

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. Do not skip any.

STEP 1: (Select the Settings)

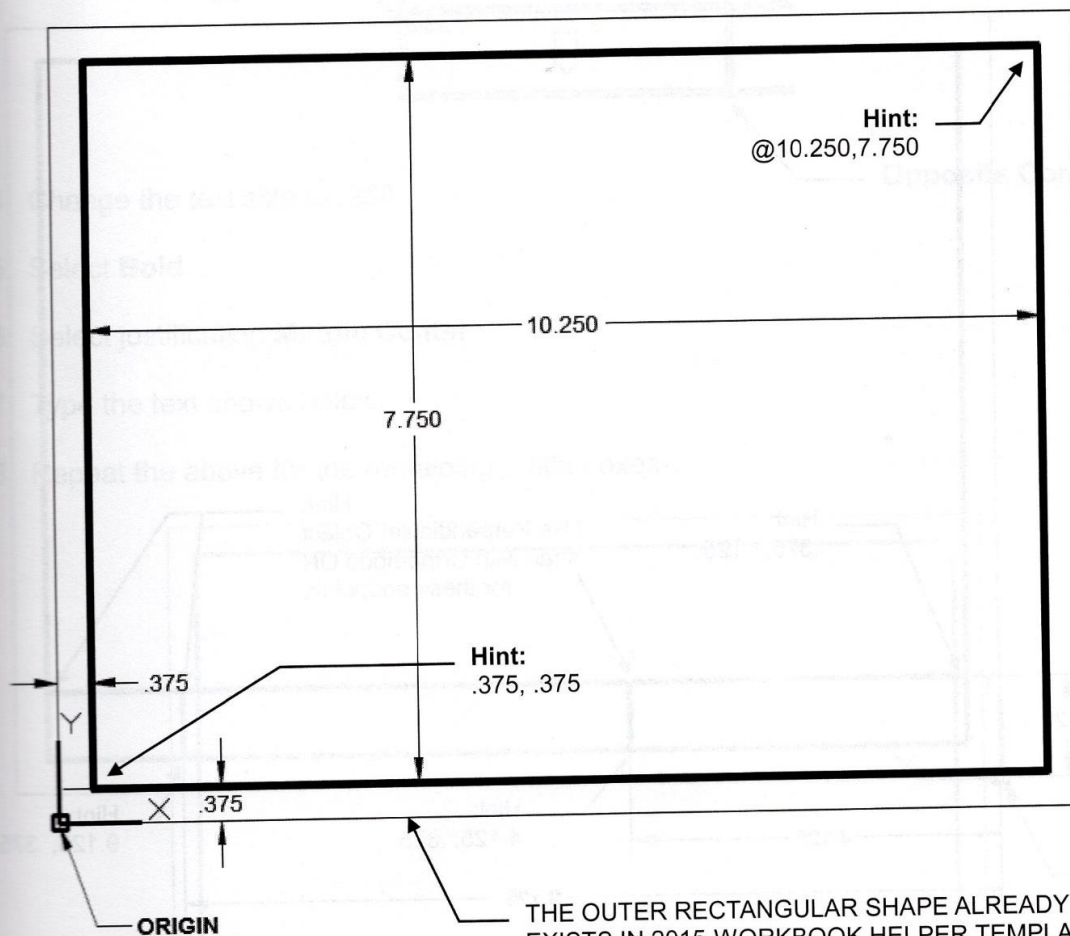
1. Start a **NEW** file using
2015-Workbook Helper.dwt
2. Set **Units** (Refer to page 4-14)
Units = Decimal
Precision = 0.000
3. Set **Drawing Limits** (Refer to page 4-10)
Lower Left Corner = 0,0
Upper Rt. Corner = 11, 8.5
4. Show the new limits using: (Refer to page 4-8)
Zoom / All
5. **Important:** Change Lineweight settings to **Inches** and **adjust Display scale**.
Refer to bottom of page 3-12
6. 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

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STEP 2: (Draw the Border Lines)

