



Using a Sun Path Diagram with your plans (for 27° S):

1. Locate True North on your plans (10.5° West of Magnetic North in this part of the world)
2. Draw your N,S,E and W axis over your plan in pencil, based on True North as your N point and making the axis roughly in the centre of your plan.
3. Place this diagram over your plan, so that the axis (in smallest concentric circle) sits over your axis – N-S and E-W lines should obviously line up.
4. For the main dates of the year (see dated arc lines) you can see the sun's direction at any hour, by reading where the short hour-line intersects the date-line (arc) and drawing a line from your centre axis out through that point. The concentric circles show how many degrees above the horizon the sun is, at that time.

For example above : At 10 am on the 21 June (the shortest day of the year) the sun's direction into your house is shown with the dotted line, and it's at about 30 degrees off the horizon – if there's something solid blocking a window you want to get sun into at this time of year, you will see. Alternatively, if you want to see if late afternoon sun will hit a particular window on the SW of your house and warm a room you don't want it to, you pick a time, say 5pm, draw the line through, and you know that it's only 25 degrees off the horizon, and by 6pm it's only 10 degrees off the horizon, meaning it will shine in under any eave you have on this side and be heating the house (so you might opt to grow a green wall or create a vertical screen in this spot).

for more information or private consultations visit www.joturner.weebly.com