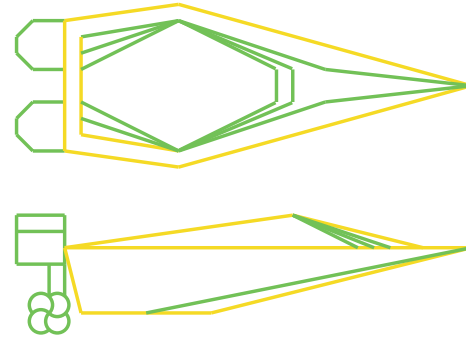


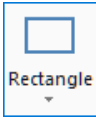
Speed Boat



A. Create Rectangle.

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

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



Step 3. In the Rectangle function panel:
under Dimensions, **Fig. 1**

Width 5
Height 1.2

Click the down arrow of Auto Cursor on the Selection Bar and select **Origin** from menu, **Fig 2**.

Click OK .

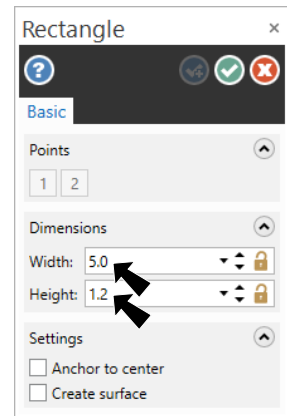


Fig. 1

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



Fig. 2

B. Save As "SPEED BOAT"

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

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



Fig. 3

C. Change Color.

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

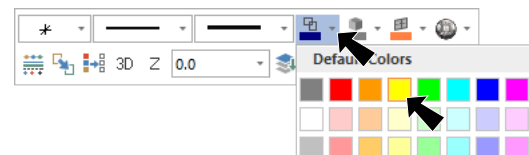


Fig. 4

D. Set Grid and Snap .2.

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



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 .

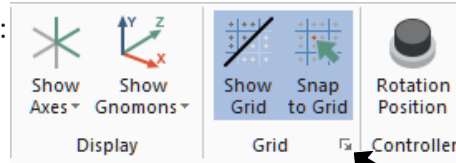


Fig. 5

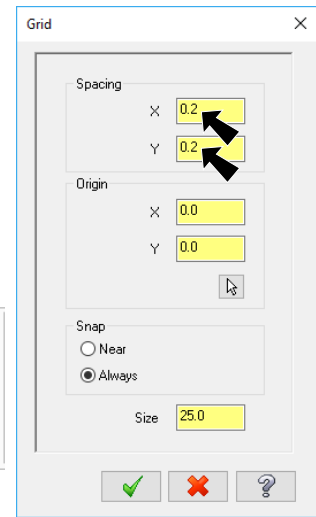
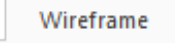
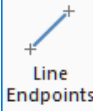


Fig. 6

E. Sketch Lines In Side View.

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

Step 2. Sketch the lines in **Fig. 7**. Use grid to determine location of endpoints.

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

Click OK  when done.

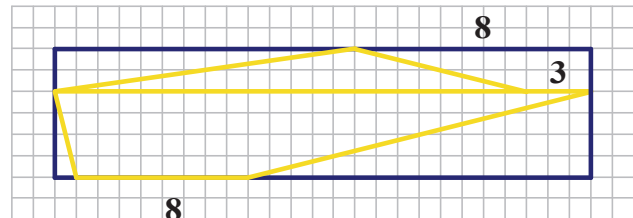


Fig. 7

F. Create Rectangle For Top View.


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

Step 2. In the Rectangle function panel:
under Dimensions, **Fig. 8**

Width 5

Height 2

Click **AutoCursor Fast Point**  on the Selection Bar, **Fig. 9**.

Key-in **0, 1.8**  and press ENTER

Click OK .

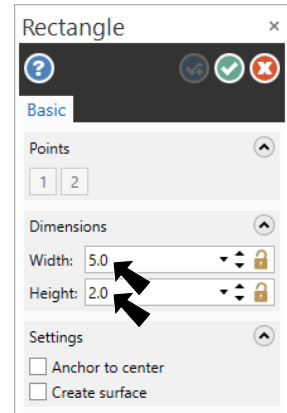


Fig. 8



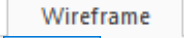
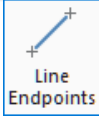

Fig. 9

Step 3. **Right click** the graphics window and click **Fit**



Fig. 10

G. Sketch Lines In Top View.

- Step 1. On the Wireframe tab  click **Line Endpoints** .
- Step 2. Sketch the lines in **Fig. 11**. Use grid to determine location of endpoints. Click **OK and Create New Operation** .

