EDGE™

VISUALIZER

USER GUIDE & FAQS

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INTRODUCTION TO OUR VISUALIZER

The Edge Visualizer is a powerful web tool designed to help users visualize home renovation projects. This manual will guide you through the various features and functionalities of the web page, enabling you to get the most out of your experience.

SECTION 1: GETTING STARTED AND MAIN NAVIGATION

Upon accessing the visualizer web page, you will be greeted with the main landing page. This page serves as the starting point for your projects and interactions with the software. The main navigation bar at the top of the page provides access to different sections of the visualizer, including the Design Your Home page, Sample Project Gallery, and My Projects space. Additionally, there are options to create an account and sign in.

CREATING AN ACCOUNT

Creating an account allows you to save your projects and return to them at any time.

MY PROJECTS

The My Projects space stores previously created projects for easy access and continued editing. You can also delete projects permanently if needed.

SAMPLE PROJECT GALLERY

The Sample Project Gallery offers pre-prepared projects for you to explore and interact with. These projects demonstrate the capabilities of the visualizer and provide inspiration for home improvement endeavors.

UPLOADING AN IMAGE - DESIGN YOUR HOME

To begin a project, upload an image of your home. This image serves as the canvas for applying various products and design elements.

DESIGN OPTIONS

Once an image is uploaded or a sample project has been saved to your account, you can explore design options and apply products to visualize changes. Features include naming projects, switching between Design and Report views, saving designs and utilizing the advanced editing features to make changes to the project layout.

ADVANCED EDITING FEATURES

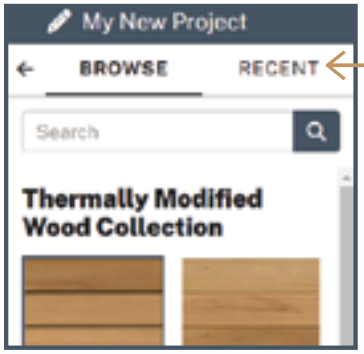
Advanced editing features include the ability to manipulate the selectable regions of a project for enhanced accuracy and realism. These features include improving project scale, adjusting product orientation and opacity, adding additional regions, grouping regions together, utilizing the foreground tool for objects in the foreground, and more.

SECTION 2: DESIGN OPTIONS

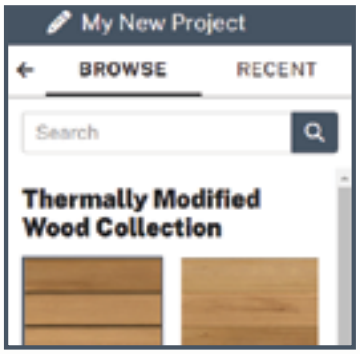
HOW TO APPLY PRODUCTS (WALLS, ROOFING, AND TRIM)

• Click on the desired area using the list on the left or click on an area on the image to open the product selection menu. When navigating through the selection menu for walls, roofing and trim, each choice will expand the options until you see the colors for that product style. You can scroll up and down through this menu to go back to previous options. Clicking on a color will apply it to the main image.

• Clicking on the same wall, roof, or trim area again will let you make a new product selection. The selection menu will open with the previous selection's color options. Scroll up through the menu to choose a new selection path.

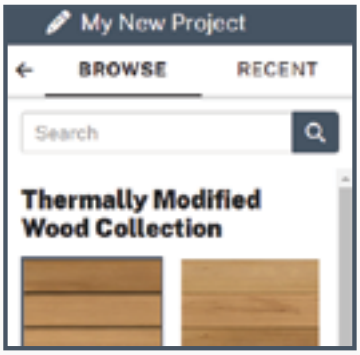


Use the Recent tab at the top of the Selection menu to find products or colors you've used previously during this session.



Use the search box at the top of the Browse tab to look for specific color options. You can return to the Browse tab at the top when you're done looking through the search results.

Use the small arrow to close the Selection menu and return to the Products list.



SECTION 2: DESIGN OPTIONS CONT.

ROTATE APPLIED PRODUCTS

Use the 3-dot button on the sample swatch of the applied product to rotate wall products by 45 degrees at a time. Rotate the same product twice to turn horizontal products into a vertical orientation.

