

Designing a Custom Drop-in Tub Enclosure

Reference Number: **KB-01264**

Last Modified: **December 18, 2018**

The information in this article applies to:



QUESTION



I need to create a tub deck surround for a drop in tub. How can I achieve this?



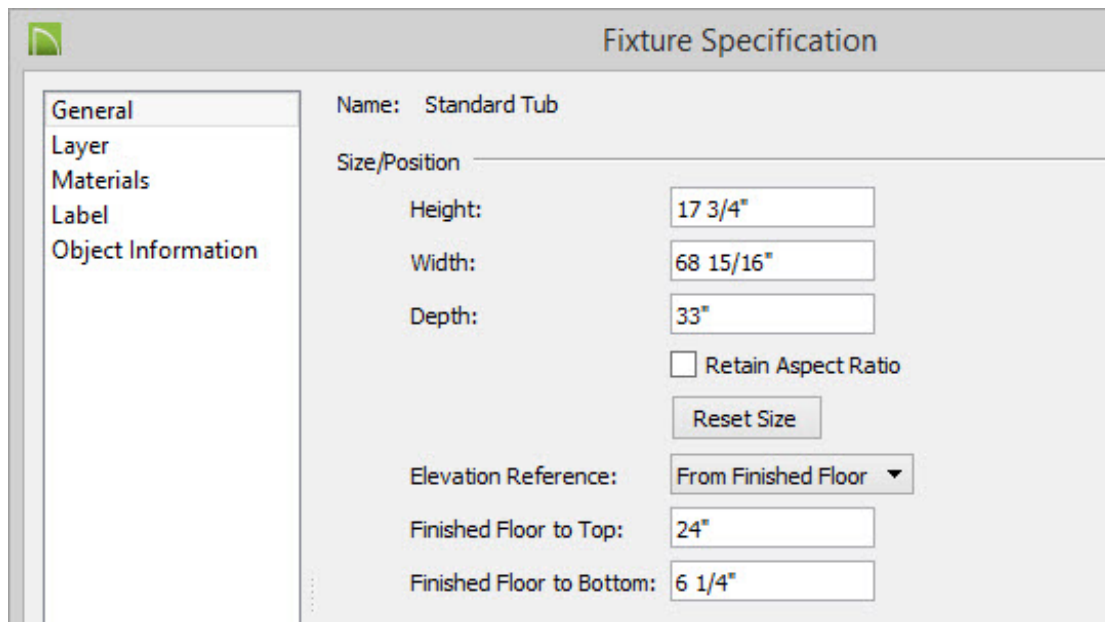
ANSWER

In Chief Architect, we have a number of Drop-In Tub symbols that can be placed in plans, and a number of tools to create a surround.

To place the drop-in tub



1. In the Core Catalogs, go to **Architectural**> **Fixtures**> **Bathtubs**> **Drop-In Tubs**.
2. Select one of the drop-in tubs, and then click once in the plan to place the selected tub.
3. With the drop-in tub selected, click the **Open Symbol**  edit tool to open the **Symbol Specification** dialog:
 - Select the **OPTIONS** panel and choose the **Inserts into Countertop** option under the **Special Placement** category.
 - Hit **OK** to confirm the change.
4. Keeping the tub selected, click the **Open Object**  edit tool.
5. In the **Fixture Specification** dialog, enter a **Finished Floor to Top** height for the tub, and then click **OK**.

In this example, a Finished Floor to Top value of 24" was used.



To create the surround

The surround in this example is created using a simple base cabinet that has a custom countertop modified to fit over the tub.

1. Place a base cabinet in the plan by selecting **Build> Cabinet> Base Cabinet**  from the menu, and then click in front of the tub.
2. Select the base cabinet, click the **Open Object**  edit tool, and on the **GENERAL** panel make the following adjustments:

Base Cabinet Specification

General

Box Construction

Front/Sides/Back

Door/Drawer

Accessories

Moldings

Layer

Fill Style

Materials

Label

Object Information

Cabinet Style

Type: Standard Filler

Size/Position

Height: 24" Including Countertop

Width: 72"

Depth: 2"

Elevation Reference: From Floor

Floor to Top: 24"

Floor to Bottom: 0"

Countertop

Thickness: 1 1/2" (D)

Overhang: 1" (D) Uniform

Front 1" (D) Back 1" (D) Left 1" (D) Right 1" (D)

Corner Treatment: None Clipped Rounded

Corner Width: 3/8"

Backsplash

Height: 0"

Thickness: 0"

Options: Side Always Present

Toe Kick

Height: 0"

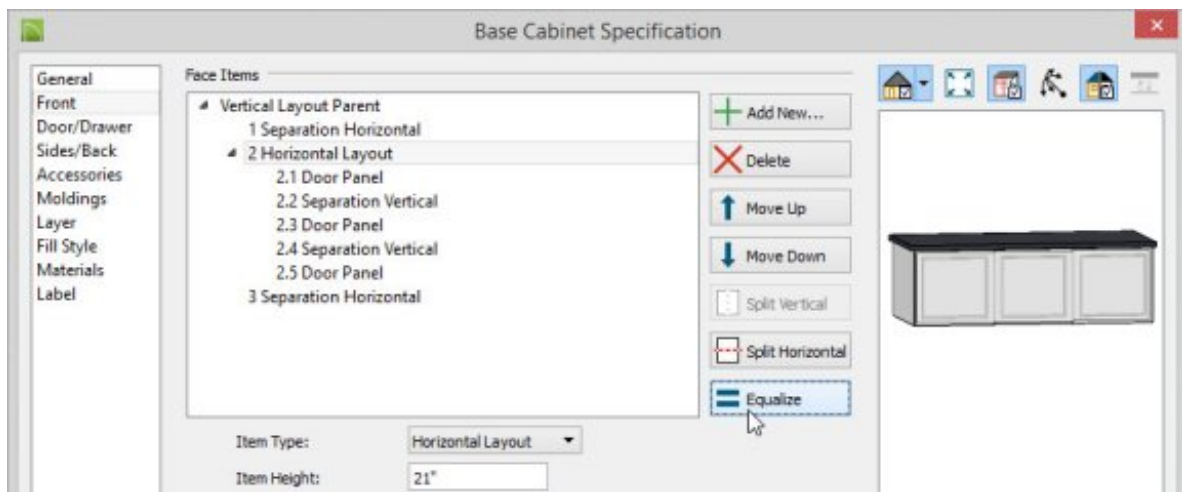
Depth: 0"

