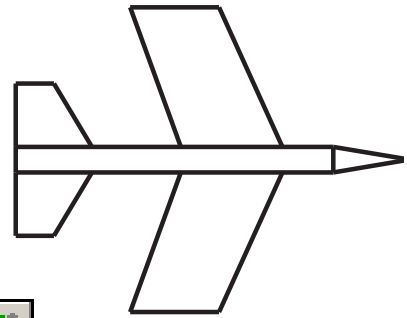


Glider

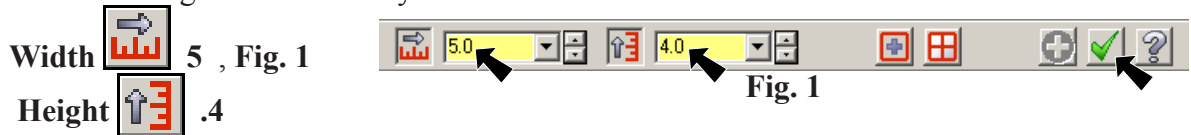


A. Create Rectangle.

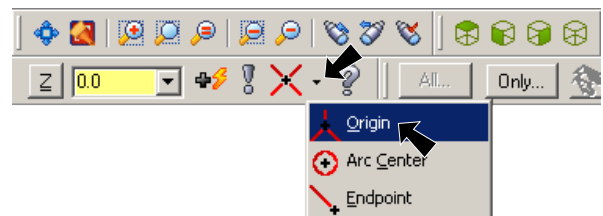
Step 1. If necessary start a new Mastercam file, click File Menu > New .

Step 2. Click Create Menu > Rectangle. Or click Rectangle Tool  in the toolbar.

Step 3. In the Rectangle ribbon bar key-in:



Step 4. Click the down arrow in Auto Cursor ribbon bar and click Origin  to place rectangle, Fig. 2.



Step 5. Click OK  in ribbon bar to fix entity and close ribbon bar, Fig. 1.



Fig. 3

Step 6. Click Fit  (Alt-F1) to fit rectangle to screen, Fig. 3.



Fig. 4

B. Change Color.

Step 1. Draw the next lines yellow. Click the color swatch in the Status Bar at bottom of screen, Fig. 4. Click yellow, number 14, Fig. 5 and click OK .

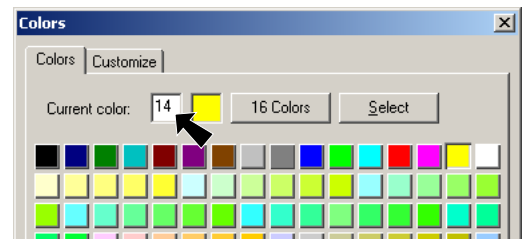


Fig. 5

C. Set Grid and Snap .2.

Step 1. Use Alt-G to display Grid dialog box, Fig. 6

- Check Active grid
- Check Visible grid
- Set X and Y Spacing .2
- Click OK .

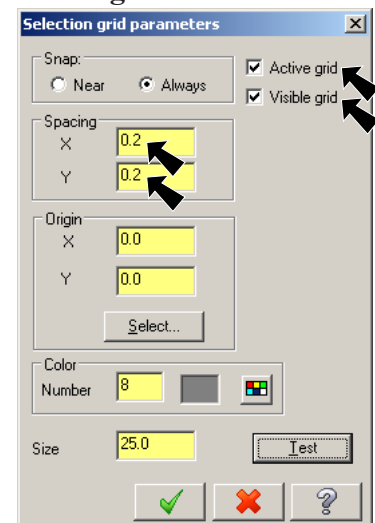


Fig. 6

D. Draw Wings.

Step 1. Click Create Menu > Line > Endpoint. Or click Line Tool  in the toolbar.

Step 2. Draw lines in **Fig. 7**. Use grid to determine location of lines.

Use Page Down key to zoom out to make room for lines.

If an error is made, unselect Line Tool, click to select line to delete and press **Delete** key on your keyboard.