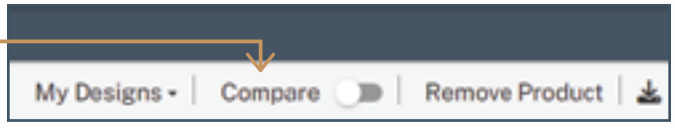
REMOVE APPLIED PRODUCTS FROM A PROJECT

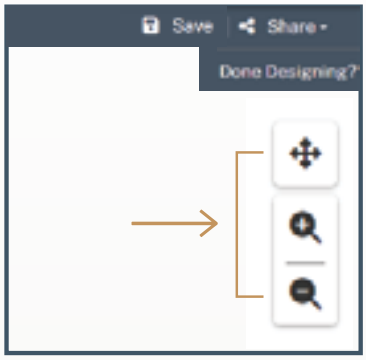
Remove the applied product from a specific area/layer by clicking the small "x" button in the corner of the appropriate sample swatch.

SAVING OR VIEWING DESIGNS

COMPARE BEFORE & AFTER

Toggle the Before and After slider and drag the slider left and right to see the before and after change.

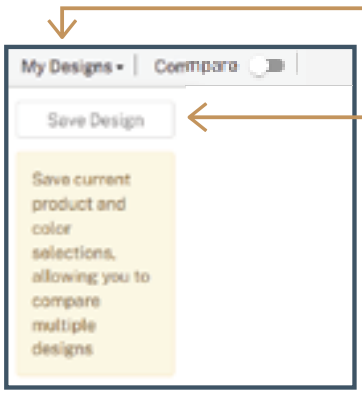




VIEW CONTROLS

Use the zoom controls in the lower right corner to zoom in and pan the view around to the area you want to see in detail.

SECTION 2: DESIGN OPTIONS CONT.

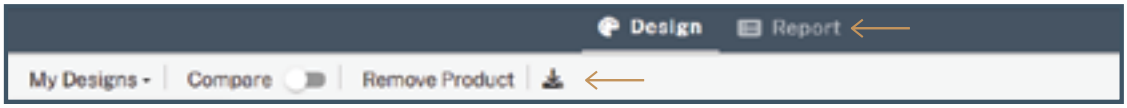


SAVING DESIGNS TO A PROJECT

Sign in to your visualizer account and save the entire project using the save option in the upper right, then use the My Designs feature to save the current design/product selections. You can save multiple designs this way and reapply them onto the main image by clicking on their thumbnail images in the My Designs menu. You can also include any saved My Designs in the printable Report.

SAVING DESIGNS TO YOUR COMPUTER OR DEVICE

To save a design to your computer or device, there are two options: Download an image of the current design, or, access the printable Report and either print it or save it as a PDF file from your print menu. The Report area lets you include each of your saved designs in the Report. The Report will also show a breakdown of selected products/colors.

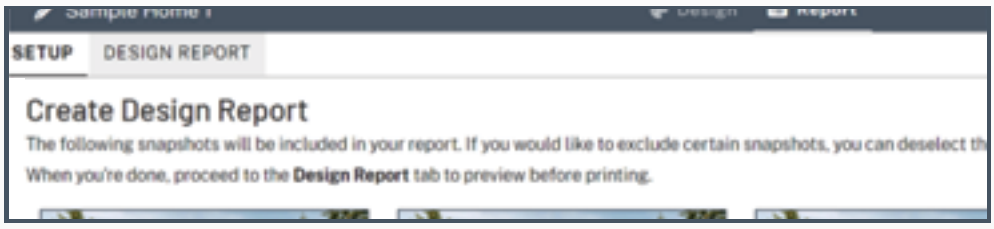


REPORT VIEW

Navigate to the Report view to access the printable design report. The multi-page report will include any saved designs stored in the My Designs menu as well as the selected products listed under each design.

The first page of the report lists the name of the project as well as the date.

