Displaying and Printing Objects That Exist on Another Floor

Reference Number: **KB-00795** Last Modified: **November 30, 2022**

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 | Copy |
| 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 | otions | | | | | _ | | × | | | |
|--|--------------------|---------|--------------|---------|------------|------------|------------|----------|--|--|--|
| Layer Sets | | | | | | | | | | | |
| Plumbing Reference Set | | | | | | | | | | | |
| Reset Layer Names Delete Unused Layers | | | | | | | | | | | |
| Properties for Selected Layer Set | | | | | | | | | | | |
| Name Filter: | | | | | | | | | | | |
| Name | | Used | Disp Lock | Color | Weight | Line Style | Text Style | ^ | | | |
| Cabinets, Base | | + | | | 25 | | Default Te | | | | |
| Cabinets, Full | | 4 | | | 25 | | Default Te | | | | |
| Cabinets, Shelves & | & 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 | | 4 | | | 25 | | Default Te | | | | |
| Cabinets. Doors & I | Drawers | - | | | 25 | | Default Te | ~ | | | |
| Select All | New Co | ру | Merge | | Delete | | | | | | |
| Properties for Select | ed Layer - Multipl | e Layer | s (Cabinets, | Base ar | nd 196 oth | ners) | | | | | |
| | Display 🔳 L | .ock | | | | | | | | | |
| Color: | 12 | | | | | | | | | | |
| Line Weight: | No Change | | | | | | | | | | |
| Line Style: | No Change | | | ~ | Libra | iry | | | | | |
| Text Style: | No Change | | | ~ | Defi | ne | | | | | |
| | | | | 0 | K | 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 | | | | | | _ | | × | | | |
|---|-----------|--------------|--------|-------|--------|------------|------------|---|--|--|--|
| Layer Sets | | | | | | | | | | | |
| Plumbing Reference Set V Copy Set Modify All Layer Sets | | | | | | | | | | | |
| Reset Layer Names Delete Unused Layers | | | | | | | | | | | |
| Reset Layer Names Delete Onused Layers | | | | | | | | | | | |
| Properties for Selected Layer Set | | | | | | | | | | | |
| Name Filter: | | | | | | | | | | | |
| Name | Used | Disp | Lock | Color | Weight | Line Style | Text Style | ^ | | | |
| Electrical, Labels | e B | | | | 10 | | Default | | | | |
| Fences | ዊ | | þ | | 18 | | Default Te | | | | |
| Fireplaces | S | | | | 25 | | Default Te | | | | |
| Fixtures, Exterior | S | | ß | | 18 | | Default Te | _ | | | |
| Fixtures, Interior | - | \checkmark | ß | | 18 | | Default Te | | | | |
| Fixtures, Labels | + | 43 | | | 10 | | Default | | | | |
| Floor Surfaces | + | | | | 10 | | Default Te | - | | | |
| Footings | - | | A | | 35 | | Default Te | ¥ | | | |
| Select All New Co | ору | I | Vlerge | | Delete | | | | | | |
| Properties for Selected Layer - "Fixtur | es, Inter | ior" – | | | | | | | | | |
| Display 🗹 I | | | | | | | | | | | |
| Color: | | | | | | | | | | | |
| Line Weight: 18 | | | | | | | | | | | |
| Line Style: | | | | - ~ | Libra | iry | | | | | |
| 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: | | | | | | | | | | |
| | | | | | | | | | | |
| Name | Used | Disp | 0 | Color | - | Line Style | - | | | |
| Audio/Video | db | | | | 18 | | Default Te | - | | |
| Auto Dormers | Hereit | | | | 25 | | Default Te | - | | |
| Brick Ledge Lines Cabinets, Base | S | | | | 25 25 | | Default Te Default Te | | | |
| Cabinets, Full | С С С | - V | | | 25 | | Default Te | | | |
| Cabinets, Shelves & Partitions | ě | , v | | | 25 | | Default Te | - | | |
| Cabinets, Soffits | ų | | đ | | 25 | | Default Te | - | | |
| Cabinets, Wall | ĕ | | á | | 25 | · · · · · · · · · · · · · · · · · · · | Default Te | - | | |
| | ру | N | /lerge | | Delete | | | | | |
| Select All INEW CC | /P) | | neige | | Delete | | | | | |
| Properties for Selected Layer - "Cabine | ets, Bas | se" — | | | | | | | | |
| 🗹 Display 🗹 L | .ock | | | | | | | | | |
| Color: | | | | | | | | | | |
| Line Weight: 25 | | | | | | | | | | |
| Line Style: | | | | ~ | Libra | iry | | | | |
| Text Style: Default Text Style | e | | | ~ | Defi | ne | | | | |
| 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 | | | | | | |
| | | v Reference Floor(s) | | | | | | |
| # | Current | Plan | Floor | Layer Set | Define | Details | XOR | Insert Above |
| 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 |
| | | | | | | | | |

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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