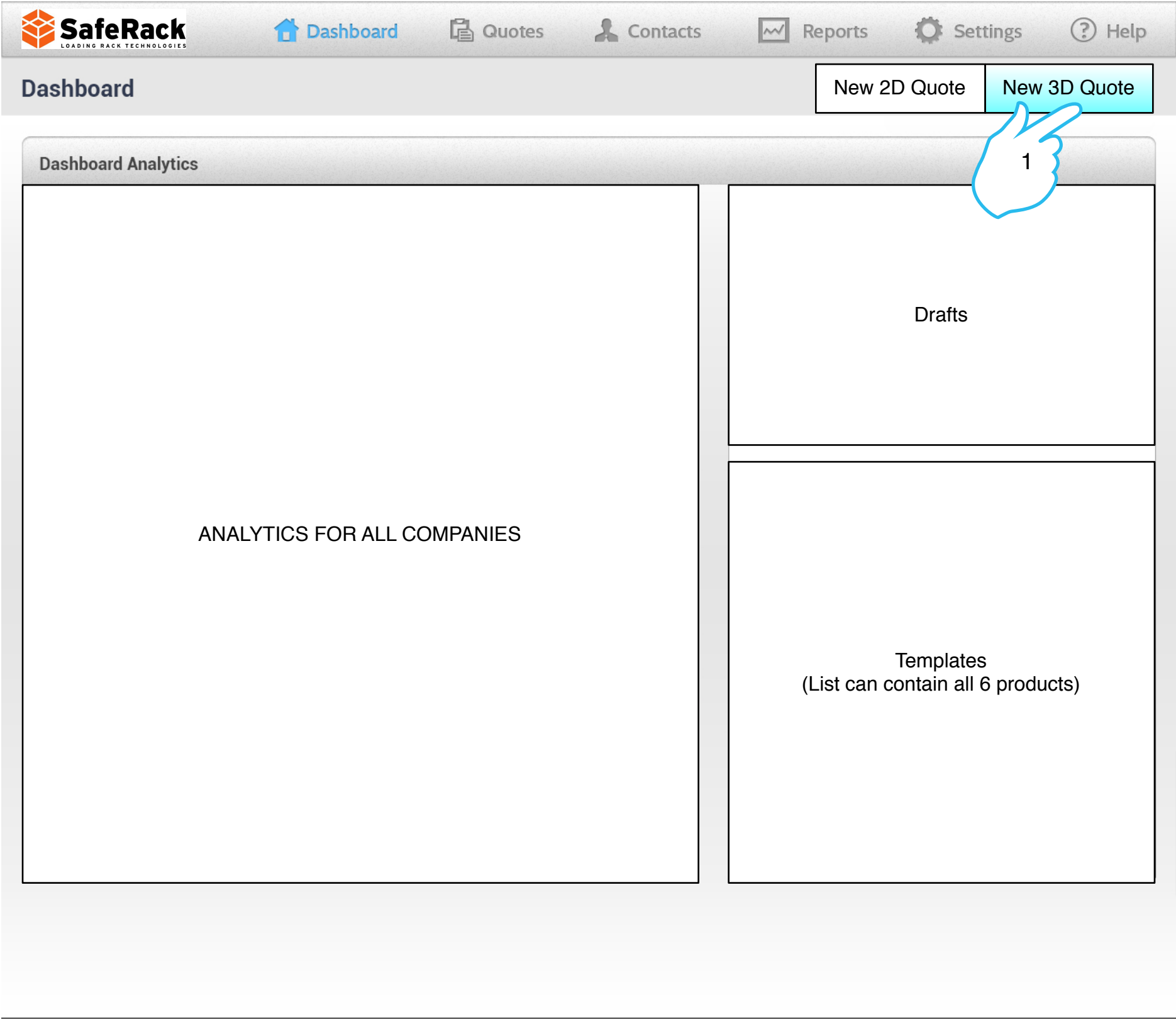


SafeRack Load Screen from SRP



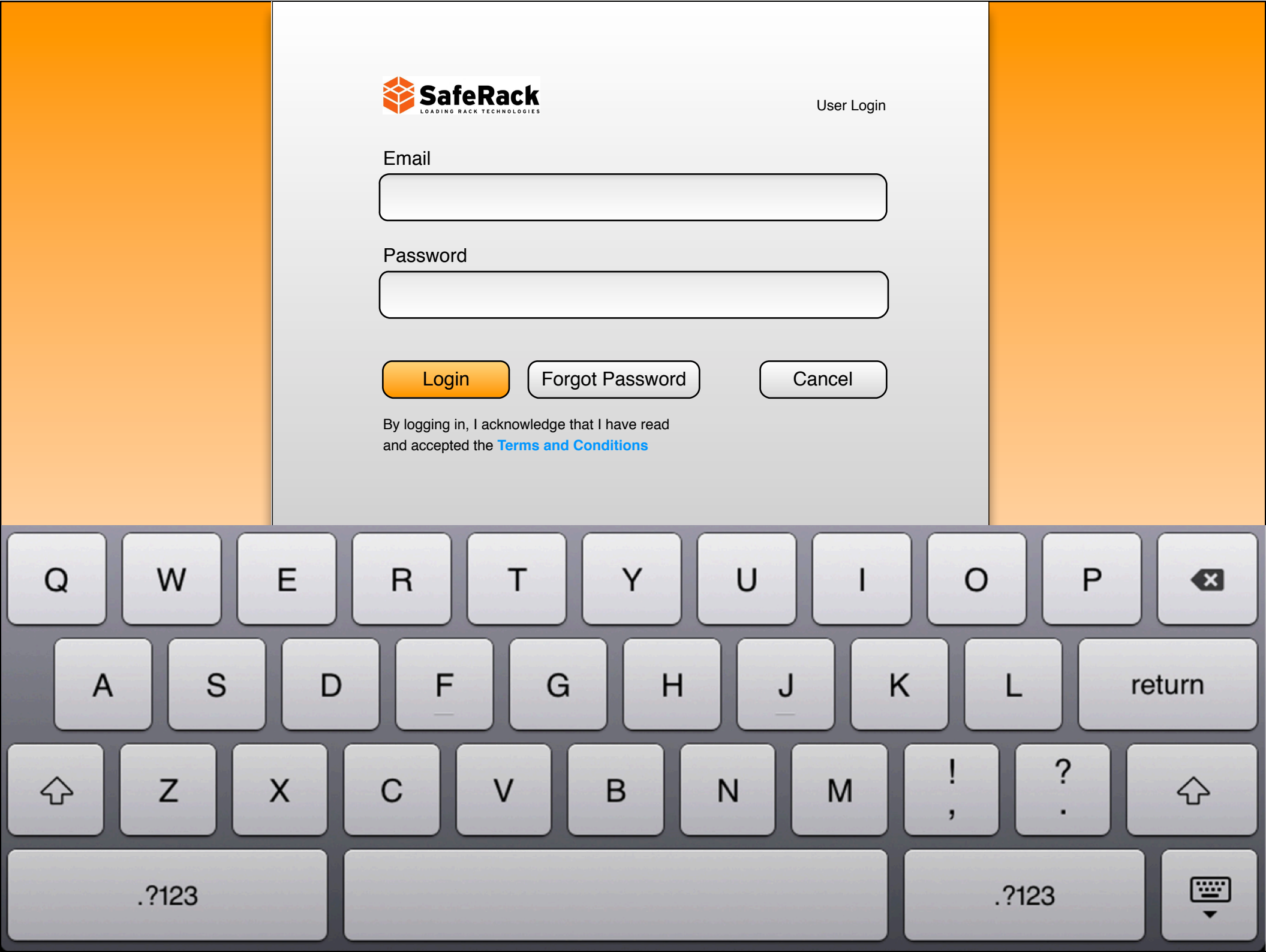
1. The user selects a New 3D Quote from the SRP dashboard. The user is then placed into