



AutoCAD Level 2

Session 03

AGENDA

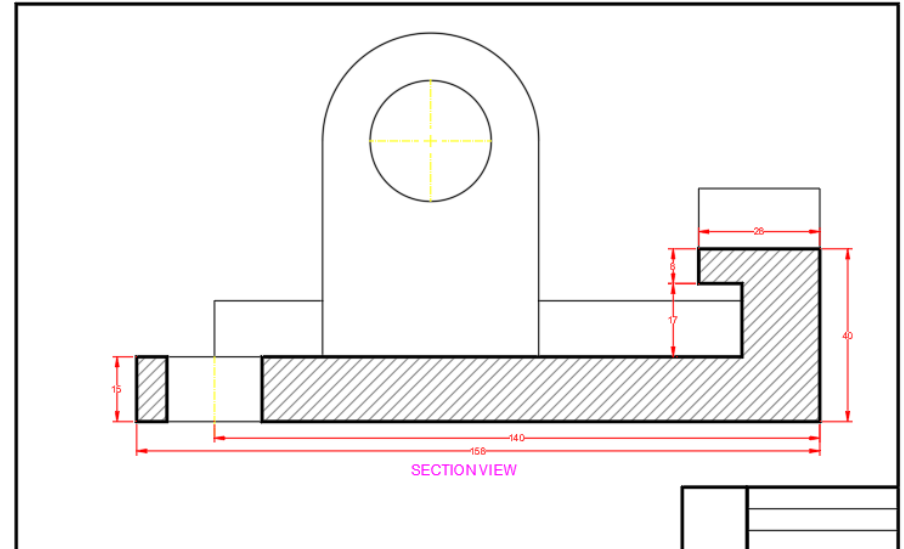
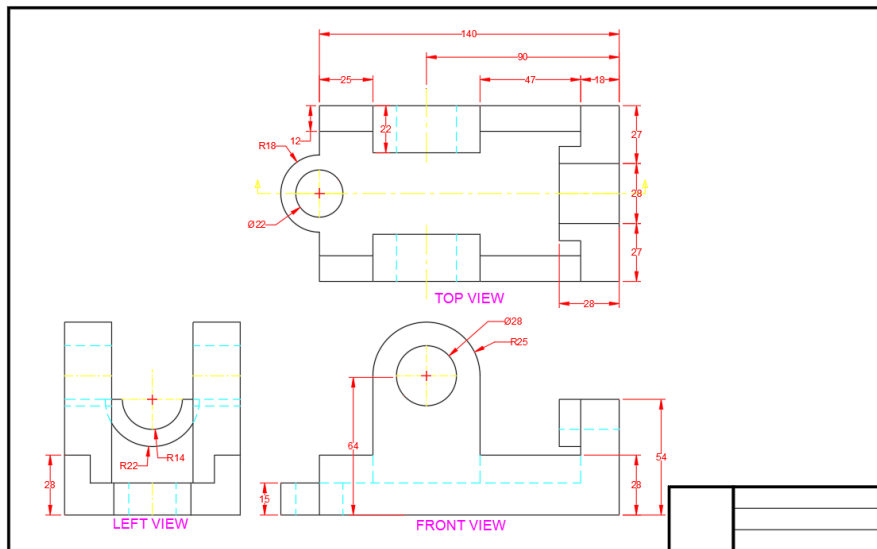
- **Adding Text**
 - Text styles (annotative)
 - Annotation scale
 - Single line text
- **Adding Dimensions**
 - Dimension styles (annotative)
 - Adding Dimensions

Annotative Objects

- All non-buildable items on a drawing are referred to as annotative objects. The following are a list of examples of annotative objects:
 - Text
 - Dimensioning
 - Symbols
 - Certain hatch patterns
 - Title blocks
- When we talk about the size of any annotative object we must refer to the printable size not the model size.

