

Working with rotated background

Let's assume, you have received a rectangle as an XREFed background plan that is rotated at some unknown angle (See fig 1) and you need to work on the overlay plan, for instance input text notes, draw ductwork, etc... The problem is: it's hard to do all that at an angle and align them to the background plan. Therefore, you need the plan to show at a 0° angle without changing the coordinate (x,y,z) of the original background. Keep in mind that the background should not be rotated as other trades are using it as is.

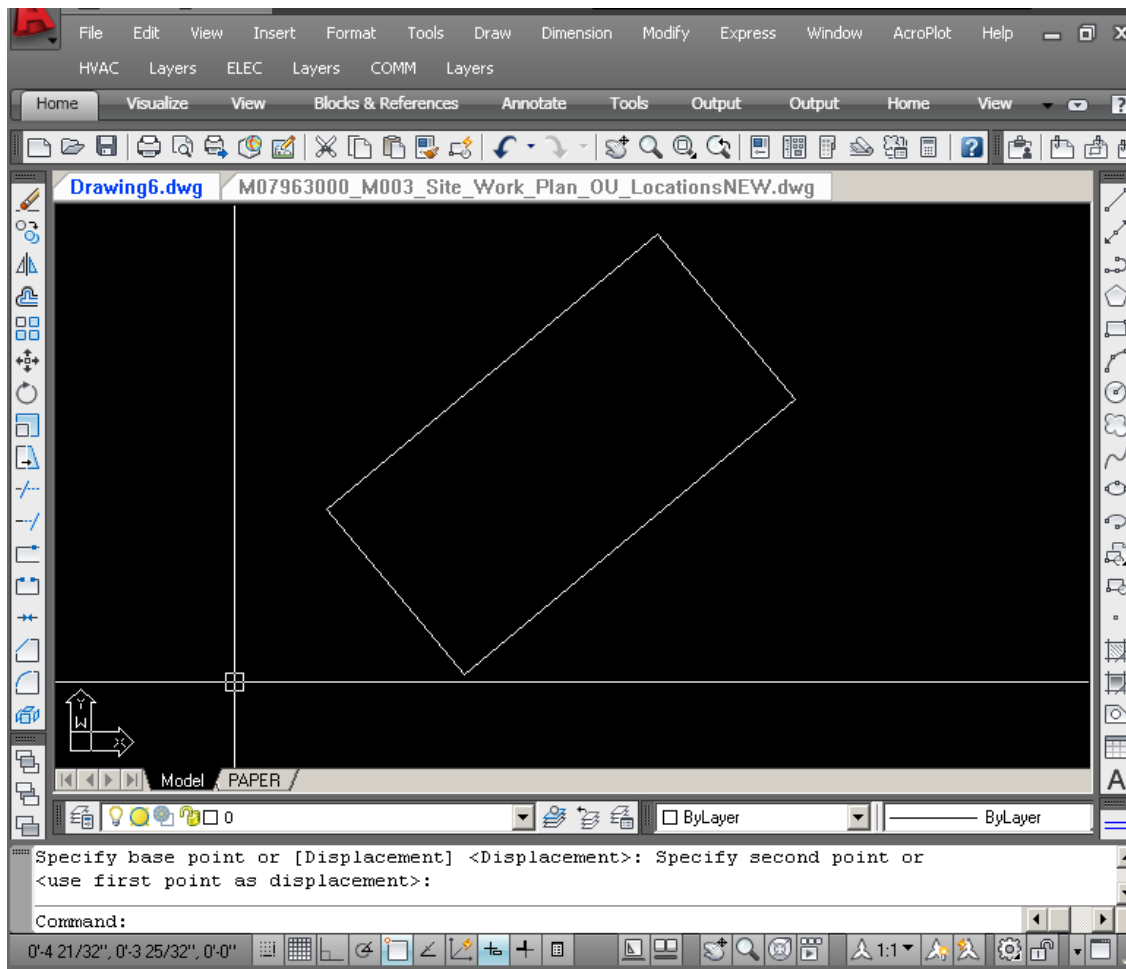


Figure 1

Follow these Steps:

