



COMMSCOPE®

# FiberGuide® Design Pro

## Configuration Tool User Guide

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## In this Guide:

- Accessing FiberGuide® Design Pro
- Navigating the Home Screen Dashboard
- Design Details for Drawings and BOM
- Importing and Scaling a Layout
- Building a Raceway System
- Processing to Drawings and BOM

COMMSCOPE®

Accessing FiberGuide® Design Pro

# Access FiberGuide® Design Pro

- Directly on My CommScope Application page  
<https://www.commscope.com/membership/>
- From the Raceways landing page (coming May)  
<https://www.commscope.com/product-type/cable-management/raceways/>
- From Individual product pages under FiberGuide® (coming May)

## My Applications

**Manage Profile**

**Change Password**

**Preference Center**

**Punchout Login**



### **My Product Lists**

Gather and organize your product lists, download specifications and request a quote.



### **FiberGuide® Design Pro**

FiberGuide® configuration tool that produces raceway layouts in 2D and 3D PDFs along with a BOM for easy ordering.

## Access from— My CommScope Page

- If you don't see the FiberGuide® Design Pro tile on the My CommScope page...
  - Under *My Applications* select *Request Access*
  - Under *Available Applications* select *FiberGuide® Design Pro* and drag it to the left side of the screen under *My Current Applications*
  - Scroll to the bottom of the screen and click *Submit Changes*

### My Applications

Manage Profile

Change Password

Request Access

### Applications Dashboard

Click an application type to add it.

Applications in blue are currently assigned or available to request.

Applications in green are to be added.

Applications in yellow have been requested and are currently pending approval and provisioning.

#### My Current Applications

ARRIS Software-Firmware Delivery Tool

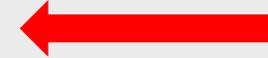
#### Available Applications

GoogleDecom

DCCS Customer Portal

Structural Support Products

ULS Role



# Access to— My CommScope Page

- If you need help getting access to My CommScope please visit the Membership Registration User Guide located here

<https://www.commscope.com/support/arris-support/>

<https://www.commscope.com/support/arris-support/>

## Operator Technical Support

CommScope has talented technical support engineers around the world to provide you with expert technical support on a broad range of products and services to help you support the needs of your customers.

The screenshot shows a grid of four support options. The second option, 'Membership Registration User Guide', is circled in red. Below each option is a blue button with the corresponding action text.

Option	Header	Description	Action Button
1	Create/Update Membership	New user registration, user ID or password help, or account activation	Create/update membership
2 (Circled)	Membership Registration User Guide	User guide to assist with new user registration, password help, or account activation	Get membership user guide
3	Check Order Status	Review order status by order number	Check order status
4	Visit Consumer Support >	Looking for consumer technical support? ARRIS and SURFboard consumer assistance including chat, email and phone support is available from 7 AM until midnight CT, 7 days a week, excluding major holidays. Self-help is available 24/7	



# Navigating the Home Screen Dashboard

# Home Screen Dashboard

- The *FiberGuide® Design Pro* button will bring you to the configurator
- The *My Orders* sections shows all configurations you have started and saved, completed and processed.
  - Results button will bring you to the drawing PDFs and BOM



## My Orders

Product  Submitted  Archived

Order ID	Project Number	Created	Updated	Submitted	Operations
1,155	1686270691-02/22/2021 - 09:39	02/22/2021 - 09:39	02/22/2021 - 09:40	✓ (02/22/2021 - 09:40)	<a href="#">preview</a>   <a href="#">edit</a>   <a href="#">results</a>   <a href="#">archive</a>   <a href="#">replicate</a>



# Design Details for Drawings and BOM

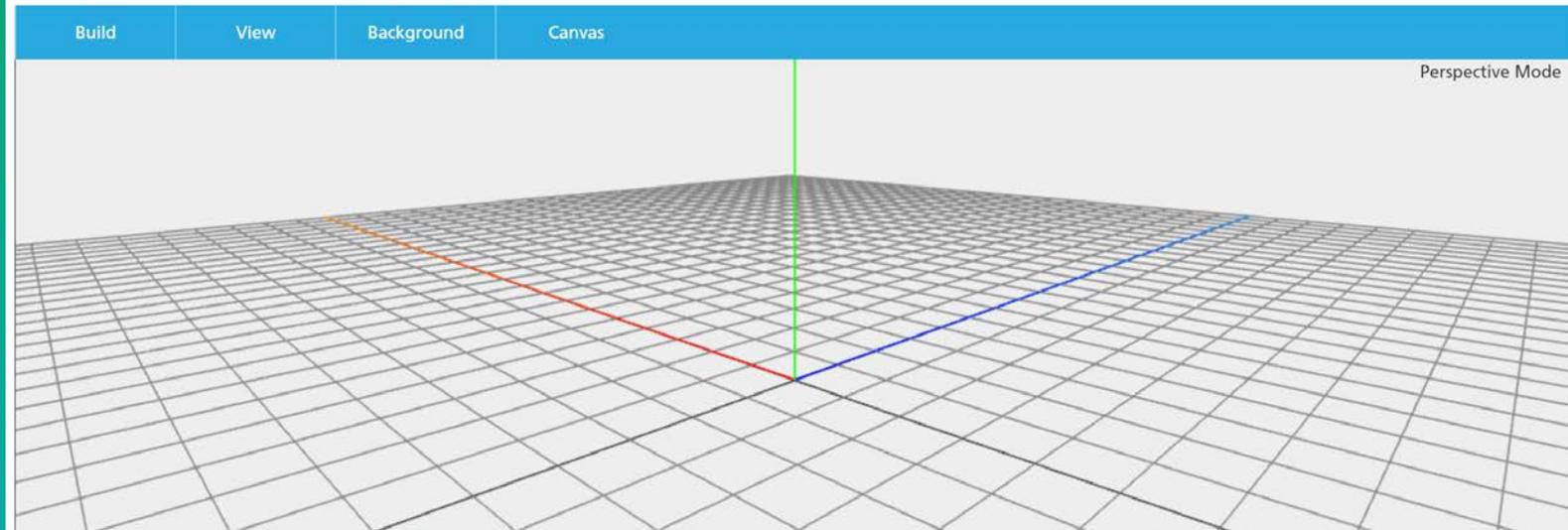
# Configurator Navigation

Build – select FiberGuide®  
pieces to build the  
raceway design

View – changes orientation of  
the view

Background – upload and scale  
the layout

Canvas – changes the size of the  
grid



# Configurator Project Details

On the bottom of the screen, enter details about the project that will help you find it again once you save the draft and/or check and process the design.

These details will also be added to the drawings and BOM.

The screenshot shows a web interface for project configuration. At the top, there are three tabs: 'Project Info \*', 'Brackets', and 'Covers & Drawings \*'. The 'Project Info \*' tab is circled in red. Below the tabs, there is a form with the following fields:

- Project Name/Number \***: A text input field containing the value '910731583-02/04/2021 - 14:06'.
- Date \***: A section containing a date input field with the value '02/04/2021' and a hint 'E.g., 02/04/2021'.
- Site**: A text input field.
- End Customer**: A text input field.

At the bottom of the form, there are two buttons: 'Save Draft' and 'Check and Process'.

# Configurator Bracket Input

On the bottom of the configurator screen, there is a tab to add bracket information.

As you make selections, more options will pop-up to the right until the configuration is complete.

If your preferred style is not available, the tool will default to Cantilever for existing bracket installation and 5/8" rod size.

Brackets will not show on the webtool. They will be auto-calculated and added to the BOM. The drawings will also show suggested placements of brackets represented by orange rectangles.

Disclaimer: This is the Preferred Mounting Type. Not all Mounting types are available for all sizes.

