

Chapter 1

TRUCK

A. OPEN B FILE.

Step 1. When you start a new drawing always start with the B file (blank file). If you started this drawing the B file go directly to Steps B. If you did not start as the B file complete these Steps:

Step 2. Click the **File** from the Menu Bar.

Step 3. Click **Open** from the File Menu..

Step 4. Click **No** to save current part.

Step 5. Key in **a:b** for the filename and press ENTER.



B. CREATE A RECTANGLE.

Step 1. ESC to Main Menu.

Step 2. F1 CREATE.

Step 3. F1 LINE.

Step 4. F7 RECTANGLE.

Step 5. F2 WIDTH/HEIGHT.

Step 6. Key in **3.8** for the width and press ENTER.

Step 7. Key in **2** for the height and press ENTER.

Step 8. F9 KEY IN.

Step 9. Key in:
Zero (0) for coordinate X and press ENTER.
0 for Y and press ENTER.
0 for Z and press ENTER.

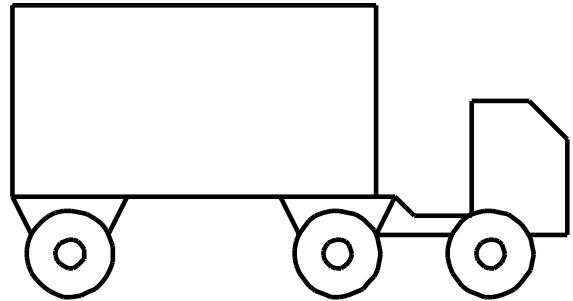


FIG. 1

Step 10. Use **ALT-A** to center the rectangle on the screen. Hold down ALT and press A.

Step 11. ESC to Main Menu.

Fit on Screen ALT-A

Delete CTRL-Q

Redraw CTRL-R

Half Size ALT-H

C. DRAW LINES IN SIDE VIEW.

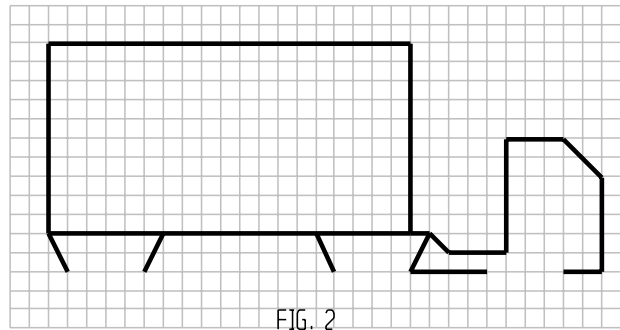
Step 1. Use **Alt-H** to reduce the drawing half size.
Hold down ALT and press H.

Step 2. ESC to Main Menu.

Step 3. F1 CREATE.

Step 4. F1 LINE.

Step 5. F1 ENDPOINTS.



Step 6. Draw the lines in **Fig. 2**. Use the grid to determine the location of the lines.

If an error is made use **CTRL-Q** to delete the line. Hold down CTRL and press Q. Move the cursor over the incorrect line, select with a click and press ENTER.

D. SAVE TO DISK.

Step 1. At this point it is a good idea to save the drawing. Place a disk in Drive A.

Step 2. Click the **File** Menu from the Menu Bar.

Step 3. Click **Save As** from the File Menu.

Step 4. Key in **a:truck** for the filename and press ENTER.

Step 5. Press **ESC** for Part Description.

E. WHEELS.

Step 1. Draw the wheels **gray**. Change the color to gray. Click the color swatch in the side Tool Bar. Click gray, number 14.

