

## LAB SESSION III:

COMMANDS COVERED THIS WEEK: - LAYER, XLINE, CHANGE, DDCHPROP, DDEDIT.

### •LAYER:

#### → USE

- ◆ In manual drafting, details of a design separated by placing them on different transparent sheets - “**Overlay or Pin Registry Drafting**”.
  - ◆ Each overlay is perfectly aligned with others.
  - ◆ All sheets placed together reflect the entire design.
  - ◆ Individual sheets show specific details regarding a particular aspect.
  - ◆ The same concept implemented in AutoCAD through the option “**LAYERS**”
- Example: In an architectural drawing, different layers could be used to depict structural, electrical, plumbing and HW/AC layout.

#### → EXECUTION

- a) Typing “LAYER” in the command line;
  - b) Through “FORMAT – LAYER”
- A “LAYER PROPERTIES MANAGER” will pop up.  
The screen shows the current layer.

#### → EXECUTION STEPS

Hit “NEW” to create a new layer.

The following variables describe the layer and its status:

- a) Name b) On/Off c) Freeze d) Lock/Unlock
- e) Color f) Line type g) Line weight

A frozen layer is invisible and excluded from regeneration and plotting.

Thus, you can create various different layers to represent different aspects of the drawing.

### •XLINE:

It creates infinite lines.

#### → EXECUTION

- ◆ Typing “XLINE” on the command line; or
- ◆ Through “DRAW - CONSTRUCTION LINE”

#### → EXECUTION STEPS

When you give the command, you are prompted to specify a point or to choose from the some options

Horizontal Vertical Angle Bisect Offset

By choosing any one of these options, you can generate a set of infinite lines passing

through a common point or having some common attribute.  
Such lines can be used very effectively to draw construction lines.

• **CHANGE:**

The “CHANGE” command changes the properties of existing entities.

→ **EXECUTION**

◆ Typing “CHANGE” in the command window.

For example: a) Line - Endpoint can be changed

b) Circle - Radius can be changed

c) Text – All options

By choosing the “properties” option, color, layers, linetype and such properties can be changed.

• **DDCHPROP:**

This command is used to change color, layer, line type and thickness of an object

→ **EXECUTION**

This command can be executed by typing “DDCHPROP” in the command window.

• **DDEDIT:**

This command is used to edit the text.

→ **EXECUTION**

It can be executed by typing “DDEDIT” in the command window.