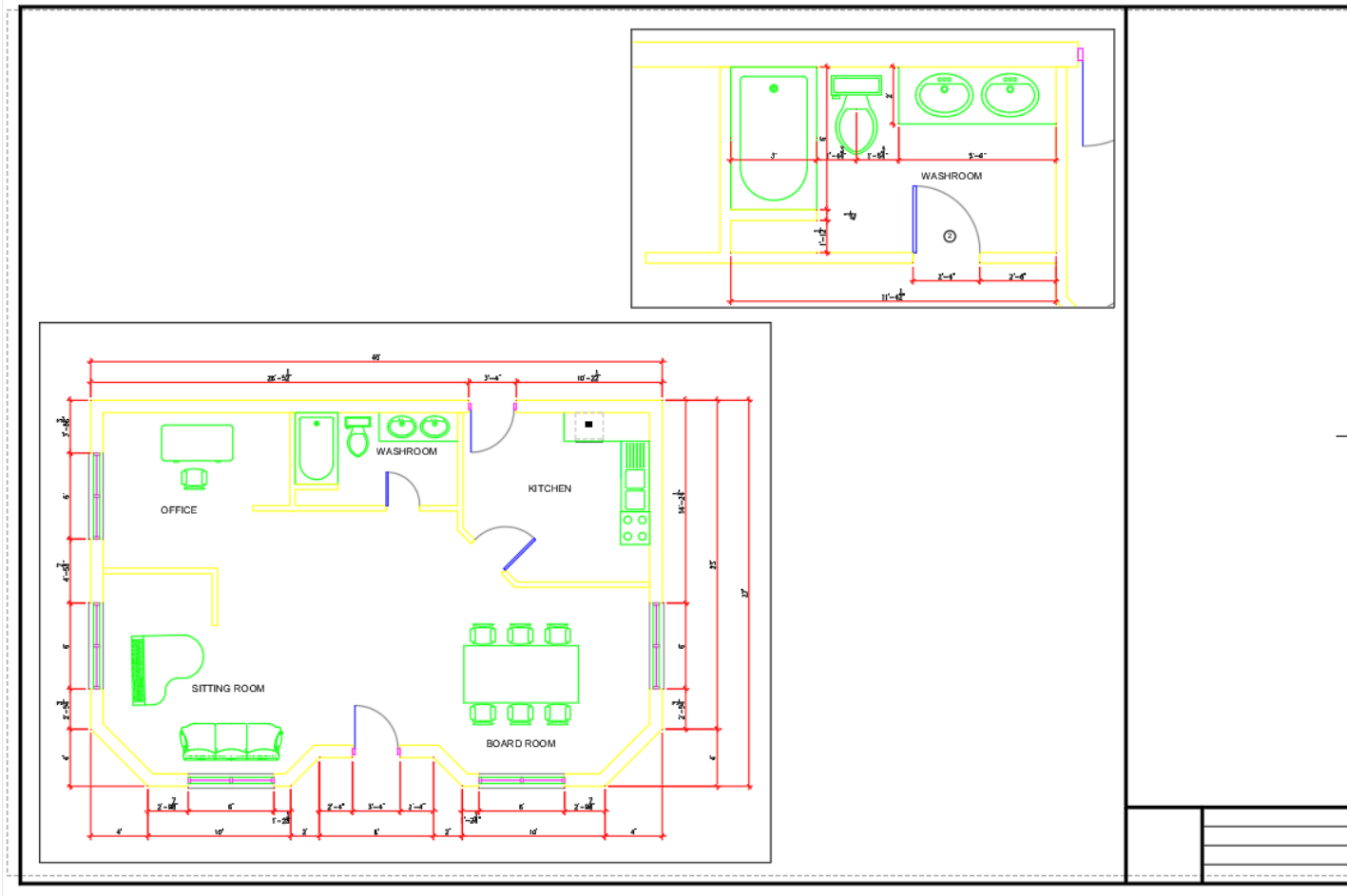
Exercise 5.dwg

- Open Exercise 1.dwg
- Set the Annotation scale equal to the viewport scale
- Use Medium size text to label each view
- Dimension all require dimensions using the annotative style, enough to build it. Do not over dimensions.
- Make sure to set the annotation scale correctly before you add the text and dimensions



