Displaying and Printing Objects That Exist on Another Floor

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The information in this article applies to:



QUESTION

I would like to print a view of my foundation plan that includes the location of plumbing fixtures on the floor above. How can I do this?



ANSWER

You can use the Reference Display and a custom layer set created for the purpose of displaying only certain layers to easily display and print objects on a floor of your plan other than the current floor.

To create a custom Reference Layer Set

- Select Tools> Layer Settings> Layer Set Management 4 from the menu to open the Layer Set Management dialog.
 - In the **Available Layer Sets** list, scroll to the Reference Display Set, select it, and click the **Copy** button.

Layer Set Management	×
Available Layer Sets	
All Layers OFF	Define
All Layers ON	
Working Layer Set	New
3D Framing Layer Set	Conv
CAD Block Detail Set	
Camera Clay View Layer Set	Rename
Camera View Layer Set	
Detail Layer Set	Delete
Electrical Layer Set	Import
Floor Plan Dimensioned Layer Set	mporta
Floor Plan Shell Layer Set	Export
Framing Layer Set	
Framing, Ceiling Layer Set	
Framing, Floor Layer Set	
Framing, Roof Layer Set	
Kitchen and Bath Elevation Layer Set	
Kitchen and Bath Layer Set	
Materials List Layer Set	
Mechanical Layer Set	
Plan Footprint Layer Set	
Plot Plan Layer Set	
Reference Display Layer Set	
Roof Plan Layer Set	
Section View Layer Set	
Terrain Layer Set	
Active Layer Set For Current View	
Working Layer Set V Define	
OK Cancel	Help

• Give the new layer set a short, descriptive name, such as Plumbing Reference Set, then click **OK**.

New Layer Set					
Name: Plumbi	ng Reference S	et			
ОК	Cancel	Help			

- 2. The **Layer Display Options** dialog opens up, displaying the attributes of your new custom layer set.
 - Click the **Select All** button towards the left side of the dialog, then clear the

checkbox beside **Display**. Here, you can also change the line color, style, line weight, and the text style of your layers.

Layer Display Op	tions					_		×			
Layer Sets											
Plumbing Reference Set											
Reset Layer Names Delete Unused Layers											
Properties for Selected Layer Set											
Name Filter:											
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Cabinets, Shelves 8	& Partitions	4			25		Default Te				
Cabinets, Soffits		4			25		Default Te				
Cabinets, Wall		4			25		Default Te				
Cabinets, Counterto	ops	-			25		Default Te				
Cabinets, Custom B	Backsplashes	9			25		Default Te				
Cabinets. Doors & D	Drawers				25		Default Te	~			
Select All	New Co	ру	Merge		Delete						
Properties for Selecte	ed Layer - Multipl	e Layer	s (Cabinets,	Base ar	nd 196 oth	ners)					
	Display 🔳 L	ock									
Color:	Color:										
Line Weight:	No Change										
Line Style:	No Change			~	Libra	iry					
Text Style:	No Change			~	Defi	ne					
				0	К	Cancel	Help				

• Scroll down the list of layer names, select a layer that you wish to display in your plumbing reference such as "Fixtures, Interior", and click in the **Disp** column to turn on the display of this layer.

Layer Display Options						_		×			
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Plumbing Reference Set V Copy Set Modify All Layer Sets											
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Reset Layer Names Delete Onused Layers											
Properties for Selected Layer Set											
Name Filter:											
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Fences	ዊ				18		Default Te				
Fireplaces	S				25		Default Te				
Fixtures, Exterior	S		Þ		18		Default Te				
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Select All New Co	ору	I	Vlerge		Delete						
Properties for Selected Layer - "Fixtur	es, Inter	ior" –									
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Text Style: Default Text Style	e			~	Defi	ne					
				0	К	Cancel	Help				

- Repeat this step to turn on the display of all the layers that you wish to include in this reference set.
- Select the "Cabinets, Base" layer, click the Line Style drop-down arrow, and select a blank line style from the list. Then, click in the Disp column to turn on the display of this layer. This will allow you to display sink fixtures placed in cabinets without being able to see the cabinets themselves.

Layer Display Options								Х		
Layer Sets										
Plumbing Reference Set V Copy Set Modify All Layer Sets										
Reset Layer Names Delete Unused Layers										
Properties for Selected Layer Set										
Name Filter:										
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Brick Ledge Lines	2				25		Default le			
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Properties for Selected Layer - "Cabine	ets, Bas	se" —								
🗹 Display 🗹 L	.ock									
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OK Cancel Help										

- When you are satisfied with the attributes of your new reference layer set, click
 OK to close the dialog and click OK again to close the Layer Set Management dialog.
- 3. Next, navigate to **Tools> Floor/Reference Display> Change Floor/Reference**.
- 4. In the **Change Floor/Reference** dialog, select the drop-down for the **Layer Set**, select your newly created layer set, then click **OK** to close this dialog.

No	hange Flo	or/Reference						×
Curre	ent Floor -							
	Founda	ition						
	1st Floo	or						
	Attic							
Refer	ence Displ	lay						
	Show	v Reference Floor(s)						
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1		Example Plan	🗸 Automatic 🗸 🗸	Plumbing Reference Set ~	Define		\checkmark	Insert Below
2	-	Example Plan	Foundation	Working Layer Set		\checkmark		Move Up
								Move Down
								Move Down
								Delete
								Delete

Select Tools> Reference Floors> Up One Floor or Down One Floor to go to a different floor, then select Tools> Floor/Reference Display> Reference Floor Display or press F9 on your keyboard to see the referenced objects.

The reference display will now show objects on the layers that you turned on in your custom layer set. These objects can be sent to layout and/or printed.



Related Articles

 Understanding Layer Sets (/support/article/KB-00765/understanding-layer-sets.html)
 Using the Reference Display (/support/article/KB-00475/using-the-referencedisplay.html)



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