If there are designs saved in the My Designs menu, the Setup page will allow you to refine which saved designs are included in the report:

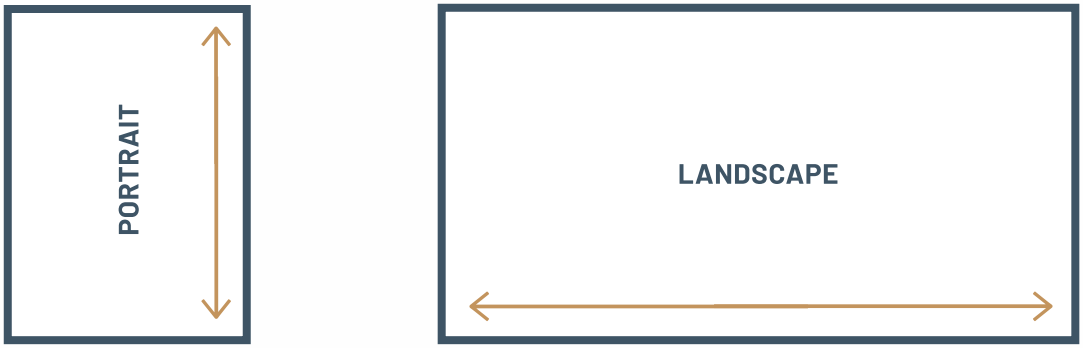


Print or Save your report using the Print button. To save it as a digital file, use your print menu settings to "Print or Save to PDF".

SECTION 3: IMAGE GUIDELINES

When using the visualizer to prepare an image, follow these guidelines to choose an image that will produce the best results.

- JPG/JPEG or PNG file formats.
- Higher quality images produce better results.
- Take pictures of the home in neutral lighting during the day, not at dawn or dusk. For best results, avoid back-lighting on the home (situations where the sun is behind the house in the photo).
- Images with the house in full frame work better than images showing close-up views of part of a home.
- When taking pictures with a phone, hold phones sideways so that the picture is taken in landscape mode



- When sending or uploading from phones, select the “Large” or “Actual” image size.

WHAT DO I DO IF THE IMAGE IS TO SMALL?

- Make sure you’re using the original, unedited, and un-cropped image and that you’ve chosen the image size as Large or Actual.
- If you received the image from somewhere else, it may have been compressed during transfer and you may need to change methods for sending/receiving images. (Make sure to select “Large” or “Actual” image sizes when sending images.)

You can enlarge the image using a photo-editing software like Photoshop or Canva, or a designated image resizing software or app.

Note: Drastic enlargements (or enlarging an image that is poor quality) can result in blurry images as the pixels are forced to stretch to fill a larger space.

SECTION 4: UPLOADING AN IMAGE - DESIGN YOUR HOME

PREPARE YOUR PHOTO USING THE HELP OF OUR A.I. TECHNOLOGY

Note: While you can use a phone or small screen device for designing, to use the Advanced Editing Tools, you may need to switch to a larger screen device to complete the process as the **manual editing tools are only available on a large screen device such as a laptop or desktop computer.**

- Best results when using a full view of the home.
- Project will be prepared in a minute or less.
- Some product angles may need to be adjusted using the editing tools.
- For interior images, you may be asked to set the project scale before proceeding to the Design view.

"I'm having issues uploading a picture."

If uploading from a phone, set the image size as "Large" or "Actual". Images should be .jpg or png. image file format and be a minimum of 1600 pixels wide and in landscape mode.

SECTION 5: ADVANCED EDITING FEATURES

EDITING AN AUTOMATICALLY PREPARED IMAGE

To access the Editing/Drawing area from the Design view, look for the "Edit" option at the top of the Products list.

MAKE CHANGES TO EXISTING WALLS, ROOFING AND TRIM LAYERS

Click on any outlined areas on the image to pull up the Edit menu options for that layer. You can see the outlined areas by hovering over them on the image.

EDIT MENU OPTIONS

- Add To Surface: Allows you to add more points and surface area to the active layer.
- Remove From Surface: Allows you to erase portions of the active layer.
- Set Layer's Perspective: Apply a perspective box to the layer so that it can be manipulated to match the perspective angle of the intended area.
- Opacity: The slider bar can be adjusted to set the level of transparency the active layer has when applying products. Lower values mean the layer will show more of the original image beneath when product is applied. A value of 100 is completely opaque and won't show any of the natural shadows from the image.
- Remove Entire Surface: Delete the active layer.
- Done: Confirm or approve the active layer and return to the Drawing area.

When using the "Add to Surface" or "Remove from Surface" edit options, you will need to outline the area on the image that you wish to add to your layer (or remove from your layer).

TO DRAW/OUTLINE AN AREA (SURFACE OUTLINE START POINT MENU)

Click on a point on the perimeter of the element you wish to add or remove in order to start drawing. A line will extend from your cursor. Move the cursor over to the next corner of the area and click again to set this next point into place.