1. Type **UCS** in the command prompt
2. Select **Named.**
3. **3point** and select 3 corners of the rectangle (see fig. 2)

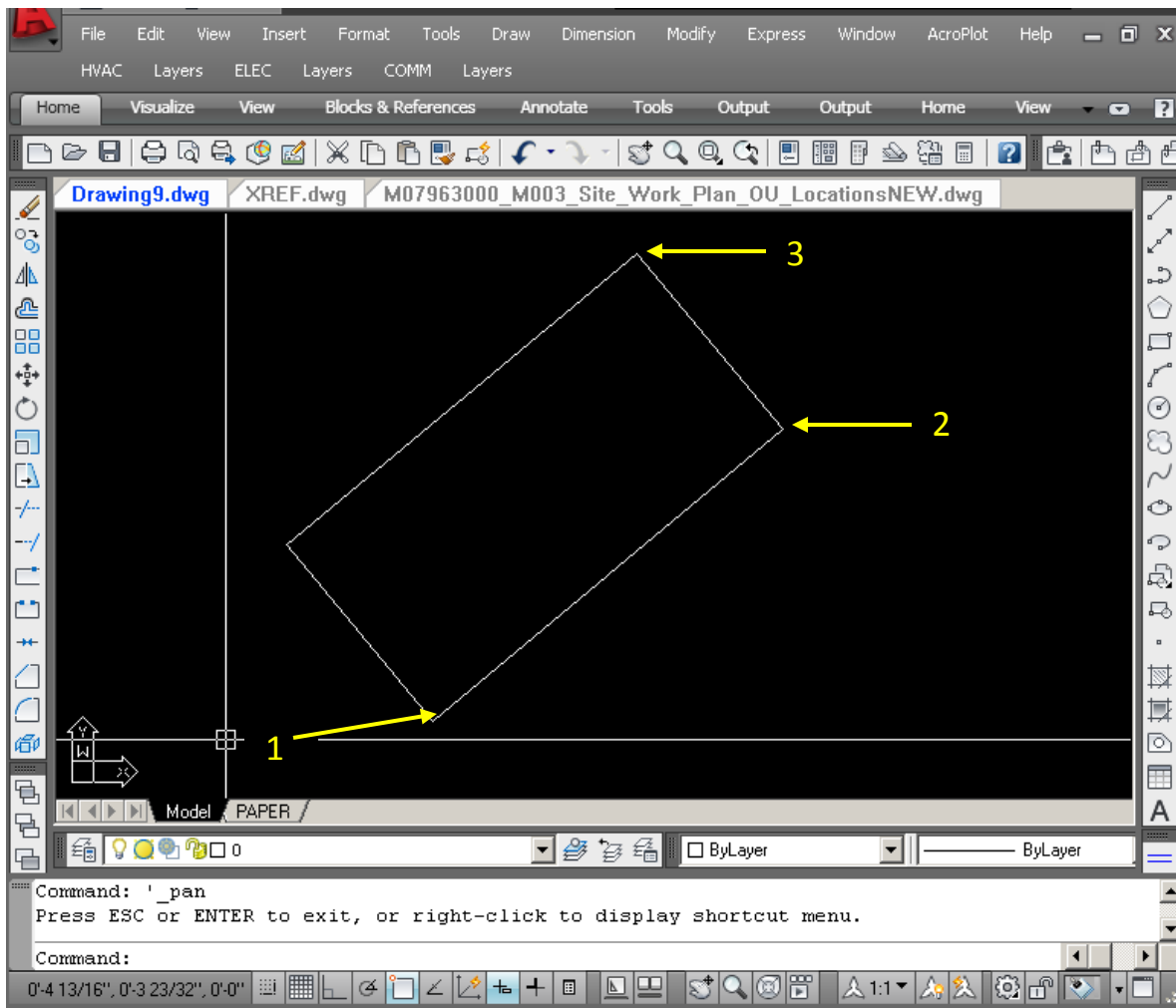


Figure 2

4. Type **UCSMAN**.
5. On the UCS list, rename the Unnamed (double click) to whatever you want. For example **UCS90** and that would be your custom view.
6. Click **OK** to finish (see fig. 3).

