

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


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

Width 3.8

Height 2

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

Click OK .

Step 4. **Right**
click the
graphics
window

and click **Fit**  (Alt-F1).



Fig. 2

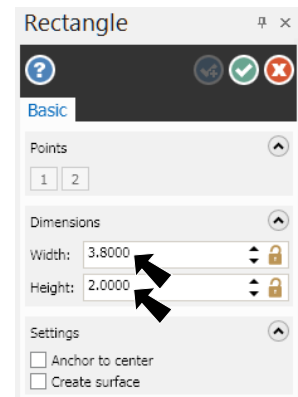


Fig. 1

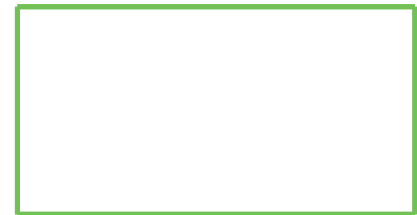


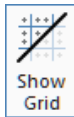
Fig. 3

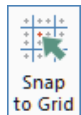
B. Save As "TRUCK"

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

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

C. Set Grid and Snap .2.

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

Grid


Step 2. Click the **Dialog Box**
Launcher  (Alt-G), **Fig. 4**.

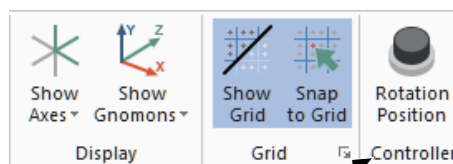


Fig. 4

Step 3. In the Grid Settings dialog box:
under Spacing, **Fig. 5**

X and Y Spacing .2

Click OK .

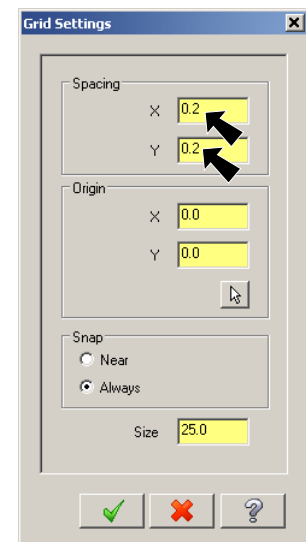
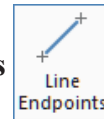


Fig. 5

D. Draw Lines In Side View.

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



Step 2. Sketch the lines in **Fig. 6**.
Use grid to determine location of endpoints.
Use Page Down key to zoom out to make room for lines.
Use Arrow keys to pan. If an error is made, press **F5** key to delete, select line to delete and press **ENTER**.
Click OK  when done.

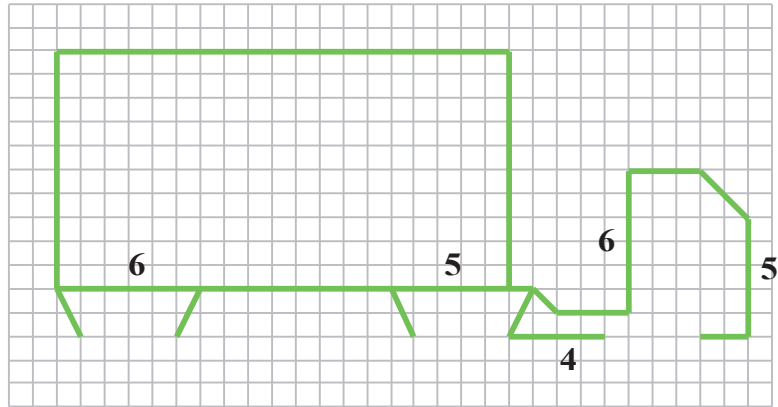


Fig. 6

E. Change Color.

Step 1. **Right click** the graphics window and click **Fit**  (**Alt-F1**).

Step 2. Sketch the wheels **light gray**. **Right click** in the graphics window and on the Mini Toolbar click **Wireframe Color**  drop down arrow, then click **light gray**, Fig. 7.

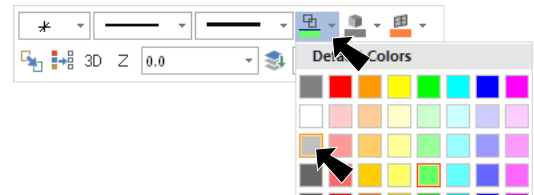
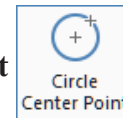


Fig. 7

F. Wheels.

Step 1. On the Wireframe tab **WIREFRAME** click **Circle Center Point**



Step 2. In the Circle Center Point function panel:
under Size, **Fig. 8**
Diameter .9
Click **Locked** 
Click the center points in graphic window, **Fig. 9**.
Click **OK and Create New Operation** .

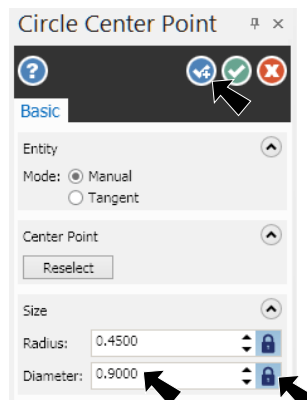


Fig. 8

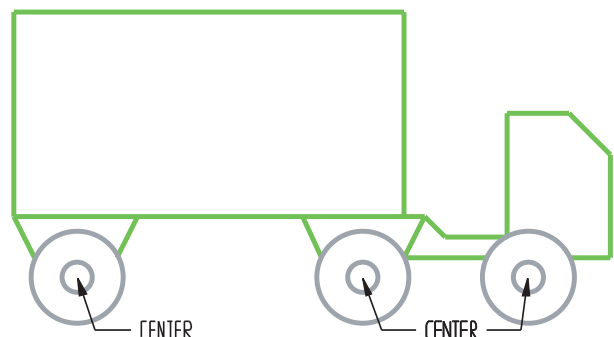


Fig. 9

G. Axles.

- Step 1. In the Circle Center Point function panel:
under Dimensions, **Fig. 10**
Diameter .3 and press ENTER
Click the center points, **Fig. 9**.
Click OK .

