



CEILING TECHNIX™



USER GUIDE

Ver 2.3

USG.COM/TECHNIX

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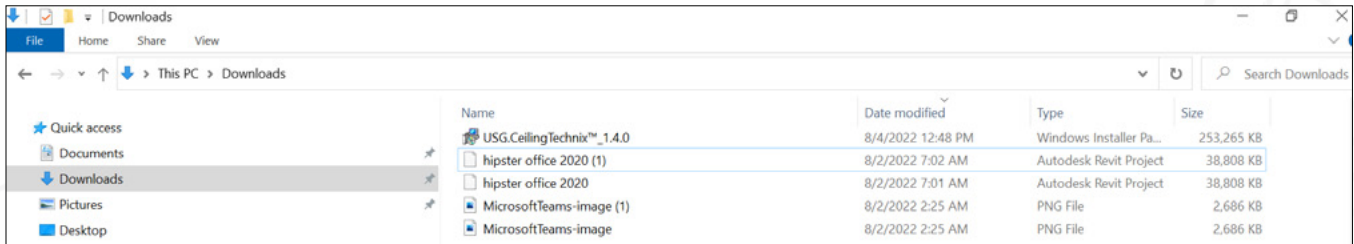
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Downloading & Installing USG Ceiling Technix™ Plug-in

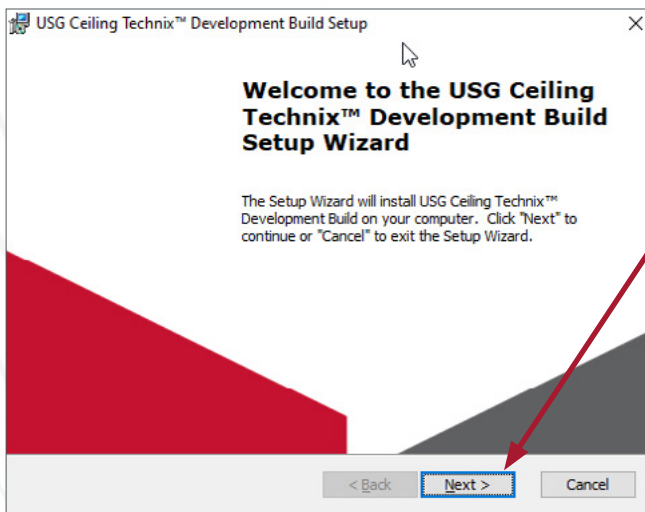
USG Ceiling Technix™ MSI file

****Revit needs to be closed before you run the installer.****

Download the installer from our [website](#). Once downloaded, double click the .msi file to start the installation.

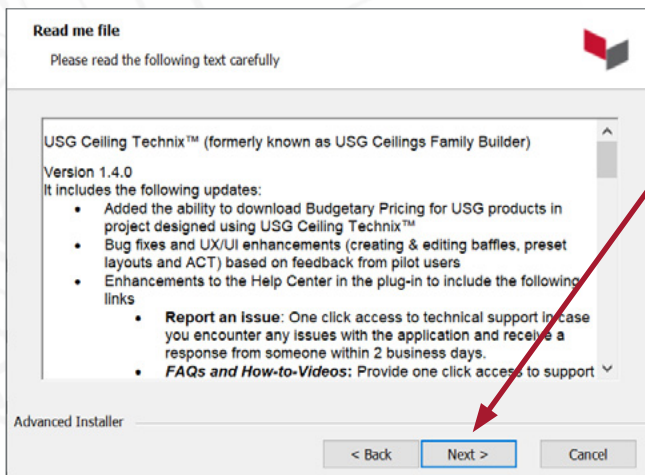


After double clicking the MSI File, the installation wizard will open.



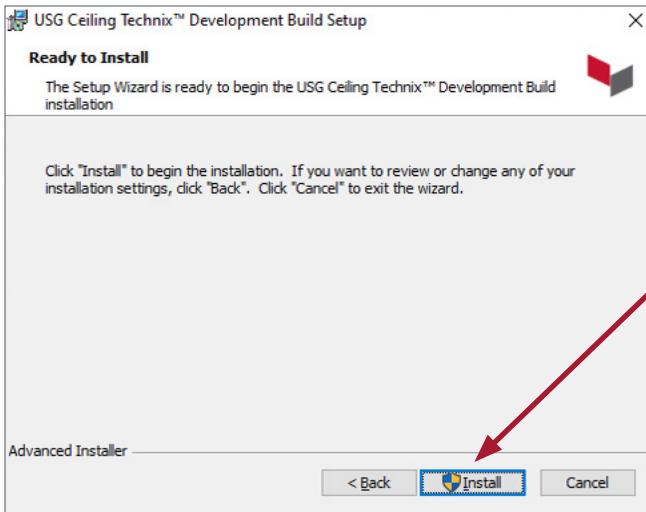
Welcome

The first screen will be a Welcome page, you can read through it and select **Next**.



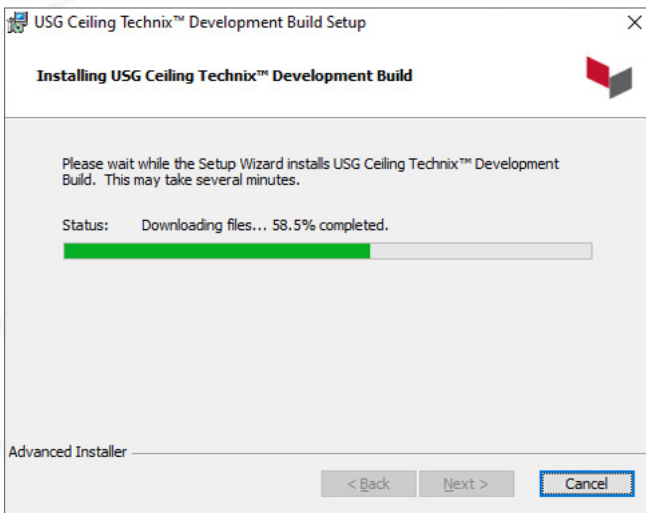
Read Me File

This screen highlights updates or enhancements included in the version you are installing. Please read the text and select **Next**.



Ready to Install

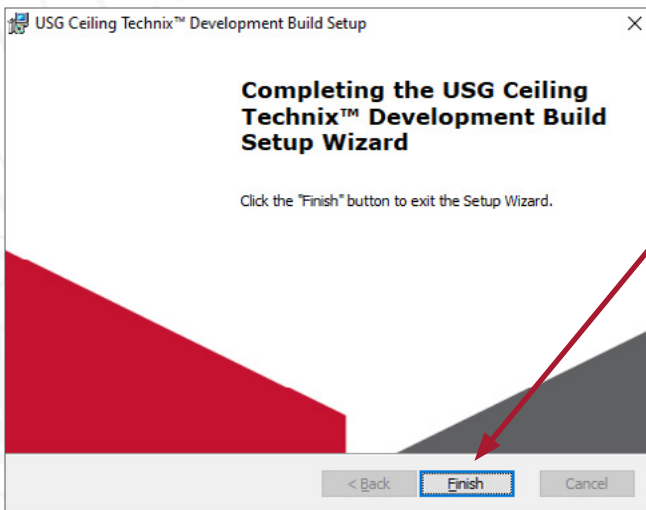
Select **Install** to start the downloading process.



Installing USG Ceiling Technix™

The application will start checking for and downloading any required files.

This process could take a few minutes.



Completing Setup Wizard

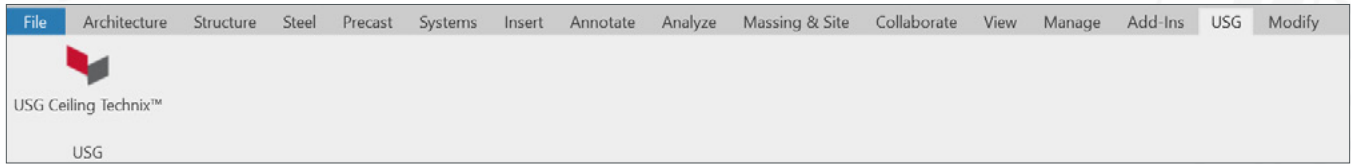
When all required files have been downloaded the install wizard will automatically advance to the next page.

Select **Finish** to close the wizard.

Opening the USG Ceiling Technix™ Plug-in

Opening the USG Ceiling Technix™ Dock Pane

To open the USG Ceiling Technix™ dock pane, select from the Ribbon: USG > USG Ceiling Technix™.



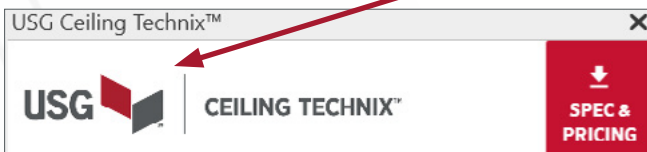
This will open up the USG Ceiling Technix™ dock pane.

From this dock pane, you can design ceilings, and download specifications or budgetary pricing based on ceilings created with USG Ceiling Technix™.

USG Ceiling Technix™ Home Page

The USG Ceiling Technix™ home page is the initial page when starting the Ceiling Technix™ application. There are four sections to the home page:

01 Jumping to Home Page



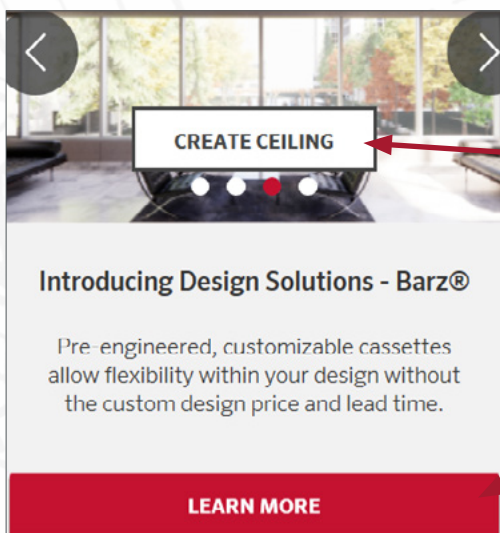
Jumping to Home Page

This logo will always be visible on any page you navigate to. Selecting the logo will take you back to the home page.

Spec & Pricing

This button is enabled only if the active file contains products designed with USG Ceiling Technix™. You can use this button to download custom specifications or budgetary pricing based on USG ceilings in your file (need to have been created with USG Ceiling Technix™). See page 12 to learn more about creating a spec and budgetary pricing.

