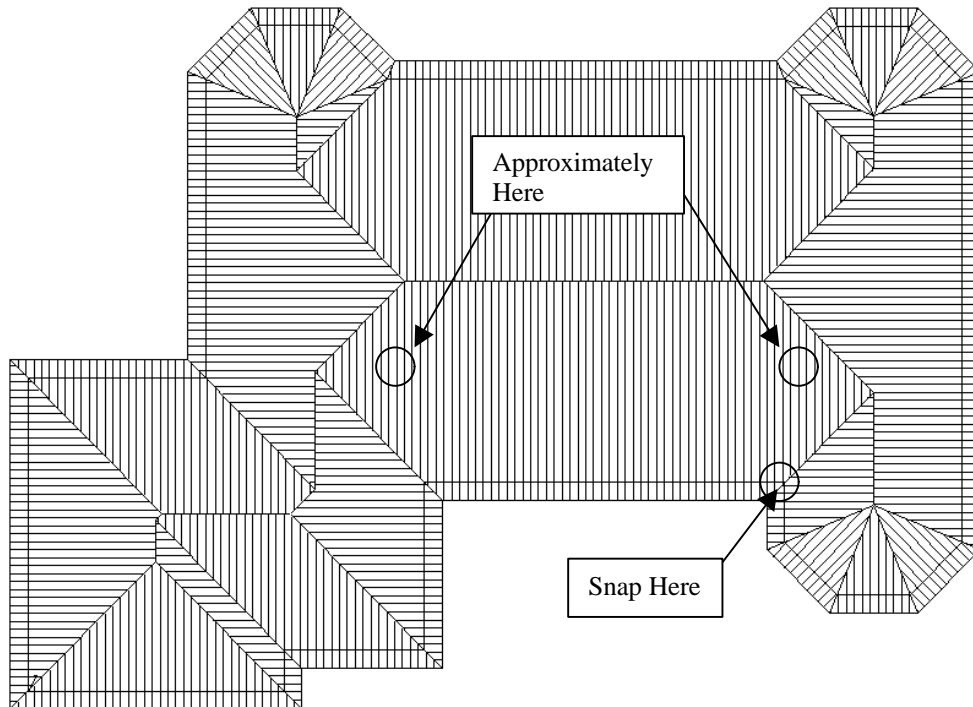


## Number: 4

### Objective: Using Intersect Planes to change Pitches

Commands used: **Dig-Plane**  
**Intersect-Planes**

First of all draw your roof up as normal, it should look similar to the one below.



From here we need to go to **Gen-Roof | Dig-Plane**. You will be presented with a constraints box. Set angles to **90** and lengths to **0** and click **Ok**. Crosshairs will appear and down the bottom you will be prompted to locate a start point. Press the **F2** button and the “**Inline**” menu will appear on the right hand side. Select the **Ref** option.

What this allows you to do is to select a point to use as a reference point.

You will be prompted to locate **Ref point**, we need to “**Snap**” (middle mouse button or Shift and Left Click) to the corner of the wall as shown above.

You will now be prompted to locate the start point. Type in “**i1200 -1500**” then press the **Enter** key. You will now notice that your crosshairs are now attached to line.

Move the crosshairs straight up to approximately where shown and left click. (this part of the process doesn't have to be accurate as most of it gets cut off later). Now move left and click approximately where shown again. Now right click the mouse and you will be presented with closing options. Choose **Close Square**. You will then be asked if you want to rescale. Select **No**.

