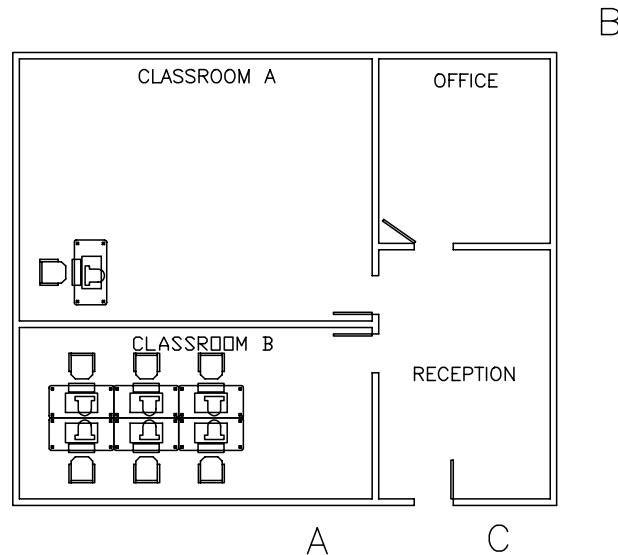


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Before you can do the exercise below you need to download the file that is referenced in the instructions. To download, **RIGHT** click on the link on the Free/ Sample page label "Download AutoCAD File". Then left click on "Save target as" and save the file on your computer in a convenient location.

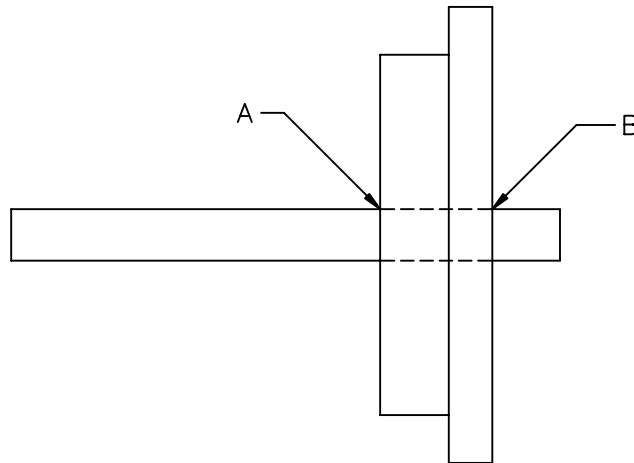
### **Practice: Stretch**



*In this practice, you will use the STRETCH command to increase the width of classrooms A and B by 4 feet, and increase the width of the office and reception area by 2 feet. Estimated time for completion: 5 minutes.*

1. Open the drawing CLASS-A.
2. Turn POLAR on.
3. Start the STRETCH command. At the "Select objects:" prompt, use a crossing window with corners at points B and A as shown above.
4. At the "Specify base point or displacement:" prompt, pick a point near the upper right corner of the office. At the "Specify second point of displacement:" prompt, pull your cursor to the right and type **4'** <enter>.
5. Start the STRETCH command again. At the "Select objects:" prompt, use a crossing window with corners at points B and C.
6. At the "Specify base point or displacement:" prompt, pick a point near the upper right corner of the office. At the "Specify second point of displacement:" prompt, pull the cursor to the right and type **2'** <enter>.
7. Save and close the drawing.

## Practice: Break at Point



*In this practice, you will use Break at Point to break lines into separate segments, and then change the linetype of the new segments. Estimated time for completion: 5 minutes.*

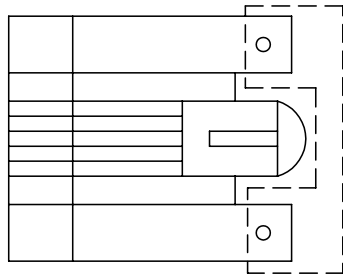
1. Open the drawing SHAFT2-M.
2. Pick the two long horizontal lines. Notice that they are single line segments. Press <esc> to deselect the lines.
3. Turn on OSNAP and set it to **Intersection**.
4. Start **Break at Point**. At the “Select object:” prompt, pick the top long horizontal line. You can accomplish the same thing by use the regular Break command and just select the first point and the second point as the same point.
5. Only do this step if you used **Break at Point** in step 4 . For the first break point, pick the Intersection labeled **A** in the illustration above.
6. Start **Break at Point** again. At the “Select object:” prompt, pick the same horizontal line near the right end.
7. For the first break point, pick the Intersection labeled **B** in the illustration above.
8. Pick the horizontal line between the vertical lines. Notice it is now a separate segment. Use the Layer drop-down list to change its layer to HIDDEN. Press <esc> to deselect the line.
9. Repeat the procedure on the lower horizontal line.

Save the drawing.

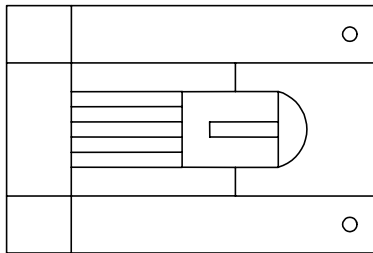
## Practice: Selecting Objects

In this practice you will use advanced techniques to select objects for several different commands. Estimated time for completion: 10 minutes.

1. Open the drawing SELECT2.
2. Start the STRETCH command. Use a **Crossing Polygon** selection to select the square tabs with yellow circles at the right (but not the red section). Stretch the tabs 3 units to the right, as shown below.



3. Start the TRIM command. Pick the blue line as the cutting edge. At the “Select object to trim:” prompt, use a **Fence** selection to trim off the yellow lines left of the blue line, as shown below.



4. Start the MOVE command. Use a **Crossing** selection to select all the red objects, and move them to another part of the drawing.
5. Start the ROTATE command. At the “Select objects:” prompt, type **P** (for Previous). Rotate the objects 90 degrees.
6. Draw a circle anywhere in the drawing.

Start the MOVE command. At the “Select objects:” prompt, type **L**. What object is selected?