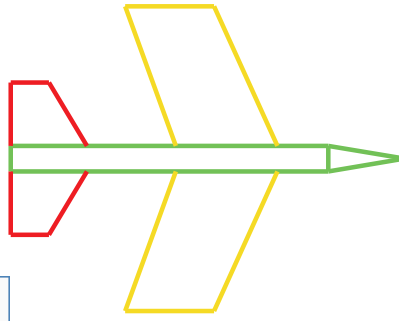
Glider



A. Create Rectangle.

Step 1. If necessary start a new Mastercam file, click **New** on the Quick Access Toolbar QAT (**Ctrl-N**).

Step 2. On the Wireframe tab WIREFRAME click **Rectangle** Rectangle.

Step 3. In the Rectangle function panel:
under Dimensions, **Fig. 1**
Width 5
Height .4
Click the down arrow of AutoCursor on the Selection Bar and select **Origin** from menu, **Fig 2**.
Click OK .

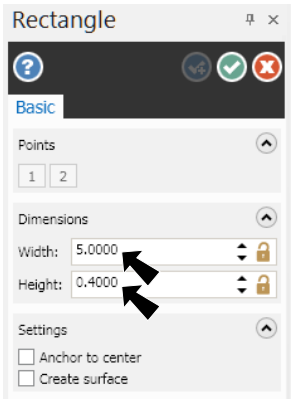


Fig. 1

Step 4. **Right click** the graphics window and click **Fit** (**Alt-F1**).

Fig. 2

Fig. 3

B. Save As "GLIDER"

Step 1. Click **Save As** (**Ctrl-Shift-S**) on the Quick Access Toolbar QAT.

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

C. Change Color.

Step 1. Sketch the wings **yellow**. **Right click** in the graphics window and on the Mini Toolbar click **Wireframe Color** drop down arrow, then click **yellow**, **Fig. 4**.

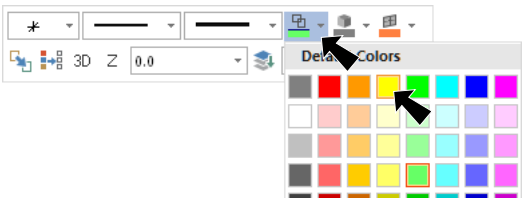


Fig. 4

http://www.cudacountry.net email:cudacountry@hotmail.com

D. Set Grid and Snap .2.

Step 1. On the View tab VIEW click **Show Grid** Show Grid and **Snap to Grid** Snap to Grid.

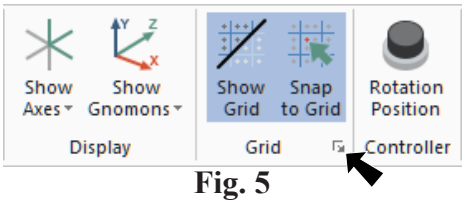


Fig. 5

Step 2. Click the **Dialog Box Launcher** (Alt-G), **Fig. 5**.

Step 3. In the Grid Settings dialog box:
under Spacing, **Fig. 6**
X and Y Spacing .2
Click OK.

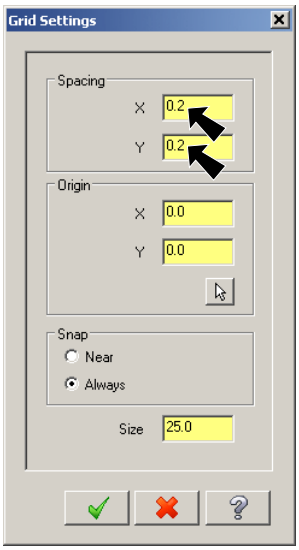


Fig. 6

E. Sketch Wings.

Step 1. On the Wireframe tab WIREFRAME click **Line Endpoints** Line Endpoints.

Step 2. Sketch the wings, **Fig. 8**. Use grid to determine location of endpoints.
When done click **OK and Create New Operation**.

