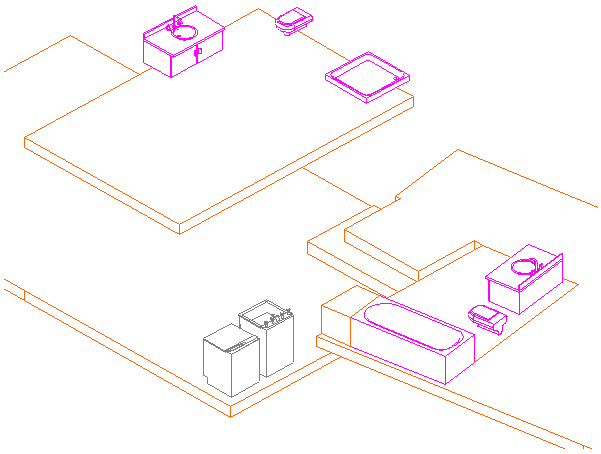
Tip Sheet

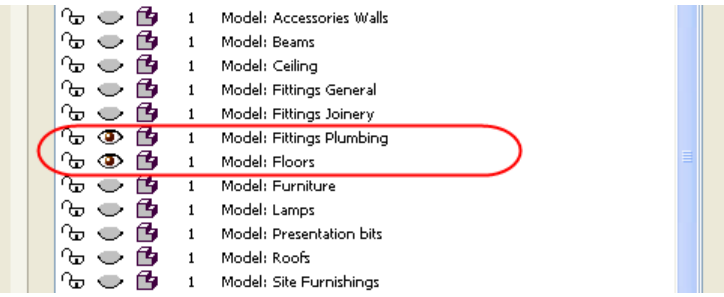
ArchiCAD 12
James Service
Graphisoft New Zealand
August 2008

Plumbing Schematics

Often if you are documenting a multi storey building, even a two storey residential project with plumbing fittings on both levels, council will require a plumbing schematic as part of your Consent Documentation. As you will typically modelled your plumbing fittings as 3D objects this is a simple task to perform.

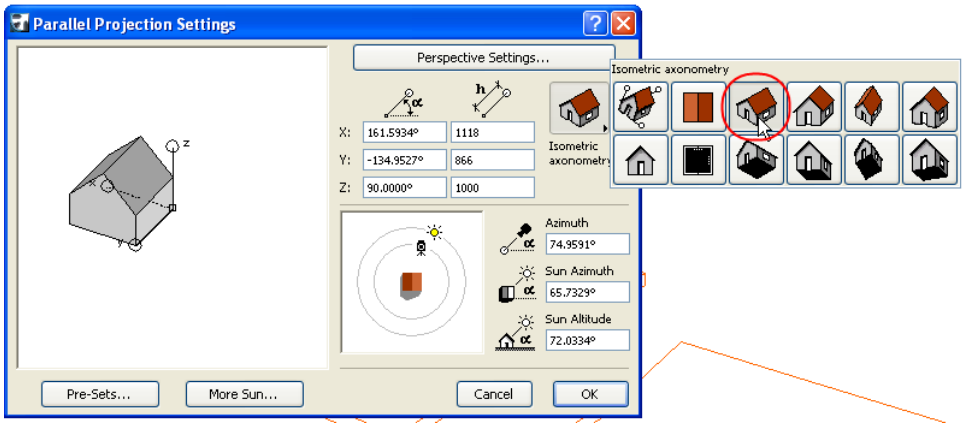


Firstly, turn off all of your Layers except the Floors and your Plumbing Fittings. This is when a well ordered Layer system and well constructed ArchiCAD model pay off.

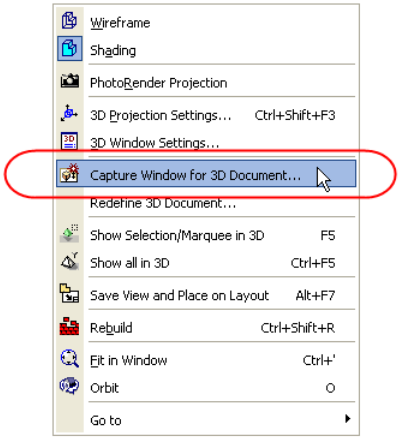


Now go to the 3D window and have a quick look at your model and check that all of your plumbing fittings are sitting at the correct levels. The floor slabs provide a good reference point to what can be a rather odd visual. Sometimes, depending on the complexity of your project, you may want to set the floor slabs Layer to wireframe using the Layer controls or turn off the Layer entirely.