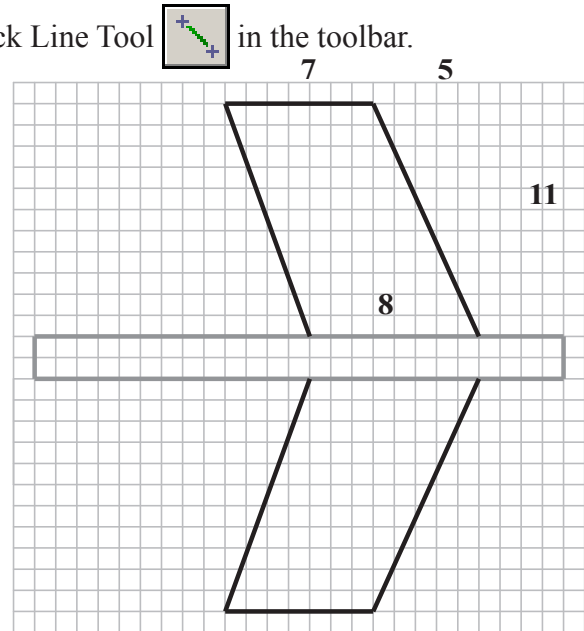


Fig. 7

E. Save As "GLIDER".

Step 1. Click File Menu > Save As.

Step 2. Key-in **GLIDER** for filename and press ENTER.

F. Draw Horizontal Stabilizers.

Step 1. Draw the horizontal stabilizers **green**. Click the color swatch in the Status Bar at the bottom of screen. Click **green, number 10** and click OK .

Step 2. Click Create Menu > Line > Endpoint. Or click Line Tool  in the toolbar.

Step 3. Draw lines in **Fig. 8**.

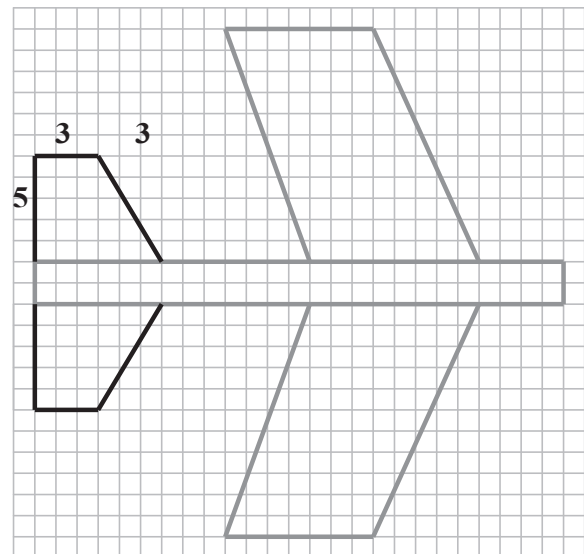


Fig. 8

G. Create Rectangle For Side View.

Step 1. Use **Page Down** key to zoom out to see the rectangle as it is drawn.

Step 2. Set the color back to **cyan**. Use **Alt-X**, then click a cyan color line on your drawing to change to cyan. Click the line again to unselect it.

Step 3. Click Create Menu > Rectangle. Or click the Rectangle Tool  in the toolbar.



Fig. 9

Step 4. In the Rectangle ribbon bar key-in:

Width  5 Fig. 9
Height  .4

Step 5. In Auto Cursor ribbon bar set, **Fig. 12**

X 0
Y -3.8
Z 0

Step 6. Click OK  to fix entity and close ribbon bar.

Step 7. Click Fit  (**Alt-F1**) to fit drawing to screen.

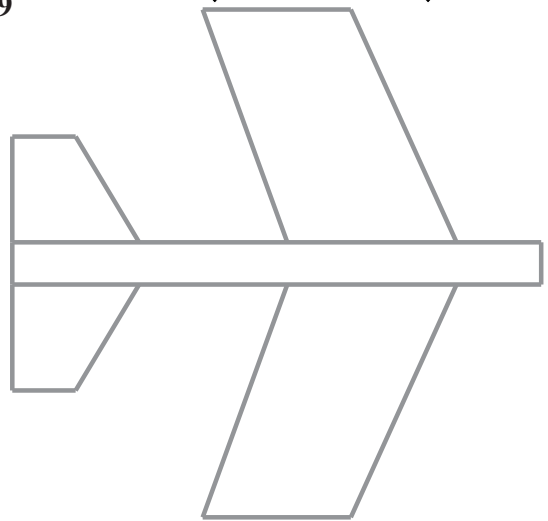


Fig. 10

H. Draw Vertical Stabilizer and Cockpit.

Step 1. Draw the **vertical stabilizer and cockpit red**. Click the color swatch in the Status Bar at the bottom of the screen. Click **red, number 12** and click OK .

Step 2. Click Create Menu > Line > Endpoint. Or click the Line Tool  in the toolbar.

Step 3. Draw the lines in **Fig. 9**.

