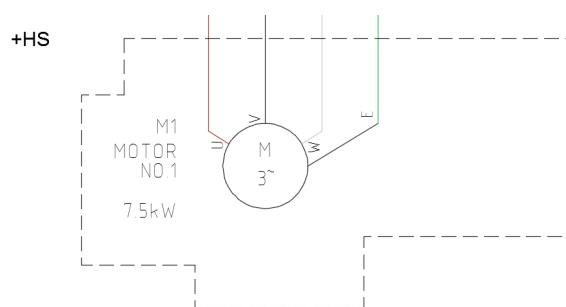


Intelligent Location Boxes

AutoCAD Electrical

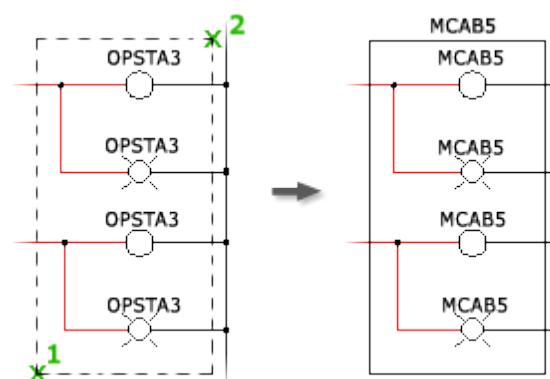
Did you know that a location box is intelligent which therefore means that components are “location box aware”?

In addition, location boxes do not have to be rectangles and can be any orthogonal shape!



A location box is drawn around devices to designate that they are physically in a different location/installation than other devices in the same drawing. The box is a closed polyline and can also be a rectangle or some *other orthogonal* shape.

You have the option to update the location and installation codes for the parent components within the box to match the location box. You can assign a description to the box.



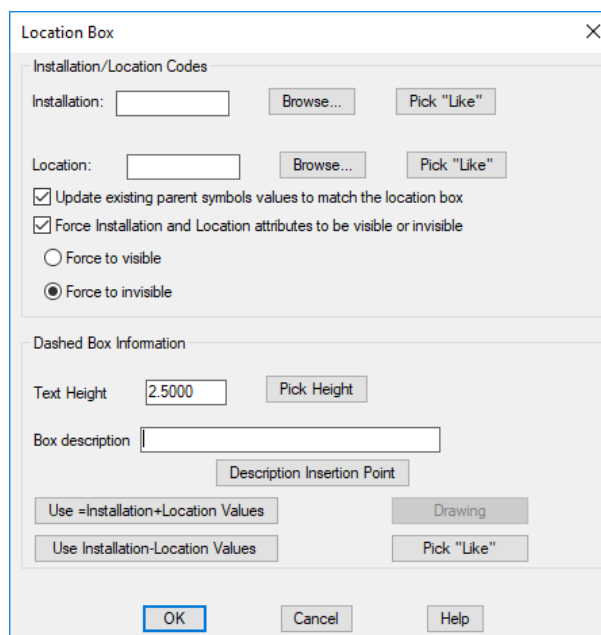
The Location and installation codes for the parent components within the location box update to match the location box. You can assign a description to the box. The program prompts for updates to related components and panel footprints.

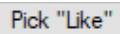
AutoCAD® Electrical commands are location box aware:

- Inserting or moving a component into a location box updates the location and installation values of the component.
- Moving a component out of a location box prompts the option to update the location and installation values of the component to match the drawing values.
- The insertion point of a component determines whether it is considered inside or outside a location box.

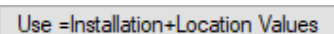
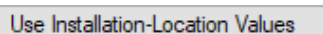
Select *Schematic* ribbon tab > *Insert Components* panel >  *Location Box*

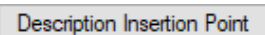

Draw a rectangle around the components you wish to include within the location, or type “9” for an orthogonal shape.



If you have defined a location for an existing component, you can select  which will copy the components location to the Location Box’s dialogue. Similarly, the installation.

You can select  to pick an existing *Location* or *Installation* already defined within the *Project* or *Drawing*.

Select  or  to pick up the values for the box description or type a different box description in rather than the combined *Installation+Location* values.

Select  to change the position of the box’s description. This always reverts to .

Select 

Select 

Select

- If the Location box and its descriptions are grouped together, you can ungroup by using the command *Ungroup*.
- You can change the shape of the rectangle, or indeed the orthogonal shape by picking the grips, dragging to reposition.