02 Featured Products



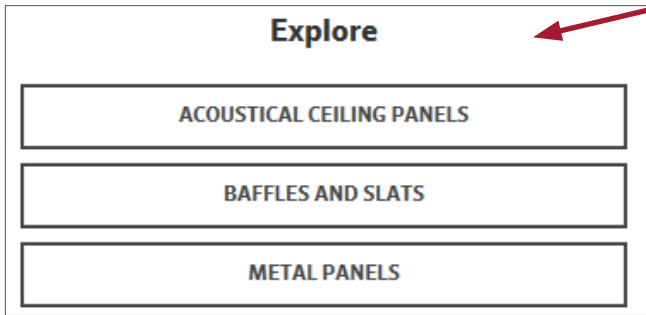
Create Ceiling

If you like the product shown and would like to add it to your model, hover over the image and select **Create Ceiling** to start designing with it.

Learn More

This will take you to the product's detail page, where you can learn more about the product.

03 Explore



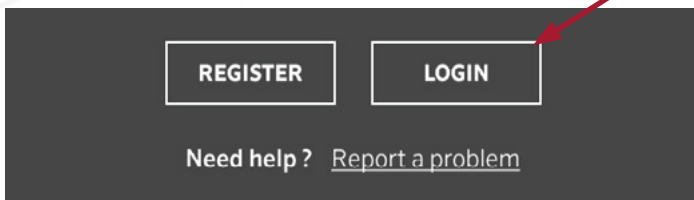
Explore

Here you will find a list of product categories.

Selecting a category will take you to the category main page which will give you a list of products that can be added to your model.

This will expand as more products are added to the plugin.

04 Registration and Help Center

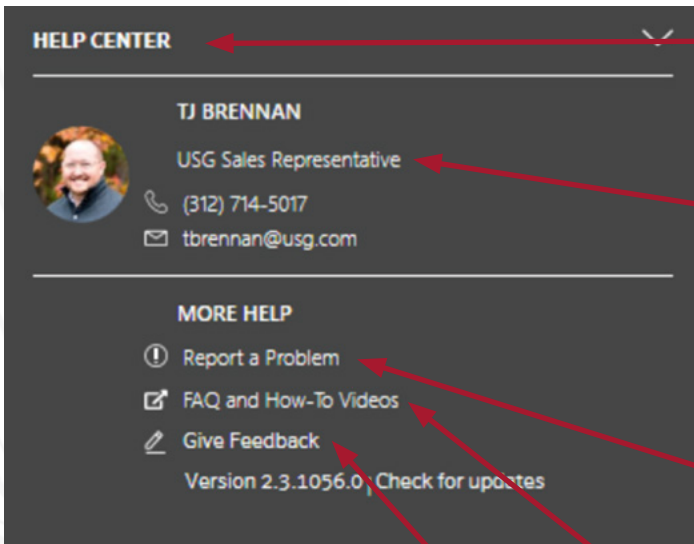


Register or Sign in

You may browse through the products without registration.

However, you will need to be registered and signed in to create and edit USG ceilings, download custom specifications or download budgetary pricing.

You will only need to sign in once



Help Center

After you register, this section in the plug-in will become the Help Center, as shown below.

USG Sales Rep

This will be your main point of contact for any questions you may have about USG products. **For USG Ceiling Technix™-specific issues or feedback, contact support using the Report a Problem or Give Feedback forms in the Help Center.*

Report a Problem

For the fastest resolution, use this form to report any technical issues encountered while using the plug-in.

FAQs and How-To Videos

Here you can find how-to videos and answers to some of the most frequently asked questions.

This will also take you to the [Support Center](#).

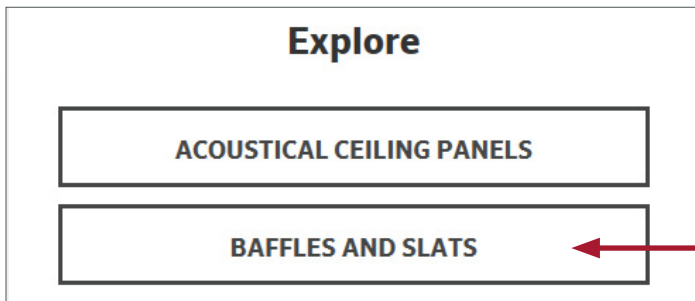
Give Feedback

Use this form to request products, ask a question, suggest improvements or give a compliment. Our product team regularly reviews and prioritizes issues, features and products based on your input.

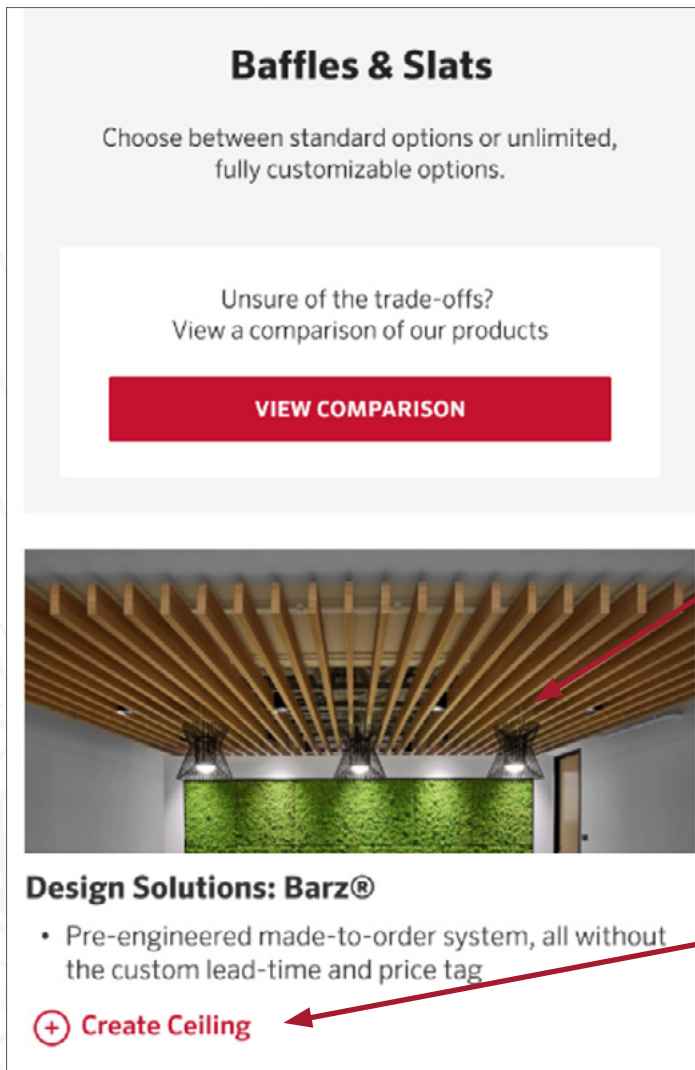
Designing with Design Solutions-Barz® (baffles)

To design with Design Solutions-Barz® using USG Ceiling Technix™, do the following:

1. From the Ceiling Technix™ home page, go to the Explore section and select **Baffles and Slats**.



2. From the Baffles & Slats page select the desired product. Selecting **Create Ceiling** will allow you to start designing.



Product Image

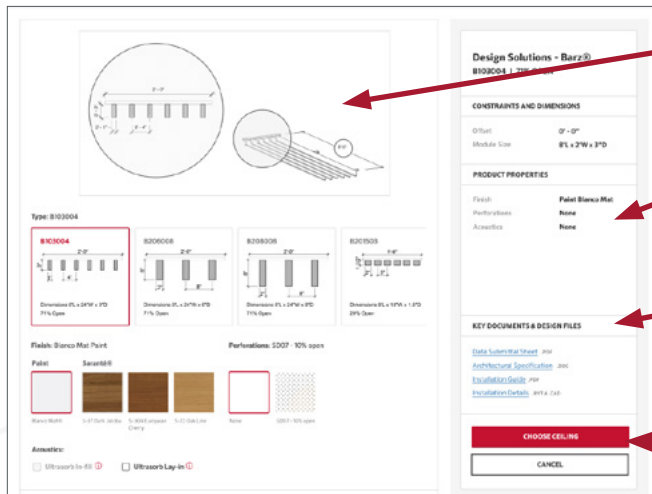
Selecting the product image will take you to the product's detail page, which includes more technical information, product gallery and key documents for this product.

Create Ceiling

Selecting **Create Ceiling** will allow you to start designing.

01 Creating a Ceiling: Barz® (baffles)

1. After you've selected **Create Ceiling** from the Baffles & Slats page, you will get a pop-up where you can customize the product as you like, or just use the defaults and select the button.



Product Details Dialog Box

This area is where you customize your baffle design requirements.

Selection Summary

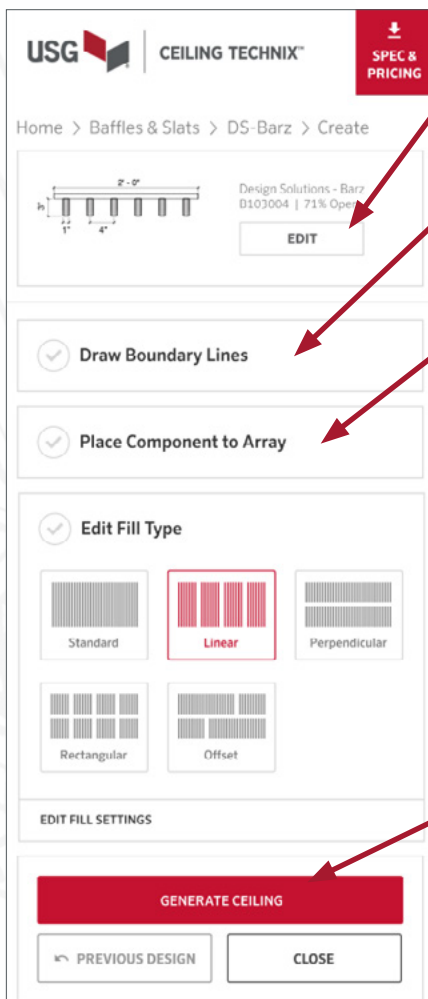
This is a summary of your customized Design Solutions-Barz® ceiling.

Key Documents & Design Files

This is where you can view and download technical documents for the currently specified product.