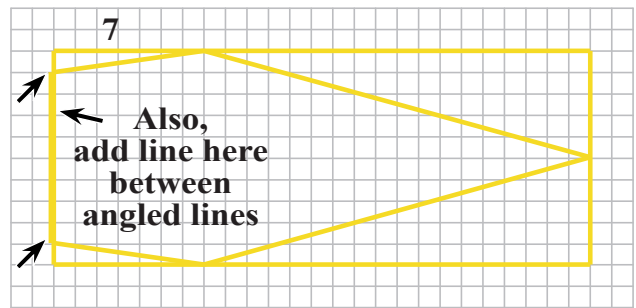



Fig. 11

H. Sketch Detail Lines.

- Step 1. Sketch the next lines **green**. **Right click** in the graphics window and on the Mini Toolbar click **Wireframe Color**  drop down arrow, then click **green**, **Fig. 12**.

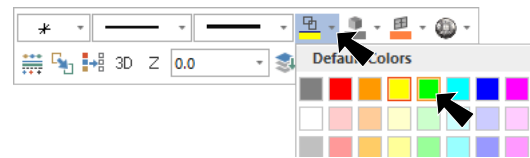
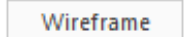
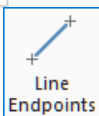




Fig. 12

- Step 2. On the Wireframe tab  click **Line Endpoints** .
- Step 3. Sketch lines in **Fig. 13**. Click **OK**  when done.
- Step 4. Save  (**Ctrl-S**).

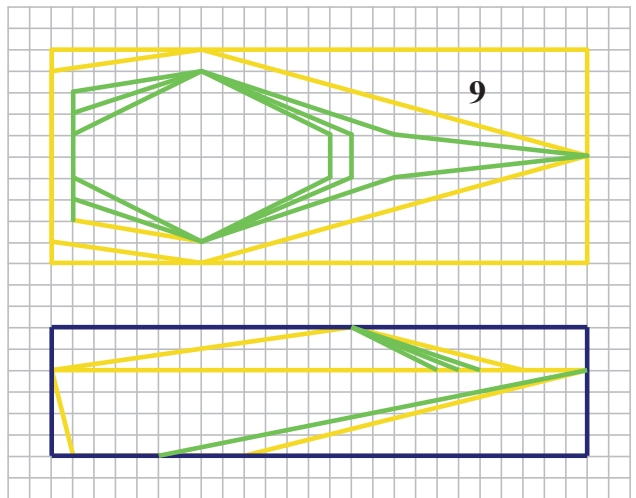


Fig. 13

I. Delete Rectangle Lines.

- Step 1. The 8 lines of rectangles are no longer needed. To Delete, click the 8 lines that make up rectangles and press **Delete** key, **Fig. 14**.

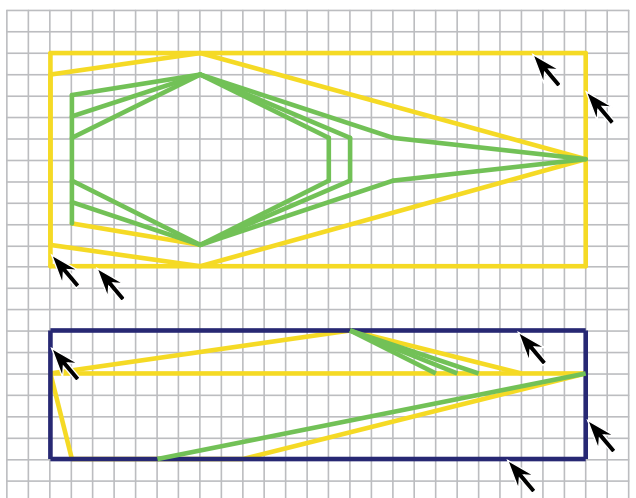

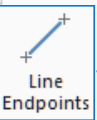


Fig. 14

J. Sketch Outboard Motors.

Step 1. Use the **Arrow Left** key 3 or 4 times to pan to make room for the motors.