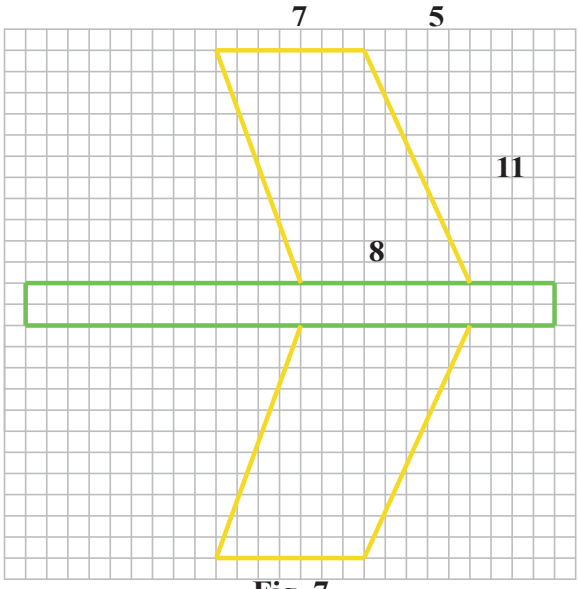


Fig. 7

F. Sketch Horizontal Stabilizers.

Step 1. Sketch the horizontal stabilizers **cyan**. **Right click** in the graphics window and on the Mini Toolbar click **Wireframe Color** drop down arrow, then click **cyan**, **Fig. 4**.

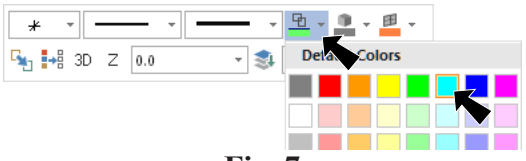


Fig. 7

Step 2. With **Line Endpoints** Line Endpoints sketch lines in **Fig. 8**.

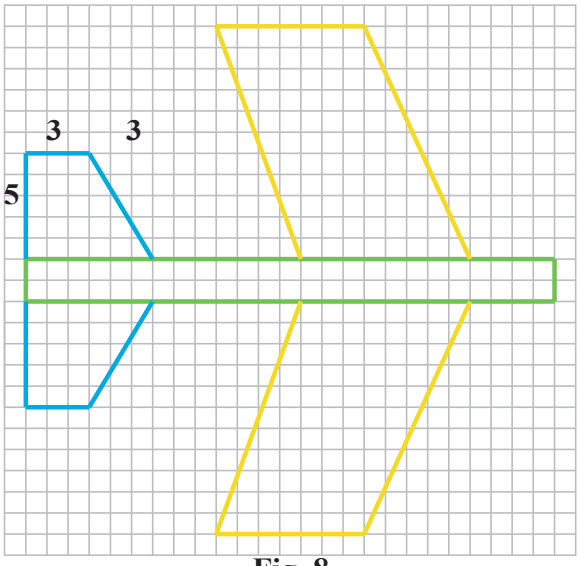


Fig. 8

G. Create Rectangle For Side View.

Step 1. On the Wireframe tab WIREFRAME click **Rectangle** Rectangle.

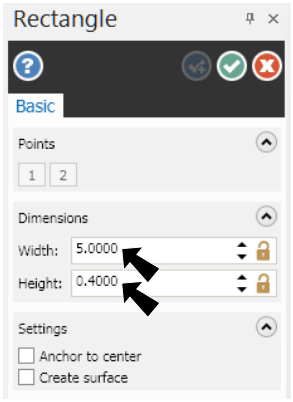


Fig. 9

Step 2. In the Rectangle function panel:
under Dimensions, **Fig. 9**
Width 5
Height .4

Click AutoCursor **Fast Point** on the Selection Bar, **Fig 10**
Key-in **0**, **-3.8** 0,-3.8 and press ENTER
Click OK.

Fig. 10

Step 3. **Right click** the graphics window and click **Fit** **(Alt-F1)**.