Choose Ceiling

2. After selecting **Choose Ceiling**, the pop-up above will close and the following USG Ceiling Technix™ dock pane will open and show options on how to complete your ceiling. You'll need to draw your boundary lines and place your anchor component on a work plane or specific face, e.g. underside of a structure, ceiling or wall.



Edit

Select **Edit** to open the Design Solutions-Barz® Products Details dialog and change the details of the selected product.

Draw Boundary Lines

This step allows you to create the outline of your ceiling. After creating a closed region, it will highlight in red.

Anchor Component

This step allows you to place a Revit family instance of the product based on your previous customization. The placement of the component will determine your pattern orientation. Once you click on this step, you will see options to either place your component on a face or on a work plane.

Place on Face: Allows you to place the component on ceilings, walls or underside of structure

Place on Workplane: Allows you to place the component on an angled work plane or in a project where you have no ceiling or underside of structure

USG Ceiling Technix™ will fill the selected area around the initially place anchor component and trim the baffles at the boundary lines.

Generate Ceiling

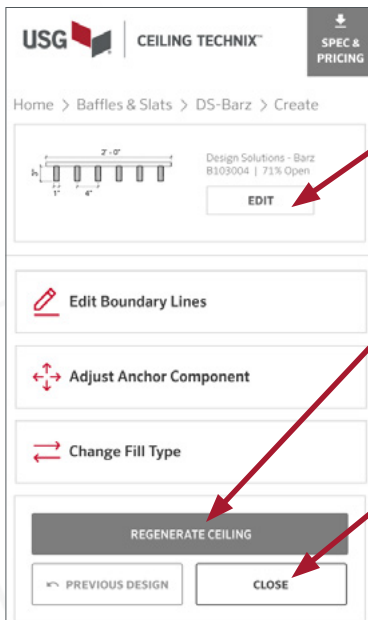
Once you have specified your boundary lines, placed your anchor component on a face/work plane and specified your fill type, the **Generate Ceiling** button will become enabled and turn red.

Selecting this button will initiate the process of arraying your baffle ceiling per your specifications. Technix™ will automatically trim around any columns, walls, cutouts and mechanical systems that are in the path of your baffles and within your specified boundary.

02 Iterating on a Design: Barz® (baffles)

Within the same session (while ceiling is still pre-selected):

After your baffle ceiling has been generated in your model, the ceiling will be pre-selected and the options in the USG Ceiling Technix™ dock pane will change to allow you to edit product properties and boundary lines, adjust your anchor component, or change fill type and regenerate your ceiling design in your model to match your new specifications.



Edit

Use the **Edit** button to make changes to the finish, offset and profile. You can also change your boundary lines, add cutout, and change the placement of your anchor component and/or fill type from this page.

Regenerate Ceiling

If at least one item is modified, the **Regenerate Ceiling** button becomes enabled (turns to red). Select the button to see the new design.

You can regenerate the ceiling as many times as you want.

Once you are done iterating on your design, select the **Close** button to finish the process.

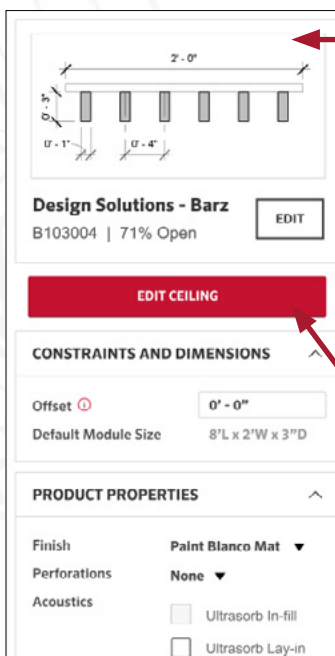
This process is like the Quick Live Edit Page section below.

03 Quickly Editing a Previously Created Ceiling: Barz® (baffles)

If you've generated your ceiling and closed out of the previous step, you can make quick changes by selecting the ceiling you want to edit in Revit. This will activate the Live Edit page for that specific product.

The example shown below is for Design Solutions-Barz®.

Design Solutions-Barz®: Quick Live Edit Page



Pre-Populated

When you manually select a ceiling created with USG Ceiling Technix™, this page will appear in the dock pane, with the options of the selected ceiling pre-populated.

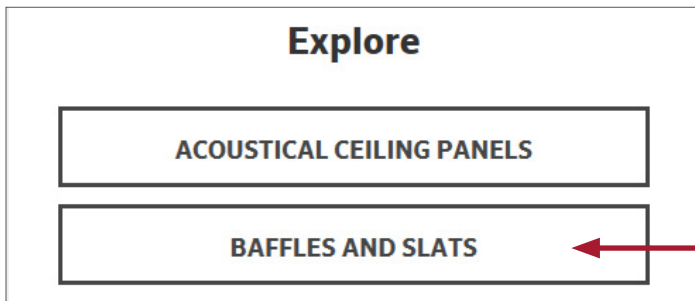
1. Selecting any Design Solutions-Barz® ceilings (designed with USG Ceiling Technix™) in your model will take you to this page for that product.
2. Select the product properties (e.g. finish) and constraints (e.g. offset) you want quickly updated in your model.
3. Clicking outside of the dock pane will apply changes.

Note: If you want to make more extensive design changes (e.g. update boundary lines, work plane anchor cassette and placement) you can click on the **Edit Ceiling** button from this page.

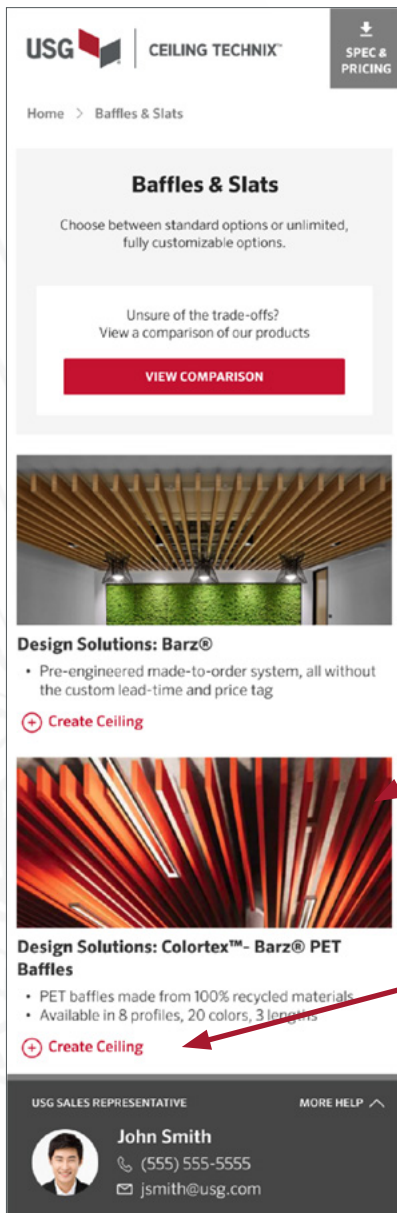
Designing with Design Solutions-Colortex™ Barz® (PET baffles)

To add Design Solutions-Colortex Barz® to your model, do the following:

1. From the Ceiling Technix™ home page, go to the Explore section and select **Baffles and Slats**.



2. From the Baffles & Slats page select the desired product. Selecting **Create Ceiling** will allow you to start designing.



Product image

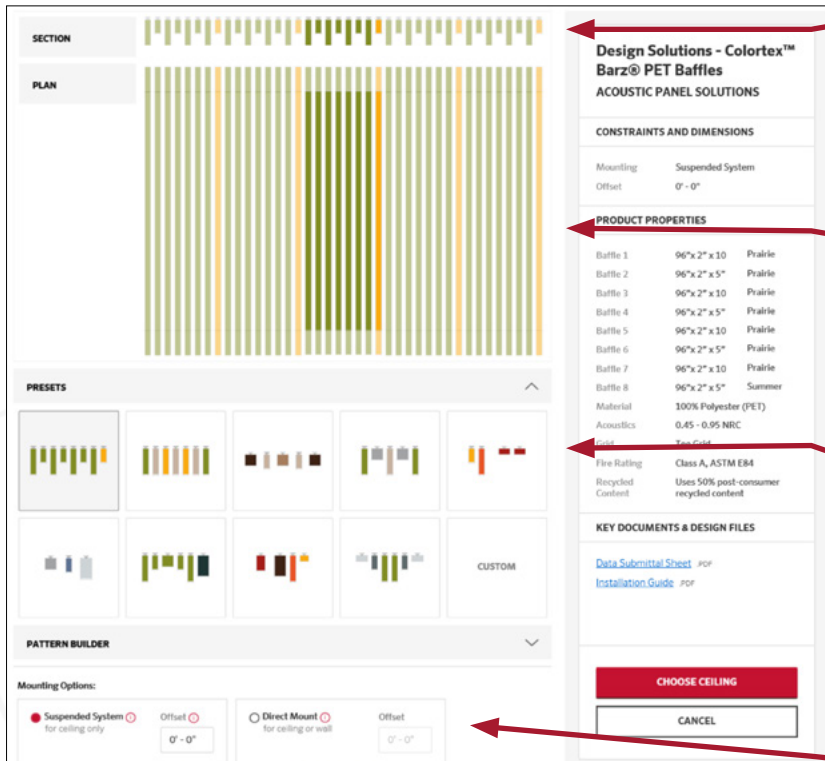
Selecting the product image will take you to the Product Details page, which includes more helpful information, product gallery and key documents for this product.

Create Ceiling

Selecting **Create Ceiling** will open the Design Solutions-Colortex™ Barz® dialog, so you can start customizing your ceiling.

01 Creating a Ceiling: Colortex™ Barz®

1. In the **Design Solutions-Colortex™ Barz®** dialog, customize the products as you would like or just use the defaults then select the **Choose Ceiling** button.



Section

The Section area shows the baffle pattern you have created with Design Solutions-Colortex™ Barz® in elevation. The highlighted area is the pattern that is repeated.

