



AutoCAD Level 1













Session 10

AGENDA

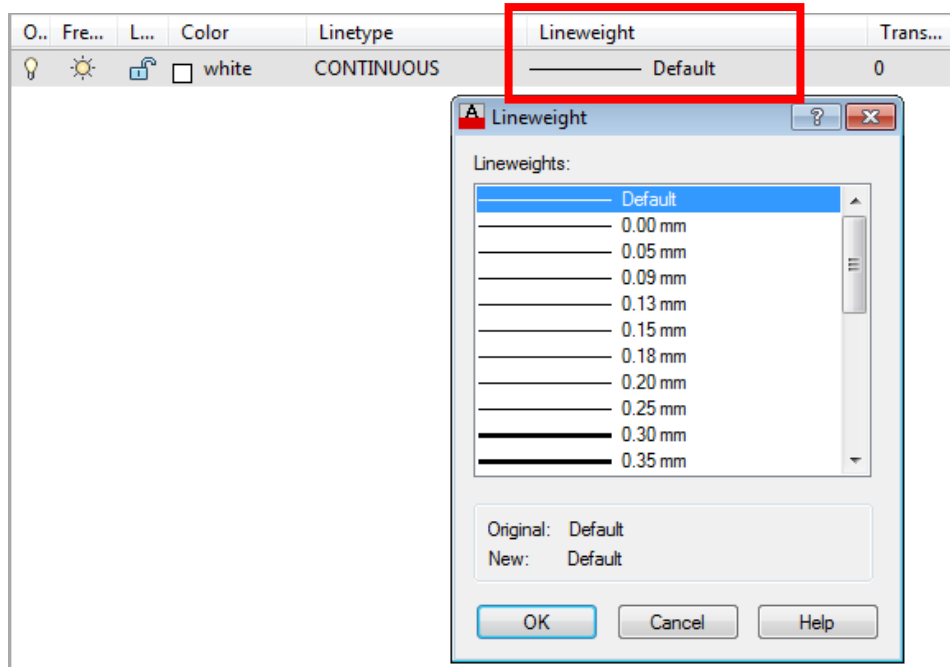
- LINE WEIGHTS
- PRINTING TO A PDF

Line weights

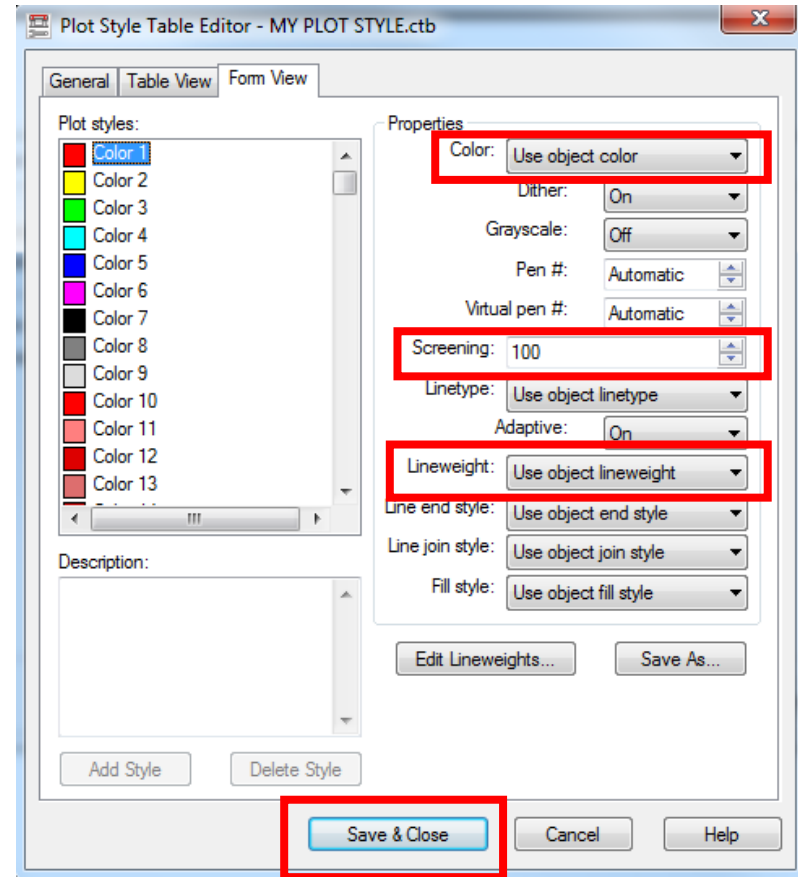
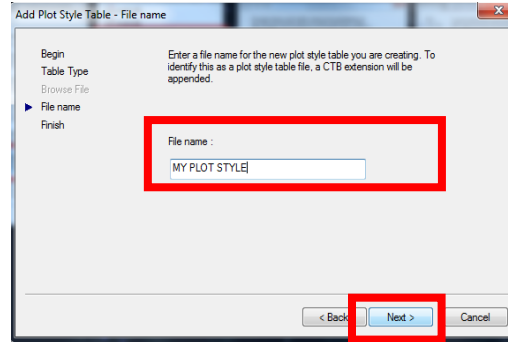
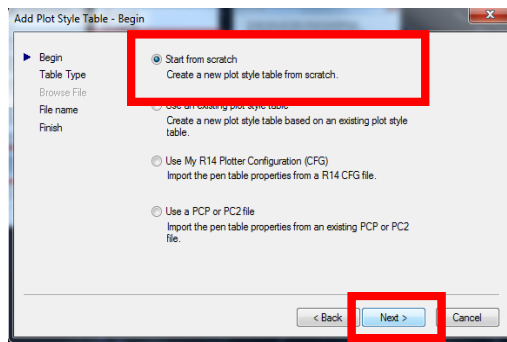
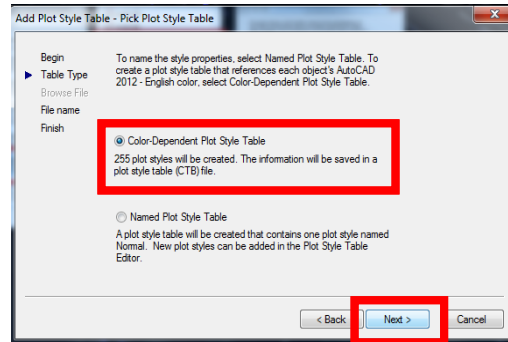
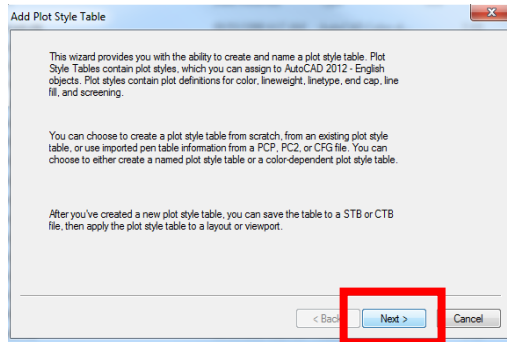
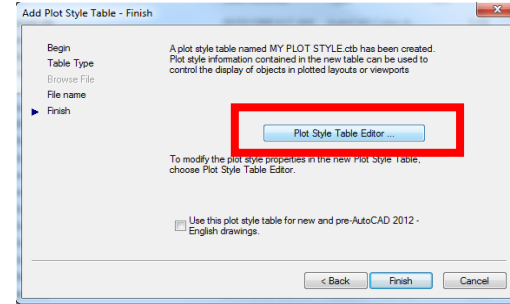
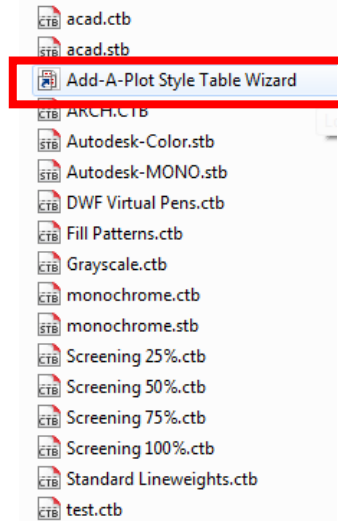
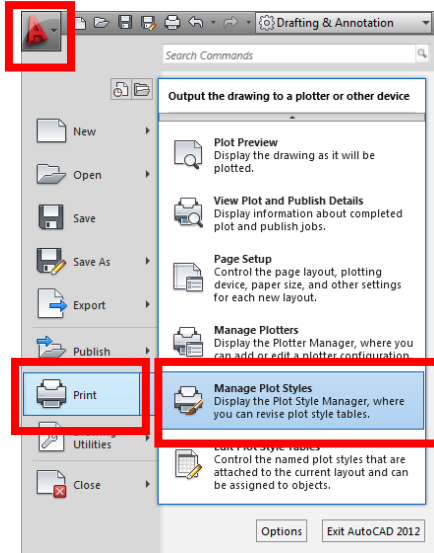
- **Line weights, or the varying line thicknesses used in engineering drawing, are essential in creating a drawing that communicates efficiently.**
- While line weight is an important factor on drawings, it is only so on hardcopy documents. Different line thicknesses on screen are of no value and in fact, if you were to use them, would be a hindrance. Instead, different line types are shown in colors which can symbolize different lineweights
- In Autocad, there are 2 ways to deal with Line weight: by colour and by layer.
- Colors are most commonly used to represent line weights. Selecting different colors is just like picking up pens with varying line thickness. We then tie these colors into layers to control the visibility of drawing components.
- The other least used method is that of layer line weight control. Simply add a line weight to a layers properties in the layer control manager.

