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How to use layering in Autocad?? by Kimberly Smith

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Autocad layering is one of the most important topic of discussion for the person working on Autocad as it makes the project work burden free as well as simpler and easier. Working in layers improves the accuracy and perfectness of project and thus minimizes errors. One can simply switch on to layers by using a simple command called â€œLayerâ€•. The Layer Properties Manager will be opened by using command layer where we can manage things easily and with high level of accuracy. By using Layer Properties Manager one can lock the undesired portion of drawing, hide components with same properties or which comes under same layer, freeze components, Isolate components to view things more clear, one can also change colors as per the requirement and many more tasks can be performed making the work easier and easier.

Applications:

1. One of the most important application of layering is one can change properties of components of same layers by changing their line type, line weight etc.

2. Suppose in one of the going project it is required to change line type and make the boundary lines dotted in all the drawings so instead of tedious activity of changing it one by one, one can select all the boundaries and making all of them dotted by a single click in Layer Properties Manager.

3. One can do the same above procedure if it is required to change line weight.

4. For changing colors of identical type of components same basic steps are applicable.

5. Thus in short Autocad Layering is the process of conversion or transition state from tedious time consuming activity to smart way of working.

Smart Basic Tools to be remembered while working with layers:

1. Creation of new layers: One can easily create no. of layers by simply going to creating new layer according to requirement.

2. Switching on to current layer: We can go to any desired layer and can put any components into required layers.

3. Assigning properties: This includes changing properties of various components like line type, line weight, colors etc.

4. Layers ON and Layers OFF: Making layers on and off helps us to reduce complications and making our task easier.

5. Locking and Unlocking layers: Locking of layers is used for making task risk and fear free from data getting deleted in mistake and other purposes. By locking the layers neither we can edit the components coming under that layer and nor we can change any properties and such locked portion can be unlocked whenever required.

Importance of LAYON and LAYOFF:

Importance of above two commands can be easily understood by following example:

In order to see the drawings more clearly sometimes we may have to remove all dimensions and texts which are no doubt important and can be required for further stage.

Therefore it is not possible to delete such texts and dimensions. In Layer Properties Manager we can select all texts and dimensions and just make the layers containing dims and texts by using â€œLAYOFFâ€•. Thus drawings are now available without texts and dimensions.

Now suppose we want back again the texts and dims for further stage, then one can simply get back them by simply turning layers on by using â€œLAYONâ€•.

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Kimberly Smith - About Author:
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