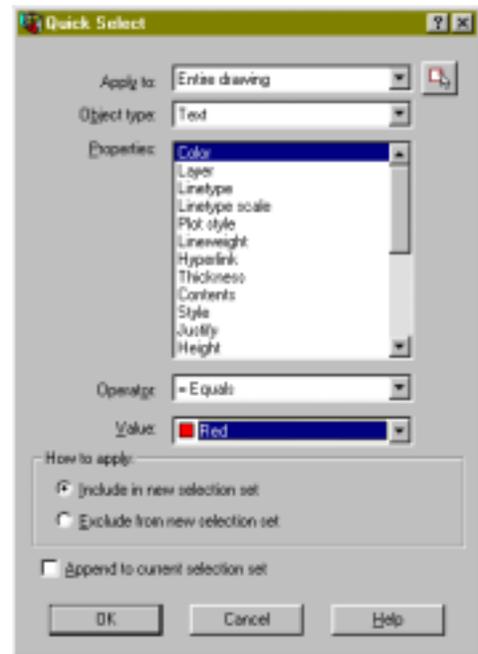
With Quick Select, you can quickly define a selection set based on filtering criteria that you specify. With Object Selection Filters, you can name and save filters for future use.

With either method, if you want to filter your selection set based on color, linetype, or lineweight, first consider whether these properties are set to BYLAYER for any objects in your drawing. For example, an object may appear red because its color is set to BYLAYER, and the layer color is red. To create a filter recognizing this object, design the filter to look for objects that either exist on that layer or that have a color value of BYLAYER, not red.

In the bransonAML drawing, right-click in empty screen space and choose Quick Select from the cursor menu. You can also find it on the Tools drop-down menu.



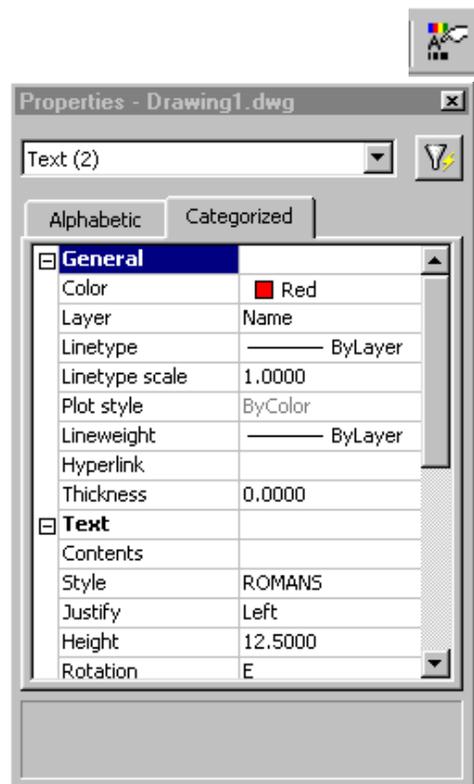
Lets create a selection set that contains all the red text in the drawing. Set *Object type* to text. Set *Properties* to Color, *Operator* to = Equals and *Value* to Red.



Click OK. You can see that only two text objects are selected. Let's check their properties. Open the Properties dialog box by selecting Properties from the Modify menu or selecting the Properties icon from the standard toolbar. In the top window of the dialog box is a list of the selected objects. Note that the color is set to RED, not BYLAYER. To change the color to BYLAYER, left-click in the value cell opposite Color. A down arrow will appear, indicating that a menu is available to select from. Select the arrow and using the slider, if necessary, find BYLAYER. Select BYLAYER. The color for these objects is now set to BYLAYER. Hit ESC twice to unselect the objects. Select these same two text objects and change their color back to RED.

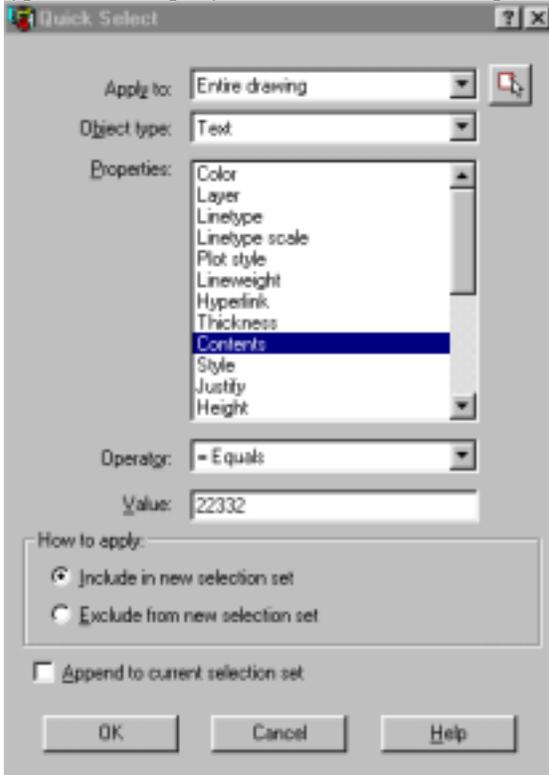
You can select multiple objects and compare their properties. If two of the property values don't match, the value cell is blank. Nevertheless, you can change that property to a common value for the selected objects.

Note in the upper right corner of the Properties dialog box is the Quick Select icon. Choose this to launch the Quick Select dialog box.



Experiment with Quick Select to create various selection sets. Use the Properties dialog box to examine the various properties of some of the objects in the drawing. Note how the object properties change with object type. To learn more, check the AutoCAD help menu under Online Manuals, AutoCAD User's Guide, Chapter 9-Editing Methods, Selecting Objects, Filtering Selection Sets.

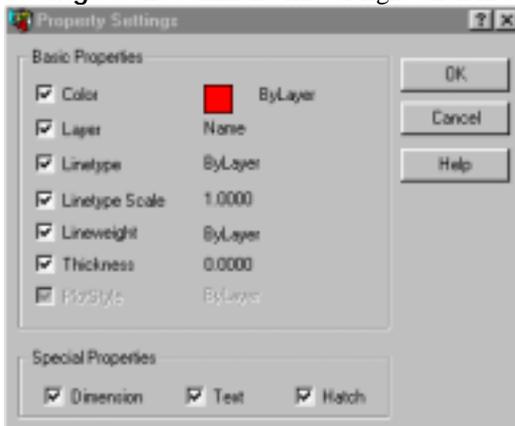
Using Quick Select, find parcel number 22332. Launch Quick Select. Apply to Entire drawing, Object type is text, Property of interest is Contents, Operator is =Equals, and Value is 22332. Click OK.



Note the parcel text with the highlighted grip. Zoom in on this parcel to check your result.

Matching Properties

You can copy some or all properties of one object to one or more objects using MATCHPROP at the command line, selecting Match Properties from the Modify menu, or clicking on the Match Properties icon. Properties that can be copied include color, layer, linetype, linetype scale, lineweight, thickness, plot style, and in some cases, dimension, text, and hatch. After launching the command, you will be prompted to *Select source object*:. Select the object whose properties you want to copy. You will now be prompted to *Select destination object(s) or [Settings]*:. Select the objects to which you want to apply the copied properties. By default, all applicable properties are automatically copied from the source object to the destination object(s). If you want to select which properties are copied, type **S** or **settings** at the command line or right-click in empty space and select settings from the cursor menu.



Once the desired set of basic properties is chosen, click on OK. If no further selections are to be made, hit <enter>. Verify that the properties were changed using the Properties dialog box.