Every time you click on the image, you create an "anchor point." Continue all the way around your element, clicking each time until you loop back to your first start point.

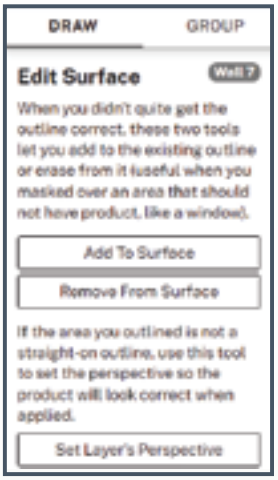
To finish drawing the shape, close the layer by clicking the original anchor point. Closing the shape will either add or remove the area inside your outline.

Note: The anchor points at the corners of your shape will act as handles and you can click and drag them to better line up with the existing surface.

HOW TO SET LAYER'S PERSPECTIVE (TO CHANGE THE ANGLE OF THE SURFACE/PRODUCT)

Use the "Set Layer's Perspective" button in the layer's Edit menu to open the red perspective box for the selected layer and arrange it on the image to tell the program what angle the surface is at in relation to the camera viewpoint.

From the Editing/Drawing area of the visualizer, click on the layer from the image that you would like to edit to pull up the Edit menu options. Look for the button to "Set Layer's Perspective".



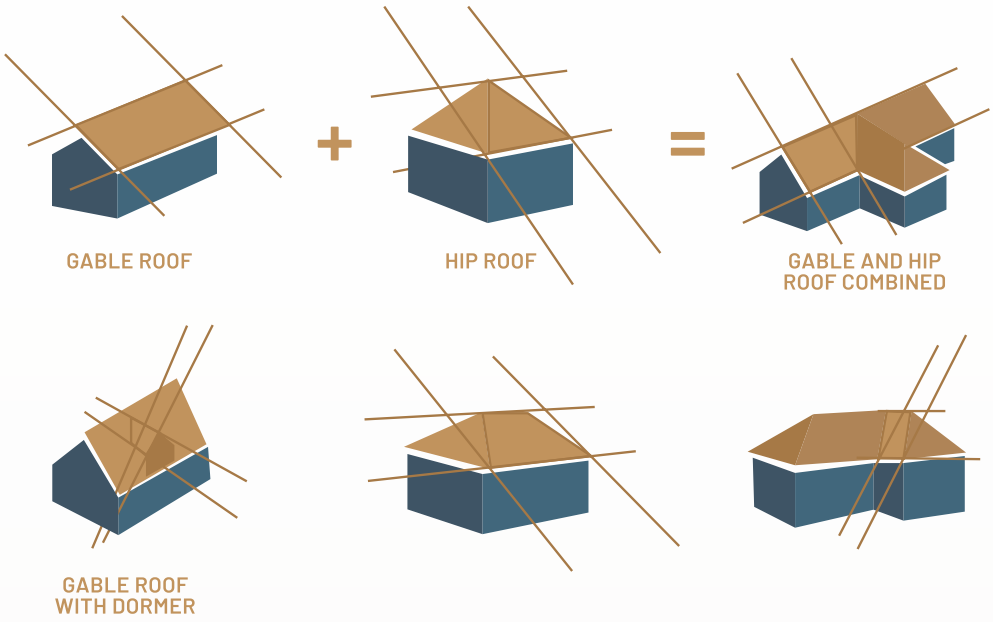
Use the "Reset" button to reset the red perspective box.

SECTION 5: ADVANCED EDITING FEATURES CONT.

For wall areas, line up the top of the box with the gutter and the bottom edge of the box with the foundation line. Line up the sides of the box with the vertical corners of the wall.

For roofing areas, line up the sides of the box with the left or right edge of the roof depending on the roof shape. Line up the top of the box with the top roof ridge and the bottom edge of the box with the gutters or drip edge. For Hip Style Roof areas, line up the left and right sides so that they are parallel - imagine the hip roof is actually a gable roof with invisible corners. See the graphic below for a demonstration of the red perspective box placed on different highlighted roof sections.

Click Done to confirm the change.



EXAMPLE OF ROOFING PERSPECTIVE BOXES BASED ON ROOF SHAPE.