BLACK			
	.13MM .005		.60MM .023
	.18MM .007		.70MM .027
	.25MM .009		.80MM .031
	.30MM .011		1.0MM .039
	.35MM .013		1.2MM .047
	.50MM .019		2.0MM .078

Lineweights via Layers

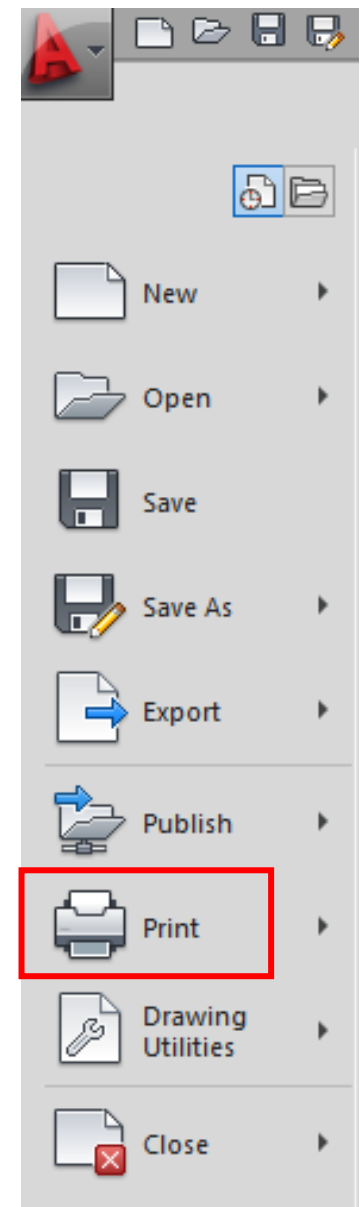
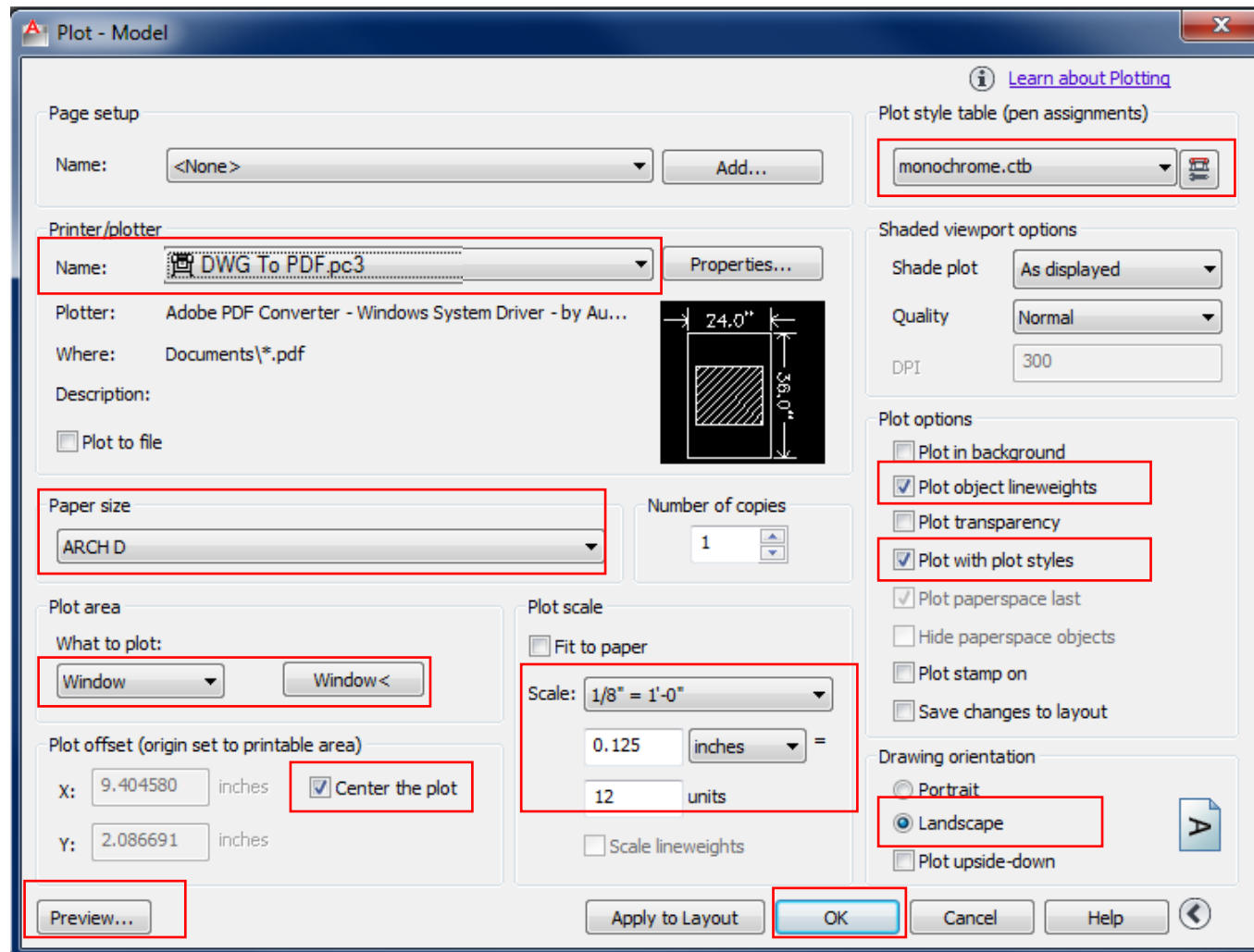


Lineweights via Colors- .ctb files



Plotting to a PDF

- Once you have a drawing open in AutoCAD, it ought to be quite simple to plot it to a known scale but actually, it can be quite complicated for the AutoCAD beginner.



Exercise 25.dwg

