

Chapter 8

STEP BLOCK

A. Create A Rectangle.

Step 1. Change to the Front View. Click the green Front View  or **ALT-6 F**. Hold down ALT and press 6. Key-in F.

Step 2. MAIN MENU.

Step 3. Create.

Step 4. Rectangle.

Step 5. 1 Point.

Step 6. Set: Width 4 and Height 2, **Fig. 1**.

Step 7. For the Placement Point, click the bottom left gray rectangle and click OK, **Fig. 1**.

Step 8. Origin.

Step 9. Use **ALT-F1** or  to fit drawing on the screen.

Step 10. MAIN MENU.

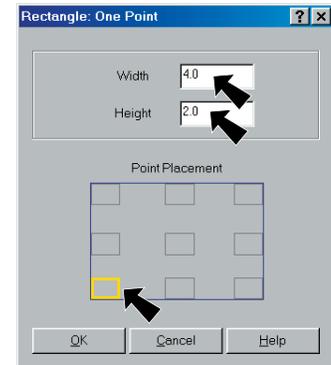
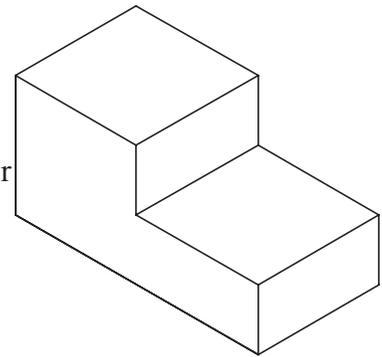


Fig. 1

B. Draw Lines In Front View.

Step 1. MAIN MENU.

Step 2. Create.

Step 3. Line.

Step 4. Endpoints.

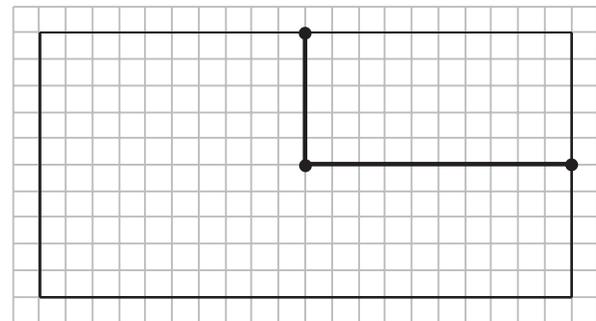


Fig. 2

Step 5. Draw the lines in **Fig. 2**. Use the grid to determine the location of the lines.

C. Save Your File.

Step 1. MAIN MENU.

Step 2. File.

Step 3. Save.

Step 4. Key-in **stepblock** for file name and press ENTER.

Fit on Screen ALT-F1	Delete F5	Repaint F3	Zoom In F1	Unzoom Page Down
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D. Trim Lines.

Step 1. MAIN MENU.

Step 2. Modify.

Step 3. Trim.

Step 4. 1 Entity.

Step 5. Trim lines to form a step. To trim part of a line, click the line at Position 1, **Fig. 3**. Then, click Position 2. Repeat at other line. That is, click the part of the line you are keeping, Position 1, then click Position 2.

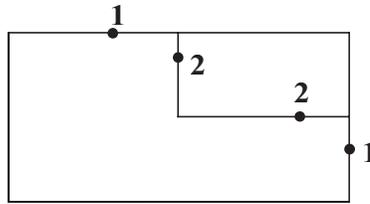


Fig. 3

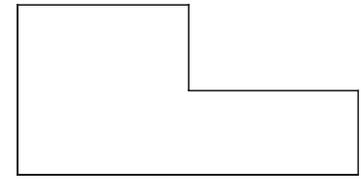


Fig. 4

E. Create The 3rd Dimension.

Step 1. Change to the Isometric View. Use the green  or **ALT-6 I**. Hold down ALT and press 6. Key-in I.

Step 2. Use **ALT-F1** or  to fit drawing on the screen.

Step 3. Xform.

Step 4. Translate.

Step 5. All.

Step 6. Entities.

Step 7. Done.

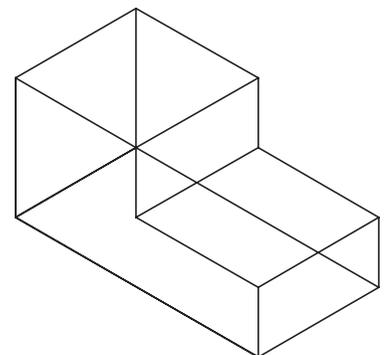
Step 8. Rectangle.

Step 9. Key-in **Y2** and press ENTER.

Step 10. Click **Join** and OK.

Step 11. Use **ALT-F1** to fit drawing on the screen.

Step 12. Click the Clear Screen Colors Tool  in the top tool bar.



F. Check Out Other Views.

Step 1. Take a look at the other views. Use **ALT-6 F** or green  for Front View.

Try Dynamic View. **ALT-6 D** or . Click the display, then move the cursor.

G. Delete Hidden Lines.

Step 1. Change back to the Isometric View. Use green  or **ALT-6 I**. Hold down ALT and press 6. Key-in I.

Step 2. Delete the hidden lines. Use **F5** to delete. Press **F5** and click the 3 lines that are hidden, **Fig. 5**. Press ESC to exit delete.

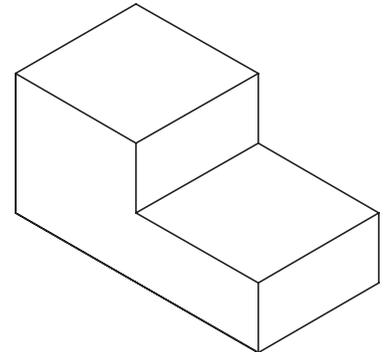


Fig. 5

H. Set Construction Plane To Graphic View.

Step 1. Change to the Isometric View. Use green  or **ALT-6 I**. Hold down ALT and press 6. Key in I.

Step 2. Click Cplane in the Secondary Menu.

Step 3. Next Menu.

Step 4. =Gview.

I. Add Your Name and Period To Drawing.

Step 1. Use **Page Down** to reduce the drawing. Use: **Create, Drafting, Note** commands to add your names and period to the drawing.

Step 3. Save your drawing. Use **Alt-A** and press ENTER.