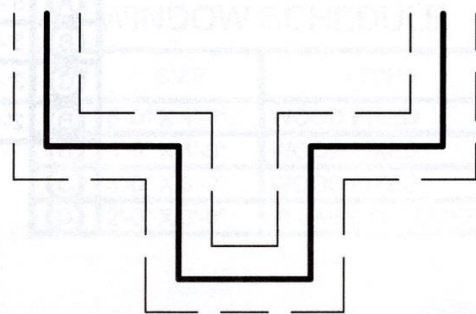
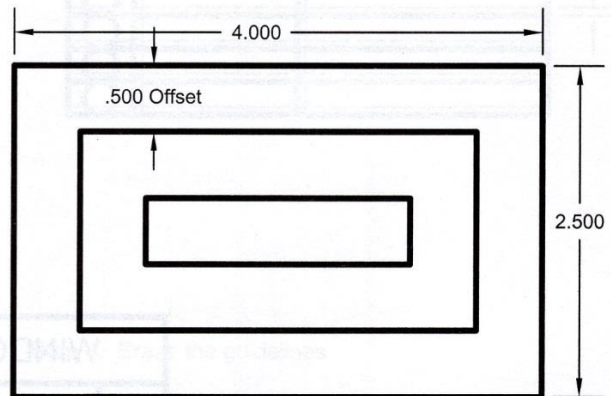
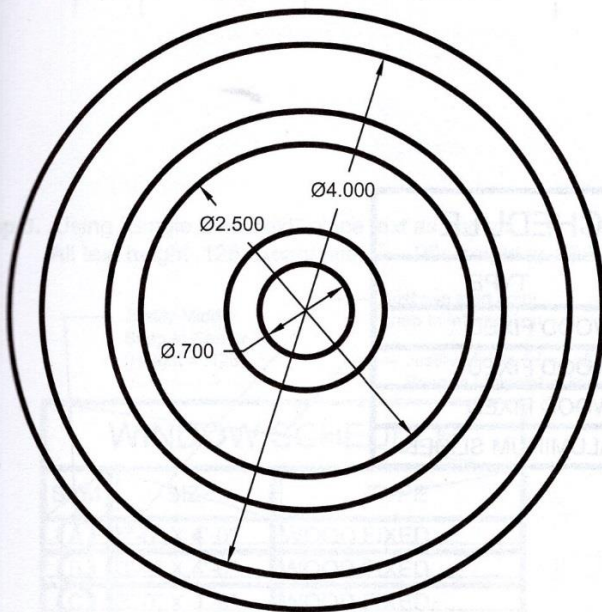


EXERCISE 12A

INSTRUCTIONS:

1. Start a **New** file using **Border A-2015.dwt**
2. Draw the Objects below using Circles, Rectangles and Lines.
3. Use the Offset command to offset the objects.
4. Use Layers = Object line and Hidden line.
5. Edit the Title and Ex-XX by double clicking on the text. Do not erase and replace.
6. Do not dimension
7. Save as **EX12A**
8. Plot using Page Setup **Class Model A**

Offset distance .250



The solid lines are on layer Object line and 1.00 in length.
 (Remember Polar Snap from Lesson 11?)
 The dashed lines are on Layer Hiddenline
 The Offset is .250. Use Trim and Extend after Offsetting.

Your Name Here

Offset Exercise

Ex-12A

EXERCISE 12B

INSTRUCTIONS:

1. Start a **New** file using **Border A-2015.dwt**
2. Follow the steps shown on the next page to draw the Window Schedule shown below.
3. Use Layers = Object line and Text.
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 **EX12B**
7. Plot using Page Setup **Class Model A**

Follow instructions on the next page.

WINDOW SCHEDULE		
SYM	SIZE	TYPE
(A)	5'-0" X 4'-0"	WOOD FIXED
(B)	3'-0" X 4'-0"	WOOD FIXED
(C)	3'-0" X 3'-0"	WOOD FIXED
(D)	2'-0" X 3'-0"	ALUMINUM SLIDER

Your Name Here

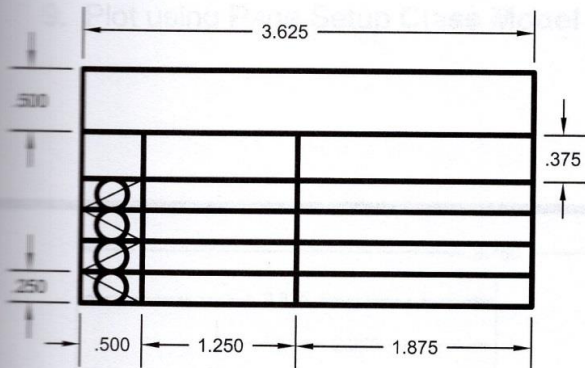
Window Schedule

Ex-12B

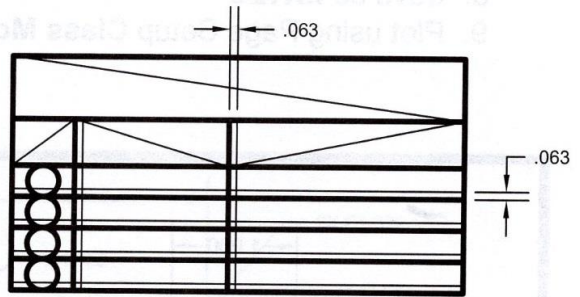
EXERCISE 12B

HELPER

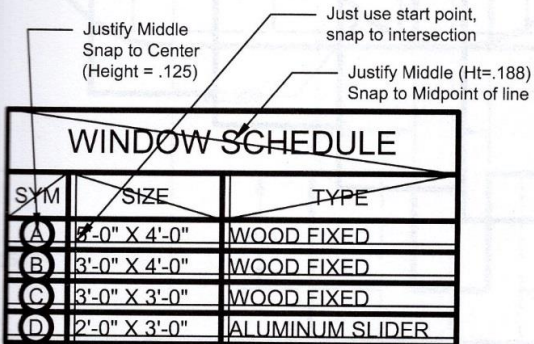
Step 1. Draw the window schedule using the offset command.