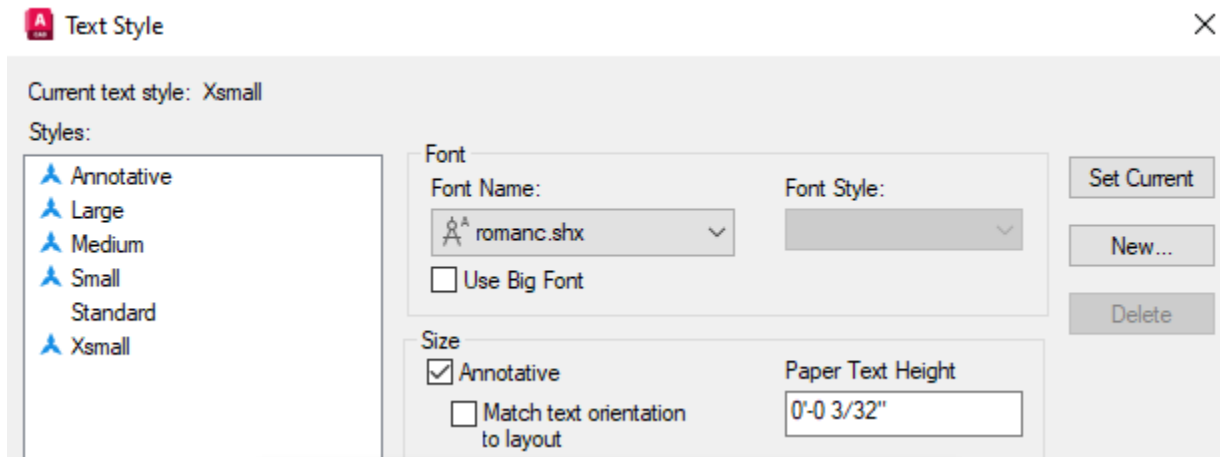
Exercise 6.dwg

- Open Exercise 4.dwg
- Use Medium size text to label all rooms
- Use the 3 tier system and an architectural style to Dimension the exterior of the building.



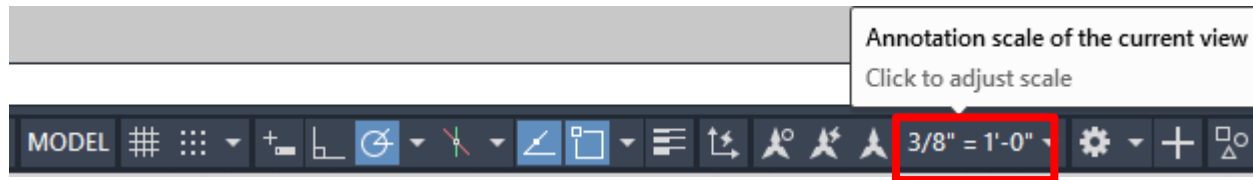
Annotative Text style

- In most drawings you should only have 4 printable text Heights.
- Xsmall (3/32"), Small (1/8"), medium (3/16") and large (1/4")
- Xsmall (2.3mm), Small (3.2mm), medium (4.8mm) and large (6.4mm)



Annotation Scale

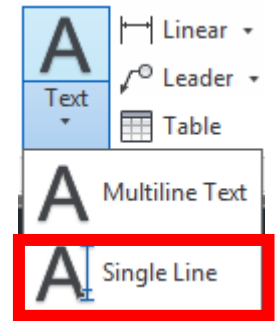
- Controlling the size of text and dimensioning is one of the hardest things to control and understand in AutoCAD.
- When we talk about the size of annotations, we should refer to them in their printable size.
- To control annotative sizing we first must know what scale the drawing will eventually be printed at.
- When printing from paper space, we control the printable scale when we set our viewport scale.
- ***Therefore we must set our annotation scale to equal the scale of the viewport in which we would like to see the annotative object in. ***



- So if we set the annotation scale equal to the scale of our viewport, the size of any annotation is set to the printable size.

Single Line Text

- Text can be added to an Autocad drawing to create notes and labels on your drawings. There are two different text commands used to add text to drawings: single line **text** and **Multiline text**.
- The single line **text** command is a simple way to add basic text notes. The height and rotation of the text can be quickly specified and the text can be viewed on the drawing while being typed.



1) Enter the single line text command

2) When prompted for a start point, select somewhere in the screen just left of centre

3) When asked for a rotation angle, hit enter to accept the default of 0.