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



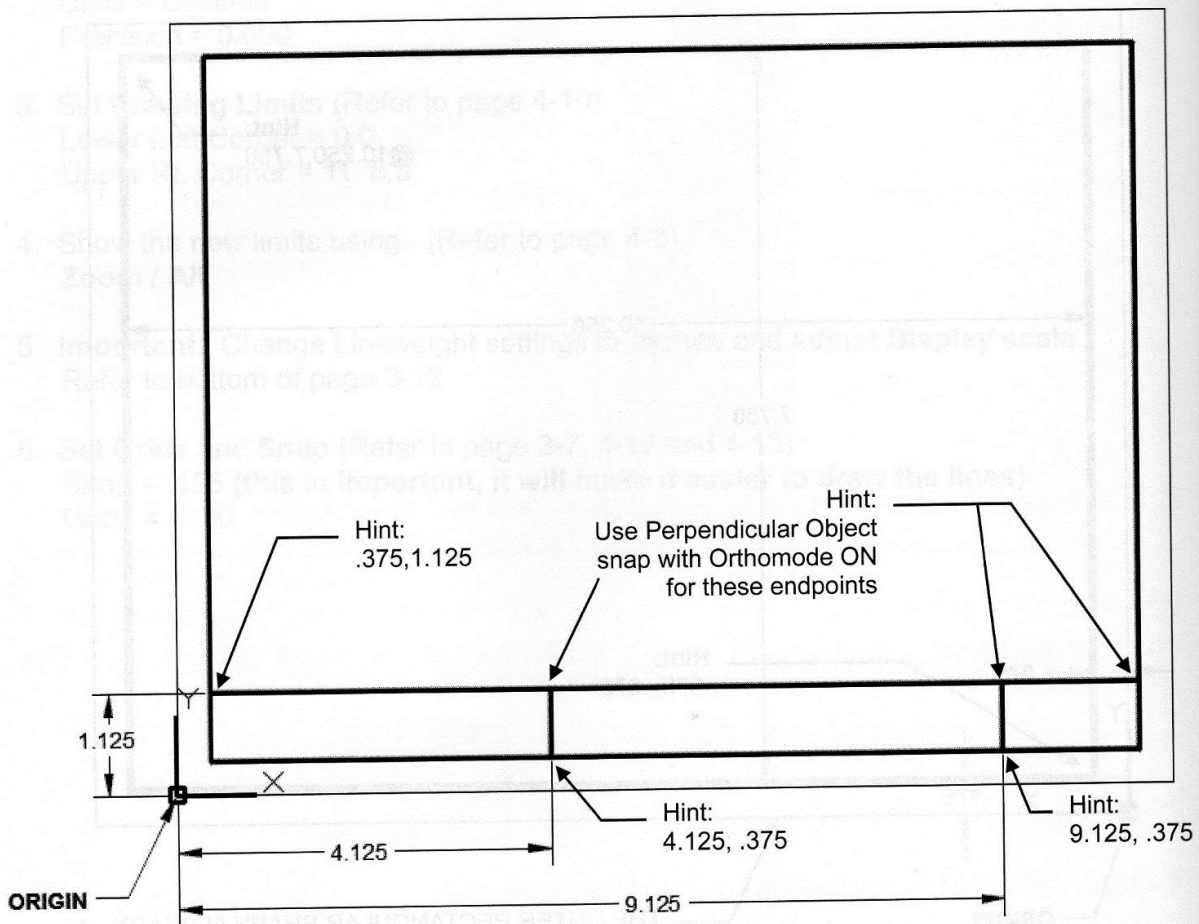
THE OUTER RECTANGULAR SHAPE ALREADY EXISTS IN 2015-WORKBOOK HELPER TEMPLATE. DO NOT ERASE IT.

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EXERCISE 9A....continued

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.