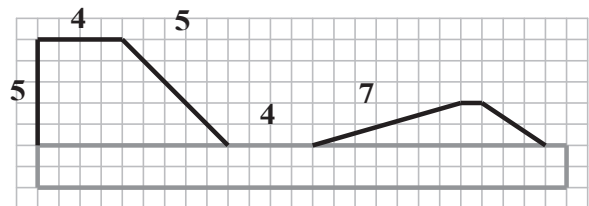


Fig. 11

I. Draw Nose in Both Views.

- Step 1. Set color back to **cyan or your default color** (color you started drawing with). Use **Alt-X**, then click a cyan color line on your drawing to change to cyan.
- Step 2. Click Create Menu > Line > Endpoint. Or click the Line Tool  in the toolbar.
- Step 3. Draw the lines in **Fig. 10**.

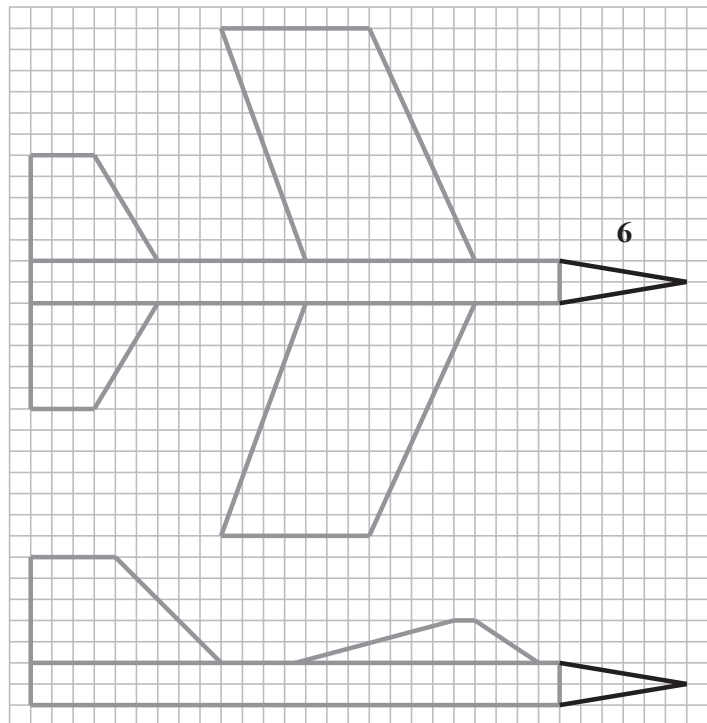
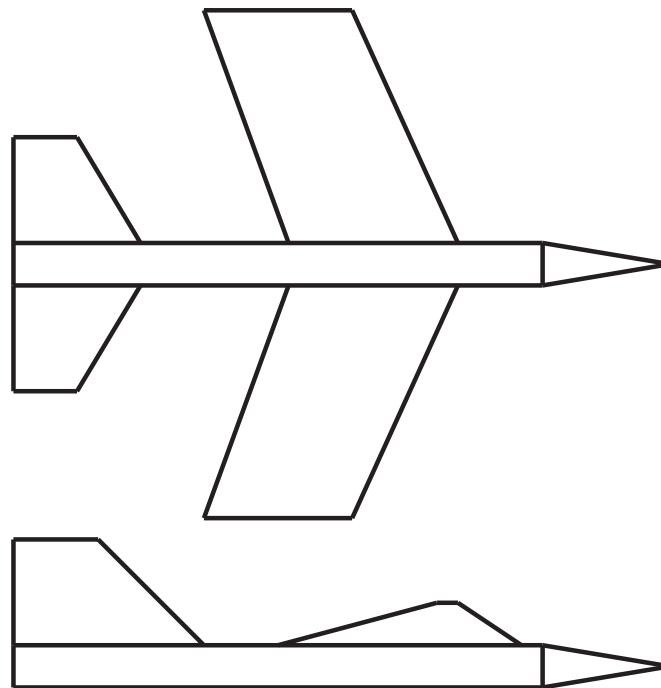


Fig. 12

J. Add Your Name and Period To Drawing.

- Step 1. Click Create Menu > Drafting > Note.
- Step 2. Lock the Caps, key-in: DRAWN BY: FIRST AND LAST NAME AND FIRST AND LAST NAME AND PERIOD 1 (or whatever your period is).
- Step 3. Click OK .
- Step 4. Use **Page Down** key to reduce drawing.
- Step 5. Center text at bottom of drawing and click, **Fig. 11**.
- Step 6. Save  (Alt-F S).



DRAWN BY: MR. HALEY PERIOD 1

Fig. 13