### 2x2 Bracket Mounting Options

Bracket Type

- None -

### 2x6 Bracket Mounting Options

Bracket Type

- None -

### 4x4 Bracket Mounting Options

Bracket Type

Cantilever

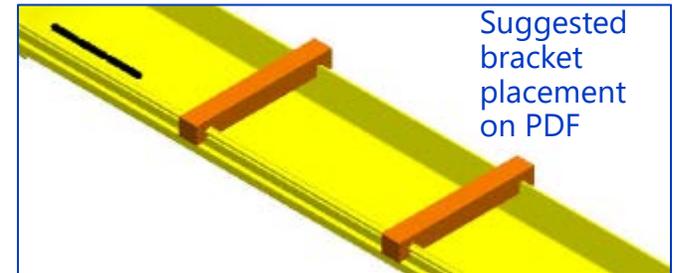
Bracket Installation Attaching to?

Existing

Rod Size

Threaded Rod

5/8in



Catalog number	FGS-HETR-5/8
Description	Existing Threaded Rod Bracket Kit, 5/8in for 2x6, 4x4, 4x6in Systems
Orientation	Horizontal
Bracket Type	Cantilever
Bracket Installation	Existing
Attaching to?	Threaded Rod
Rod Size	5/8in

# Configurator Covers & Drawings Input

On the bottom of the configurator screen, there is a tab to add covers, drawing and junction information.

Select if you want covers and the style you prefer. If your option is not available for a specific piece, the default selection of Snap-On covers will take its place. Covers will not show on the webtool. They will be auto-calculated and added to the BOM and the drawings.

As you make selections for covers more options will pop-up underneath until the configuration is complete.

Select if you want to see the covers on the drawings.

Select if you want to see the junctions on the drawing. Junctions do not show on the webtool. The number of junctions you need for your design is auto-calculated on the BOM.

Project Info \*

Brackets

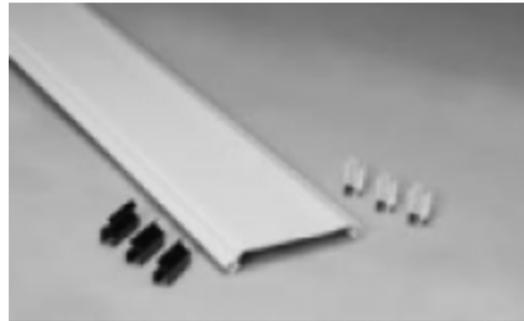
Covers &amp; Drawings \*

Disclaimer: This is the Preferred Cover Type. Not all Cover types are available for all sizes.

Check this box if you want covers for all parts

Cover Type \*

- Snap-On
- Hinged
- Metal Split



Split Hinged \*

- Split Hinged
- Full Hinged

Hinge Type \*

- Plastic
- Metal

Show Covers on Drawing

Show Junctions on Drawing



# Importing and Scaling a Layout

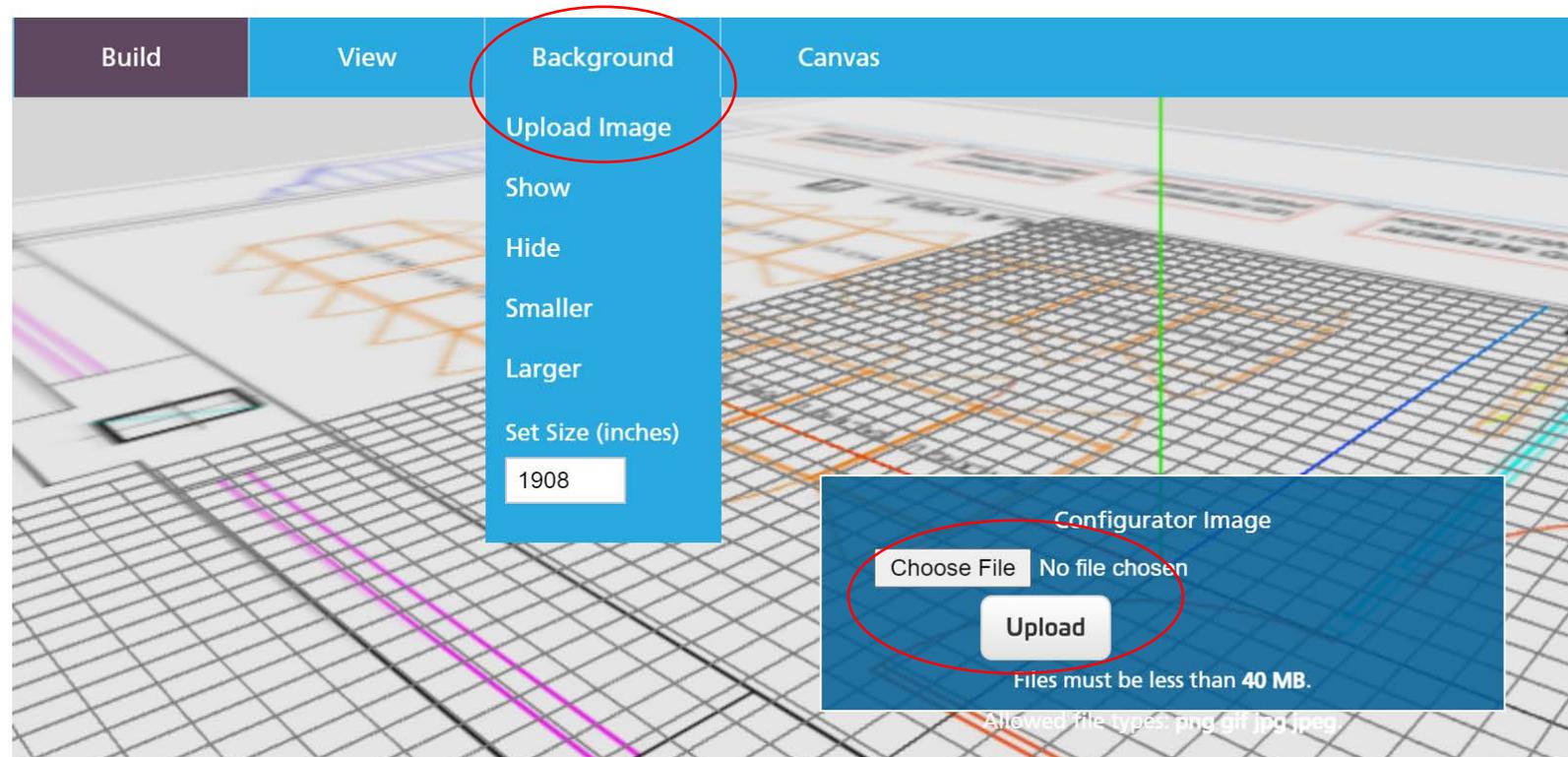
# Importing a Layout

If you have a customer's layout, you will want to start your design by importing it.

Under *Background* select *Upload Image*.

Your layout must be in png, gif, jpg or jpeg format and no larger than 40MB.

