

## CAD2 assignment – Architectural plan

- 1- Download the file “Arch-plan-startup.dwg” from the course website.
- 2- Set the length units to Architectural, Inches and with a precision of 0’-0 1/32” (units).
- 3- In this file, the exterior walls were drawn in layer A-Walls.
- 4- Before doing your plan, first create layers as:

S..	Name	O..	Fre...	L...	Color	Linetype	Lineweight	Plot S...	P...	N..	Description
0	0				white	Continuous	Default	Normal			The default layer--do not use
	A-Doors				blue	Continuous	Default	Normal			Use on the Model tab
	A-Walls				white	Continuous	Default	Normal			Use on the Model tab
	Defpoints				white	Continuous	Default	Normal			Definition points for dimension
	Dimensions				red	Continuous	Default	Normal			Create all dimensions from the
	Reference				green	Continuous	Default	Normal			Use for construction and refere
	Text				magenta	Continuous	Default	Normal			Use for notes and labels on the
	Title Block				white	Continuous	Default	Normal			Use for the title block on the lay
	Viewport				blue	Continuous	Default	Normal			Use for layout viewports--turn i

- 5- Set the Reference layer as the current layer and draw the lines that represent the middle of interior walls.
- 6- Change the layer to A-Walls.
- 7- Using the command Offset, extend, trim, fillet and/or grips, draw the walls (walls thickness is 5”).
- 8- Change the layer to A-Doors.
- 9- Go to the Tool Palettes, Architectural and insert a Door-Imperial. Adjust it to have a door of 32”.
- 10- In Insert tab and from Design Center, drag “Door – Bifold” to your drawing and adjust it for your plan.
- 11- Now change the space and go to the Layout1.
- 12- Right click on the layout1 tab and verify the page setup for the paper size (set it to letter)
- 13- From View tab, Viewport panel chose New and select two corner of layout. Do not forget to put the viewport on viewport layer.
- 14- Select viewport and change its scale to a standard scale.
- 15- Create appropriate dimension style.
- 16- Dimension your plan (based on architectural format, Lecture 4).
- 17- Add the necessary texts and also notes as below: (use multiline text with a height of 3/32”)

### NOTES:

UNITS : FOOT-INCHE

INTERIOR WALLS WIDTH : 5"

DOORS STD, WIDTH : 32"

DISTANCE TO WALL : 8"

CLOSET DOORS, WIDTH : 50"