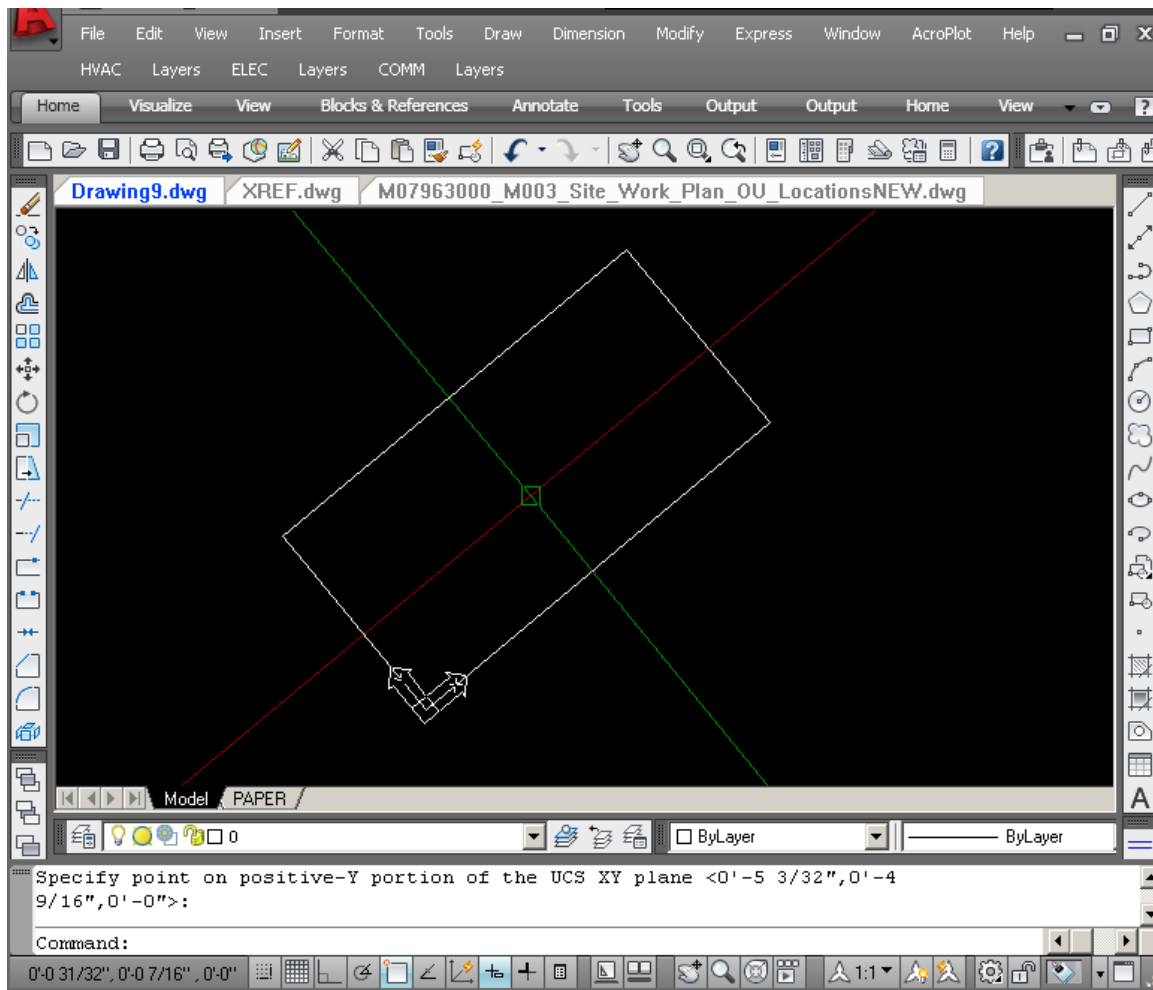


Figure 3

7. Type **PLAN**.

8. Select **Current** or **UCS** to input the named view that you have just created.

The view should look like your custom view and you are ready to work (see fig.4).