the 3D buildspace to choose a product line.

Arriving at the Splash Screen



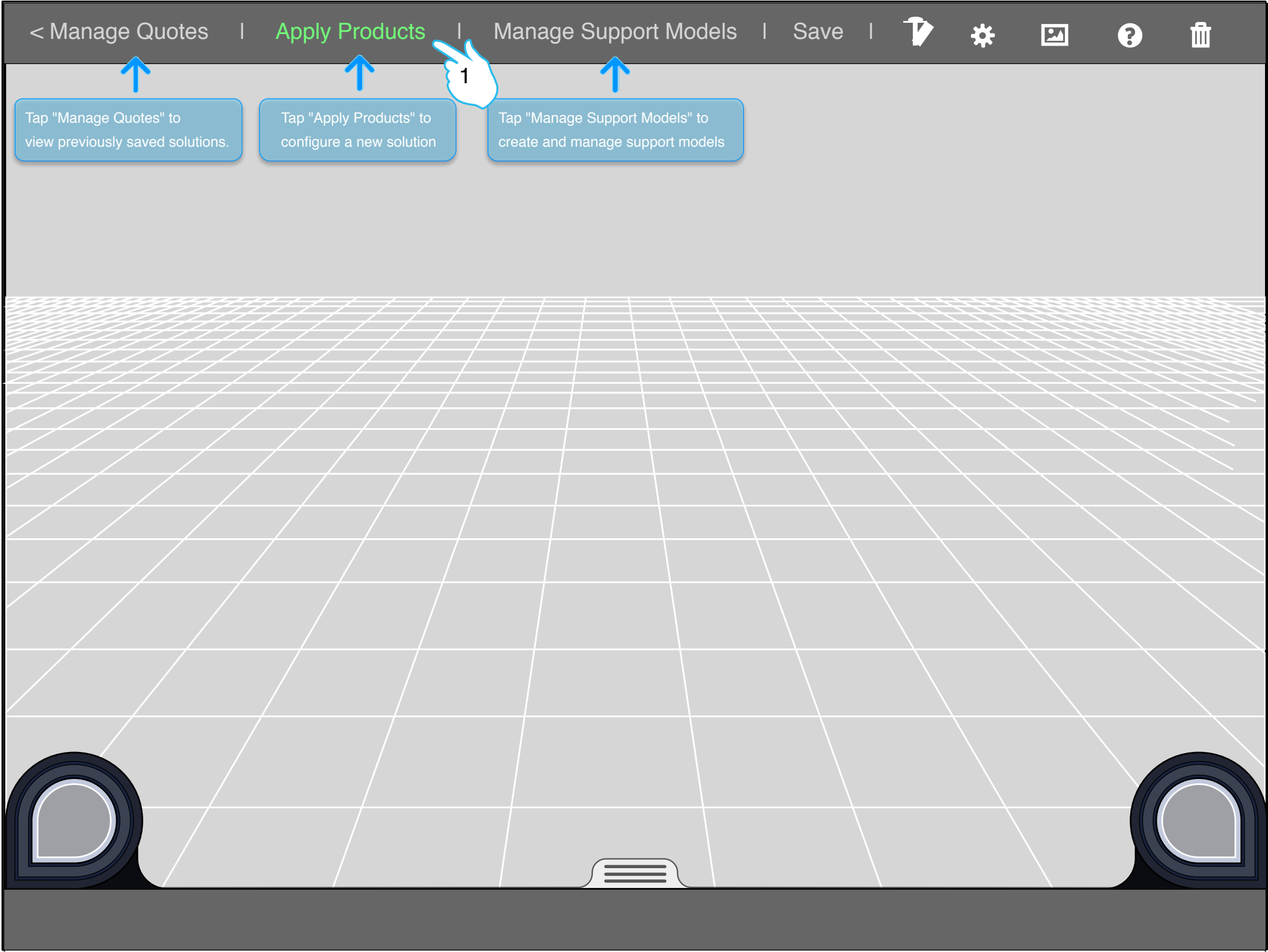
1. Here we can see that the user lands on the splash screen while the application loads.

