



**AUTODESK**  
**AUTOCAD**

**CAD Lab**

**Lecture # 08**

# Create Layers in AutoCAD

## *Learning Objectives of this Lecture*

- To know & to learn layers in AutoCAD.
- Layers for Continuous line, Dashed line, figure and dimensions.

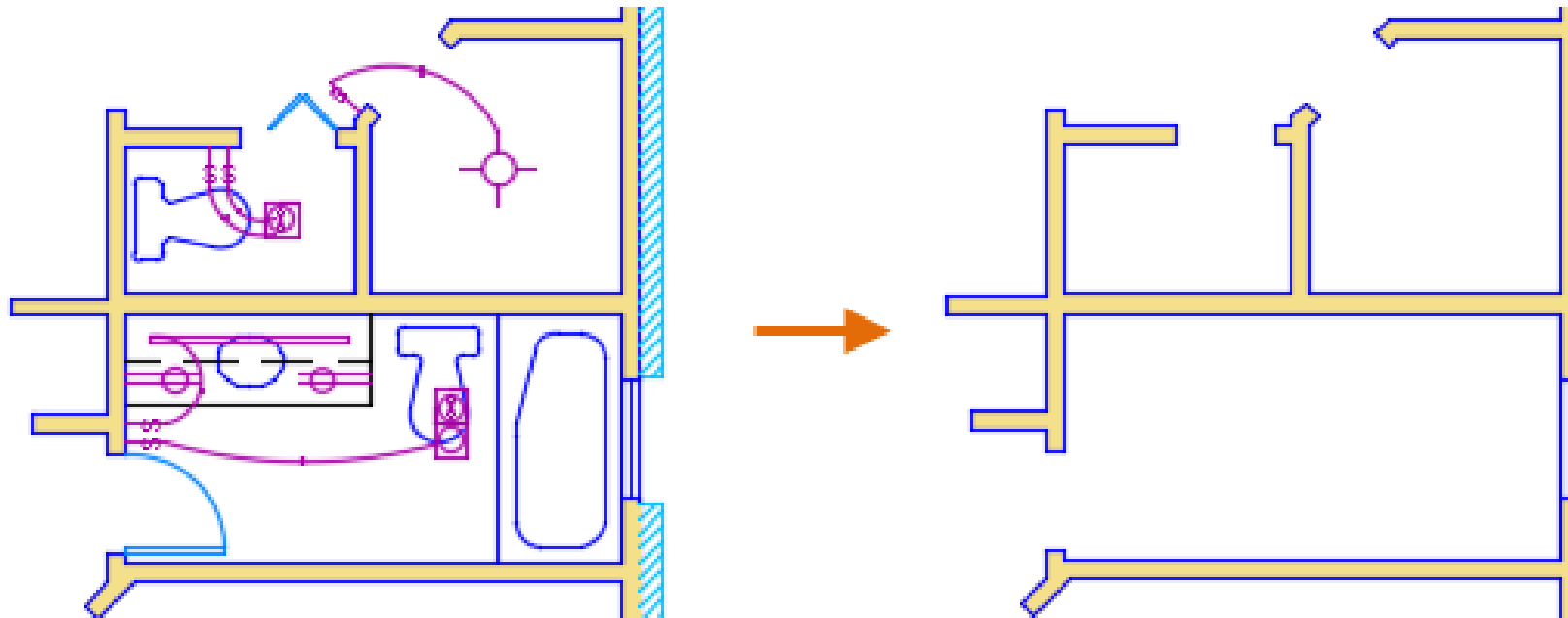
## Layers:- (La)