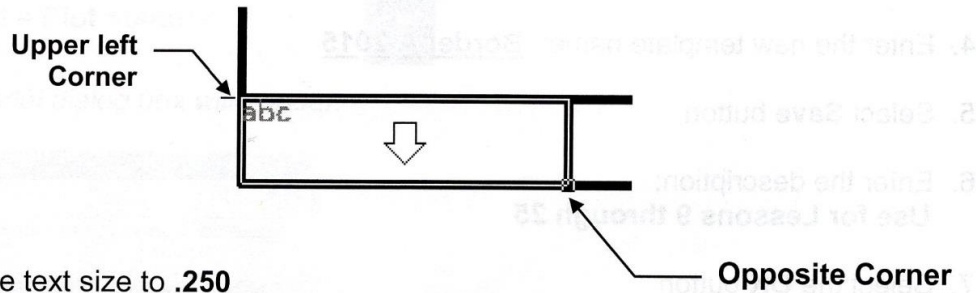


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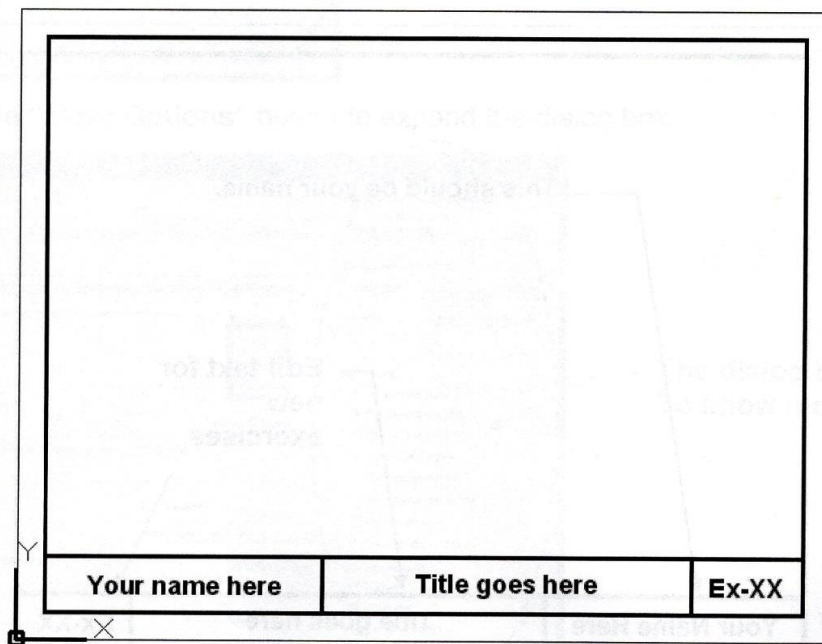
EXERCISE 9A....continued

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.



4. Change the text size to **.250**
5. Select **Bold**
6. Select justification **Middle Center**
7. Type the text shown below.
8. Repeat the above for the remaining 2 title boxes



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STEP 5: (Save the border as a Template)

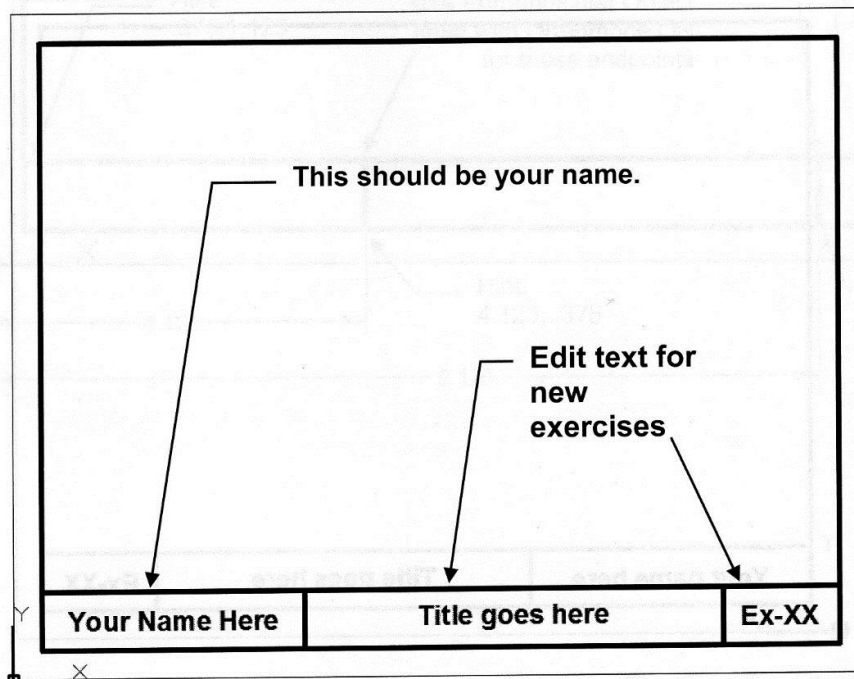
1. Select the **Application Menu** (Refer to page 2-4)
2. Select **Save As** ►
3. Select **AutoCAD Drawing Template**
4. Enter the new template name: **Border A-2015**
5. Select **Save** button
6. Enter the description:
Use for Lessons 9 through 25
7. Select the **OK** button