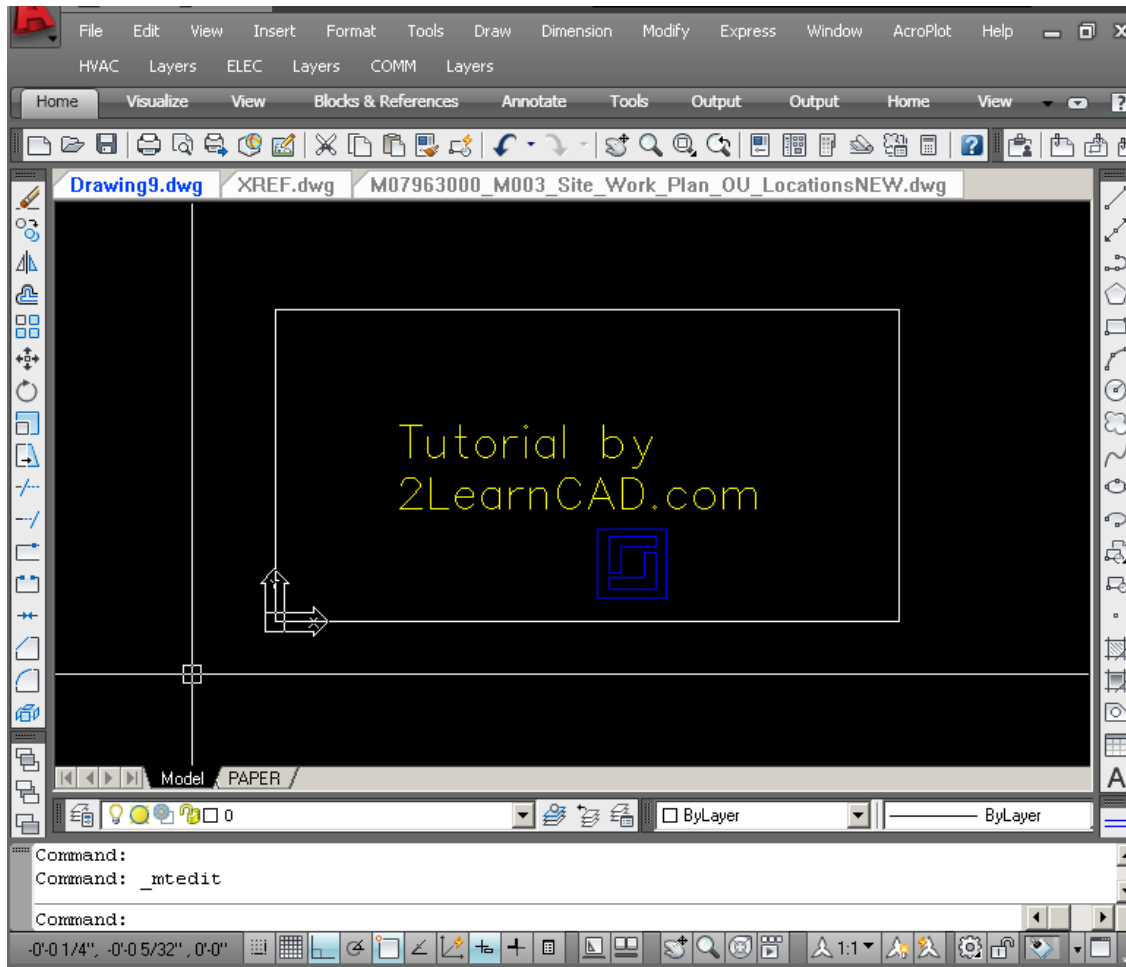


Figure 4

Now look what happens when you type **PLAN** and select **WORLD** in the command line (See fig.5).