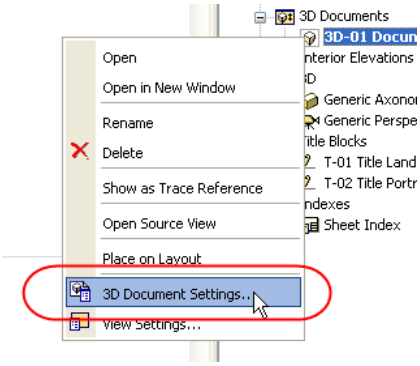
We now can setup the view that you require **View Menu > 3D View Mode > 3D Projection settings.** Choose **Parallel Projection Settings** and then choose **Isometric Axonometry.**



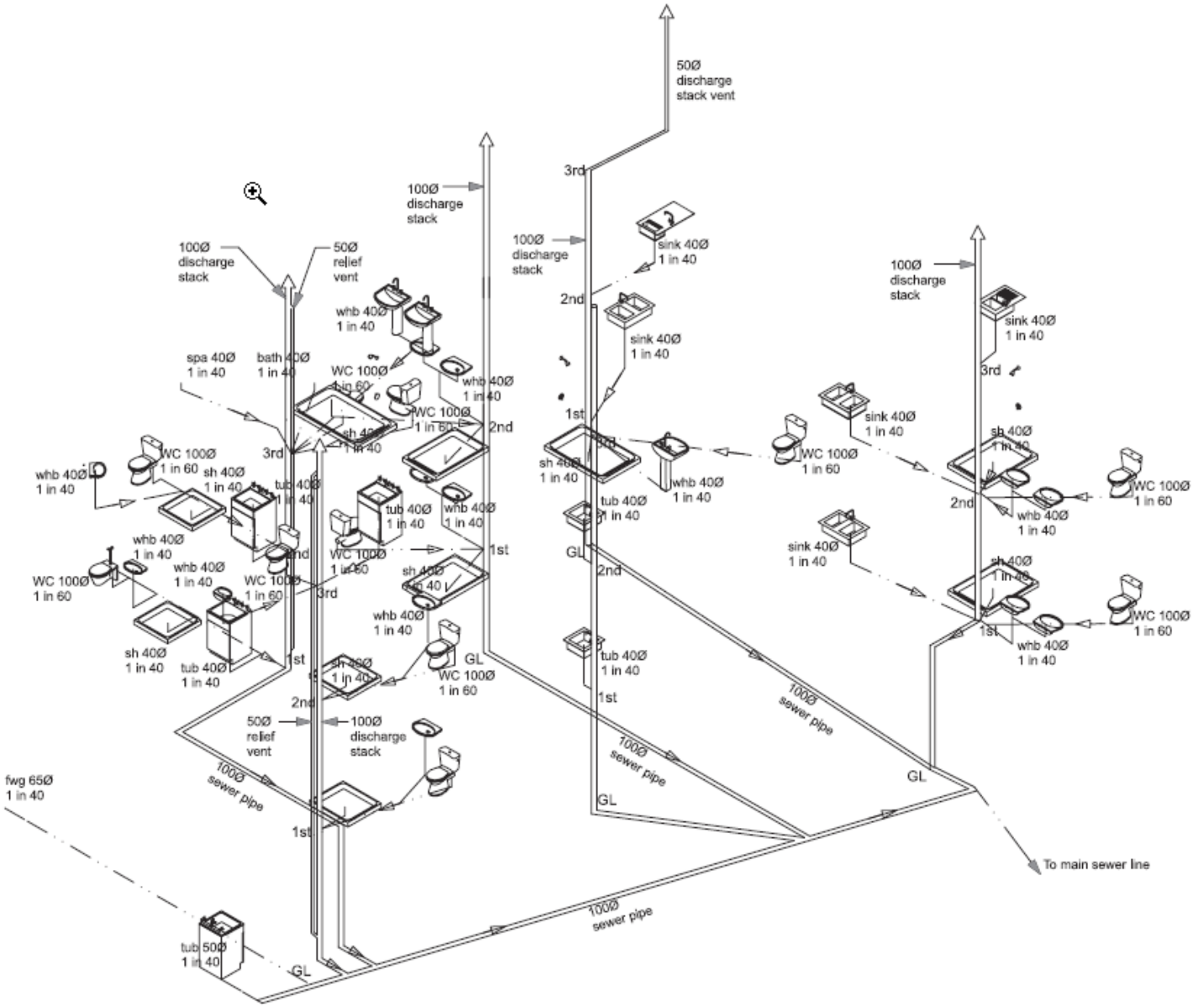
Now right click in the 3D window and choose **Capture Window for 3D Document**. Give the 3D Document an ID and Name, and choose create.



The 3D document is a live model view that can be annotated using the necessary 2D Documentation tools, lines text labels etc, to create a complete Plumbing and drainage Drawing. Note; The 3D document window is a live model view so any changes you make to the model will be updated just like a section or elevation. The **3D document settings** are the settings for how the 3D Document displays model elements and its setup.



This is an example of a Plumbing Schematic drawing from *Ambienti – Frandsen Architecture Ltd*, as featured in our Drawings Booklet 2nd Edition 2007.



Plumbing & Drainage Isometric Plan

Scale 1:100