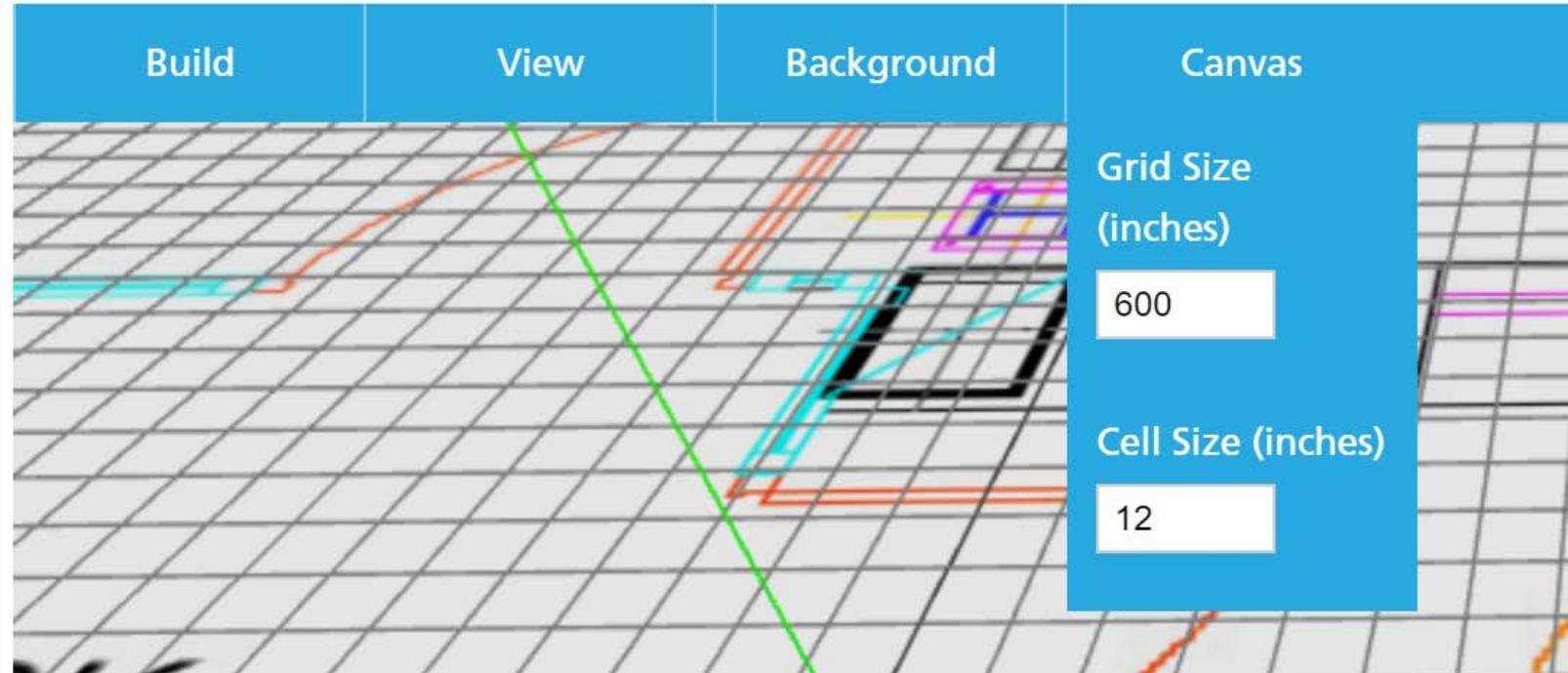
Select *Choose File* from the pop-up. Navigate to your layout and select *Open*. Select *Upload* and click off the pop-up to complete the upload process.



# Scaling a Layout

To scale your imported layout, navigate to the section of the layout with a scale or to a piece that you know the dimensions of.

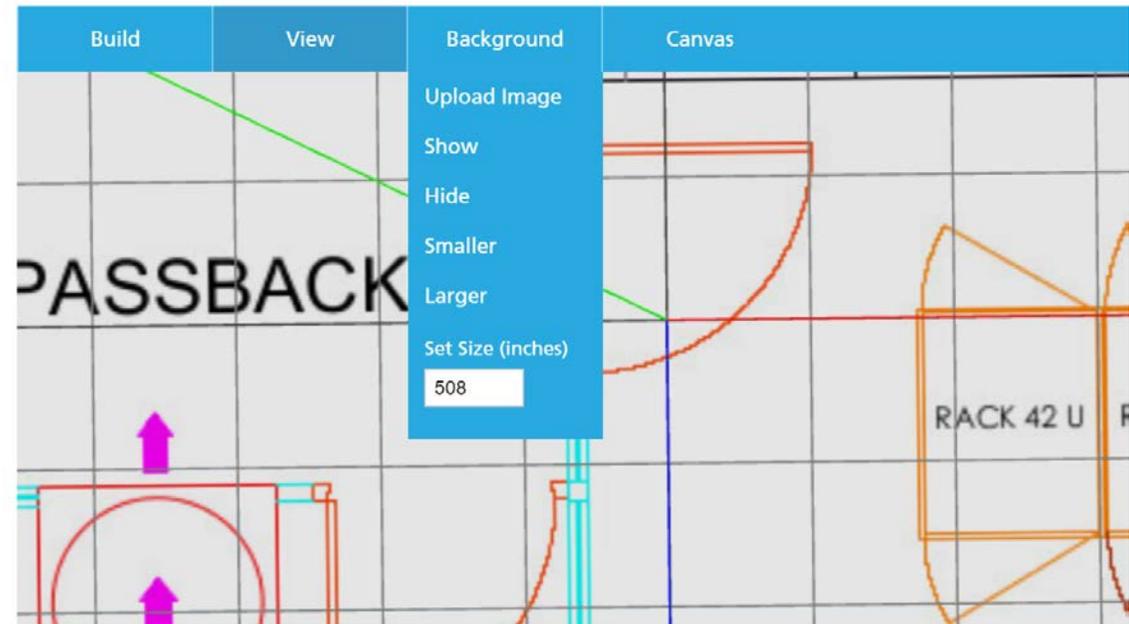
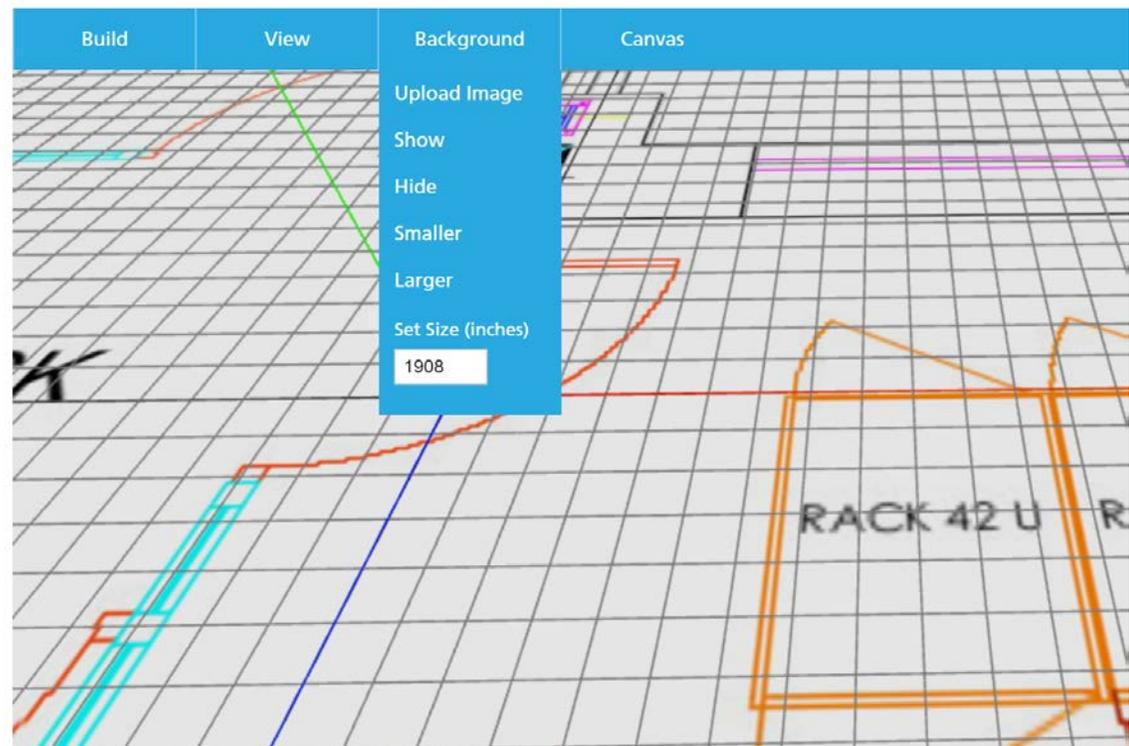
Each grid square is set to 12" to start. You can adjust that if you want to be smaller or larger under *Canvas – Cell Size*. You can also increase/decrease the number of grid cells you see to fit over your entire layout under *Grid Size*.