The Login Screen



1. Here we can see that the user lands on the login screen to enter the application.

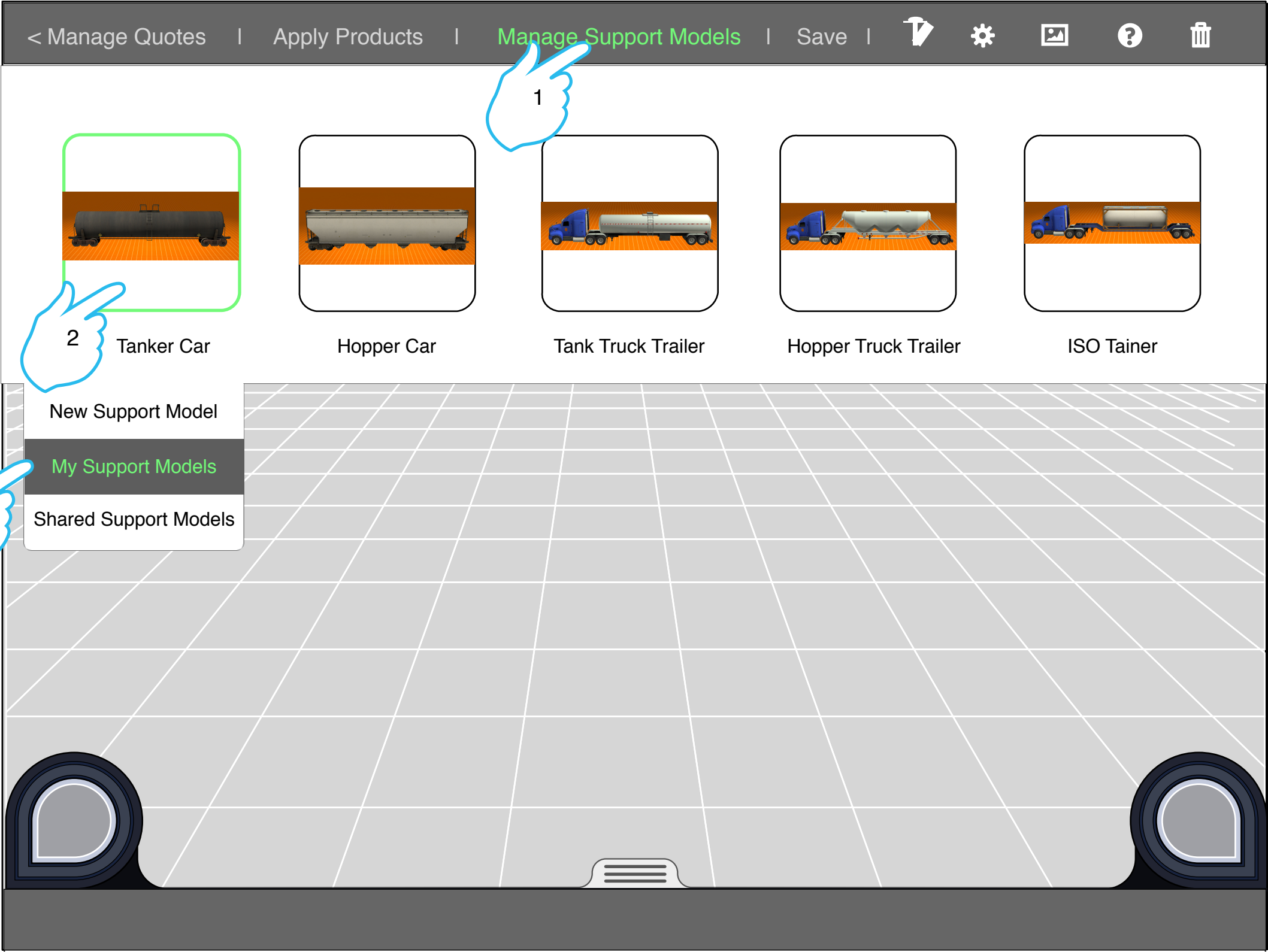
Starting options - Choosing Support Models vs Products



1. Here we can see that the user has the ability to edit and manage his support models.

The "Manage Support Models" section is in its own a configurator to only create and save support models so that they can be used in a product build.

Choosing a Support Model - New Support Model








1. Here we can see that the user has the ability to start with a product or a support model.

it is likely more appropriate to start with a support model because the product will often need to interact with the support model for specific sizing.

2. The user then chooses the Support Model they wish to start with. A tanker car is chosen

3. A second menu opens to reveal options. "My support models" will reveal a modal with an image and specs of each of the user's saved support models.

Choosing a Support Model - My Support Models Modal

< Manage Quotes | Apply Products | Manage Support Models | Save |     

My Support Models

Show:


Tanker Car


Hopper Car

Tank Truck Trailer

Hopper Truck Trailer

ISO Tainer






4


Tanker 1

Use This Model




Tanker 2

Use This Model

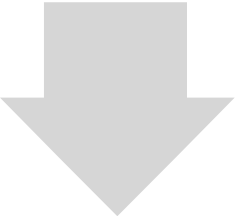


Tanker 3

Use This Model



List continues of My Support Models



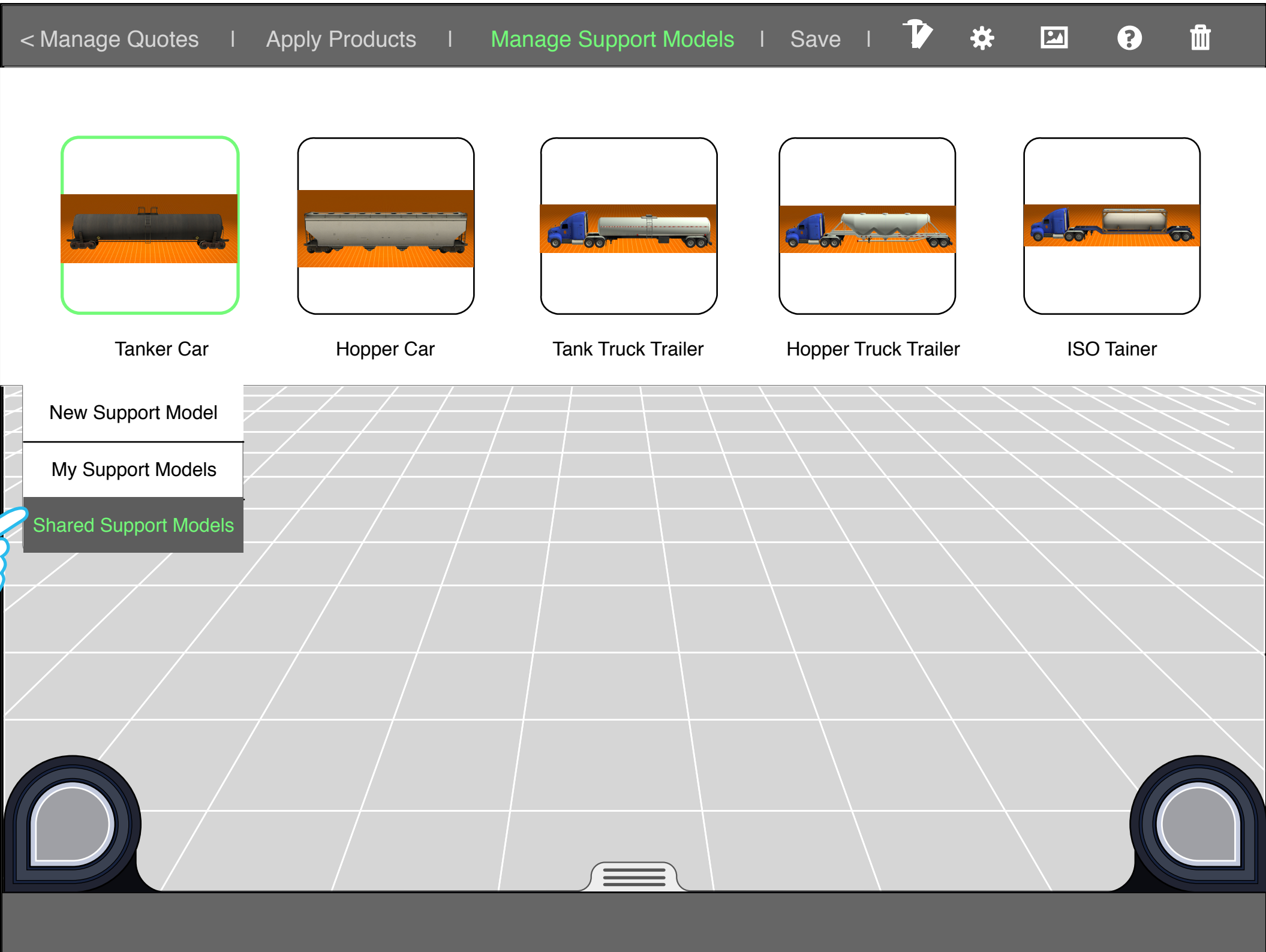
Minimum Height: 10'

Maximum Height: 12'

...Etc.

4. Here the user has chosen to view one of the support model tankers from his saved list. The model image is shown along with the list of shared tankers and their specs.

Choosing a Support Model - New Support Model



3. If the user chose "Shared Support Models" they would see a similar modal with the shared support models populated in the list.

Choosing a Support Model - Shared Support Models Modal

< Manage Quotes

|

Apply Products

|

Manage Support Models

|

Save

|

Shared Support Models

Show:

Tanker Car

Hopper Car

Tank Truck Trailer

Hopper Truck Trailer

ISO Tainer

Shared Tanker 1

Add to my list

Use This Model

Shared Tanker 2

Add to my list

Use This Model

Shared Tanker 3

Add to my list

Use This Model

List continues of Shared Support Models

Minimum Height: 10'