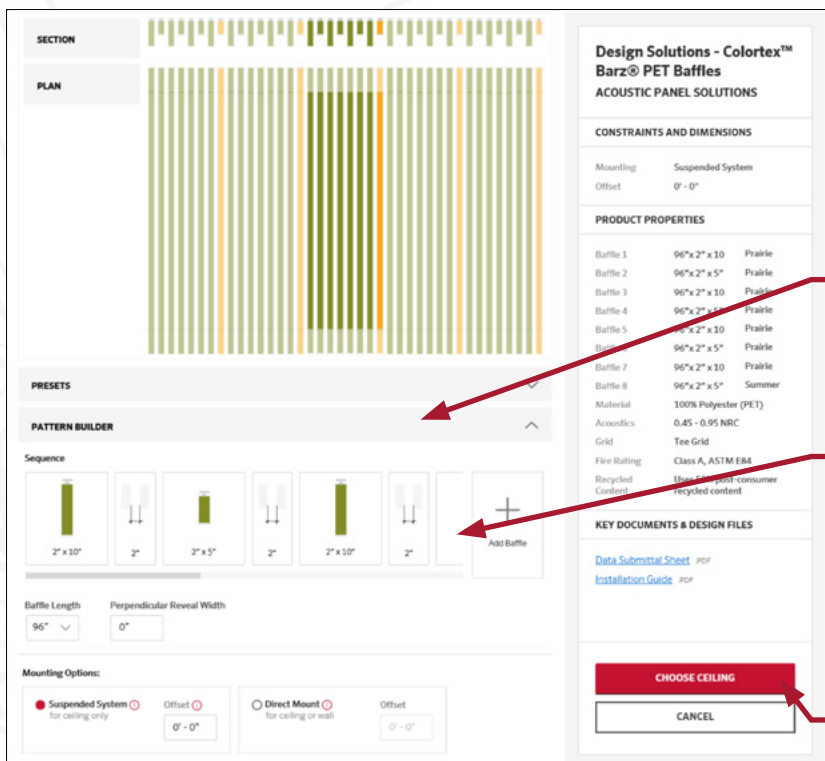
Plan

The plan area shows a preview of baffle pattern you have designed with Design Solutions-Colortex™ Barz® in plan view. The highlighted area is the pattern that is repeated.

Presets

The Presets area allows you to pick from a list of popular patterns mixing and matching different colors and baffle profiles. Use the presets as a starting point and use the pattern builder to further customize the baffle length, profiles, gaps, and colors to meet our design intent.

Mounting Options



This section allows you to specify if you would like your baffles to be a suspended system or direct mounted. By default, a suspended system will be selected.

If you select a suspended system, you will also be able to customize the offset.

Pattern Builder

Use the Pattern Builder to create your own unique Design Solutions-Colortex™ Barz® ceiling design from scratch.

Expanding the carrot will reveal more customization options and allow you to pick each baffle in your pattern and make more extensive updates, e.g. customize the length from the options available as well as the perpendicular reveal width.

Choose Ceiling

When you are done select **Choose Ceiling** to proceed to the next step.

2. After selecting **Choose Ceiling** in the Design Solutions-Colortex™ Barz® dialog the Design Solutions-Colortex™ Barz® Creation page will appear in the USG Ceiling Technix™ dock pane.

From this page, you will need to select your boundary line and place your component in order for your ceiling to be generated. The **Generate Ceiling** button will be grey and disabled until you have at least defined your boundary line and placed an anchor component. Once you have specified your boundary lines, placed your anchor component on a face/work plane, and specified your fill type, the **Generate Ceiling** button will become enabled and turn red.

Clicking on the enabled **Generate Ceiling** button will array the ceiling pattern you defined with the selected boundary lines, while auto-trimming around lights, columns, cutouts, and HVAC systems that are in the path of the baffles.

Summary
This section is a summary of what was selected in the Design Solutions-Colortex™ Barz® dialog.

Edit
Select **Edit** to open the Design Solutions-Colortex™ Barz® dialog and change the details of the selected product.

Draw Boundary Lines
This step allows you to create or pick the outline of your ceiling. After creating a closed region, it will highlight in red.

Place Anchor Component
This step allows you to place a Revit family instance of the product based on your previous customization. The placement of the component will determine your pattern orientation.

Place on Face: Allows you to place the component on ceilings, walls or underside of structure.

Place on Workplane: Allows you to place the component on an angled work plane or in a project where you have no ceiling or underside of structure.

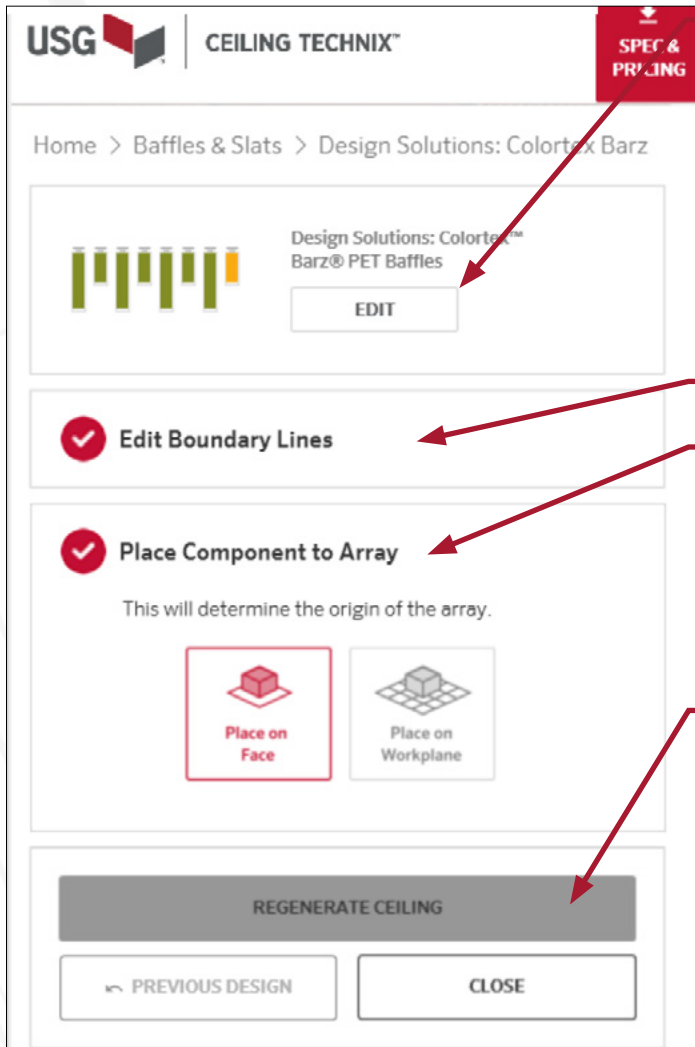
After placing your anchor component, it will highlight in red.

Generate Ceiling
This button will be grey until you have defined your boundary and placed an anchor component. Selecting the **Generate Ceiling** button when it's enabled (i.e. red) will initiate the process of arraying your baffle ceiling per your specifications. USG Ceiling Technix™ will fill the selected area around the initially placed anchor component and automatically trim around any columns, walls, cutouts, lights, and mechanical systems that are in the path of your baffles and within your specified boundary.

02 Iterating on a Design: Colortex™ Barz®

Within the same session (while the ceiling is still pre-selected):

After your baffle ceiling has been generated in your model, the ceiling will be pre-selected and the options in the USG Ceiling Technix™ dock pane will change to allow you to edit the boundary line or adjust the anchor component and regenerate your ceiling design in your model to match your new specifications.



Use the **Edit** button to make changes to the pattern, offset or mounting type of the selected ceiling.

You can change your boundary lines, add a cutout or change the placement of your anchor component from this page.

Once at least one item in the selected ceiling has been modified, the **Regenerate Ceiling** button becomes enabled (turns to red). Select the **Regenerate Ceiling** button to see the new design arrayed in your model.

You can regenerate the ceiling as many times as you want.

Once you are done iterating on your design, select the **Close** button to finish the process.

If you need to make further changes after selecting close, you will need to follow the edit flow below.

03 Quickly Editing A Previously Created Ceiling: Colortex™ Barz®

If you've generated your ceiling and closed out of the previous step, you can make quick changes by selecting the ceiling you want to edit in Revit. This will activate the Live Edit page for that specific product.

The example shown below is for the Design Solutions-Colortex™ Barz®.

Design Solutions-Colortex™ Barz®: Quick Live Edit Page

Design Solutions - Colortex™ Barz® PET Baffles
ACOUSTIC PANEL SOLUTIONS

CONSTRAINTS AND DIMENSIONS

Mounting	Suspended System
Offset	0' - 0"

PRODUCT PROPERTIES

Baffle 1	96"x 2" x 10	Prairie
Baffle 2	96"x 2" x 5"	Prairie
Baffle 3	96"x 2" x 10	Prairie
Baffle 4	96"x 2" x 5"	Prairie
Baffle 5	96"x 2" x 10	Prairie
Baffle 6	96"x 2" x 5"	Prairie
Baffle 7	96"x 2" x 10	Prairie
Baffle 8	96"x 2" x 5"	Summer
Material	100% Polyester (PET)	
Acoustics	0.45 - 0.95 NRC	
Grid	Tee Grid	
Fire Rating	Class A, ASTM E84	
Recycled Content	Uses 50% post-consumer recycled content	

KEY DOCUMENTS & DESIGN FILES

[Data Submittal Sheet](#) .PDF
[Installation Guide](#) .PDF

CHOOSE CEILING

CANCEL

When you manually select a Design Solutions-Colortex™ Barz® ceiling created with USG Ceiling Technix™, this page will appear in the dock pane, with the options of the selected ceiling pre-populated.

If you select a suspended ceiling system, the offset will be visible from this Quick Live Edit view.

If you selected a direct mount system, you won't be able to edit the offset.

Use the drop-downs to change the specific baffle(s) finish(es) that you want to update.

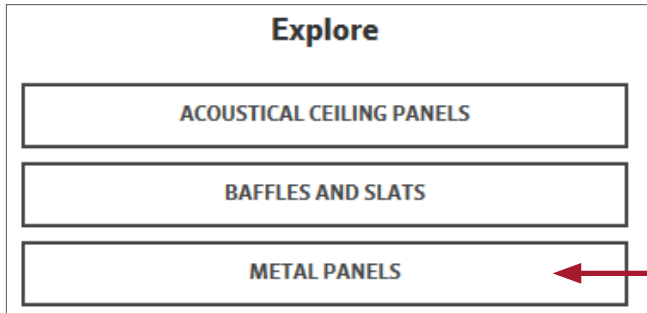
Clicking outside of the dock pane will apply changes.

Note: If you want to make more extensive design changes (e.g., update boundary lines, change the pattern, mounting option, anchor cassette, and placement) you can use the **Edit Ceiling** button and then follow earlier Regenerate Ceiling flow.