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

Step 3. Sketch lines in **Fig. 15**.

Step 4. Save  (Ctrl-S).

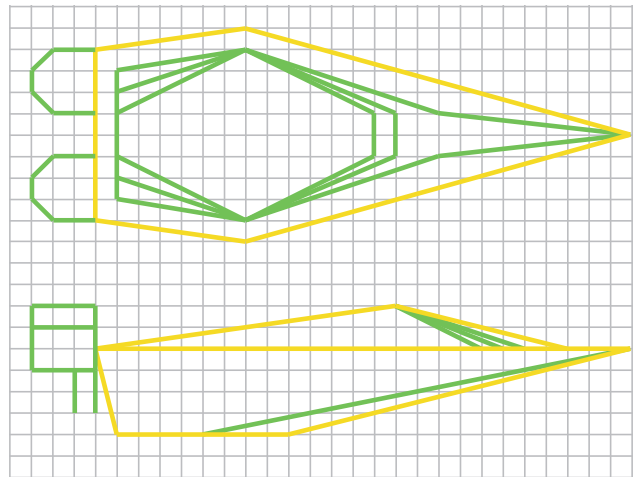

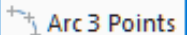


Fig. 15

K. Sketch Propeller.

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

Step 2. Click the 3 points to sketch one blade of the propeller, **Fig. 16**. Click points in **Fig. 17** to sketch another blade. Sketch the other 2 blades, **Fig. 18**.

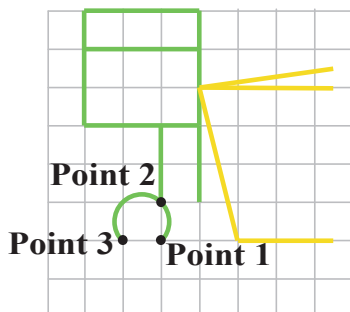


Fig. 16

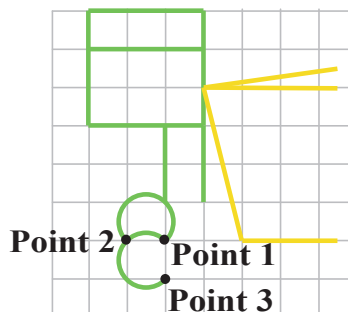


Fig. 17

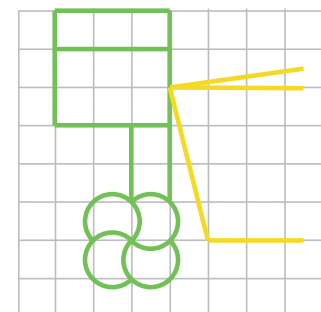


Fig. 18

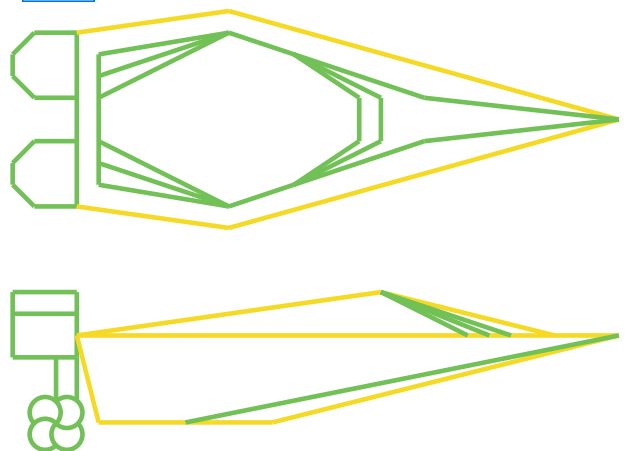
J. Add Your Name and Period To Drawing.

Step 1. On the Drafting tab  click **Note** .

Step 2. Lock the Caps, key-in: DRAWN BY:
FIRST 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. 19**.

Step 4. Save  (Ctrl-S).



DRAWN BY: MR. HALEY PERIOD 1

Fig. 19