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 =

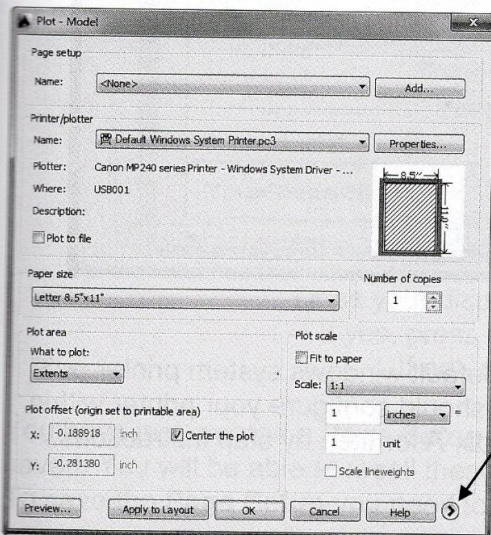


Ribbon = Output tab / Plot Panel /



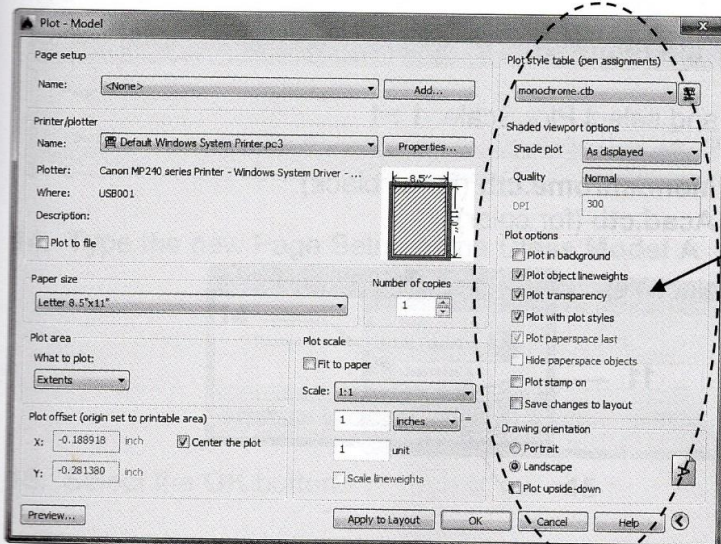
Keyboard = Plot <enter>

The Plot –Model dialog box will appear.



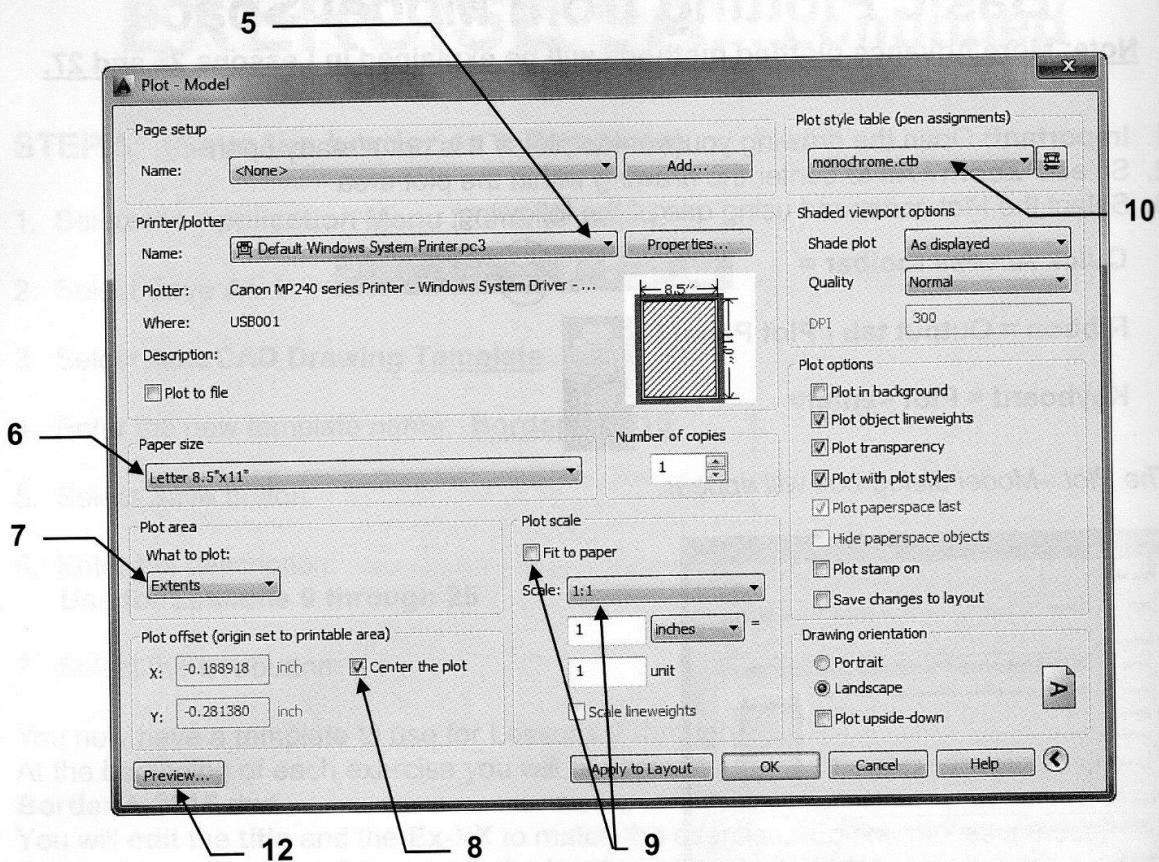
4. More Options button.