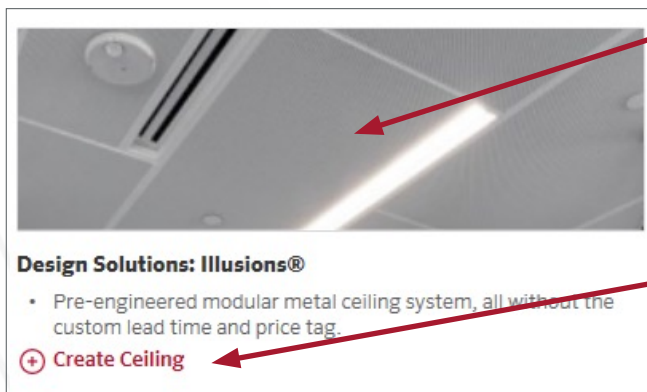
Designing with Design Solutions-Illusions®

To add **Design Solutions-Illusions®** to your model, do the following:

1. From the Ceiling Technix™ home page select **Metal Panels** from the Explorer section.



2. From the Metal Panels page select the desired product. Selecting **Create Ceiling** will open the Design Solutions-Illusions® dialog, so you can start customizing your ceiling.



Product Image

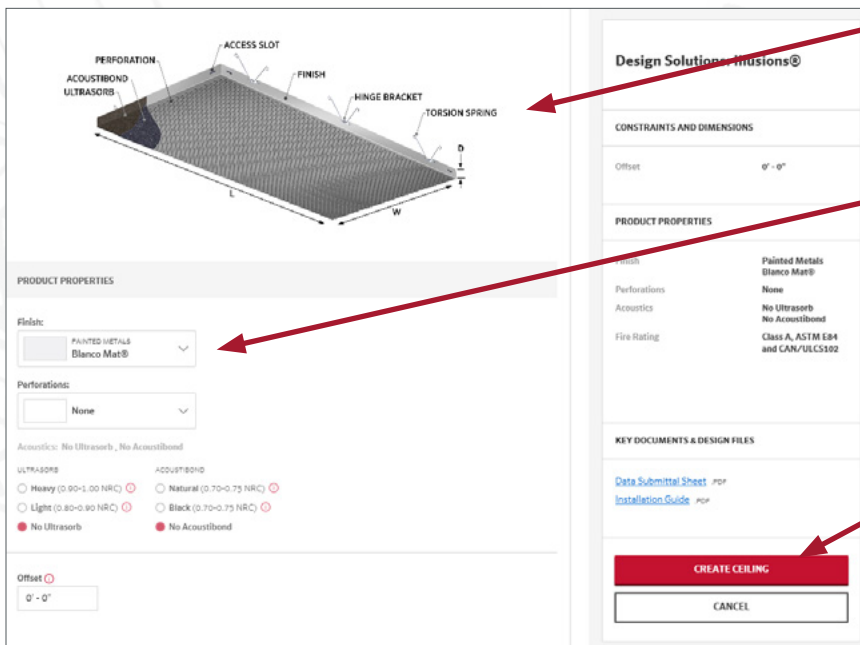
Selecting the **product image** will take you to the Product Details page, which includes more helpful information, product gallery, and key documents for this product.

Create Ceiling

Selecting **Create Ceiling** will open the Design Solutions-Illusions® dialog, so you can start customizing your ceiling.

01 Creating a Ceiling: Illusions®

1. In the Design Solutions-Illusions® dialog, customize the products as you would like or just use the defaults, and then select the **Create Ceiling** button.



Product Details

The Product Detail area shows the component and dimensional details of a single Illusions® panel.

Properties

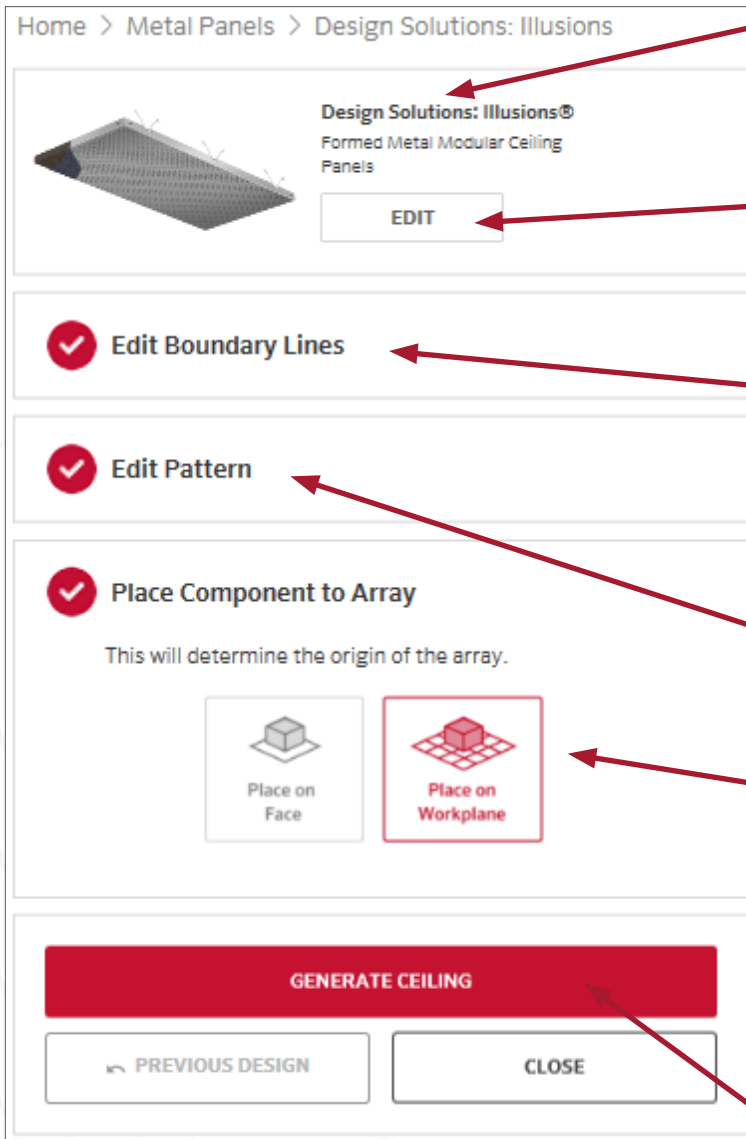
In the Properties section, customize your ceiling by selecting the:

- a) Product finish
- b) Style of perforation (rendered perforations coming soon)
- c) Desired acoustics

Create Ceiling

When you have all the settings as you like select **Create Ceiling** to close the dialog and activate the Illusions® Creation page.

2. After selecting **Choose Ceiling** in the Illusions® dialog, the Design Solutions-Illusions® Creation page will activate in the USG Ceiling Technix™ dock pane, where you can finish adding the Illusions® products to your model.



Summary

This section is a summary of what was selected in the Design Solutions-Illusions® dialog.

Edit

Select **Edit** to open the Design Solutions-Illusions® dialog and change the details of the selected product.

Edit Boundary Lines

Here you will be taken to the Revit standard Create Filled Region Boundary process. After creating a region using the standard Revit tools the application displays the region in red.

Edit Pattern

Selecting this will open the Metal Panels pattern editor. See the section below for details.

Anchor Component

Here Ceiling Technix™ will create a Revit family instance of the Metal Panels product based on your selection in the Product Details dialog and allow you to place the newly created component in a region. Ceiling Technix™ will fill the selected area around the initially placed “anchor” based on the pattern selected in the pattern editor.

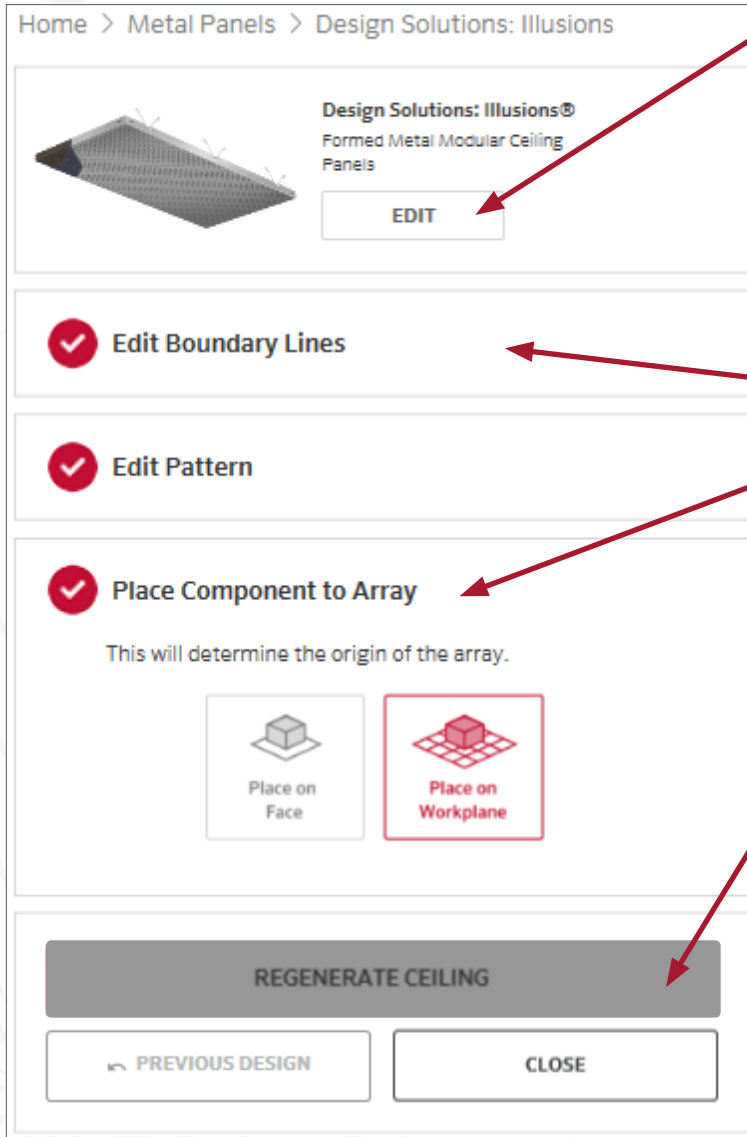
Generate Ceiling

Once you click this button, Ceiling Technix™ will fill the defined area based on the anchor component and populate your ceiling, automatically trimming around walls, columns, lights, and mechanical systems that are in the same plane as the ceiling and within those boundary lines.