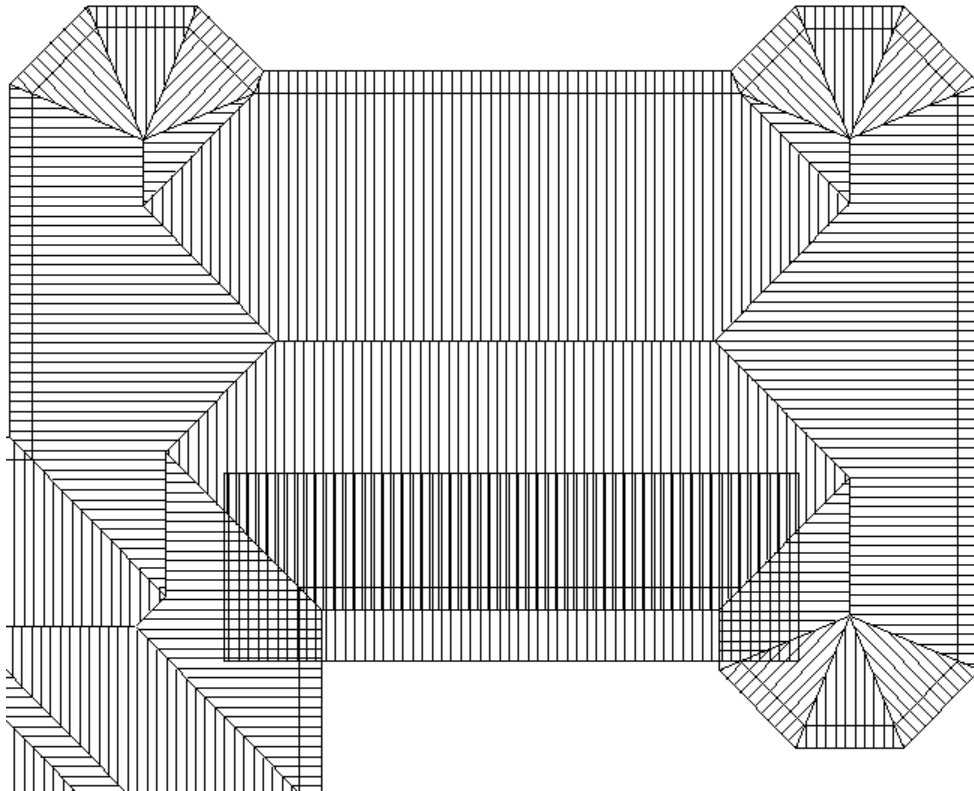
You will then be presented with the **plane defaults** box. Fill in the details as required, ensuring the eave height is the same as the rest of the job.

Finally you will be asked to select the pitching line. This is from where the plane pitches **up** from. Select the bottom line of the plane and your plane will be drawn in.

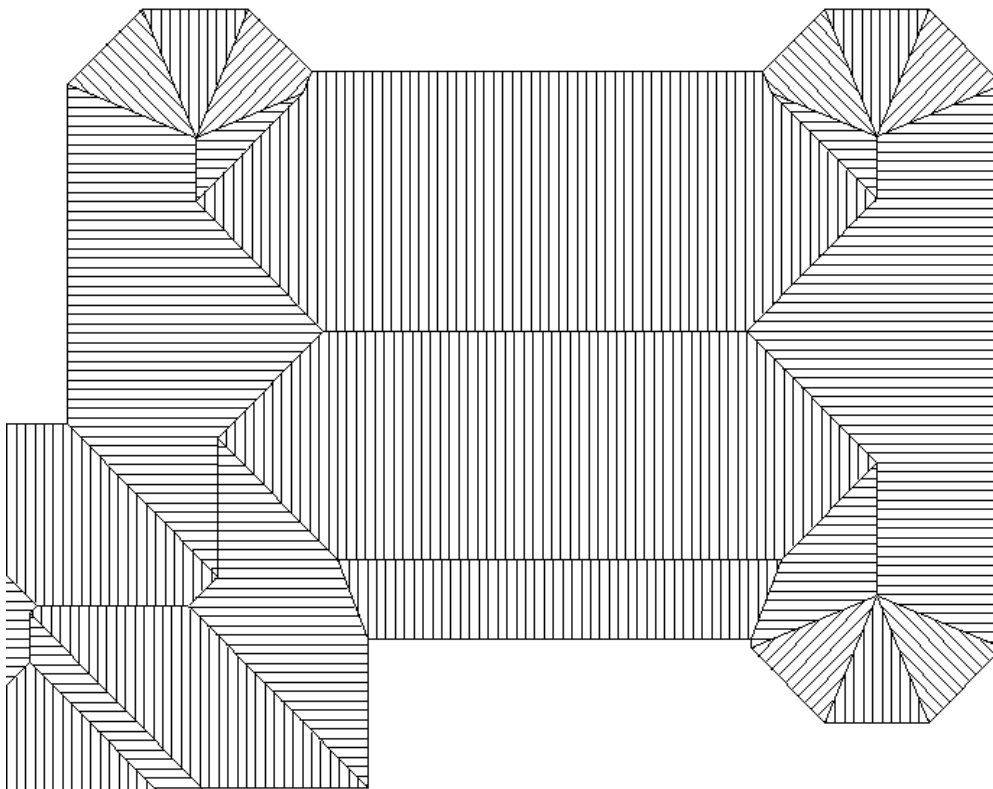
# Tips and Tricks

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*Items drawn from Applicad's Customer Service file*



From here it is a simple case of going to **Mod-Roof | Advanced | Intersect-Planes**. Let the software do its thing, and your roof will now look like the following. You should press the repaint button when it has finished just to clean it up.



*Information in this note is applicable to Applicad's Steep Roof Products:  
**Sorcerer, Roof Magician and Roof Wizard.***