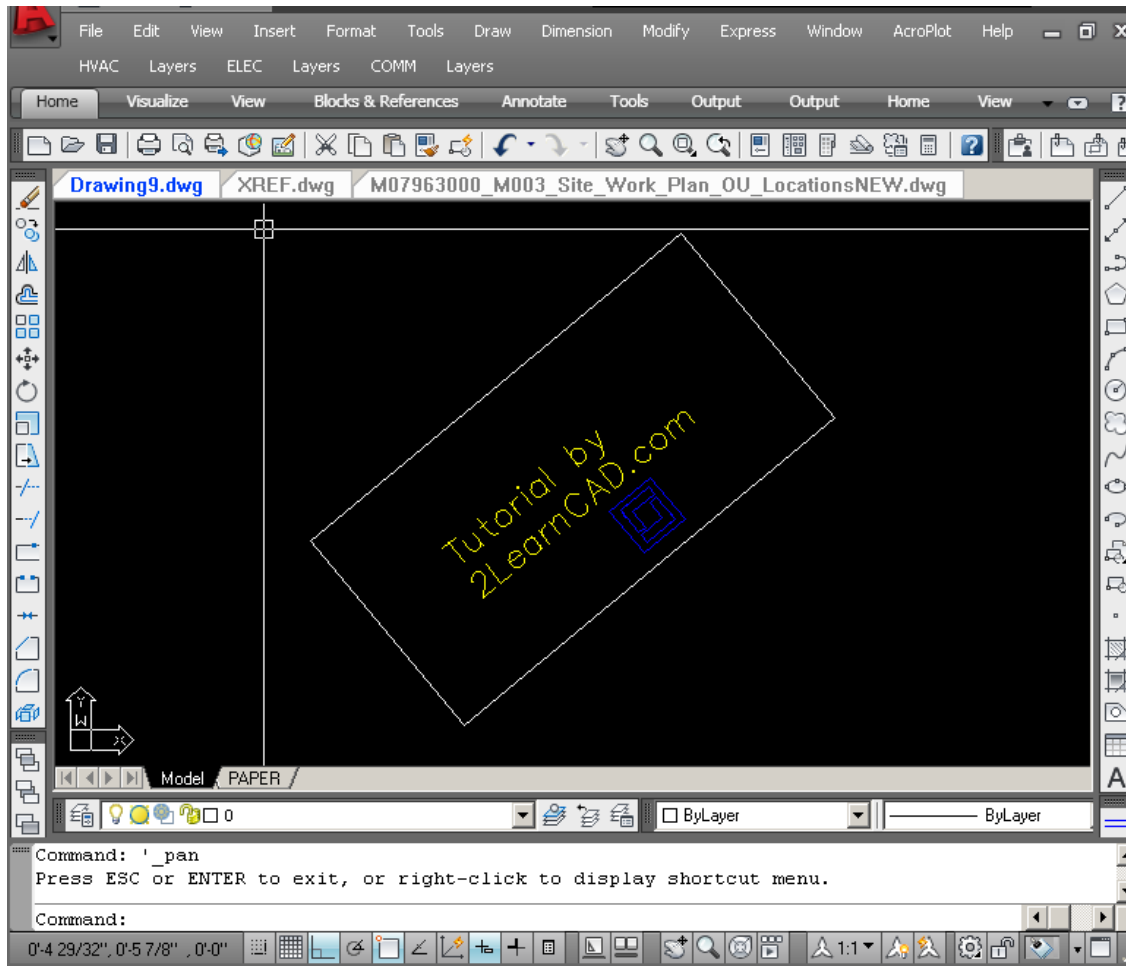


Figure 5

The original background stays the same. All your texts and work follow the unknown rotation of the background.

If you need any further help, contact me using the [contact page](#) or visit the discussion forum site <http://www.2learncad.com/forum>.