02 Iterating on a Design: Illusions®

Within the same session (while the ceiling is still pre-selected):

1. After your baffle ceiling has been generated in your model, the options in the USG Ceiling Technix™ dock pane will allow you to edit the boundary lines and pattern or adjust the anchor component and regenerate your ceiling design in your model to match your new specifications.



Edit

Use the **Edit** button to make changes to the pattern, offset or mounting type of the selected ceiling.

Edit Design

You can change your boundary lines, add a cutout or change the placement of your anchor component from this page.

Regenerate Ceiling

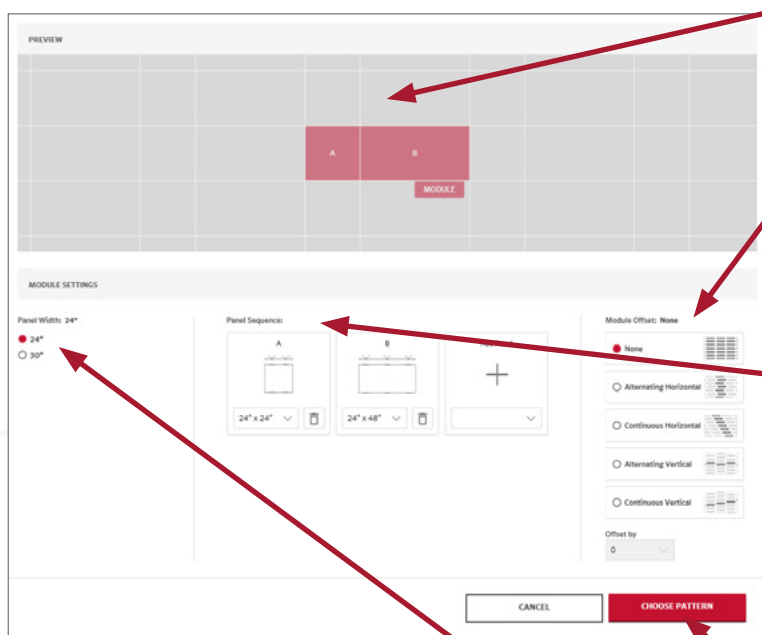
Once at least one item in the selected ceiling has been modified, the **Regenerate Ceiling** button becomes enabled (turns to red). Select the **Regenerate Ceiling** button to see the new design arrayed in your model.

You can regenerate the ceiling as many times as you want.

Once you are done iterating on your design, select the **Close** button to finish the process.

If you need to make further changes after selecting close, you will need to follow the edit flow below.

2. Selecting **Edit Pattern** in the Design Solutions-Illusions® Creation page will start the Pattern Selector dialog. Here is where you would select the panel pattern to be generated. When you have all the settings as you like select **Choose Pattern** to close the dialog and return to the USG Ceiling Technix™ dock pane.



Preview

The section lets you see how your pattern will look in a larger space as you adjust modules and offsets.

Module Offset

Selecting different offsets will change the grid pattern in the Preview section. Feel free to experiment.

Panel Sequence

This is the number and type of panels in the primary module (shown in red in Preview section). Here you can:

- a) Add panels
- b) Change panel lengths
- c) Delete panels

Choose Pattern

When you have all the settings as you like select **Choose Pattern** to close the dialog and return to the Illusions® Creation page.

Panel Widths

All panels in the pattern must be the same width.

03 Quickly Editing a Previously Created Ceiling: Illusions®

If you've generated your ceiling and closed out of the previous step, you can make quick changes by selecting the ceiling you want to edit in Revit. This will activate the Live Edit page for that specific product. The example shown below is for the Design Solutions-Illusions®.

Design Solutions-Barz®: Quick Edit Page:

Home > Metal Panels > DS - Illusions Type Details

Design Solutions: Illusions®

EDIT CEILING

CONSTRAINTS AND DIMENSIONS

Offset ⓘ 0' - 0"

PRODUCT PROPERTIES

Finish: Blanco Mat®

Perforations: None

Acoustics: No Ultrasorb

Acoustics: No Acoustibond

Fire Rating: Class A, ASTM E84 and CAN/ULCS102

KEY DOCUMENTS & DESIGN FILES

[Data Submittal Sheet .PDF](#)

[Installation Guide .PDF](#)

Pre-Populated

When you manually select a Design Solutions-Illusions® Ceiling created with USG Ceiling Technix™, this page will appear in the dock pane, with the options of the selected ceiling pre-populated.

The summary allows you to see what product was selected for editing.

Edit Ceiling

The **Edit Ceiling** button will open the Product Detail dialog allowing you to make detailed changes to the selected product.

Property Settings

Make any required property changes and then move your mouse away from the Live Edit page to see the changes.

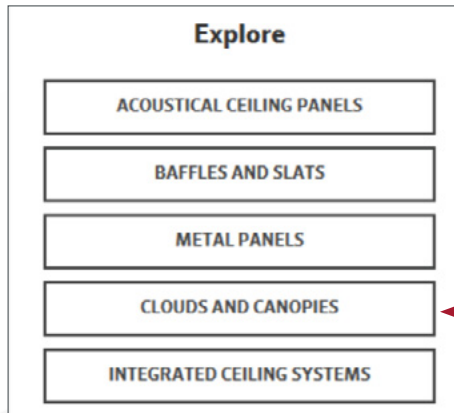
Key Documents & Design Files

Download technical documents for the selected product.

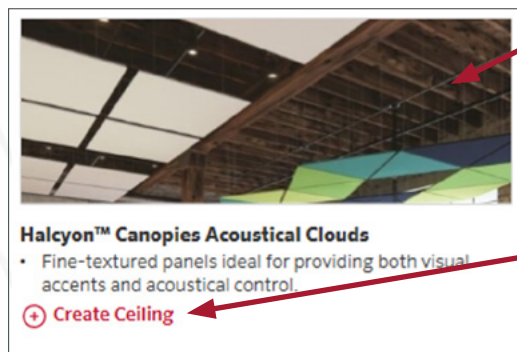
Designing with Halcyon™ Canopies

To add **Halcyon™ Canopies** to your model, do the following:

1. From the Ceiling Technix™ home page, select **Clouds and Canopies** from the Explorer section.



2. From the Clouds & Canopies page select the desired product. Selecting **Create Ceiling** will take you to the Halcyon™ Canopies Creation panel, where you can start adding shapes and patterns to the model.



Product Image

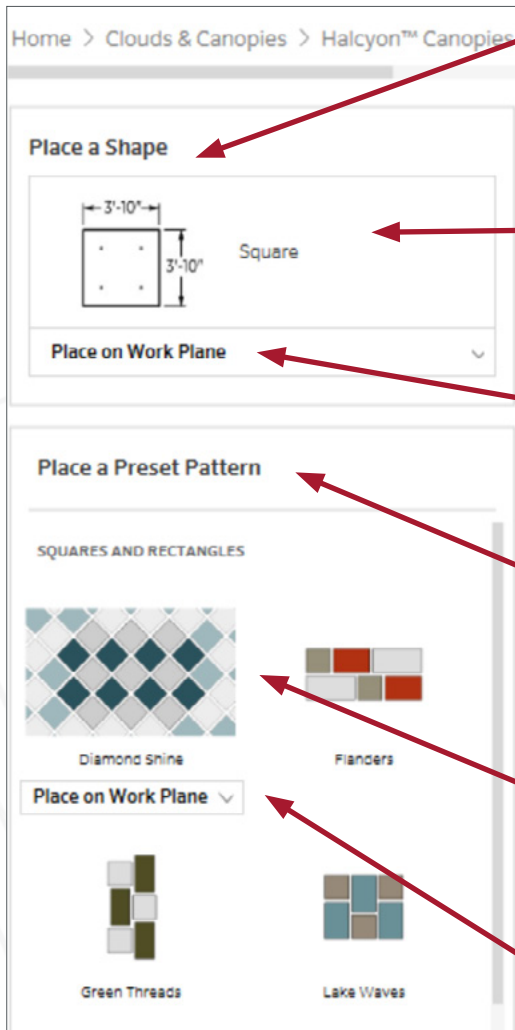
Selecting the product image will take you to the Product Details page, which includes more helpful information, a product gallery and key documents for this product.

Create Ceiling

Selecting **Create Ceiling** will take you to the Halcyon™ Canopies Creation panel, where you can start adding shapes and patterns to your model.

01 Creating a Ceiling: Halcyon™ Canopies

1. The Halcyon Canopies™ Creation pane has two sections: 1) **Place a Shape**, where you can place individual Halcyon™ components, and 2) **Place a Preset Pattern**, where, as the name suggests, you can place some of our more popular patterns.



Place a Shape

In this section of the Halcyon Canopies™ Creation pane, you can place individual components. Feel free to experiment with different shapes to create the unique pattern that fits your requirements.

Components

Selecting the component will open the Component Editor dialog, where you can change the shape, color and offset of the component before adding to the model.

Place on ...

Before selecting the component to add to the model, first select where you want to place the component: on a Work Plane, or on the Face of an existing element.

Place a Preset Pattern

In this section of the Halcyon™ Canopies Creation pane you can place some of our favorite preset patterns. Feel free to experiment with placing different patterns to create the unique ceiling that fits your requirements.

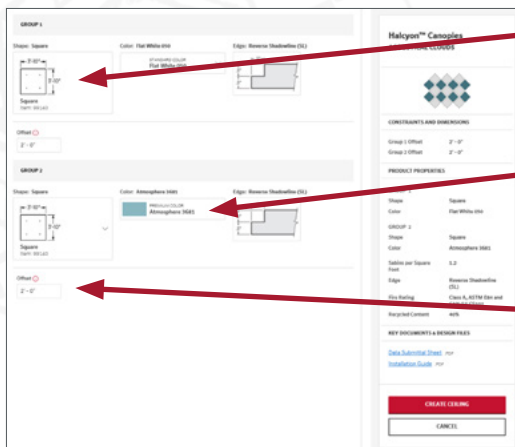
Pattern

Selecting a pattern will open the Pattern Editor dialog, where you can change the pattern's color scheme before adding it to the model.

Place on ...

Hovering over the pattern will allow you to select where to place the pattern: on a Work Plane, or on the Face of an existing element.

2. After you select an individual Halcyon™ component the Component Editor box will appear, allowing you to edit the color or shape of the selected element. After selecting a Halcyon™ pattern, the Component Editor box will appear, allowing you to edit the color scheme of the pattern. After selecting the desired shapes and colors, select **Create Ceiling** to add the selected pattern to the model.