- Step 2. Save 
(Ctrl-S).

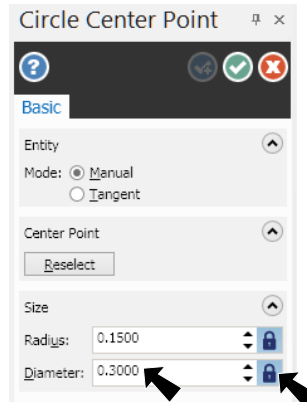


Fig. 10

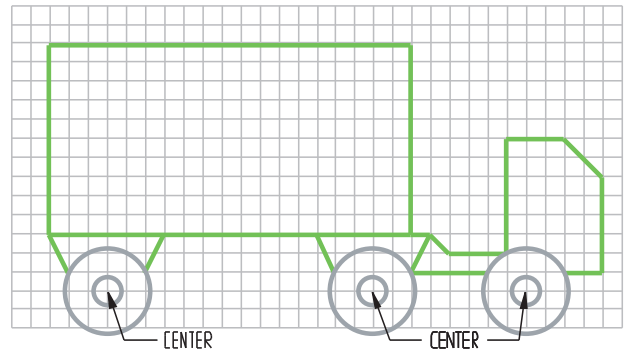
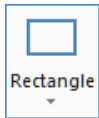


Fig. 11

H. Create Rectangle For Top View.

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

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

- Step 3. In the Rectangle function panel:
under Dimensions, **Fig. 12**
Width 3.8
Height 1.8 and press ENTER

Click AutoCursor **Fast Point**  on
the Selection Bar, **Fig. 13**
Key-in **0, 2.4**  and press
ENTER **twice**
Click OK .

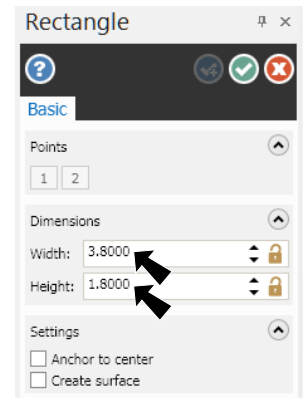


Fig. 12



Fig. 13

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

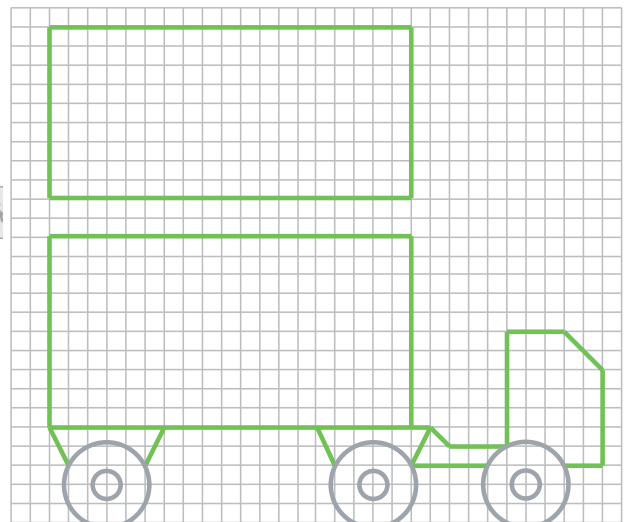
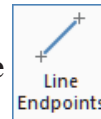


Fig. 14

I. Draw Lines In Top View.

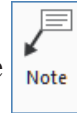
Step 1. On the Wireframe tab **WIREFRAME** click **Rectangle**



Step 2. Sketch the lines in **Fig. 15**. Use grid and side view to determine location of endpoints.
Click OK  when done.

J. Add Your Name and Period.

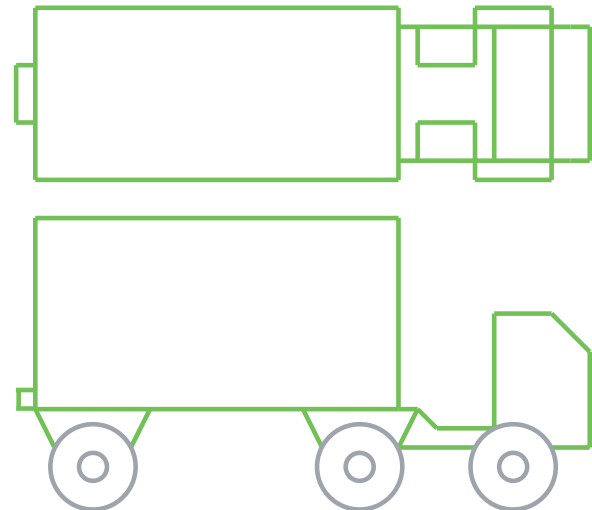
Step 1. On the Drafting tab **DRAFTING** click **Note**



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) and click OK .

Step 3. Use **Page Down** key to zoom out. Center text at bottom of drawing and click, **Fig. 15**.

Step 4. Save  (Ctrl-S).



DRAWN BY: MR. HALEY PERIOD 1

Fig. 15