Sides/Back: Flat Sides Flat Back Closed Toe Always Present

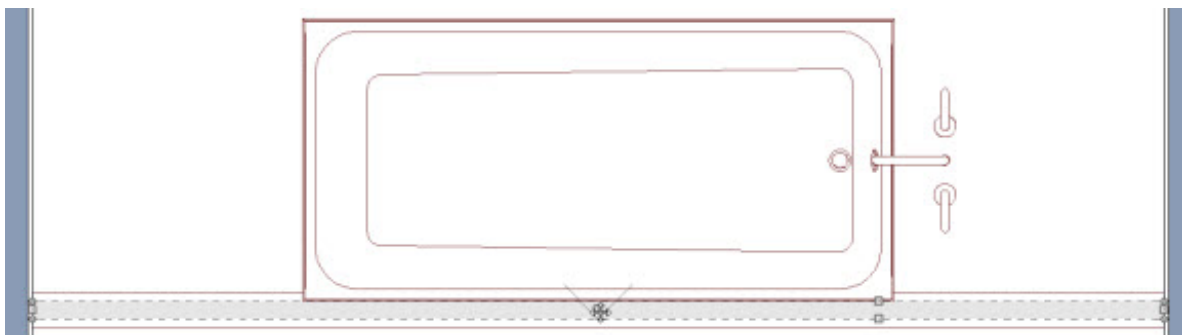
- Enter in a **Height** of 24".
- Enter in a **Width** of 72".
- Enter in a **Depth** of 2".
- Enter in a Backsplash **Height** of 0".
- Enter in a Toe Kick **Height** of 0".
- On the **FRONT/SIDES/BACK** panel of the **Base Cabinet Specification** dialog:
 - Delete the drawer from the cabinet by selecting it in the preview and choosing the **Delete** button.




- Select the cabinet doors and use the **Item Type** drop down menu to change them to a **Door - Panel**.
- With the cabinet doors still selected, click **Split Vertical**. Select one of the newly split doors and click **Split Vertical** again.
- Select **Layout - Horizontal** then click **Equalize**.



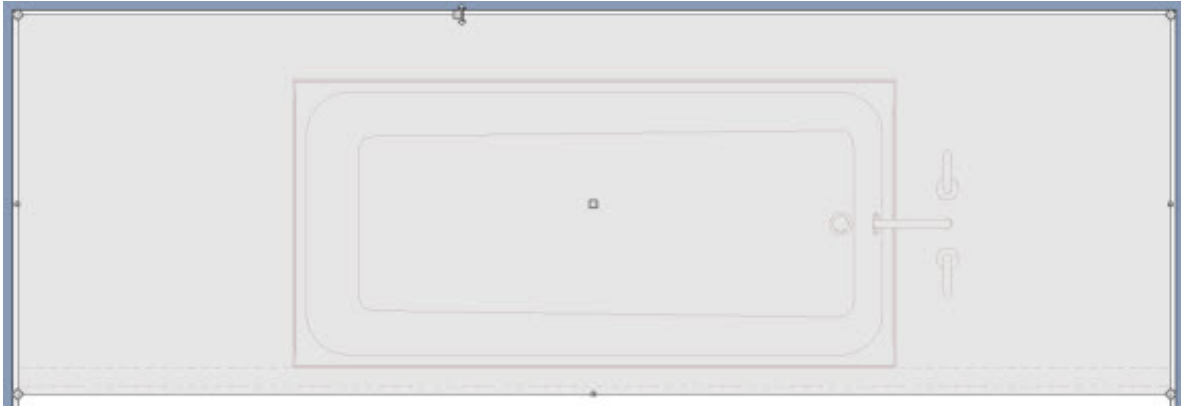
- Lastly, select each **Separation Vertical** and click the **Delete** button to remove them before clicking **OK** to apply the changes to the Base Cabinet.
4. With the base cabinet still selected, use its center square edit handle to move it flush with the side of the drop-in tub, and use its side edit handles to expand its width further if needed to fit within the surround's space.






5. With the base cabinet still selected, click the **Generate Custom Countertop**  edit

button to generate and select a custom countertop above the base cabinet.

6. With the newly generated custom countertop selected, click and drag the countertop edge closest to the tub so that it covers the areas around the tub..



7. Use **CAD> Boxes> Rectangular Polyline**  to draw a polyline tightly surrounding the drop-in tub.
8. Select the newly created rectangular polyline, and click the **Convert Polyline**  edit button, select **Countertop** and then click **OK**.
9. In the **Custom Countertop Specification** dialog that appears, put a check next to **Hole in Countertop** and then click **OK**.
10. Now create a **Full Camera**  to examine the results.



Related Articles

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