4. Select the “More Options” button to expand the dialog box.

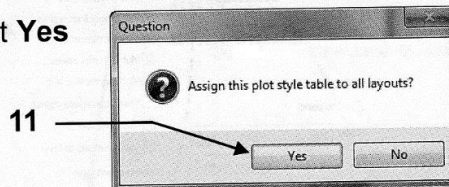


The dialog box expands To show more options.

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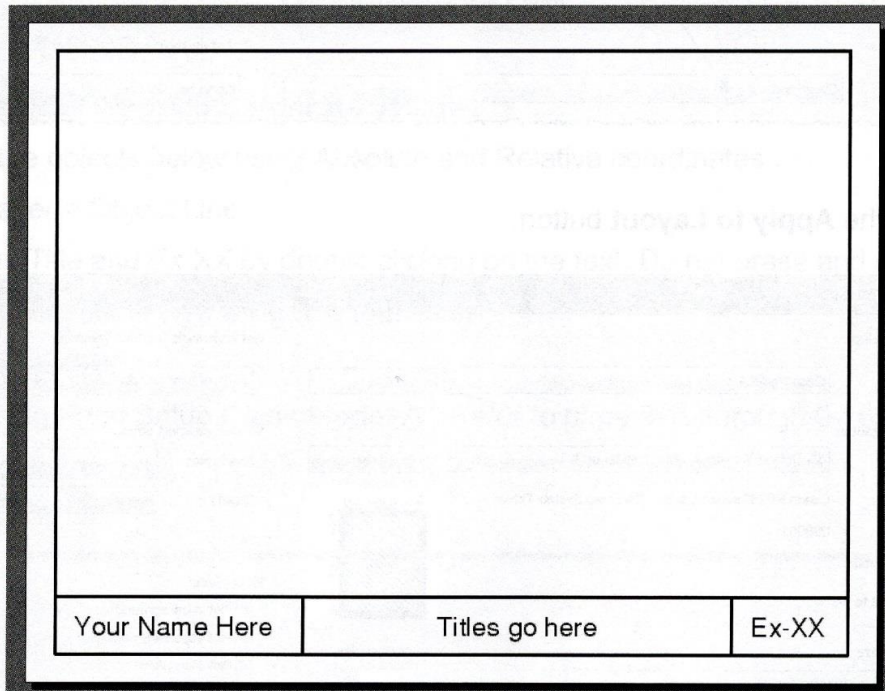
5. Select your printer from the drop down list or "Default windows system printer.pc3"
 Note: If your printer is not shown in the list you should configure your printer within AutoCAD. This is not difficult. Refer to Appendix-A for step by step instructions.
6. Select the Paper size **Letter**.
7. Select 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.

