EXERCISE 9A

In this exercise you will create a master template named "**Border A**" to be used for the exercises in Lessons 9 through 25. Follow the easy steps below. <u>Do not skip any</u>.

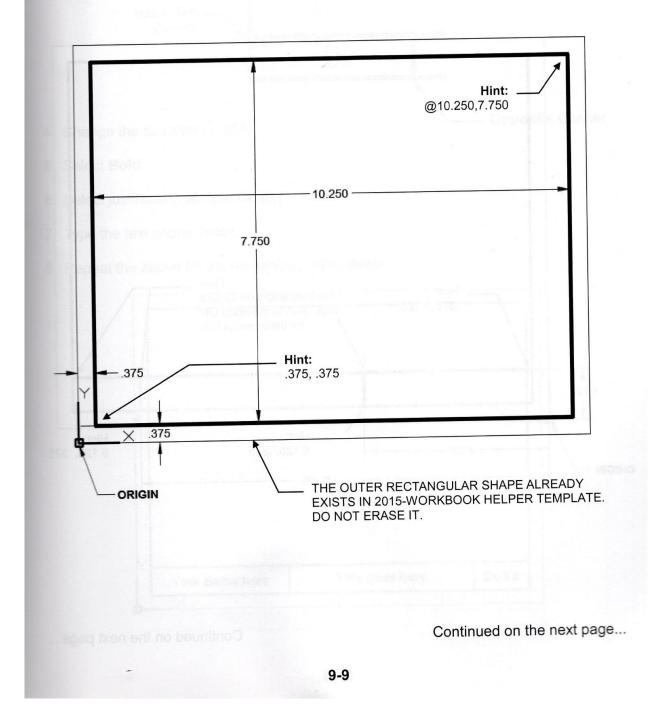
STEP 1: (Select the Settings)

- 1. Start a NEW file using 2015-Workbook Helper.dwt
- 2. Set **Units** (Refer to page 4-14) Units = Decimal Precision = 0.000
- 3. Set **Drawing Limits** (Refer to page 4-10) Lower Left Corner = 0,0 Upper Rt. Corner = 11, 8.5
- 4. Show the new limits using: (Refer to page 4-8) **Zoom / All**
- 5. **Important**: Change Lineweight settings to **Inches** and **adjust Display scale**. Refer to bottom of page 3-12
- Set Grids and Snap (Refer to page 3-7, 4-12 and 4-13)
 Snap = .125 (this is important, it will make it easier to draw the lines)
 Grids = 1.00

Continued on the next page...

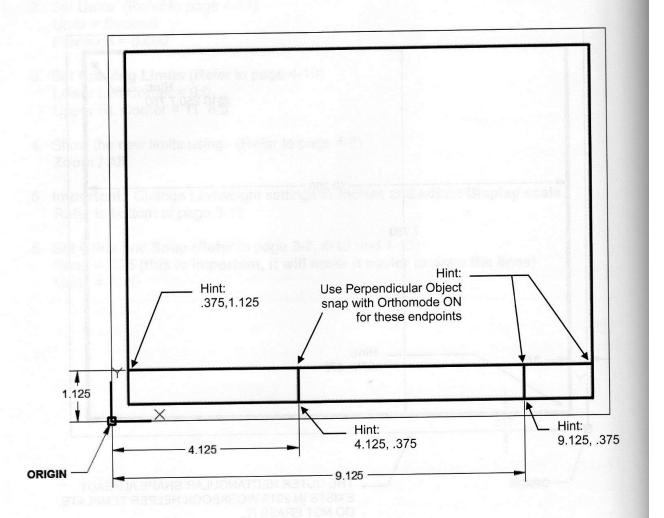
STEP 2: (Draw the Border Lines)

- 1. Select Layer Borderline
- 2. Draw the border below using the dimensions shown.



STEP 3: (Draw the TITLE BLOCK Lines)

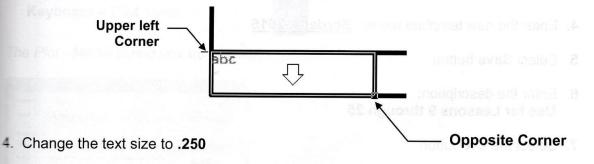
- 1. Select Layer Borderline
- 2. Draw the 3 TITLE BLOCK lines as shown below using the dimensions shown.