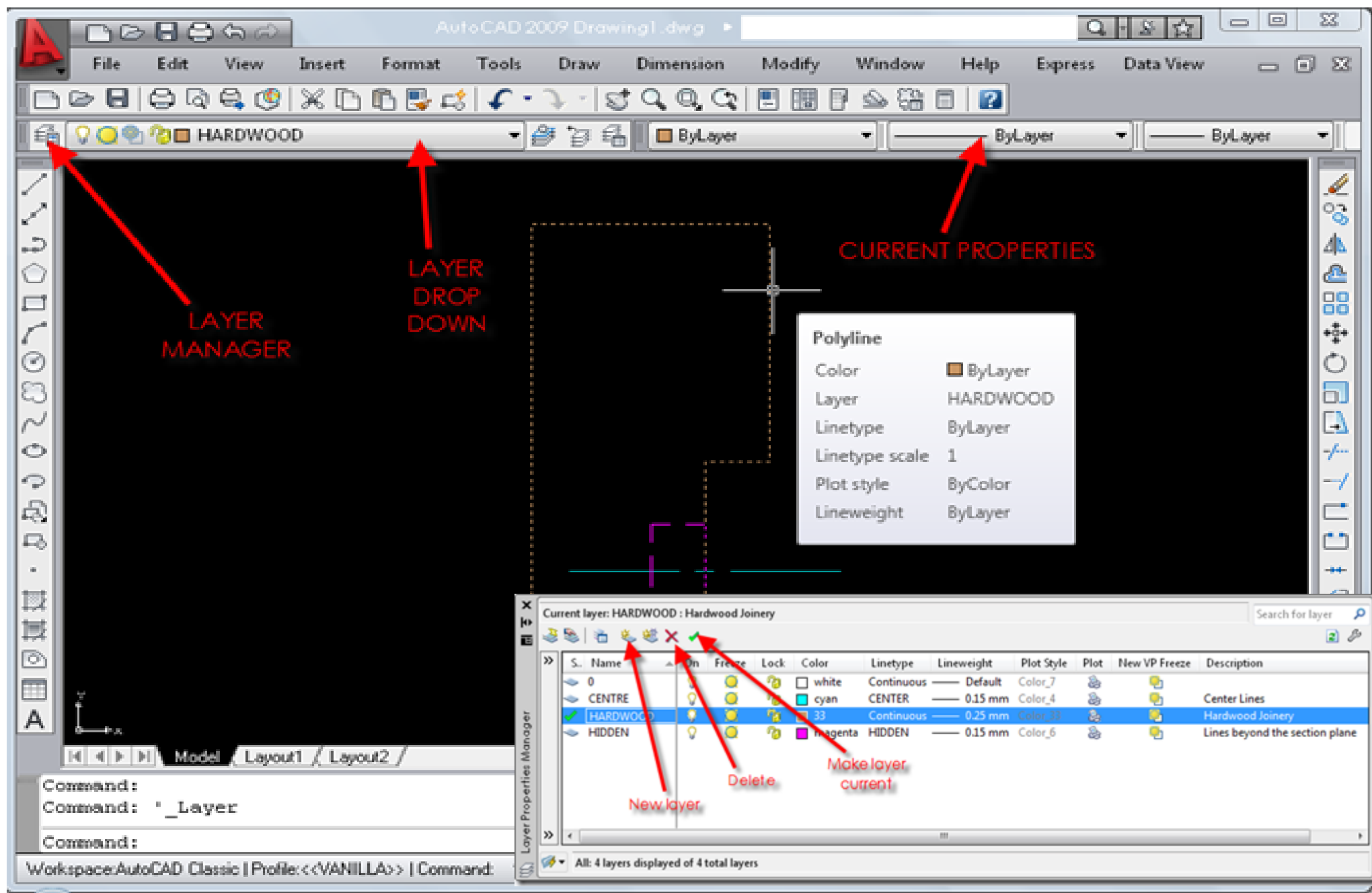
**Layers** are a fundamental feature of **AutoCAD**, used to apply colors, linetypes, lineweights, transparency, as well as control plotting characteristics. Not using **layers** efficiently or placing everything on **layer 0** will only cause rework and headaches for the next person working on your drawing.

Layers can reduce the visual complexity of a drawing and improve display performance by hiding information that you don't need to see at the moment.

In a house plan, you might create layers for the foundation, floor plan, doors, fixtures, electrical, and so on.

In this example, the display is limited to the objects on the Floor Plan layer by turning off the other layers.