Shape

Selecting the shape will present you with a list of available shapes to choose from.

Color

Selecting the color will present you with a list of available colors to choose from.

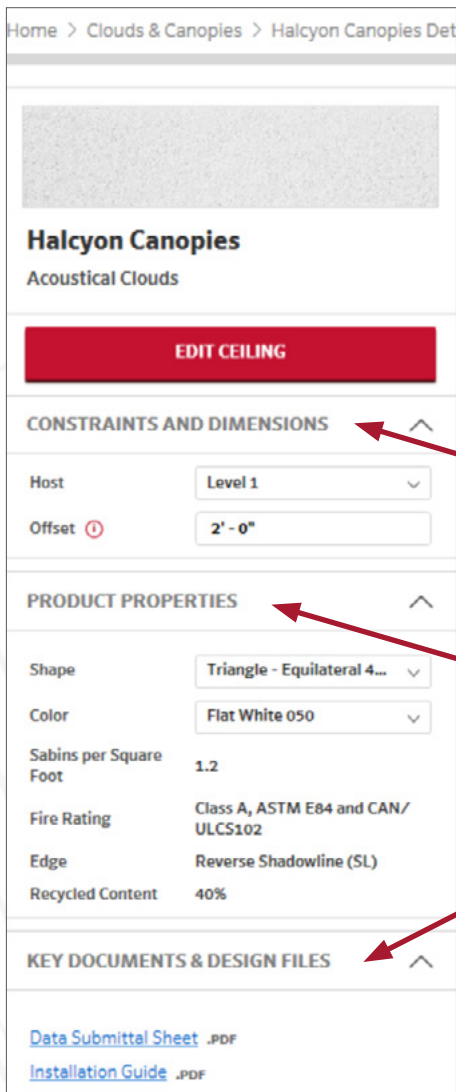
Offset

The offset is the distance the ceiling drops from the element it is connected to.

02 Quick Live Edit Page: Halcyon™ Canopies

Selecting any of the USG products in your model will take you to the Live Edit page for that product.

The Live Edit page works in much the same way as the Revit instance properties. Your changes will not take effect until you move your mouse to another area of the Revit user interface, and it only affects the selected products.



Edit

The **Edit Ceiling** button will open the Product Detail dialog, allowing you to make detailed changes to the selected product.

Constraints and Dimensions

If you placed your Halcyon™ component on a level, you can change the level. Make any required constant changes and then move your mouse away from the Live Edit page to see the changes.

Product Properties

Make any required property changes and then move your mouse away from the Live Edit page to see the changes.

Key Documents & Design Files

Download technical documents for the selected product.

03 Adding a Ceiling Based on an Existing Ceiling: Halcyon™ Canopies

If your model contains existing USG ceilings, you can use the existing ceiling as a starting point to create more ceilings. To add a new ceiling based on an existing ceiling do the following:

1. Select the ceiling you want to start with. Once you have selected the ceiling, the Ceiling Technix™ Live Edit page will activate (see Ceiling Technix™ Live Edit page section for details). Changing anything on the Live Edit page while a ceiling is selected will change the selected ceiling. However, deselecting the ceiling (by pressing Esc) will put the Live Edit page into Creation mode.
2. Select the **Create Ceiling** button to start the ceiling creation process and to open the Ceiling Detail dialog with pre-selected values based on the currently selected USG ceiling. See the Add Ceiling section for details.



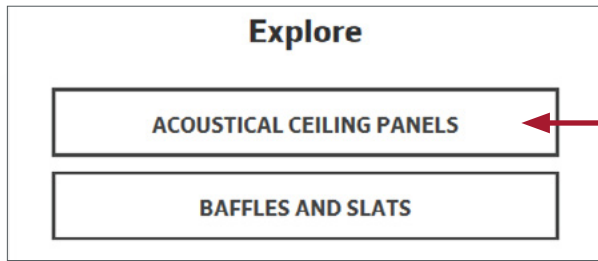
Create Ceiling

Deselecting the product while in Live Edit mode will put the Live Edit page into Create mode.

Creating Acoustic Ceiling Tiles (ACT)

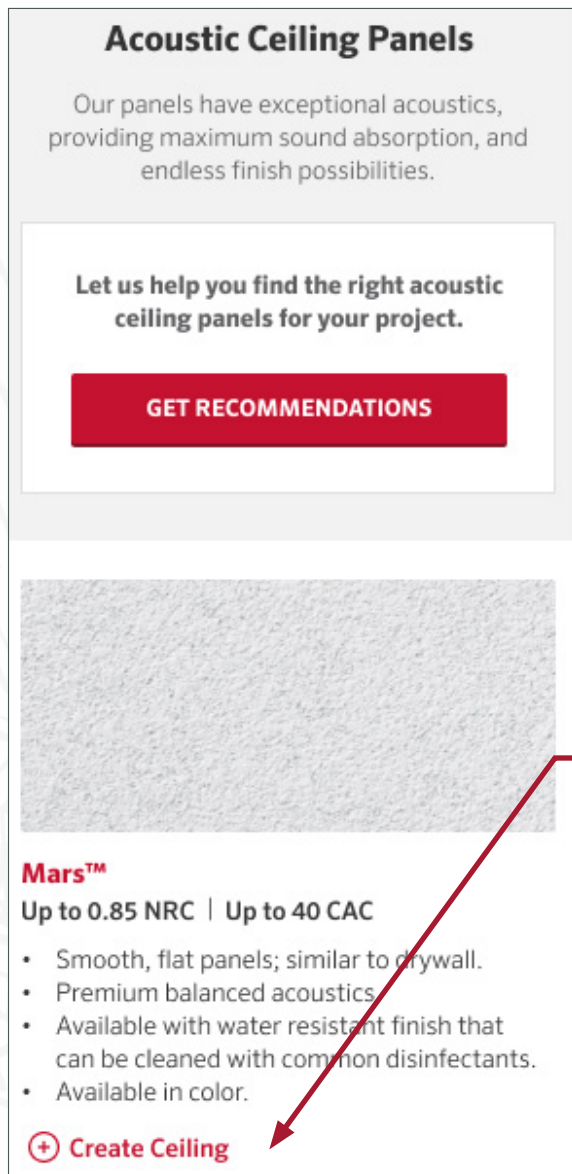
To add customized USG Acoustic Ceiling Panels products to your model, do the following:

1. From the USG Ceiling Technix™ home page select **Acoustical Ceiling Panels** from the Explore section.



2. From the Acoustical Panels category select the desired product.

Selecting the product image or the **Create Ceiling** link will direct you to customize your ACT ceiling.



The image shows a screenshot of the 'Acoustic Ceiling Panels' product page. At the top, the title 'Acoustic Ceiling Panels' is displayed. Below the title is a paragraph: 'Our panels have exceptional acoustics, providing maximum sound absorption, and endless finish possibilities.' Underneath is a white box with the text 'Let us help you find the right acoustic ceiling panels for your project.' and a red button labeled 'GET RECOMMENDATIONS'. Below this is a large image of a white acoustic ceiling panel. At the bottom left, the product name 'Mars™' is shown, followed by 'Up to 0.85 NRC | Up to 40 CAC'. A list of features follows: 'Smooth, flat panels; similar to drywall.', 'Premium balanced acoustics', 'Available with water resistant finish that can be cleaned with common disinfectants.', and 'Available in color.' At the bottom left, there is a red circular icon with a white plus sign and the text 'Create Ceiling'. A red arrow points from this icon to the 'Create Ceiling' text block on the right.

Create Ceiling

Each product in the product list will have a **Create Ceiling** link. Using the link will start the Create Ceiling process and open a pop-up (shown on the next page) for customization.

3. Customize your product selections in the ACT details popup below as needed. Then select the **Create Ceiling** button.

Product Subcategory

Changing the Product Subcategory (on the left) will update the ACT options (on the right).

Selection Summary

This is a summary of your customized ACT ceiling.

Product Subcategory

Product: Mars High-CAC & High-NRC

MARS HIGH-CAC & HIGH-NRC
0.60 - 0.90 NRC | 30 - 40 CAC
Panels with excellent noise reduction, superior mold- and sag-resistance and high light reflectance.

MARS HEALTHCARE
0.60 - 0.90 NRC | 30 - 40 CAC
Panels with a water-repellent membrane designed to be durable and safe with common disinfectants.

MARS ACOUSTICAL PANELS
0.70 - 0.75 NRC | 30 - 35 CAC
Sustainable aesthetics and high performance. These acoustical ceiling tiles are also mold- and sag-resistant.

Type: High-NRC Panels

HIGH-NRC PANELS
0.80-0.90 NRC | 30-35 CAC

HIGH-CAC PANELS
0.60 NRC | 40 CAC

HIGH-NRC & HIGH-CAC PANELS
0.80 NRC | 40 CAC

Acoustics: 0.80 NRC | 35 CAC
● 0.80 NRC | 35 CAC
○ 0.85 NRC | 35 CAC
○ 0.90 NRC | 30 CAC

Panel Size: 2' x 2' x 7/8"
● 2' x 2' x 7/8"
○ 2' x 4' x 7/8"

Edge: Square
SQ FLB

Color: White 050

Grid: USG DXW™
USG DXW™ USG DXW™ USG DXW™ USG DXW™
USG 44™

Level: Level 1
Height Offset from Level: 0' - 0"

Selection Summary

Mars High-CAC & High-NRC HIGH-NRC PANELS

CONSTRAINTS AND DIMENSIONS

Level	Level 1
Height Offset from Level	0' - 0"

PRODUCT PROPERTIES

Acoustics	0.85 NRC 35 CAC
Panel Size	2'L x 2'W x 7/8"D
Edge Profile	Square
Color	White 050
Grid	USG DXW™
Light Reflectance	0.90 LR
Recycled Content	68%
Embodied Carbon	0.785 kg CO ₂ /ft ²

KEY DOCUMENTS & DESIGN FILES

- [Data Submittal Sheet .PDF](#)
- [Architectural Specification .DOC](#)
- [Installation Guide .PDF](#)
- [Installation Details .RVT & .CAD](#)

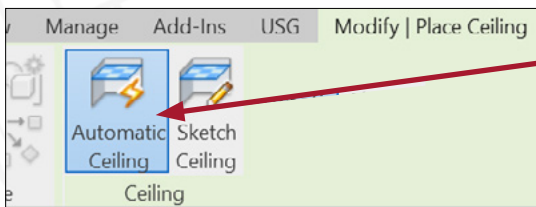
CREATE CEILING

CANCEL

Key Documents & Design Files

This is where you can view and download technical documents for the currently specified product.