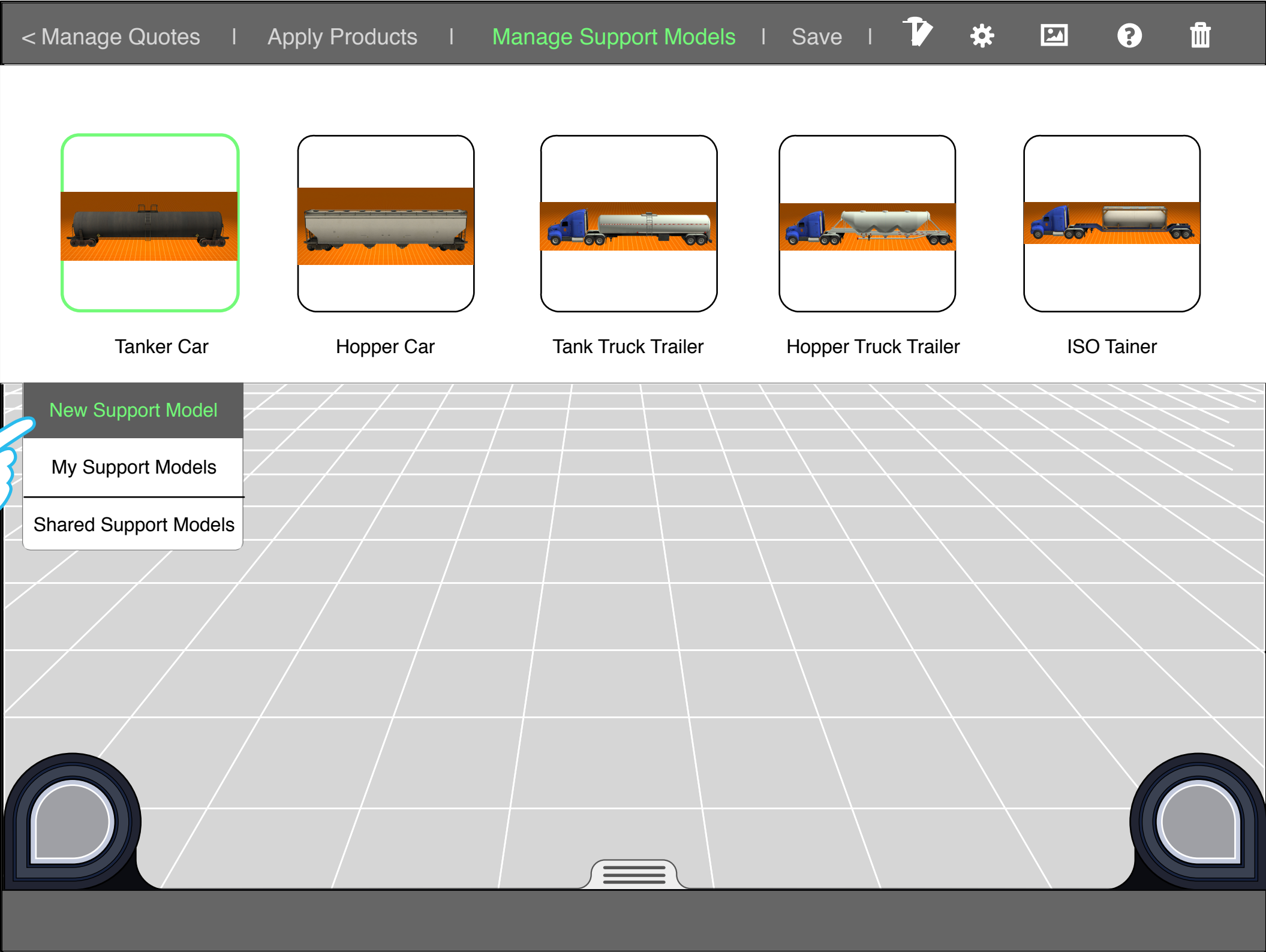
Maximum Height: 12'

Volume: 12,000 - 22,000 gals.

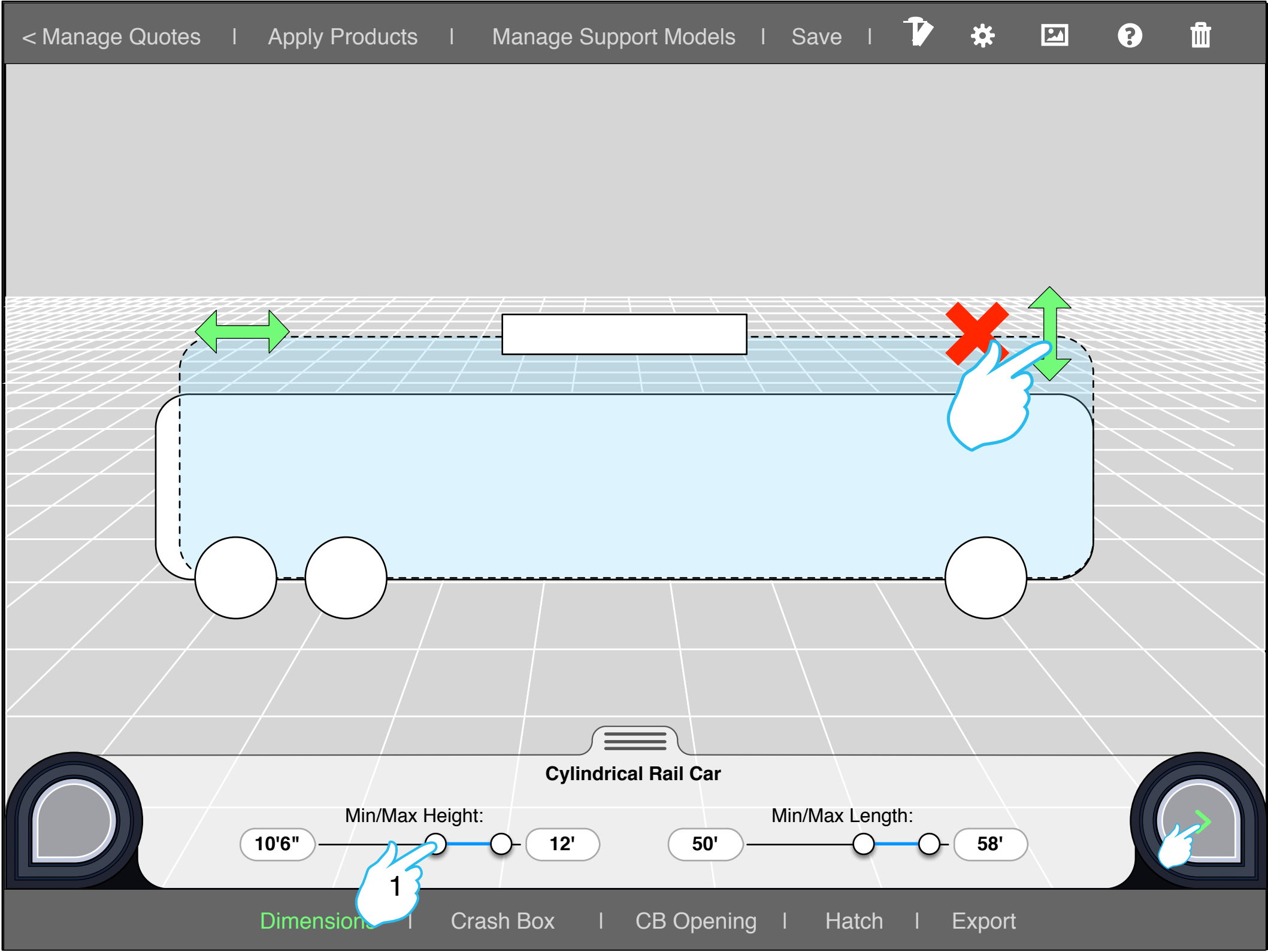
Etc.