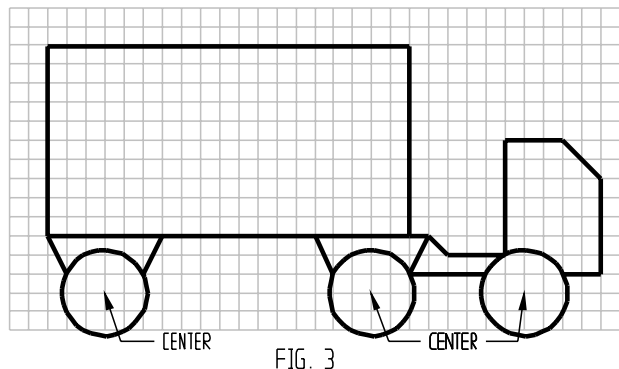
Step 2. ESC to Main Menu.

Step 3. F1 CREATE.

Step 4. F3 CIRCLE.

Step 5. F2 CENTER/DIAMETER.

Step 6. Key in **.9** for **diameter** and press ENTER.



Step 7. Move the cursor to center location for each wheel and click, **Fig. 3**.

| | | | |
|----------------------------|----------------------|----------------------|------------------------|
| Fit on Screen ALT-A | Delete CTRL-Q | Redraw CTRL-R | Half Size ALT-H |
|----------------------------|----------------------|----------------------|------------------------|

F. AXLES.

Step 1. ESC to Main Menu.

Step 2. F1 CREATE.

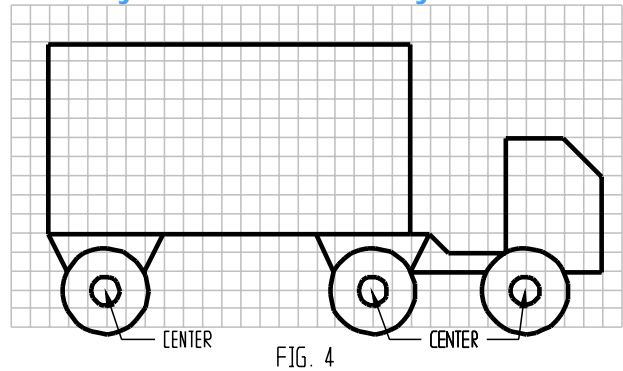
Step 3. F3 CIRCLE.

Step 4. F2 CENTER/DIAMETER.

Step 5. Key in **.3** for **diameter** and press ENTER.

Step 6. Move the cursor to center location for each axel and click, **Fig. 4**.

Step 7. Save the drawing. Use **CTRL-S** to save. Hold down CTRL and press S.



G. CREATE A RECTANGLE FOR TOP VIEW.

Step 1. Use **ALT-A** to center the rectangle on the screen. Hold down ALT and press A.

Step 2. Use **Alt-H** to reduce the drawing half size. Hold down ALT and press H.

Step 3. Draw the lines **blue**. Change the color to blue. Click the color swatch in the side Tool Bar. Click blue, number 5.

Step 4. ESC to Main Menu.

Step 5. F1 CREATE.

Step 6. F1 LINE.

Step 7. F7 RECTANGLE.

Step 8. F2 WIDTH/HEIGHT.

Step 9. Key in **3.8** for the width and press ENTER.

Step 10. Key in **1.8** for the height and press ENTER.

Step 11. F9 KEY IN.

Step 12. Key in:

Zero (0) for coordinate X and press ENTER.

2.4 for Y and press ENTER.

0 for Z and press ENTER, **Fig. 5**.

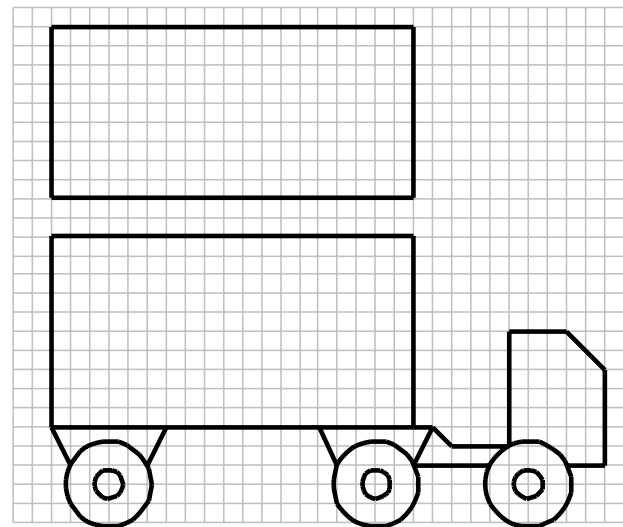


FIG. 5

| | | | |
|----------------------------|----------------------|----------------------|------------------------|
| Fit on Screen ALT-A | Delete CTRL-Q | Redraw CTRL-R | Half Size ALT-H |
|----------------------------|----------------------|----------------------|------------------------|