SECTION 5: ADVANCED EDITING FEATURES CONT.

ADD NEW LAYER AREAS

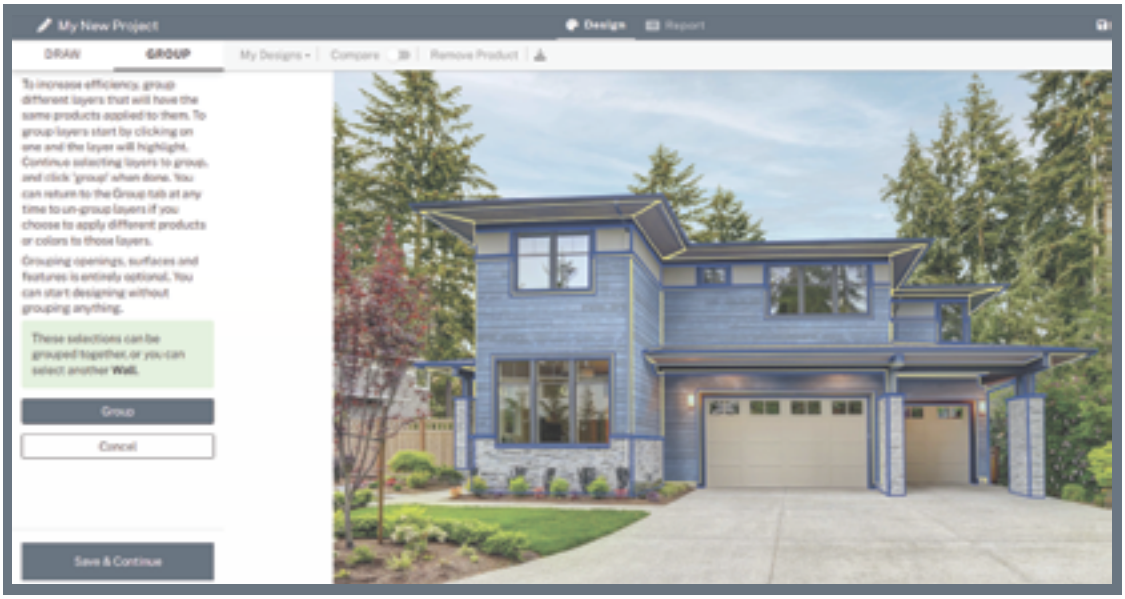
Select a product category to start outlining a surface on your image using that layer type. What type of layer you draw will determine what products will be available on that area when designing.

TO DRAW/OUTLINE AN AREA

- Click on a point on the perimeter of your chosen area to start drawing (Hint: start with sections farther away from the camera). A line will extend from your cursor. Move the cursor over to the next corner of the surface and click again to set this next point into place. Every time you click on the image, you create an "anchor point". Continue all the way around your element, clicking each time until you loop back to your first start point.
- To finish drawing the shape, close the layer by clicking the original anchor point.
- If you need to adjust your layer to match the existing surface more accurately, the anchor points will act as handles and you can click and drag them to better line up with the existing surface.
- If working with Wall/Roofing type layers which are on an angle in relation to the camera, you may need to Set the Layer's Perspective so that the product looks realistic. When setting perspective, a red box will appear that you will want to move around and adjust to align with the edges of your walls or floor section. Click Done to confirm the change.
- Scroll down to the (Done button at the bottom of the menu to finish editing and to start outlining your next layer. (Hint: Most layers stack on top of one another and only the topmost layer will display products.)

SECTION 5: ADVANCED EDITING FEATURES CONT.

- You can group layers of the same type together by going to the Group tab, selecting the layers from the image, and choosing to Group them. Grouped layers will act as one layer in the Design view.



- When you have finished drawing or editing all of your layers, you can return to the Design view by clicking Save & Continue at the bottom of the menu.

CHANGE THE SCALE OF PRODUCTS ON A PROJECT

Project Scale is used by the program to display products at an accurate size. If you notice the roofing or siding products appear overall too large or too small on the image, you may want to reset the Project Scale.

To reset the Project Scale, first make sure you're in the Editing/Drawing area. (If you're in the Design view, use the "Edit" link at the top of the Products menu.) Look for the button under Utilities called "Change Project Scale."

SECTION 5: ADVANCED EDITING FEATURES CONT.