5) Now simply enter your text. Type: your first name then hit return to start a new line

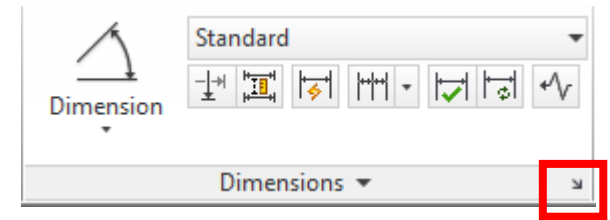
Type: your middle name then hit return to start a new line

Type: last name

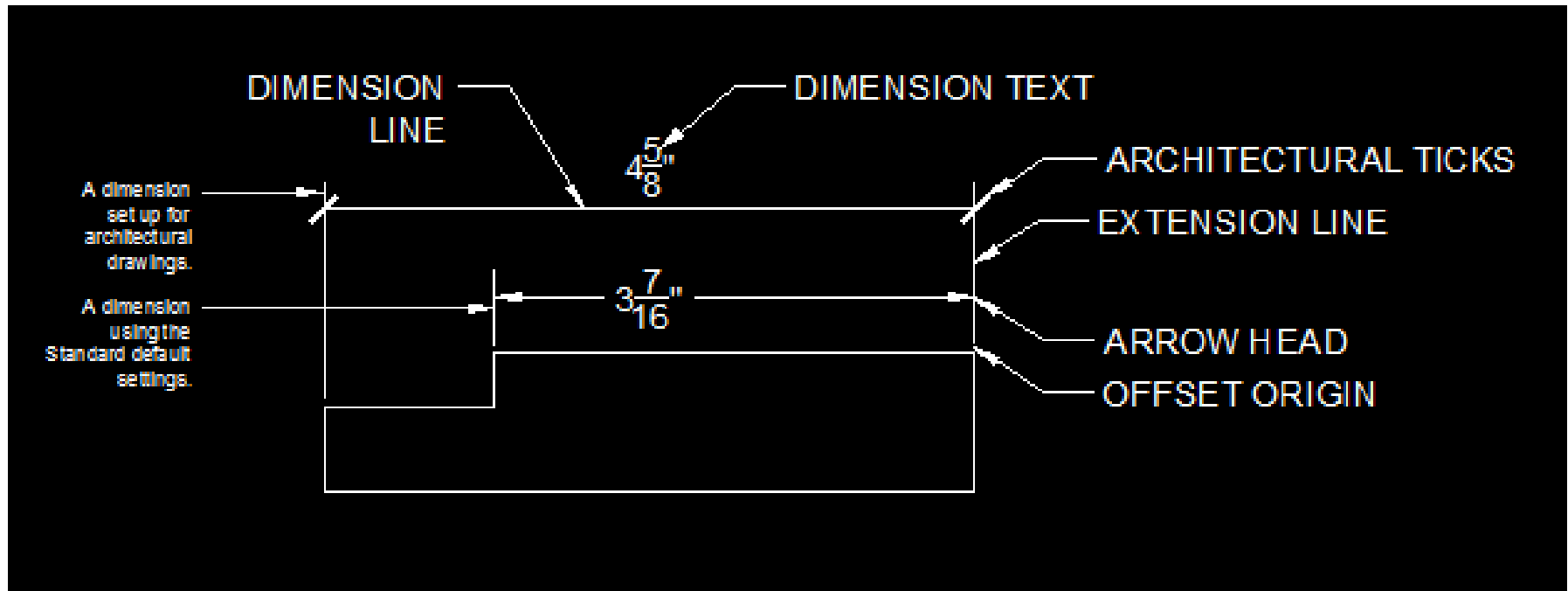
6) Hit return twice to exit the text command.

The text should be on 3 separate lines as shown to the right.

Dimension Style



- Dimension styles are the main method used to control the way dimensions look. Using styles you can change the text font, the arrow head style, the relative position of the text, the scale of dimensions and many other parameters. Styles are created using the DIMSTYLE command.



3 tier method

- Tier 1- windows and door openings
- Tier 2 – Exterior Walls
- Tier 3 – Full building length