4. Here the user has chosen to view one of the shared tankers from the previous slide. The model image is shown along with the list of shared tankers and their specs.

Choosing a Support Mode - New Support Model



Section 1 - Sizing a Support Model

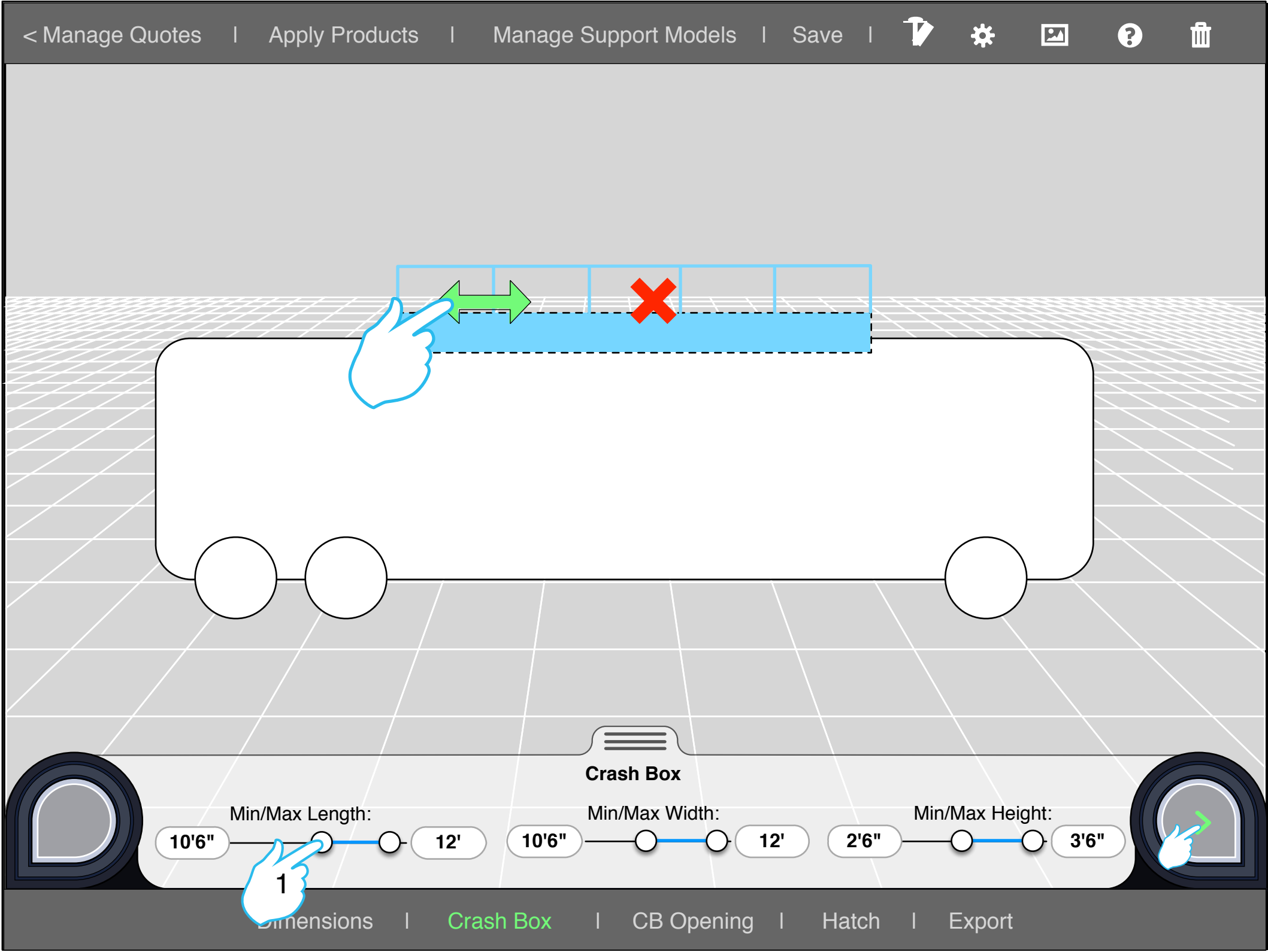


1. We can see that the user is on the Height section of the Support Model navigation. Here the user adjusts the min/max height of the cylinder of the tanker.

NOTE: Adjusting can be done via the POP controls or by the size affordance on the model

NOTE: Sections of the footer navigation do not need to be completed in order.
EXAMPLE: Once a Support model is created to the desired look, a user can move to export.