# Scaling a Layout

Under *Background* you can Show or Hide your layout. You can make the layout Smaller or Larger using the buttons provided. You can type in a size under *Set Size*. These buttons will allow you to resize the layout to scale.

It is also helpful to place your *View* in *Top View* when scaling for accuracy.



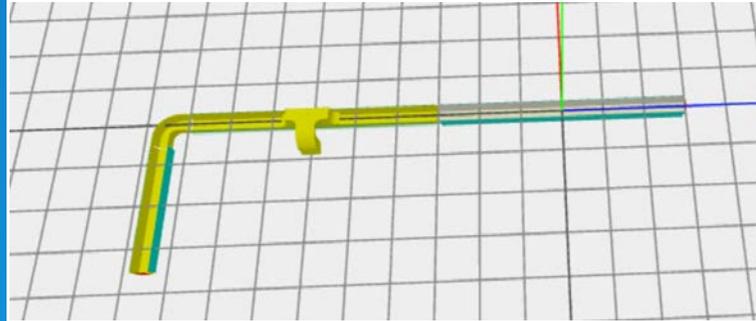
# View

Under *View* there are 4 options:

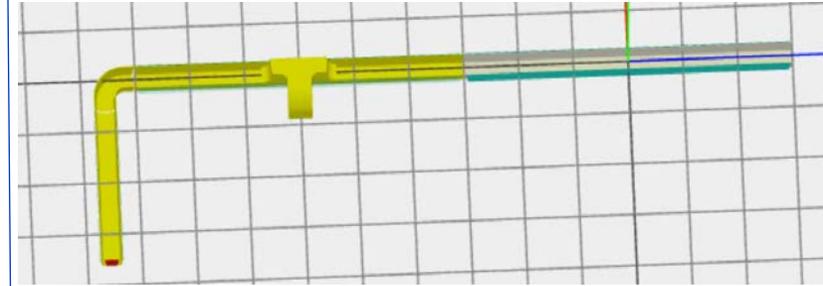
- Perspective
- Orthogonal
- Default View
- Top View

Here is what each look like

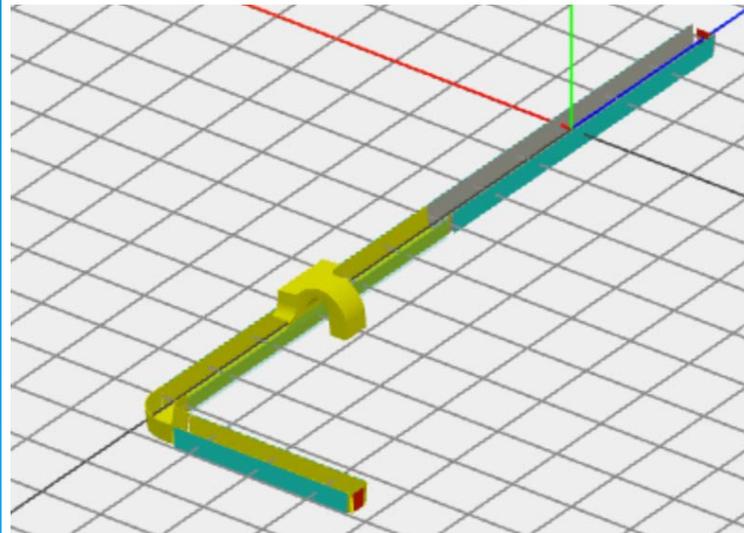
Perspective



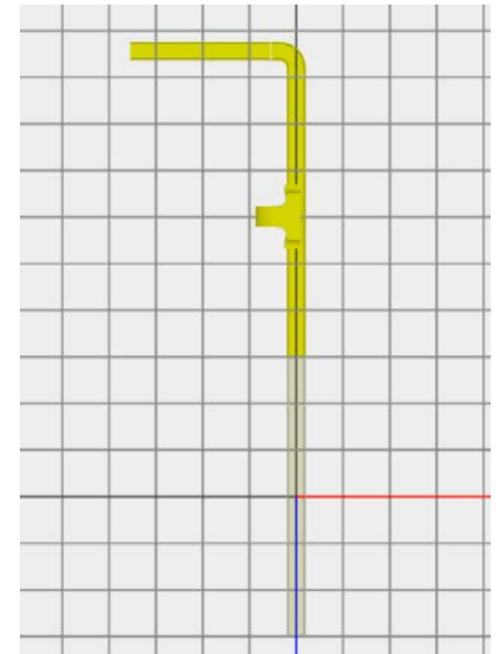
Orthogonal



Default View



Top View





# Building a Raceway System

# Build a Raceway System

To start your raceway system design, select Build

A Pop-up menu will open to narrow down the piece options

- color - yellow or black
- system size
- category
- part search function

Build View Background Canvas

Color: All Size: All

Category: All Part Search: Search by Part Name (Enter at least 3 characters)