Step 2. Draw the guidelines as shown using object snap "intersection" for the diagonal lines and the offset command for the horizontal and vertical lines.



Step 3. Using "Single Line Text" place text as shown. All text height .125 except title. Title height is .188.

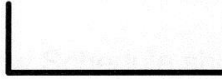



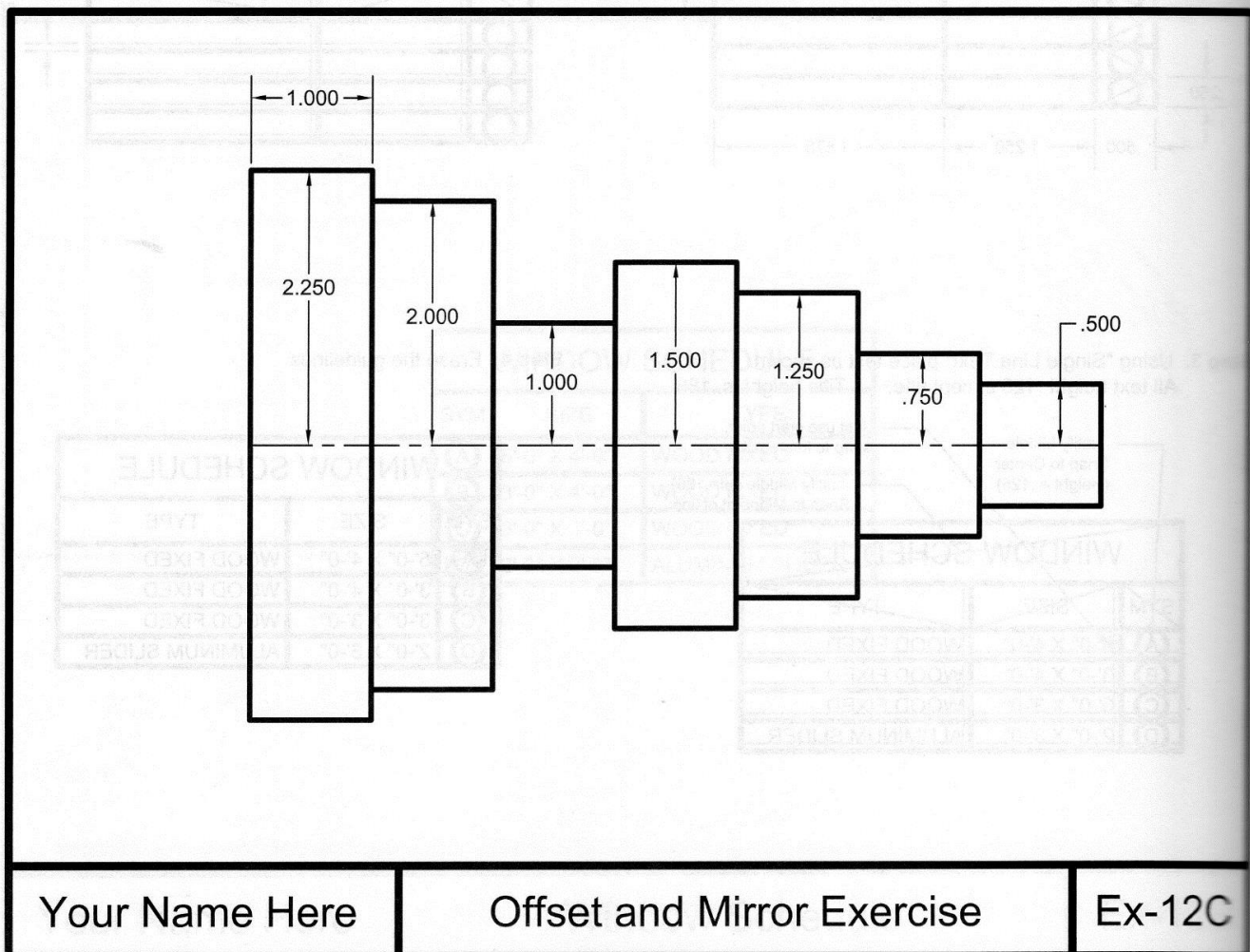
Step 4. Erase the guidelines

WINDOW SCHEDULE		
SYM	SIZE	TYPE
(A)	5'-0" X 4'-0"	WOOD FIXED
(B)	3'-0" X 4'-0"	WOOD FIXED
(C)	3'-0" X 3'-0"	WOOD FIXED
(D)	2'-0" X 3'-0"	ALUMINUM SLIDER

EXERCISE 12C

INSTRUCTIONS:

1. Start a **New** file using **Border A-2015.dwt**
2. Draw a horizontal and vertical line on Layer Object line. 
3. Draw the upper half using the Offset command. 
4. MIRROR the upper half. (Do not include the horizontal centerline)
5. Change the horizontal line to layer Center line using Properties Palette or Quick Properties.
6. Edit the Title and Ex-XX by double clicking on the text. Do not erase and replace.
7. Do not dimension
8. Save as **EX12C**
9. Plot using Page Setup **Class Model A**



Your Name Here

Offset and Mirror Exercise

Ex-12C