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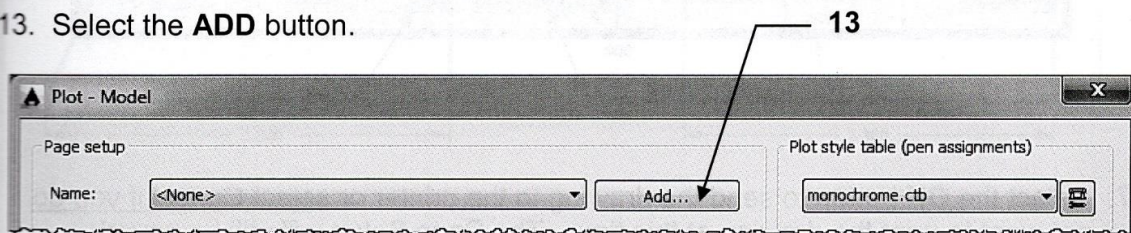
Note: If you are using a 30 day free trial or student version software, your display may appear with text around the perimeter.



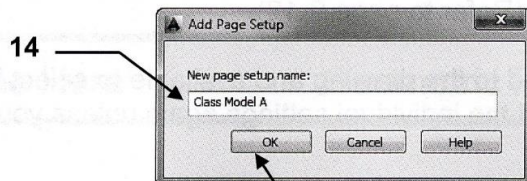
Does your display appear as shown above?
If yes, press <enter> and proceed to 13.
If not, recheck 1 through 11.

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.

13. Select the **ADD** button.



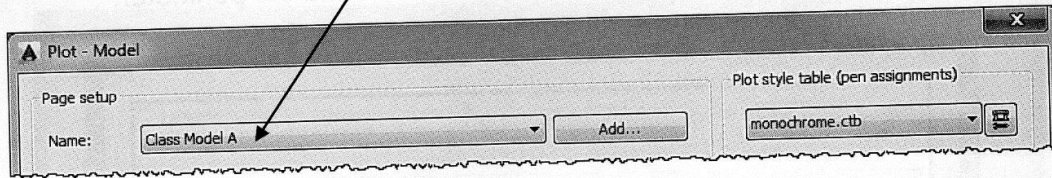
14. Type the new Page Setup name **Class Model A**



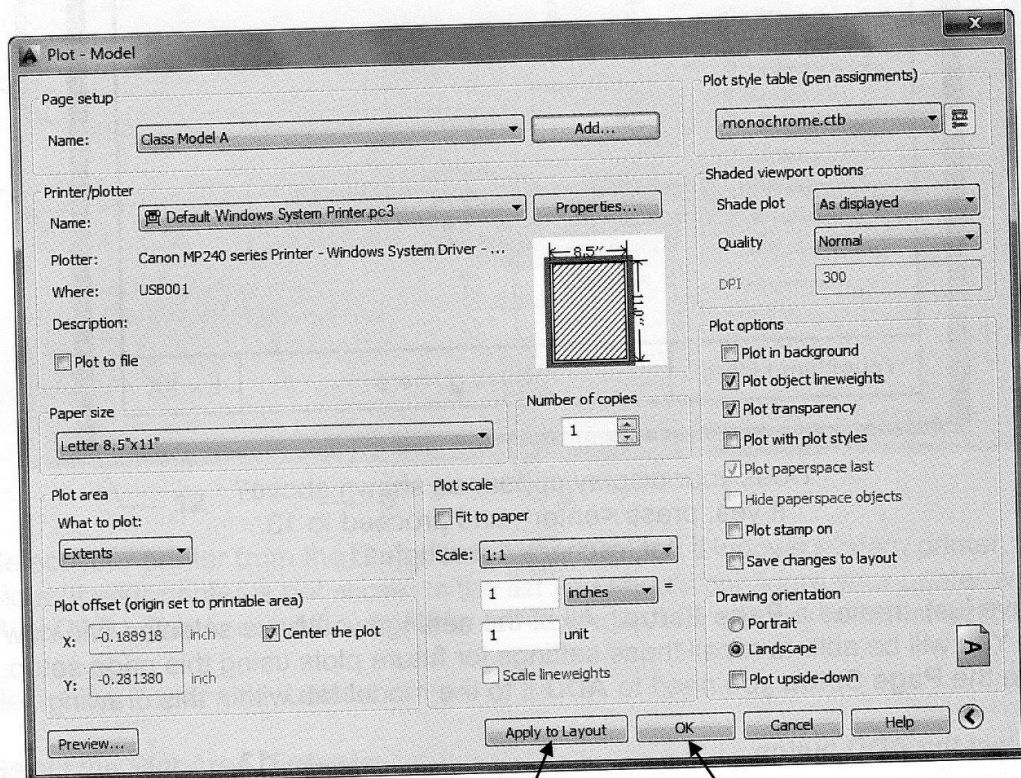
15. Select the **OK** button.