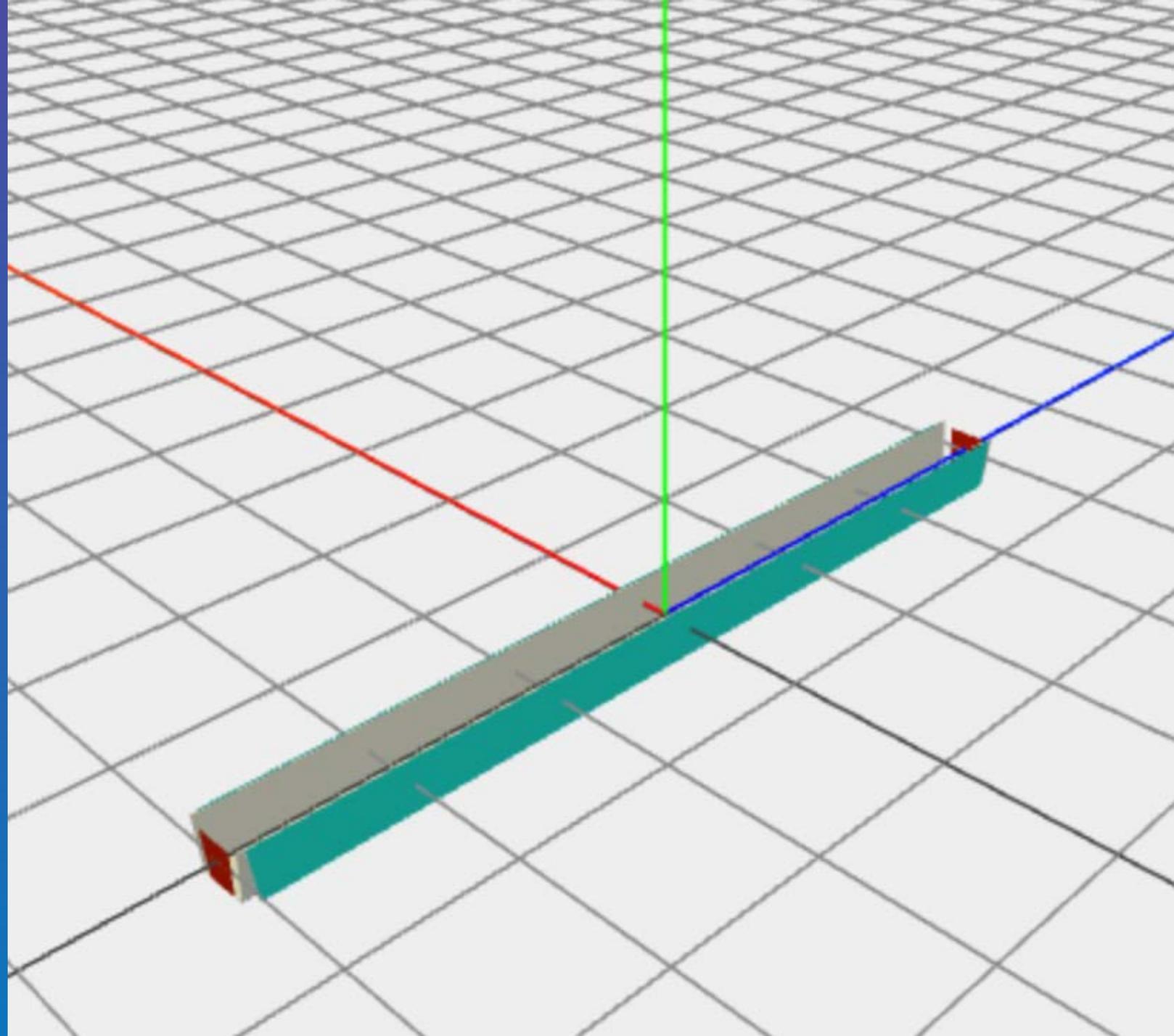
Reset

FGS-MSHS-F-ROT: Horizontal Straight Section, 4x12in, Yellow ROTATED TEST	FGSB-MEXP-LP-A/B/F: 4-Inch Low profile Express Exit, 4x4, 4x6, 4x12 4x24in, Black
FGS-MHIS-C: 2in Cut-in T for 2x2in, Yellow	FGS-MEXP-NC-ABF: 4-Inch Express Exit, Cover Not Included, 4x4, 4x6, 4x12, 4x24in, Yellow
FGS-MEXP-LP-ABF: 2-Inch Low profile Express Exit, 4x4, 4x6, 4x12, 4x24in, Yellow	FGS-MEXP-G-ABF: 6-Inch Express Exit, 4x4, 4x6, 4x12, 4x24in, Yellow
	FGS-MEXP-E-ABF: 4-Inch Express Exit, 4x4, 4x6, 4x12, 4x24in, Yellow

# Build a Raceway System

The first piece you select will be placed at 0,0,0 on the grid as indicated by the red, green and blue intersecting reference lines.

This piece will also be gray to indicate that it's the first piece placed and is considered the "parent" piece. This piece is the master-piece that will control where on the grid your design sits.

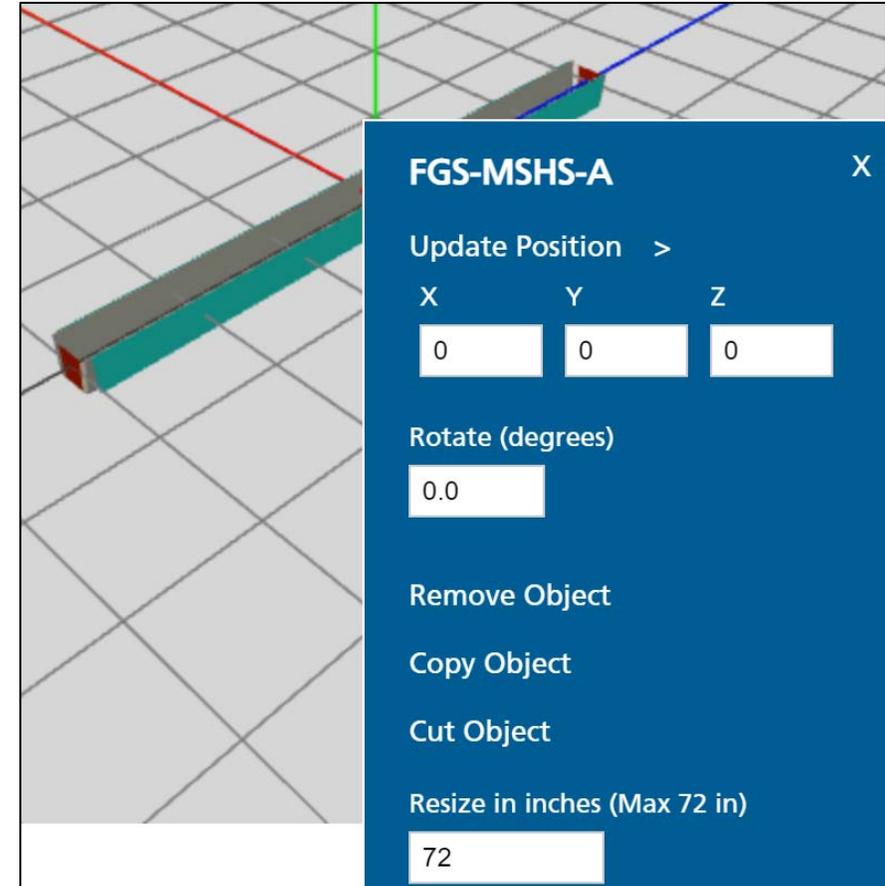
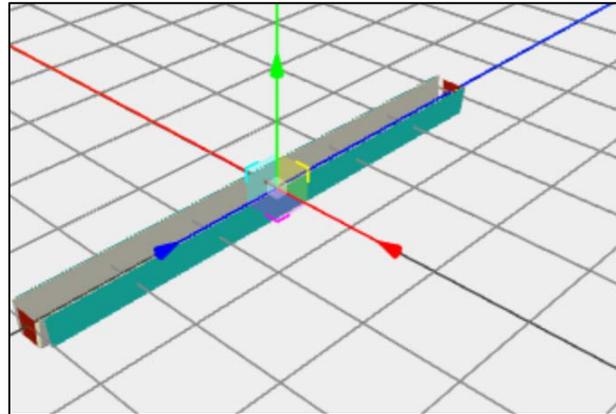


# Moving a raceway system

You can move your design on the grid by double clicking the bottom/center of the gray piece and dragging it.

Or you can right click the gray piece and manually enter the coordinates you want it at.

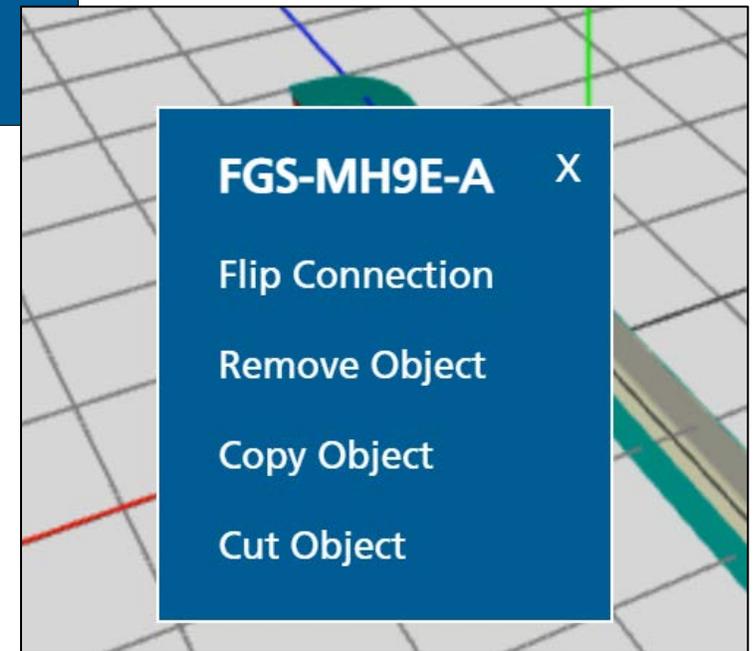
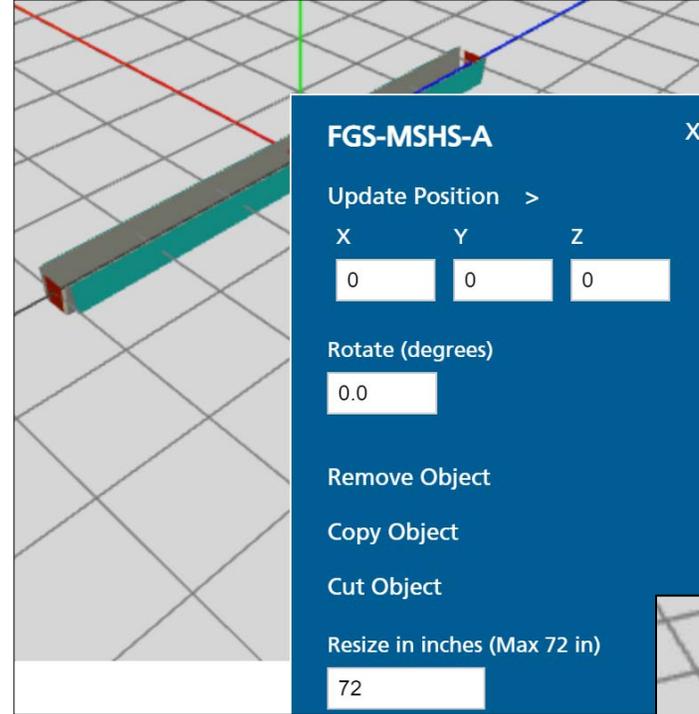
You can also rotate the piece by typing in the degrees you want to rotate it by under *Rotate*