H. DRAW LINES IN TOP VIEW.

Step 1. ESC to Main Menu.

Step 2. F1 CREATE.

Step 3. F1 LINE.

Step 4. F1 ENDPOINTS.

Step 5. Draw the lines in **Fig. 6**. Use the grid to determine the location of the lines.

If an error is made use **CTRL-Q** to delete the line. Hold down CTRL and press Q. Move the cursor over the incorrect line, select with a click and press ENTER.

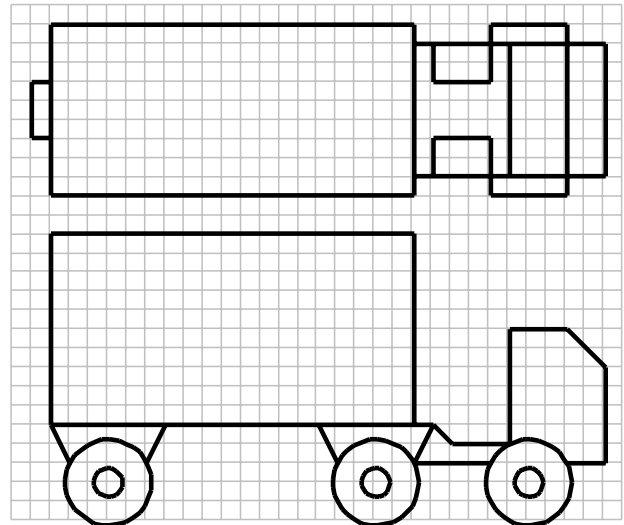


FIG. 6

Step 6. Save the drawing. Use **CTRL-S**.

I. ADD YOUR NAME AND THE PERIOD TO DRAWING.

Step 1. ESC to Main Menu.

Step 2. F3 DETAIL.

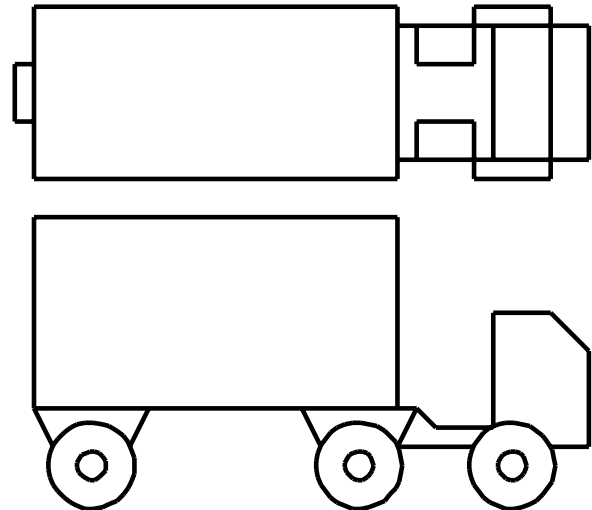
Step 3. F2 NOTE.

Step 4. F1 KEY-IN.

Step 5. 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 6. Click OK.

Step 7. Use **Alt-H** to reduce the drawing half size. Hold down ALT and press H.



DRAWN BY: MR. HALEY PERIOD 1

FIG. 7

Step 8. Center the text bar at the bottom of the drawing and click, **Fig. 7**.

Step 9. Save the drawing. Use **CTRL-S**.

Fit on Screen ALT-A

Delete CTRL-Q

Redraw CTRL-R

Half Size ALT-H