# Layer Settings



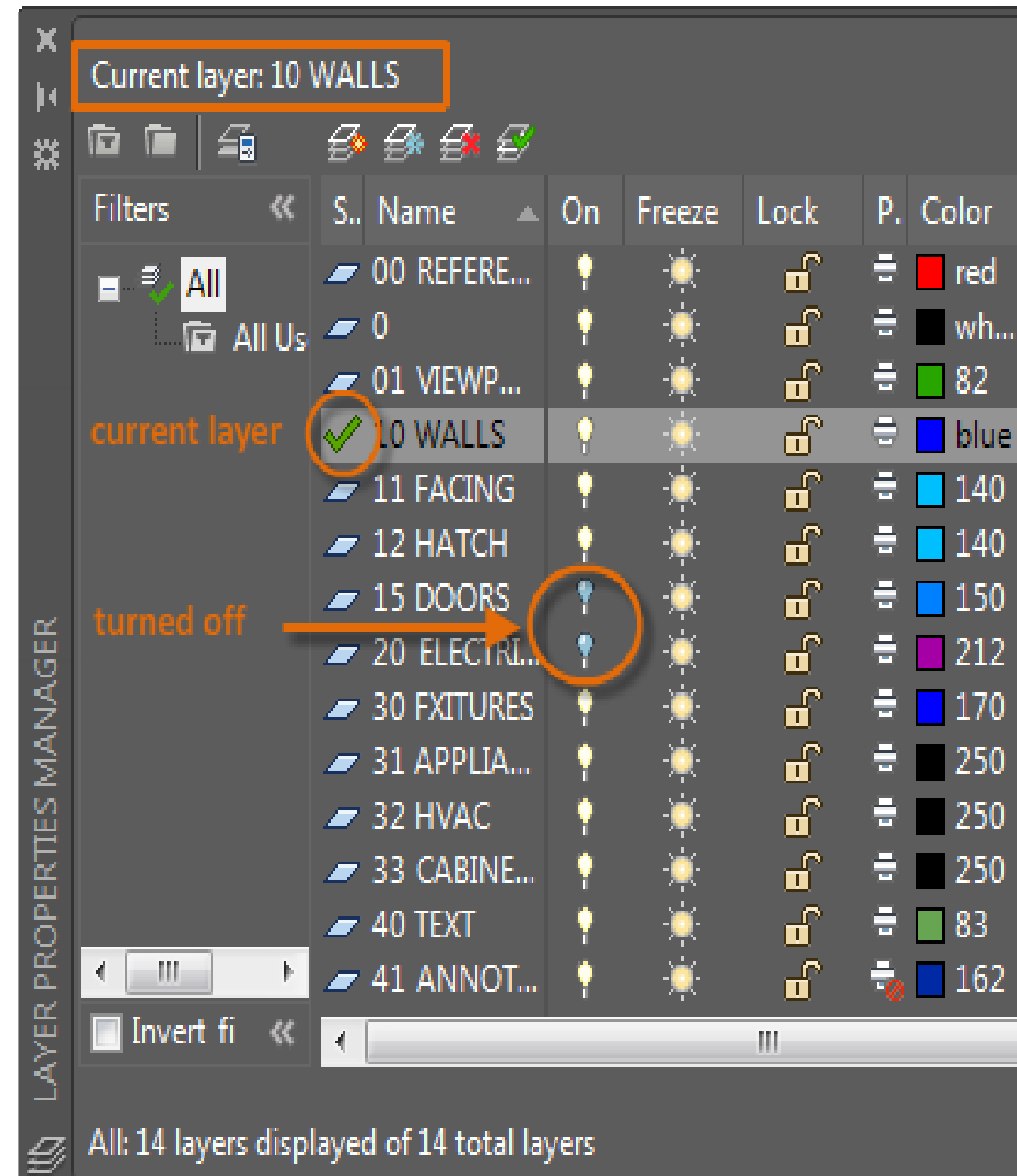
**Turn off layers.** You turn off layers to reduce the visual complexity of your drawing while you work.



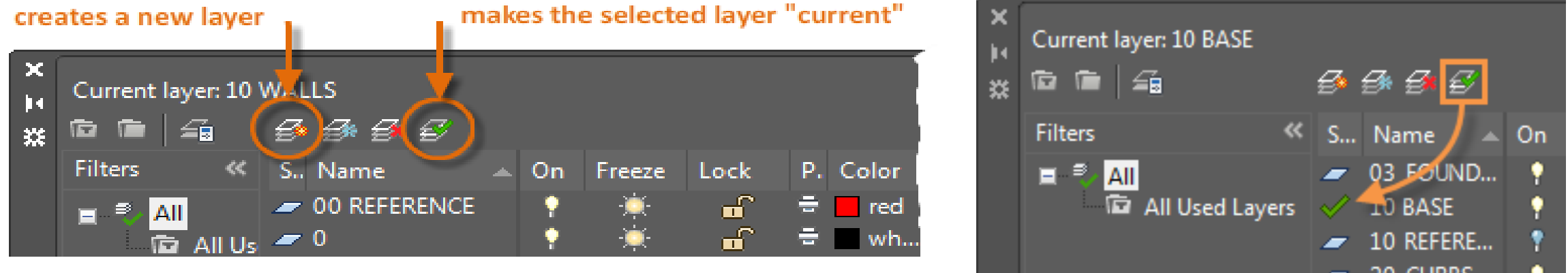
***Freeze layers.*** You freeze layers that you do not need to access for a while. Freezing layers is similar to turning them off, but improves performance in very large drawings.



***Lock layers.*** You lock layers when you want to prevent accidental changes to the objects on those layers. Also, the objects on locked layers appear faded, which helps reduce the visual complexity of your drawing, but still lets you see the objects faintly.



# Controls in the Layer Properties Manager



All new objects are drawn on the current layer. The green check mark on the Layer Properties Manager indicates the current layer.

## Current Layer

A layer cannot be the current layer if:

- The layer is frozen
- The layer is part of an external reference

[https://www.youtube.com/watch?time\\_continue=808&v=CXbBmD6EvDA&feature=emb\\_title](https://www.youtube.com/watch?time_continue=808&v=CXbBmD6EvDA&feature=emb_title)

**THANKS...!**

**QUESTIONS ARE WELCOME ....!!!**