# Editing a Piece Options

When you right click a piece, you also have some other moving options

- remove object
- copy object - paste
- cut object
- flip connection
- Resize – straight sections only

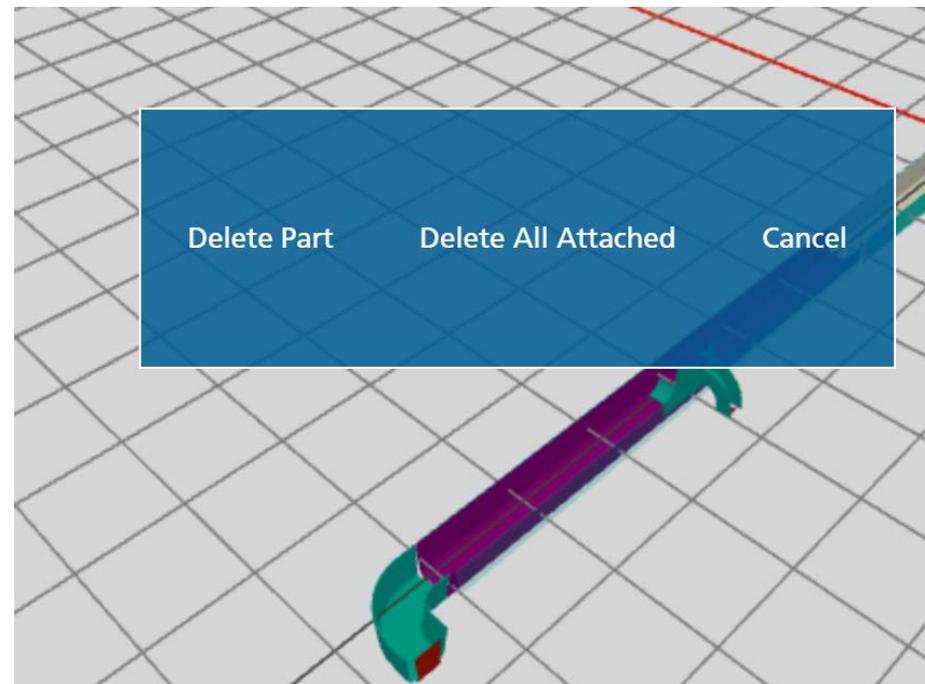
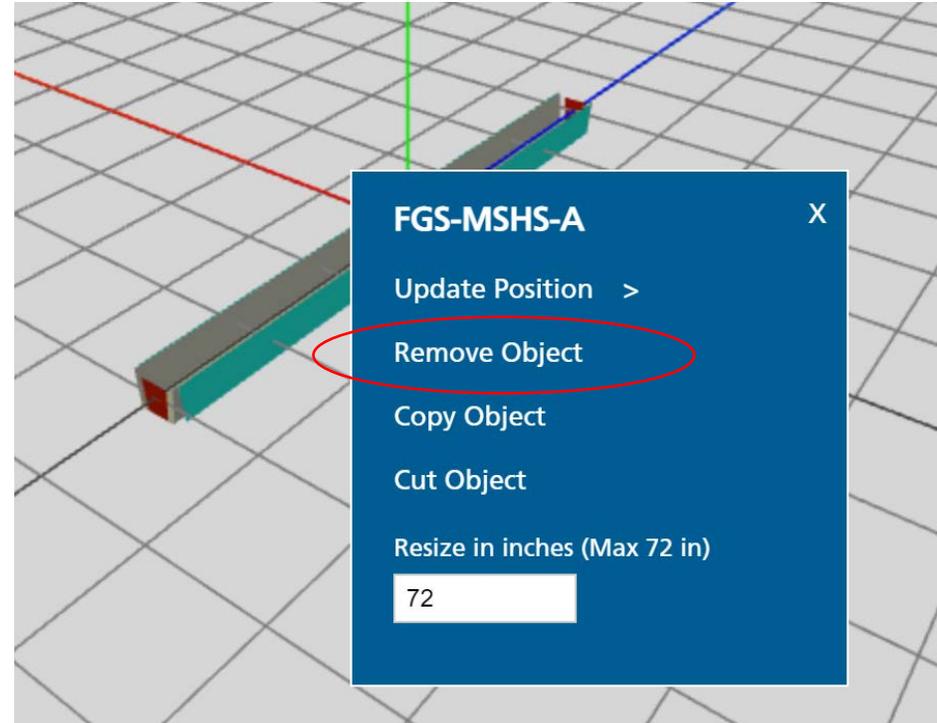


# Remove Object

To remove a piece right click on it and select *Remove Object*.

A pop-up will ask if you want to delete only the selected part or delete all attached to it.

Deleting all attached will remove all parts connected to the part you have selected. The parts that would be removed will be highlighted physically in blue and purple so you know what will be deleted.