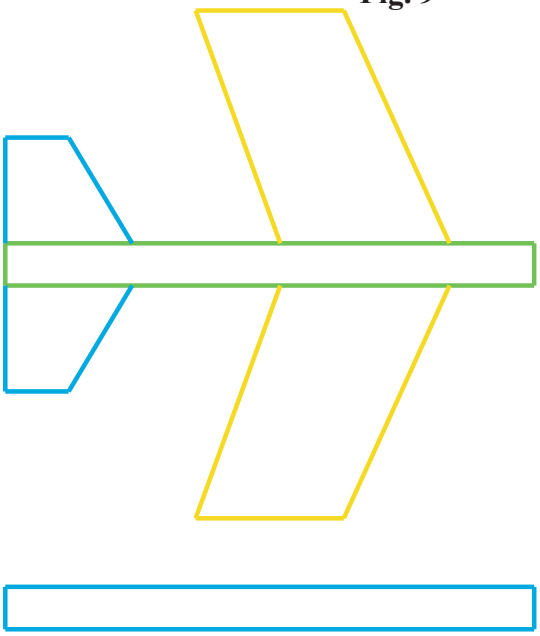


Fig. 11

H. Sketch Vertical Stabilizer and Cockpit.

Step 1. Sketch the **vertical stabilizer and cockpit red**. **Right click** in the graphics window and on the Mini Toolbar click **Wireframe Color** drop down arrow, then click **red**, **Fig. 12**.

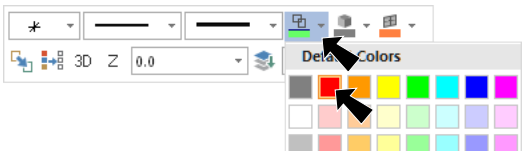


Fig. 12

Step 2. On the Wireframe tab WIREFRAME click **Line Endpoints** Line Endpoints.

Step 3. Sketch the lines in **Fig. 13**. When done click **OK and Create New Operation**.

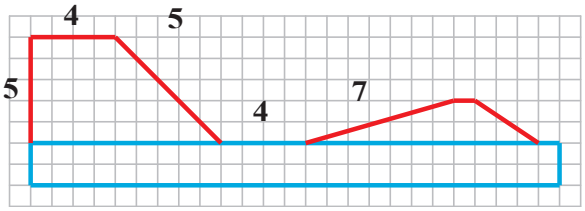
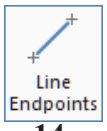


Fig. 13

I. Sketch Nose in Both Views.

Step 1. Set color back to **green (default color)**. Use **Alt-X**, then click a green color line on your sketching to change to green.

Step 2. With **Line Endpoints** 

sketch nose lines in **Fig. 14**.