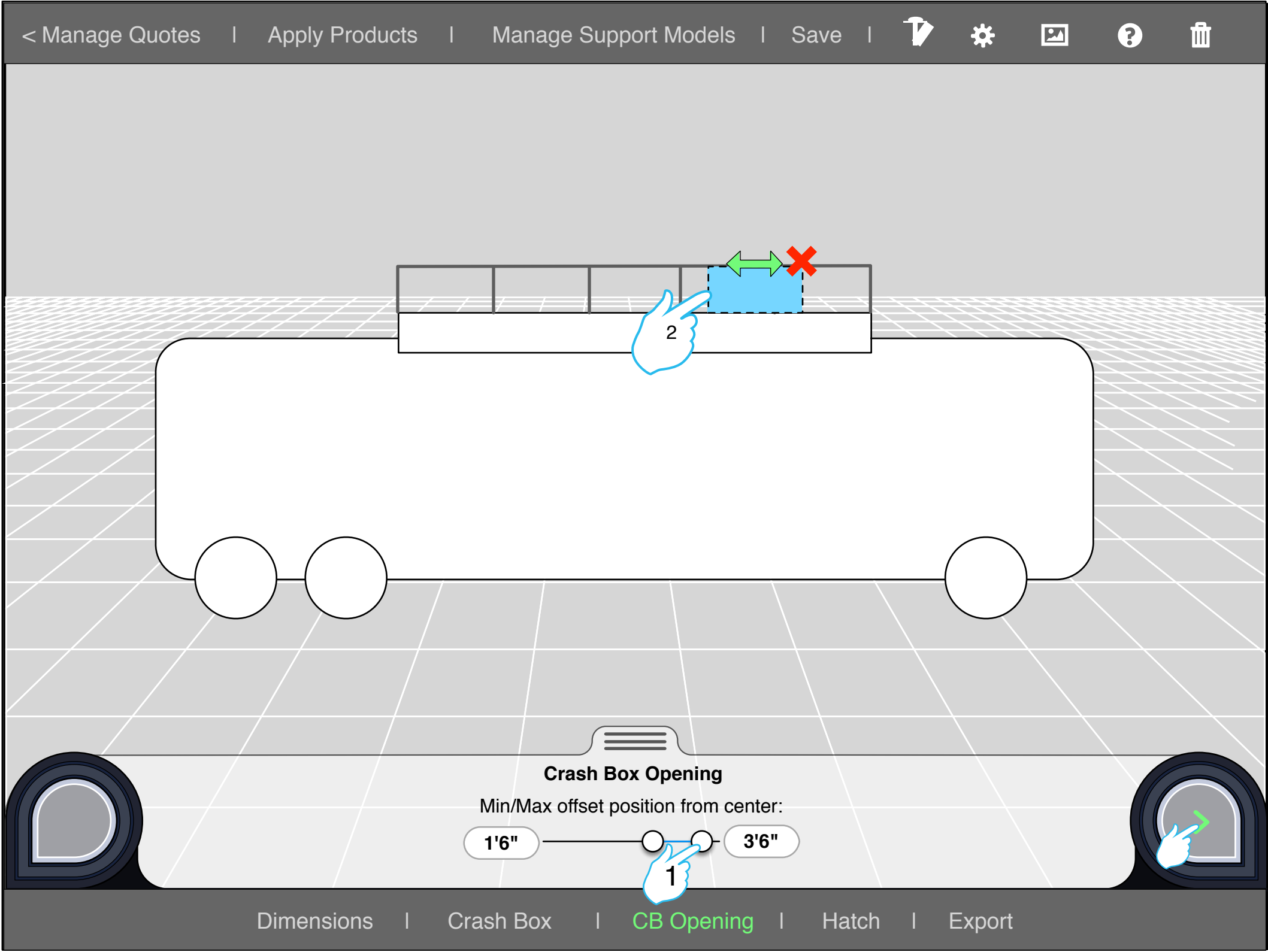
Section 2 - Placing the Crash Box



1. We can see that the user is on the Crash Box section of the Support Model navigation. Here the user adjusts the dimensions of the crash box.

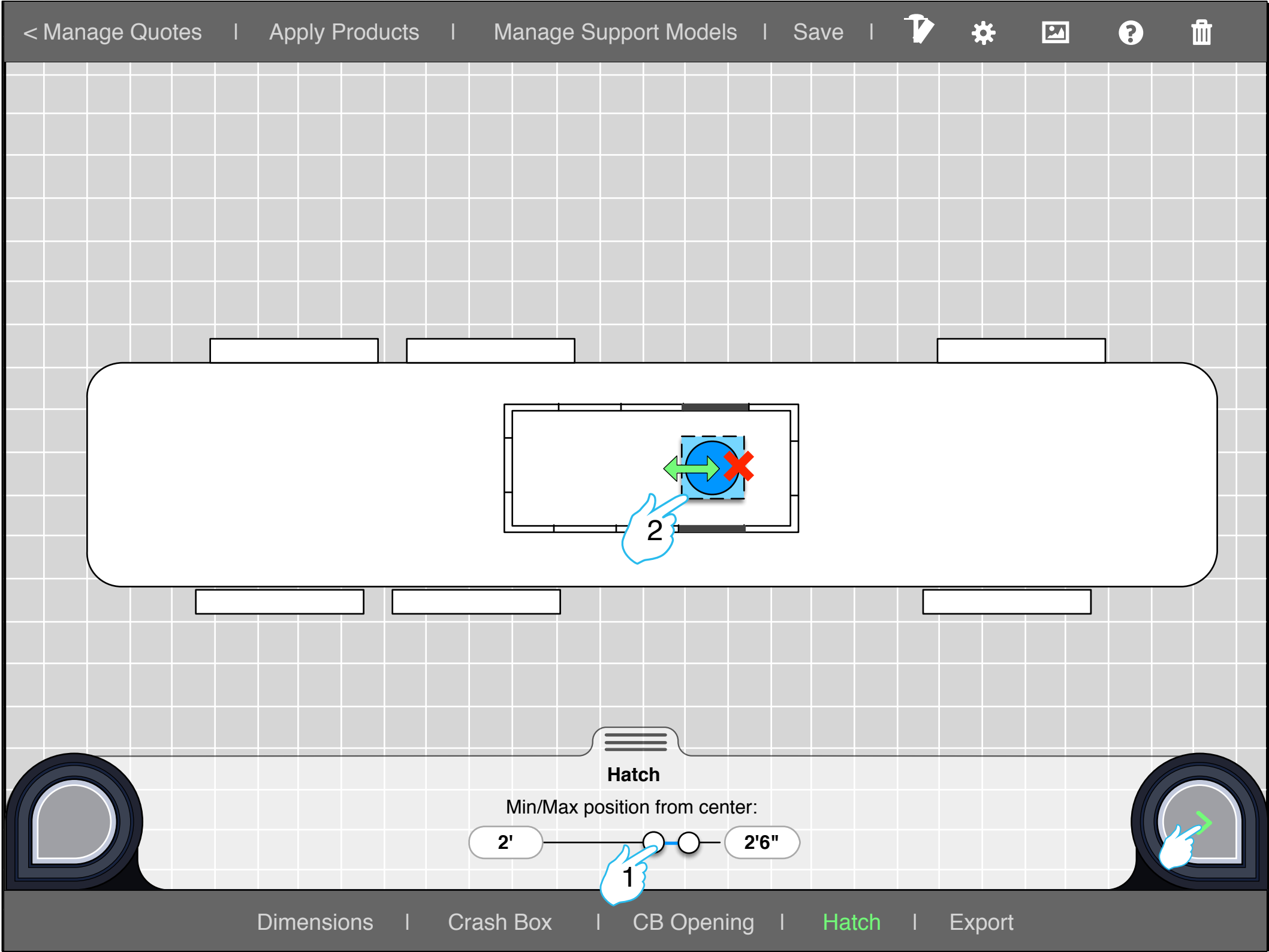
NOTE: Adjusting can be done via the POP controls or by the size affordance on the model.