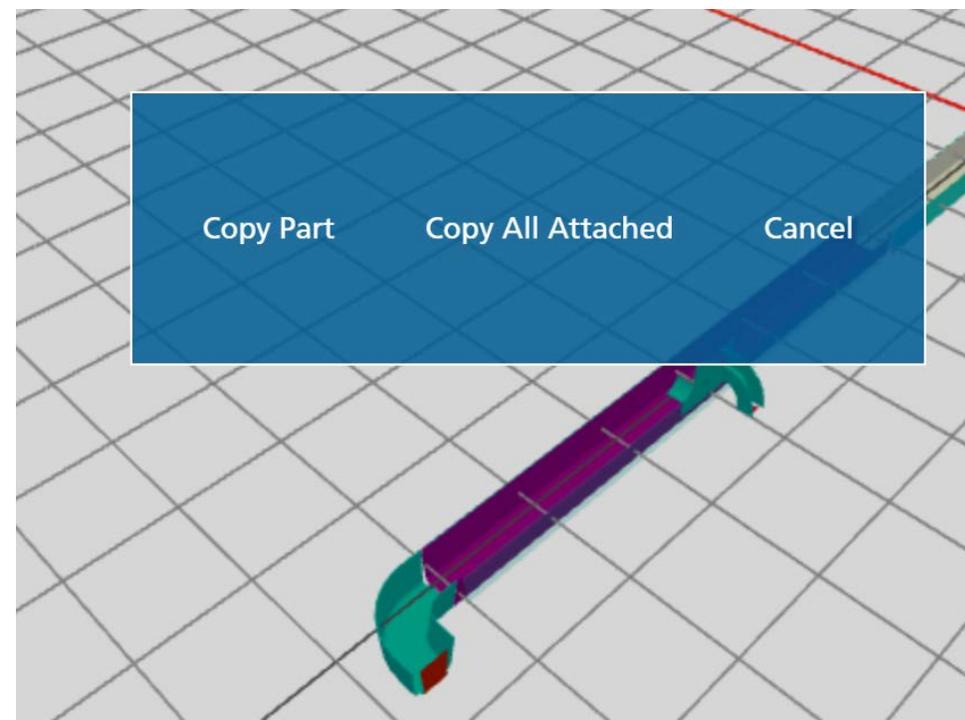
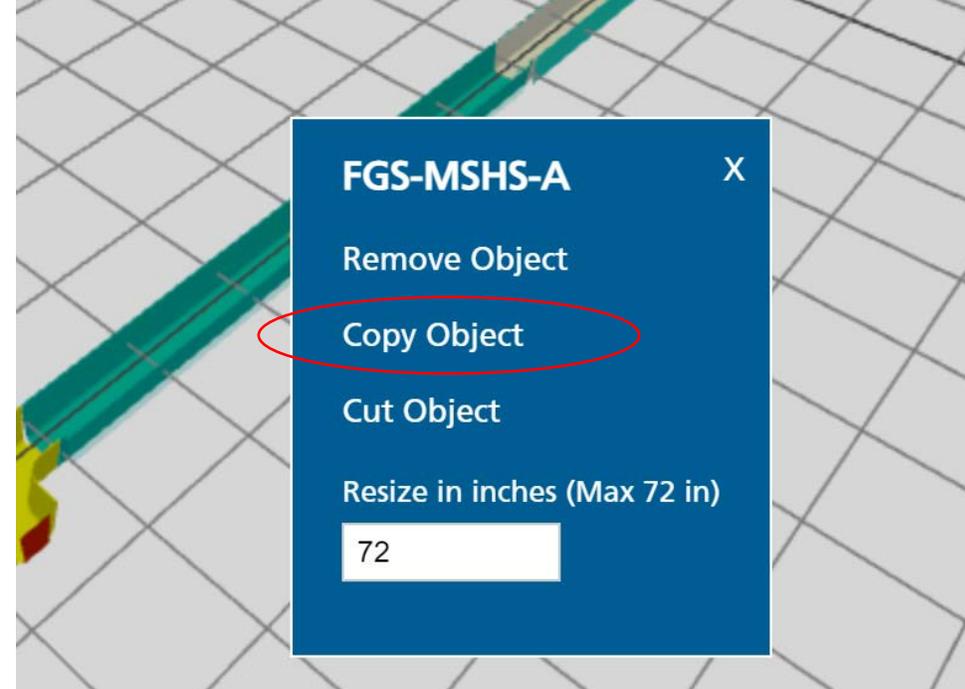


# Copy Object

To copy a piece right click on it and select *Copy Object*.

A pop-up will ask if you want to copy only the selected part or copy all attached to it.

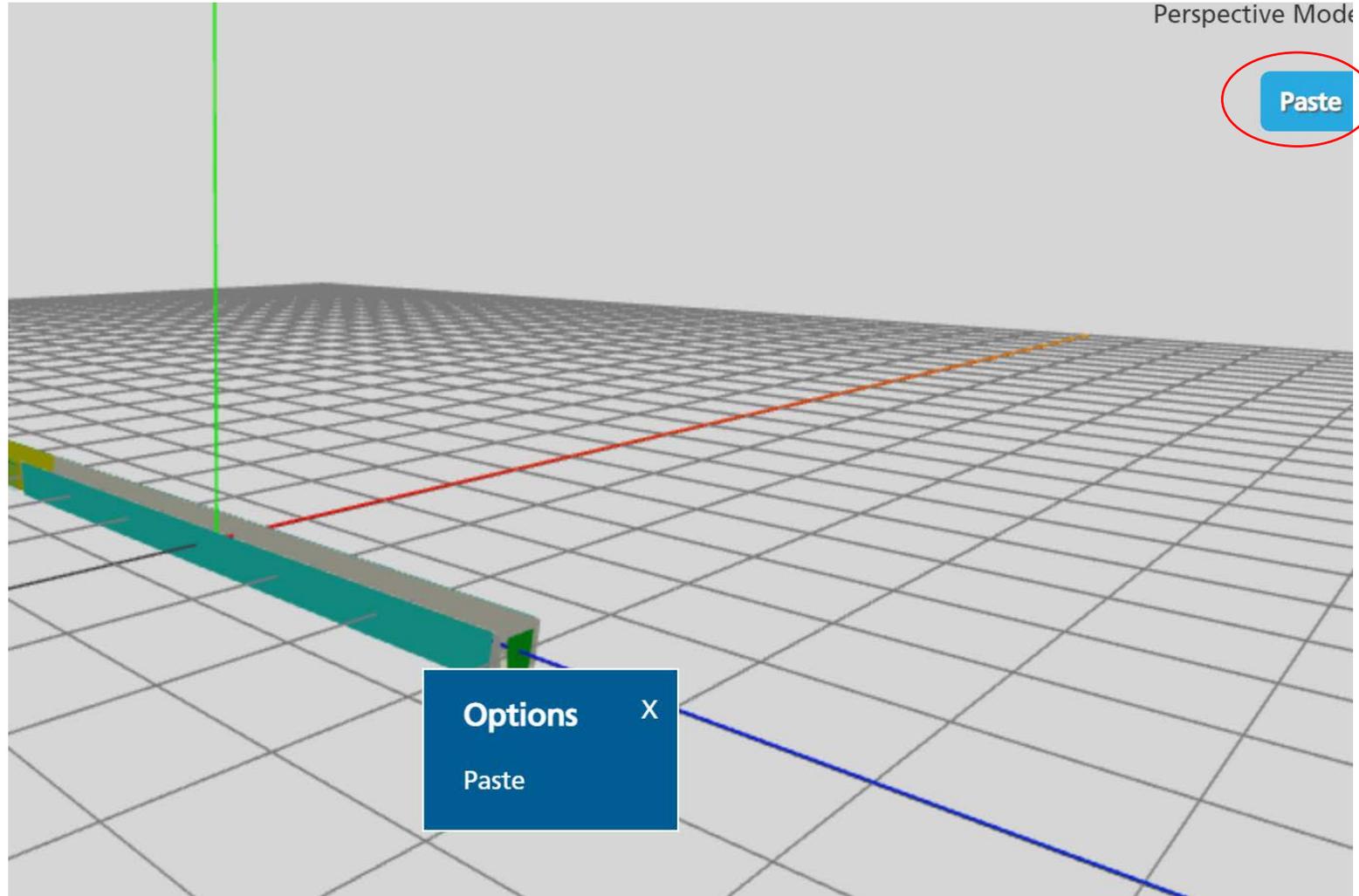
Copying all attached will copy all parts connected to the part you have selected. The parts that would be copied will be highlighted physically in blue and purple so you know what will be copied.



# Paste Copied Object

To paste a piece(s) you have copied, hover over a red end-face until it turns green. Right click it and select *Paste*.

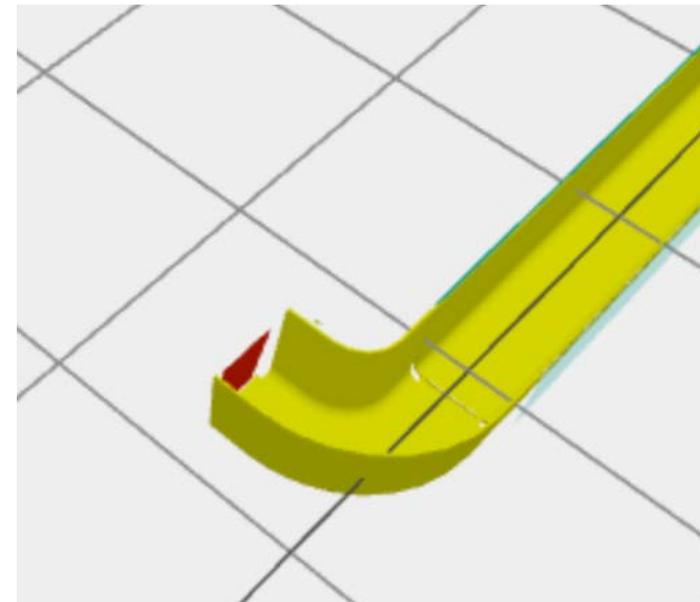
You can also start a new run with the copied piece(s) by selecting *Paste* in the upper right-hand corner of the screen.