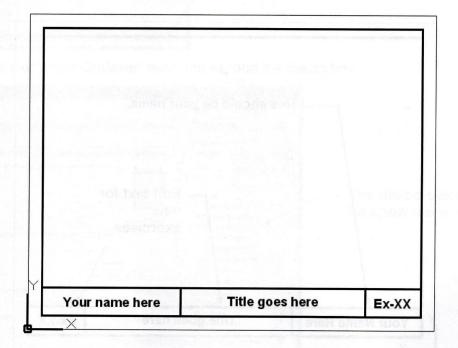
Continued on the next page ...

STEP 4: (Enter the TEXT)

- 1. Select Layer Text
- 2. Select Multiline text command.
- 3. Select the upper left corner and then the opposite corner.



- 5. Select Bold
- 6. Select justification Middle Center
- 7. Type the text shown below.
- 8. Repeat the above for the remaining 2 title boxes



Continued on the next page....

STEP 5: (Save the border as a Template)

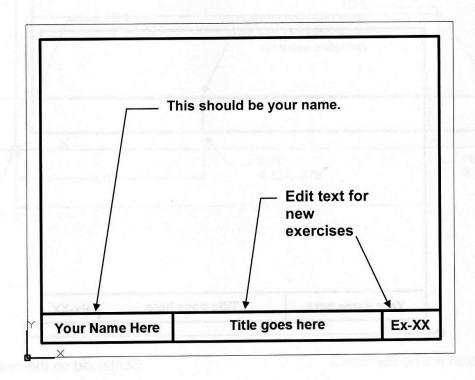
- 1. Select the Application Menu (Refer to page 2-4)
- 2. Select Save As ►
- 3. Select AutoCAD Drawing Template
- 4. Enter the new template name: Border A-2015
- 5. Select Save button
- 6. Enter the description: Use for Lessons 9 through 25
- 7. Select the OK button

You now have a template to use for Lessons 9 through 25.

At the beginning of each exercise you will be instructed to start a **New** drawing using **Border A-2015.dwt**

You will **edit** the **title** and the **Ex-XX** to match the exercise. Editing makes it much easier. You will not need to change the location of the text. Merely edit it.

If you would like to Print this border follow the steps on the following pages.

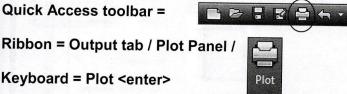


Basic Plotting from Model Space

Note: More Advance plotting methods will be explained in Lessons 26 and 27.

- 1. Important: Open the drawing you want to plot, if it is not already open.
- 2. Select: Zoom / All to center the drawing within the plot area.
- 3. Select the Plot command using one of the following;

Quick Access toolbar =

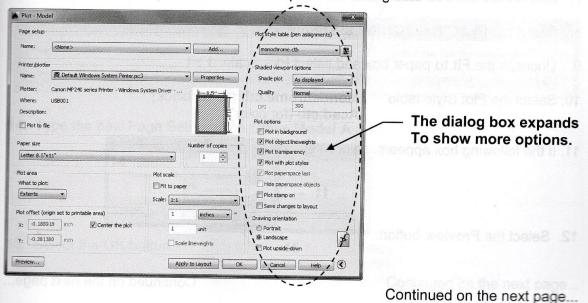


Keyboard = Plot <enter>

The Plot – Model dialog box will appear.

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Page setup					
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Plot area What to plo Extents	st:	Plot scale Fit to paper Scale: 1:1		. More Options button.	
Plot offset (c X: -0.188 Y: -0.281	En serie arc por	1 inches = 1 unit Scale lineweights			
Preview	Apply to Layout OK	Cancel Help 🔊	200.000		

4. Select the "More Options" button to expand the dialog box.



Plot - Model	Plot style table (pen assignments)
Page setup	
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Where: USB001	
Description:	
	Plot options
Plot to file	Plot in background
Paper size	Number of copies
Letter 8.5"x11"	1 V Plot with plot styles
Plot scale	Plot paperspace last
	Hide paperspace objects
	Plot stamp on
Extents Scale: 1:1	Save changes to layout
Plot offset (origin set to printable area)	Inches
x: -0.188918 inch Center the plot	unit O Portrait
Y: -0.281380 inch	ile lineweights Plot upside-down
Preview	ply to Layout OK Cancel Help 🔇