SETTING THE PROJECT SCALE

Give the program an idea of scale for your image by adding a measuring line to the height of a wall, doorway, or window. Use a feature on the home that you can provide an estimated measurement for. (We recommend using the height of an entry door.)

To draw the measuring line, click once at the top of the item you're going to measure on your image, then click again at the bottom of the item. You can enter the height of the line in the next menu.

DELETE ALL EXISTING LAYERS AND START AGAIN

Start over fresh by using the Remove Masking Areas option under Utilities.

RETURNING TO DESIGN VIEW

To return to the Design view (where you can apply products), look for the "Save & Continue" button at the bottom of the side menu. Remember, you can always get back to the Editing/Drawing area by clicking the "Edit" link at the top of the Products menu.

WHAT IS THE FOREGROUND TOOL?

The foreground tool is used to outline something that is in front of your surfaces such as furniture, vehicles, trees, shrubs, exterior lights, and other structures on the home. The foreground will act as the topmost layer. No products will ever be applied to areas outlined with the foreground tool. The foreground outline will appear red on your image.

SECTION 6: COMMON QUESTIONS

"CAN I EDIT THE LAYERS OF A SAMPLE PROJECT?"

Yes. If you save the Sample Project to your visualizer account, you will have access to the Edit options at the top of the Product Layers list. When you save the project for the first time, the visualizer will ask for a new project name. To access your version of this project in the future, go to the My Projects page of the visualizer (available in the header when signed in) and select it from your list of projects.

"HOW DO I DELETE A LAYER?"

Go to Edit/Draw area, click on the layer on the image that you want to change in order to pull up the edit menu options, look for the "Remove Entire Surface" or "Remove Opening" button option to delete that layer entirely.

"CAN I APPLY THE SAME PRODUCT TO MULTIPLE AREAS AT THE SAME TIME?"

Yes. On saved projects, you can group layers of the same type together so that they act like the same area when applying products. The Group tab is available in the Edit/Draw area of the visualizer. From the Group tab, click on each layer of the same type on your image that you want and click Group.

Alternatively, when in the Design area, you can click on a layer to apply products and look for the Recent tab at the top of the product selection menu to find/reapply selections you've chosen before.

"HOW DO I SEE A CLOSE-UP VIEW OF THE DESIGN?"

You can use the zoom controls in the lower right corner to zoom in and pan the view around to the area you want to see in detail.

"CAN I REMOVE PRODUCTS THAT I'VE APPLIED FROM A SINGLE AREA?"

Yes. On the Products list on the left, look for the sample swatch for the region that you want to affect. Click the small "X" button in the top right corner of the sample swatch/square. Confirm that you want to remove the products from that one region.

SECTION 6: COMMON QUESTIONS CONT.

"THE PRODUCT LOOKS CROOKED OR APPEARS TO BE ON A WEIRD ANGLE, WHAT DO I DO?"

You can adjust the angle of a product on a specific layer by using the "Set Layer's Perspective" feature in the edit menu of the layer you wish to change. To do this, click Edit to go back to the Draw area. Hover over the specific layer on the image that you want to adjust and click to bring up the Edit Surface menu options. Click on "Set Layer's Perspective". When setting perspective, a red box will appear that you will want to move around and adjust to align with the your wall or roof section. For specific instructions, see the section above about "How to Set Layer's Perspective". Click Done and then Save & Continue to go back to the Design area.

"NO MATTER WHAT I DO, ALL THE PRODUCT LOOKS TOO SMALL OR TOO BIG."

In this case, you may need to reset the Project Scale. You can redo the Project Scale by clicking Edit to go back to the Draw area and clicking the button called "Change Project Scale". Draw your new measuring line and make sure to type in the proper height of the line in feet and inches in the menu on the left.

"CAN I CHANGE THE PRODUCT SCALE ON A SINGLE REGION OR LAYER INDEPENDENTLY?"

Yes, you can adjust the scale of a specific layer by providing width and height information in the "Set Layer's Perspective" feature in the edit menu of the layer you wish to change. To do this, click Edit to go back to the Draw area. Hover over the specific layer on the image that you want to adjust and click to bring up the Edit Surface menu options. Click on "Set Layer's Perspective". In the menu on the left, enter width and height values for the red perspective box. Click Done to confirm the changes and then Save & Continue to go back to the Design area.

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