4. After selecting **Create Ceiling**, the application will start the standard Revit Ceiling command and guide you through designing your ceiling boundary.



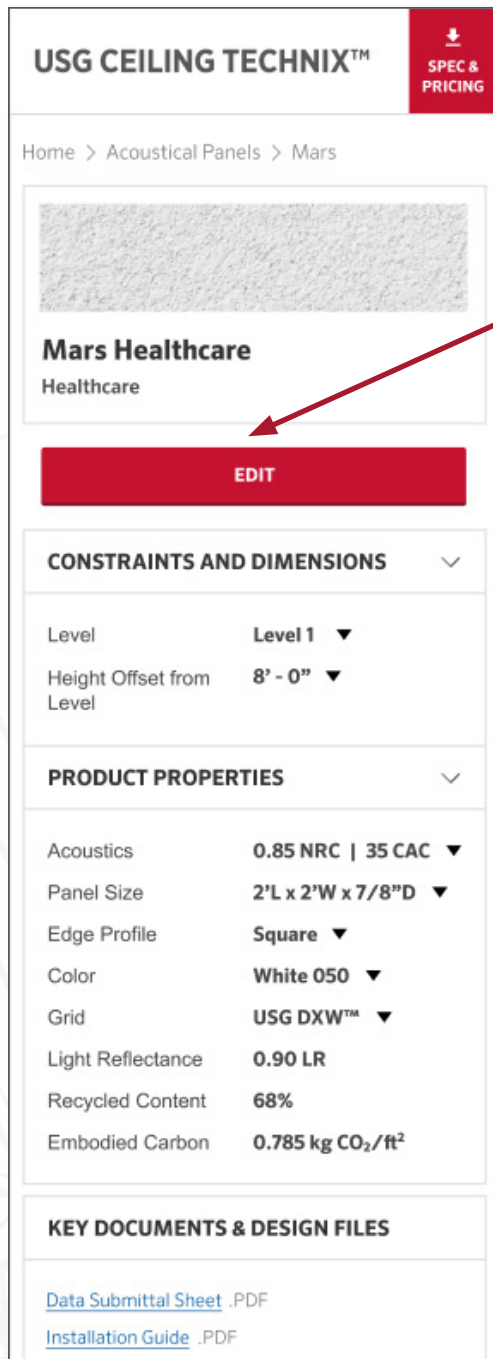
Revit Ceiling

The application waits for you to place ceilings. You can use either **Automatic Ceiling** or **Sketch Ceiling**.

5. Once you have completed drawing your boundary, the USG Ceiling Technix™ plug-in will then pre-select the newly created USG Family Ceiling design and open the ACT Edit page (see next page).

01 Editing and Customizing ACT

After creating your ACT ceiling, it will be automatically selected, and you will be able to quickly update the offset and product properties from this page. To change the boundary of the ceiling, select **Edit**.



The screenshot shows the product page for 'Mars Healthcare' under the 'USG CEILING TECHNIX™' brand. The page includes a breadcrumb trail (Home > Acoustical Panels > Mars), a product image, and a red 'EDIT' button. Below the button are sections for 'CONSTRAINTS AND DIMENSIONS' and 'PRODUCT PROPERTIES', each with expandable dropdown menus. The 'CONSTRAINTS AND DIMENSIONS' section shows 'Level' set to 'Level 1' and 'Height Offset from Level' set to '8' - 0"'. The 'PRODUCT PROPERTIES' section lists various specifications such as 'Acoustics' (0.85 NRC | 35 CAC), 'Panel Size' (2'L x 2'W x 7/8"D), 'Edge Profile' (Square), 'Color' (White 050), 'Grid' (USG DXW™), 'Light Reflectance' (0.90 LR), 'Recycled Content' (68%), and 'Embodied Carbon' (0.785 kg CO₂/ft²). At the bottom, there is a 'KEY DOCUMENTS & DESIGN FILES' section with links to 'Data Submittal Sheet .PDF' and 'Installation Guide .PDF'.

CONSTRAINTS AND DIMENSIONS	
Level	Level 1 ▼
Height Offset from Level	8' - 0" ▼

PRODUCT PROPERTIES	
Acoustics	0.85 NRC 35 CAC ▼
Panel Size	2'L x 2'W x 7/8"D ▼
Edge Profile	Square ▼
Color	White 050 ▼
Grid	USG DXW™ ▼
Light Reflectance	0.90 LR
Recycled Content	68%
Embodied Carbon	0.785 kg CO ₂ /ft ²

KEY DOCUMENTS & DESIGN FILES

- [Data Submittal Sheet .PDF](#)
- [Installation Guide .PDF](#)

Edit

When a USG ceiling is selected, the Edit page will appear. See the Design Solutions-Barz®: Quick Live Edit section (page 9) for details.

Downloading Custom Specifications & Budgetary Pricing

When you have completed modeling the required USG ceilings and want to generate custom specs, select the **Spec & Pricing** button.



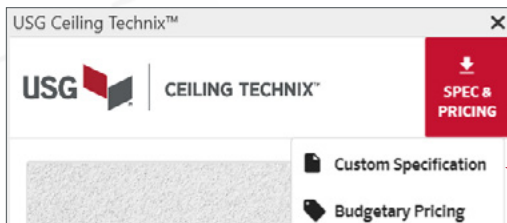
Spec & Pricing

This button is enabled only if the active file contains products designed with USG Ceiling Technix™.

You can use this button to download custom specifications or budgetary pricing based on USG ceilings in your project

01 Downloading Custom Specifications

Select the **Spec & Pricing** button and then **Custom Specification** from the drop-down options.



This will open the following Specifications pop up.

USG CEILING TECHNIX™

Create a Custom Project Specification Package.

Please confirm which USG products and documents you would like included in this specification package.

Product Name	Finish Schedule	Custom Architectural Spec	Data Submittal
Acoustic Ceiling Panels			
<input checked="" type="checkbox"/> Mars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Specialty Ceilings			
<input checked="" type="checkbox"/> Design Solutions Barz	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Colortex Barz	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Building Phase Existing

Product and Documents

Select the products and documents you would like to download and then select the **Download** button.

Building Phase

Building Phase is necessary for us to create a finish schedule. The plug-in selects one on default, but if necessary, select the phase associated with your USG ceilings.

Download

After selecting the desired products for pricing and desired documents based on ceilings designed with USG Ceiling Technix™ in your project, select the **Download** button to start the download process.

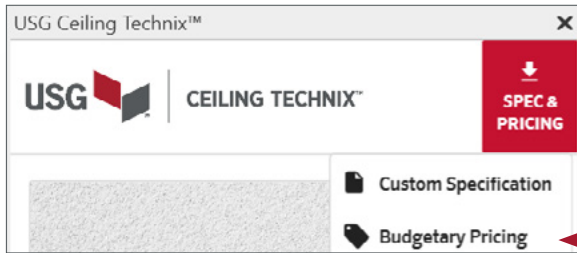
All documents are downloaded to your Downloads folder.

**If more than one file is generated, the files will be placed in a zip file located in your Downloads folder.*

It may take a few minutes to generate your customized document (e.g. custom specification) or assemble your specification package (if you selected more than one document).

02 Downloading Budgetary Pricing

When you have completed modeling the required USG ceilings and are interested in getting Budgetary Pricing for products in your project, select **Spec & Pricing**, then select **Budgetary Pricing** from the drop-down list to open the Budgetary Pricing dialog.



Budgetary Pricing

Products and Square Footage

Select the products that you would like to include in your price estimate.

<input type="checkbox"/> Mars	1111 SF
<input type="checkbox"/> Design Solutions Barz	1280 SF
<input type="checkbox"/> Mars	1111 SF

* Indicates a required field.

Project Information [Why is this information required?](#)

Project Name * Installation Date * Zip Code *

Project Name 08/2024 99999

Contact Information [Why is this information required?](#)

Name * Company Name *

James UniversalPegasus International

Email *

jgoins@usg.com

Confirm the above information is accurate before downloading.

DOWNLOAD CANCEL

Select Product

Select the products you would like to have budgetary pricing for.

**This pop-up will be prepopulated with square footage of those ceilings in your project.*

Project Information

You will need to fill out the required project information.

Pre-Populated

Some required Project Information fields will be pre-populated based on your registration information.

Please review and update as needed.

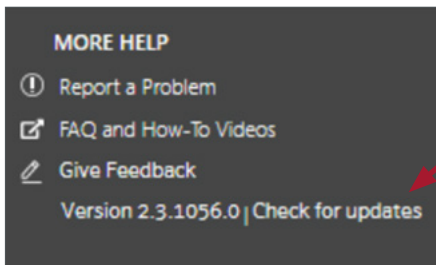
Download

After selecting the desired products for pricing and filling out the required Project Information select the **Download** button to start the download process.

Your budgetary pricing document will be downloaded to your Downloads folder.

One PDF listing budgetary pricing and square footage will be downloaded to your Downloads folder.

Check for Updates



If you have skipped updates, please use **Check for Updates** to install the latest version of the plug-in at your convenience. Keeping up with product updates will ensure you are keeping up with product enhancements like major bug fixes, new products or features.

Support

We hope you found this User Guide helpful. If you would like to provide feedback, suggest an improvement, request a product, report a problem or ask a question about this User Guide or the USG Ceiling Technix™ plug-in, please use the **Report a Problem** or **Give Feedback** forms in the Help Center of the USG Ceiling Technix™ plug-in.

If you select **Give Feedback** from the Help Center, you will see this:

If you select **Report a Problem** from the Help Center, you will see this:

We have several videos to help get you started:

(i) **Basic Getting Started videos:** Visit our [Support Center](#) on the USG Ceiling Technix™ website for basic videos on how to get started creating and editing designs with our plug-in.

(ii) **Advanced videos:** Visit our [Made with Our Plug-in](#) section of USG Ceiling Technix™ website to view more advanced Inspirational videos based on designs created with our plug-in.

If your scenario is not covered in these tutorials or you still have questions, please feel free to reach out to our product team using the **Give Feedback form in the Help Center section in the USG Ceiling Technix™ dock pane.*

*Please select the **“Ask a Question”** option. Our support team will get back to you within 2 business days.*