- 5. Select your printer from the drop down list of Default windows system printer.pos Note: If your printer is not shown in the list you should configure your printer within AutoCAD. This is not difficult. Refer to Appendix-A for step by step instructions.
- 6. Select the Paper size Letter.
- 7. Select the Plot Area Extents
- 8. Select the Plot Offset Center the Plot
- 9. Uncheck the Fit to paper box and select Plot Scale 1:1
- 10. Select the Plot Style table

Monochrome.ctb (for all black) Acad.ctb (for color)

11. If the following box appears, select Yes



12. Select the Preview button.

Continued on the next page ...

Note: If you are using a 30 day free trial or student version
software, your display may appear with text around the perimeter.

	*	

Does your display appear as shown above? If yes, press <enter> and proceed to 13. If not, recheck 1 through 11.

You have just created a **Page Setup**. All of the settings you have selected can now be saved. You will be able to recall these settings for future plots using this page setup. To save the **Page Setup** you need to **ADD** it to the model tab within this drawing.

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16. Select the Apply to Layout button.

age setup					Plot style table	(pen assignments)	
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			DPI	300			
Description:			Plot options				
Plot to file					Plot in ba	ckground ct lineweights	
			umber of copies				
	Paper size				Plot transparency		
Letter 8,5"x11"			Plot paperspace last				
Plot area	Plot scale		Hide paperspace objects				
What to plot:		Fit to paper		Plot stamp on			
Extents		Scale: 1:1		Save changes to layout			
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- 17. Select the **OK** button to send the drawing to the printer or <u>select Cancel if you do</u> not want to print the drawing at this time. The Page Setup will still be saved.
- Save the entire drawing again as a template using Save as AutoCAD drawing template: Border A-2015. (Refer to page 9-12)

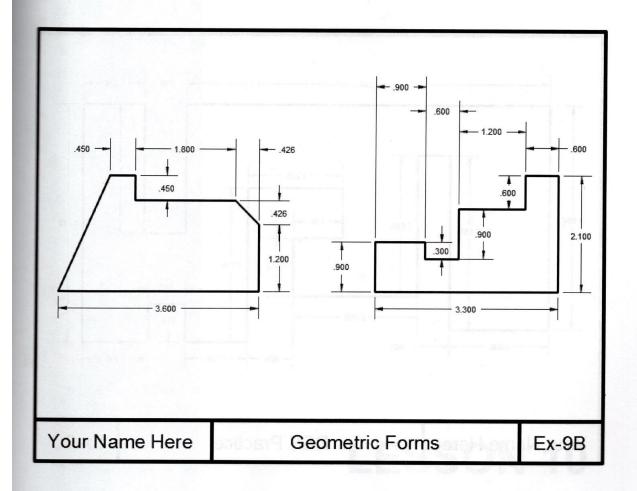
The Page Setup will be saved to the drawing and available to select in the future. You will not have to select all the individual settings again unless you choose to change them.

> Now go tape your print out to the refrigerator door. This is quite an accomplishment.

# **EXERCISE 9B**

### **INSTRUCTIONS:**

- 1. Start a NEW file using Border A-2015.dwt
- 2. Draw the objects below using Absolute and Relative coordinates.
- 3. Use Layer = Object Line.
- 4. Edit the Title and Ex-XX by double clicking on the text. Do not erase and replace.
- 5. Do not dimension (We will get to that soon).
- 6. Save as EX9B
- 7. Plot using Page Setup Class Model A (Refer to page 9-13 through 9-16).



# **EXERCISE 9C**

#### **INSTRUCTIONS:**

- 1. Start a NEW file using Border A-2015.dwt
- 2. Draw the objects below using Direct Distance Entry (DDE).
- 3. Use Layer = Object Line.
- 4. Edit the Title and Ex-XX by double clicking on the text. Do not erase and replace.
- 5. Do not dimension.
- 6. Save as EX9C
- 7. Plot using Page Setup Class Model A (Refer to page 9-13 through 9-16).