# Flip Connection

To flip a piece's connection point, right click it and select *Flip Connection*.

In this example, the elbow was facing right and now it is facing left.



## Resize a Straight Section

To resize a straight section, right-click it and type in the new size you would like to it be.

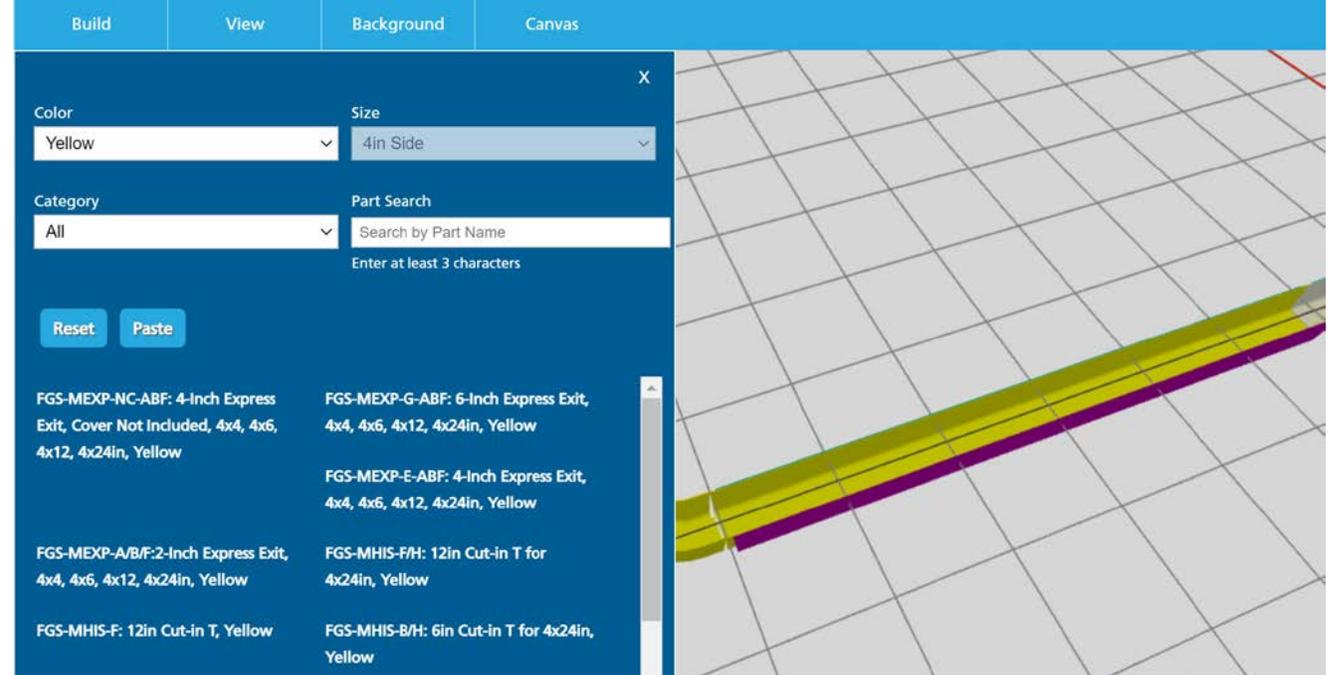
The BOM will auto-calculate how long cut-straight sections are and figure out how many whole pieces you would need for the design.



# Placing an Express Exit or Cut-in T

Hover over the size of a straight section until it turns from blue to purple. Select the side. The Build menu will bring you to pieces that attach to the side only. Select the piece you want from the menu.

The piece will be added to the middle of the straight section. You can then double-click it to get a red arrow to move it along the side of the straight section. You can add as many express exits will fit along the length.





# Processing to Drawings and BOM

# Check and Process Design

Once your design is done, scroll down to the bottom of the screen and select *Save Draft* to save your work and continue working on it later or *Check and Process* create the drawings and BOM.

Project Info \* Brackets Covers & Drawings \*

Project Name/Number \* 249314711-02/26/2021 - 12:59

Date \*

02/26/2021  
E.g., 02/27/2021

Site

End Customer

**Save Draft** **Check and Process**

# Check and Process Design

After clicking *Check and Process* the next screen will show you the draft results and confirm if everything looks good to process. If so, click *Process Configuration*. If not, click *Edit* to go back and fix any errors.

The screenshot displays a web application interface for managing a draft order. At the top, there is a dark navigation bar with 'Home' and 'Logout' links. Below this, a breadcrumb trail shows 'Home » Draft: Order 1160'. A prominent green message box with a checkmark icon states: 'Everything looks good! Click "Process Configuration" to submit your order.' The main content area is titled 'Draft: Order 1160' and lists the following details: 'Project Name/Number: 249314711-02/26/2021 - 12:59', 'Date: Friday, February 26, 2021', 'Covers: 0', 'Cover Type: Snap-On', 'Show Covers on Drawing: 0', and 'Show Junctions on Drawing: 0'. At the bottom of this section, there are three buttons: 'Edit', 'Process Configuration', and 'Delete'. The 'Process Configuration' button is circled in red, indicating it is the next step in the process.

# Results

After the design is processed, you will be brought back to the dashboard where you will see your design under *My Orders*.

Under *Operations* select *Results* to see the Drawings and BOM.

Please note that the results screen might be empty as your design is being processed. Please give it time to build.

The Excel is the BOM

The 2 PDFs are the 2D and 3D drawings.

## My Orders

Product:  Submitted:  Archived:

Order ID	Project Number	Created	Updated	Submitted	Operations
1,160	249314711-02/26/2021 - 12:59	02/26/2021 - 12:59	02/26/2021 - 13:19	✓ (02/26/2021 - 13:19)	<a href="#">preview</a>   <a href="#">edit</a>   <a href="#">archive</a>   <a href="#">replicate</a>
1,159	1301055908-02/23/2021 - 10:04	02/23/2021 - 10:04	02/23/2021 - 10:17	✓ (02/23/2021 - 10:17)	<a href="#">preview</a>   <a href="#">edit</a>   <a href="#">results</a>   <a href="#">archive</a>   <a href="#">replicate</a>
1,158	243532011-02/23/2021 - 09:10	02/23/2021 - 09:10	02/23/2021 - 09:10	✗	<a href="#">preview</a>   <a href="#">edit</a>   <a href="#">archive</a>   <a href="#">replicate</a>
1,155	1686270691-02/22/2021 - 09:39	02/22/2021 - 09:39	02/22/2021 - 09:40	✓ (02/22/2021 - 09:40)	<a href="#">preview</a>   <a href="#">edit</a>   <a href="#">results</a>   <a href="#">archive</a>   <a href="#">replicate</a>

Home » Submitted: Order 1155 » Results

## Results

File listing generated in: 370ms

Order 1155 Results		
Filename	Date	Action
 1155.txt	02/26/21	
 ORDER_1155.xlsx	02/26/21	
 ORDER_1155_2D.pdf	02/26/21	
 ORDER_1155_3D.pdf	02/26/21	

Questions or Comments please  
reach out to Holly Simons

Holly Simons

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1-952-258-3085