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New Page Setup name appears



16. Select the **Apply to Layout** button.



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17. Select the **OK** button to send the drawing to the printer or select Cancel if you do not want to print the drawing at this time. The Page Setup will still be saved.

18. Save the entire drawing again as a template using **Save as AutoCAD drawing template: Border A-2015.** (Refer to page 9-12)

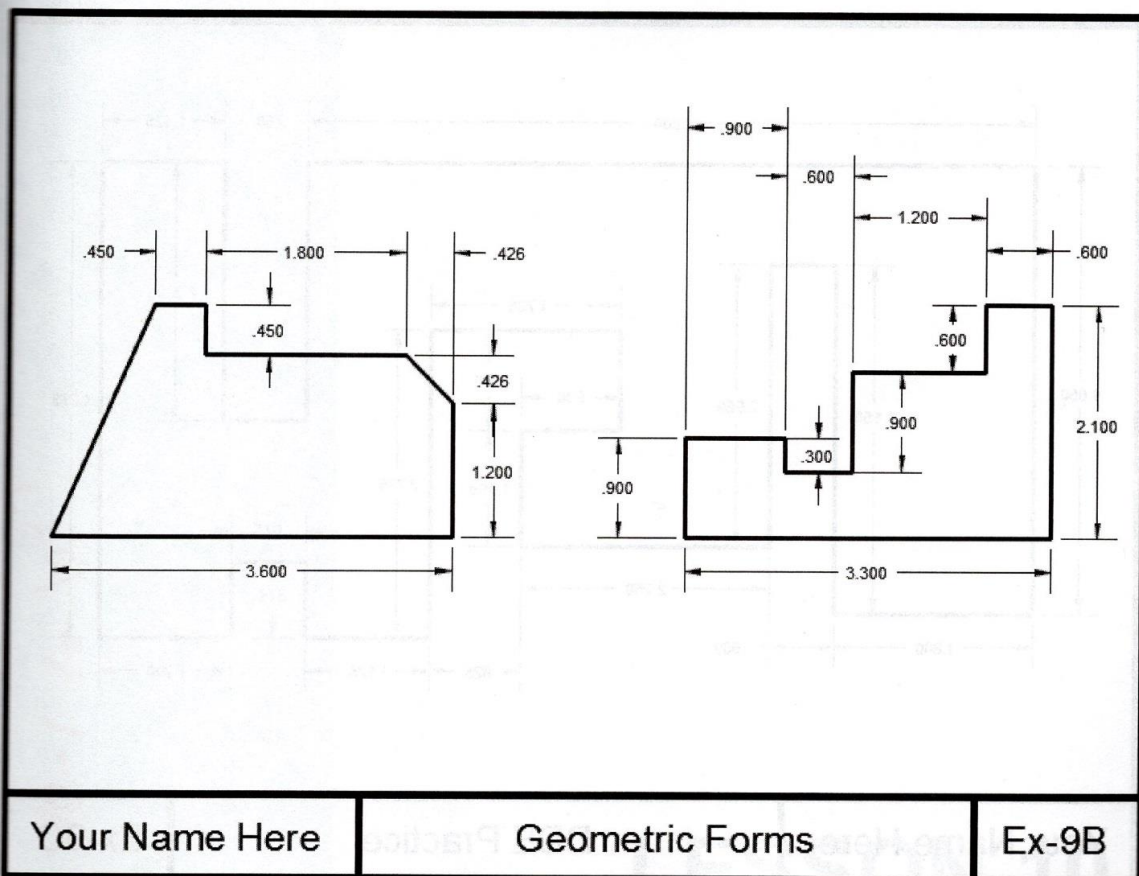
The Page Setup will be saved to the drawing and available again unless you choose to change them.

**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).