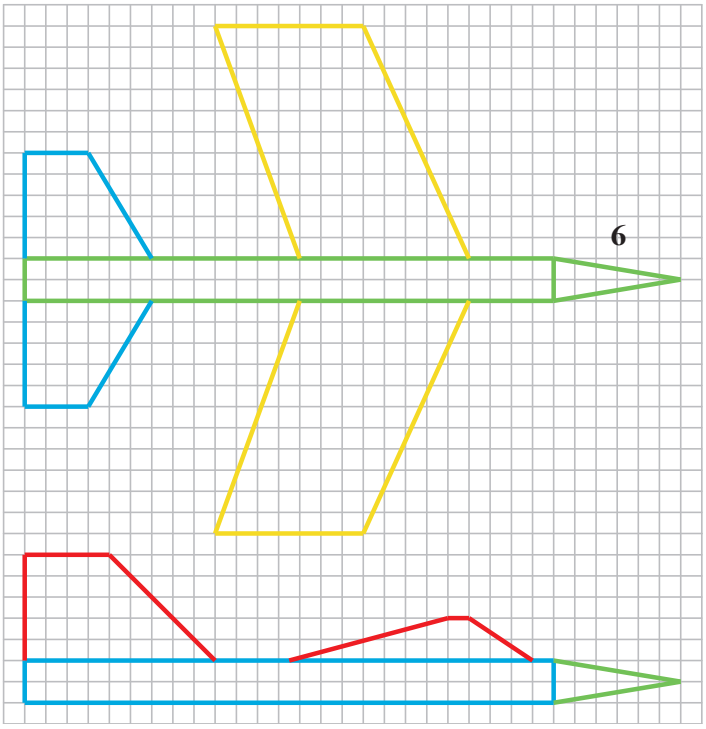


Fig. 14

J. Change Fuselage to Green.

Step 1. Drag a selection around the fuselage in the side view to select lines, **Fig. 15**.

Step 2. **Right click** in the graphics window and on the Mini Toolbar click **Wireframe Color**  , **Fig. 16**.

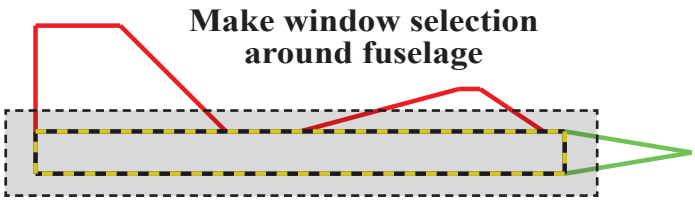


Fig. 15

Fig. 16

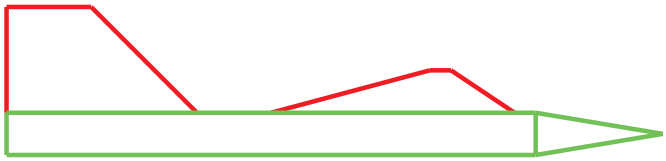
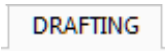
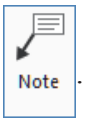


Fig. 17

K. Add Your Name and Period To Drawing.

Step 1. On the Drafting tab 

click **Note** 

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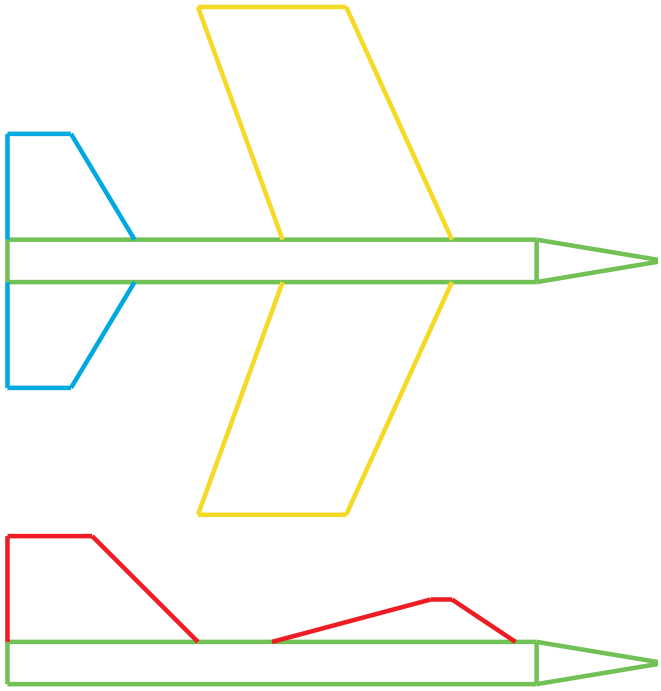
Step 2. Lock the Caps, key-in: DRAWN BY: FIRST AND LAST NAME AND FIRST AND LAST NAME AND PERIOD 1 (or whatever your period is) and click OK.

Step 3. Use **Page Down** key to zoom out. Center text at bottom of drawing and click, **Fig. 18**.

Step 4. Save  (**Ctrl-S**).



DRAWN BY: MR. HALEY PERIOD 1

Fig. 18