Section 3 - Placing the Crash Box openings



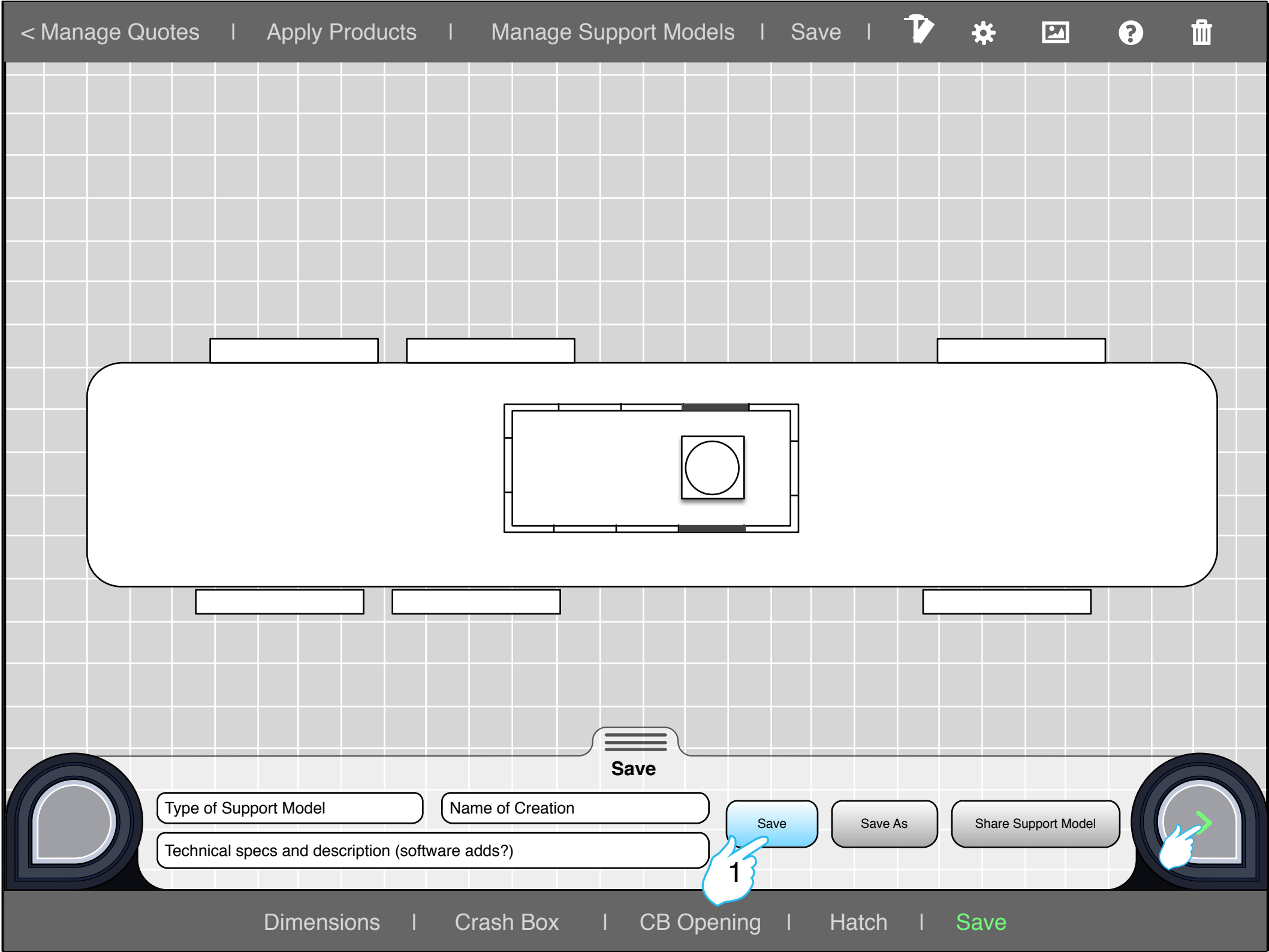
- 1. We can see that the user is on the Crash Box Opening section of the Support Model navigation. Here the user adjusts the location and width of the crash box opening.
- 2. The opening is also placed on the opposing side directly across from the first one created.

Section 4 - Placing the Hatch



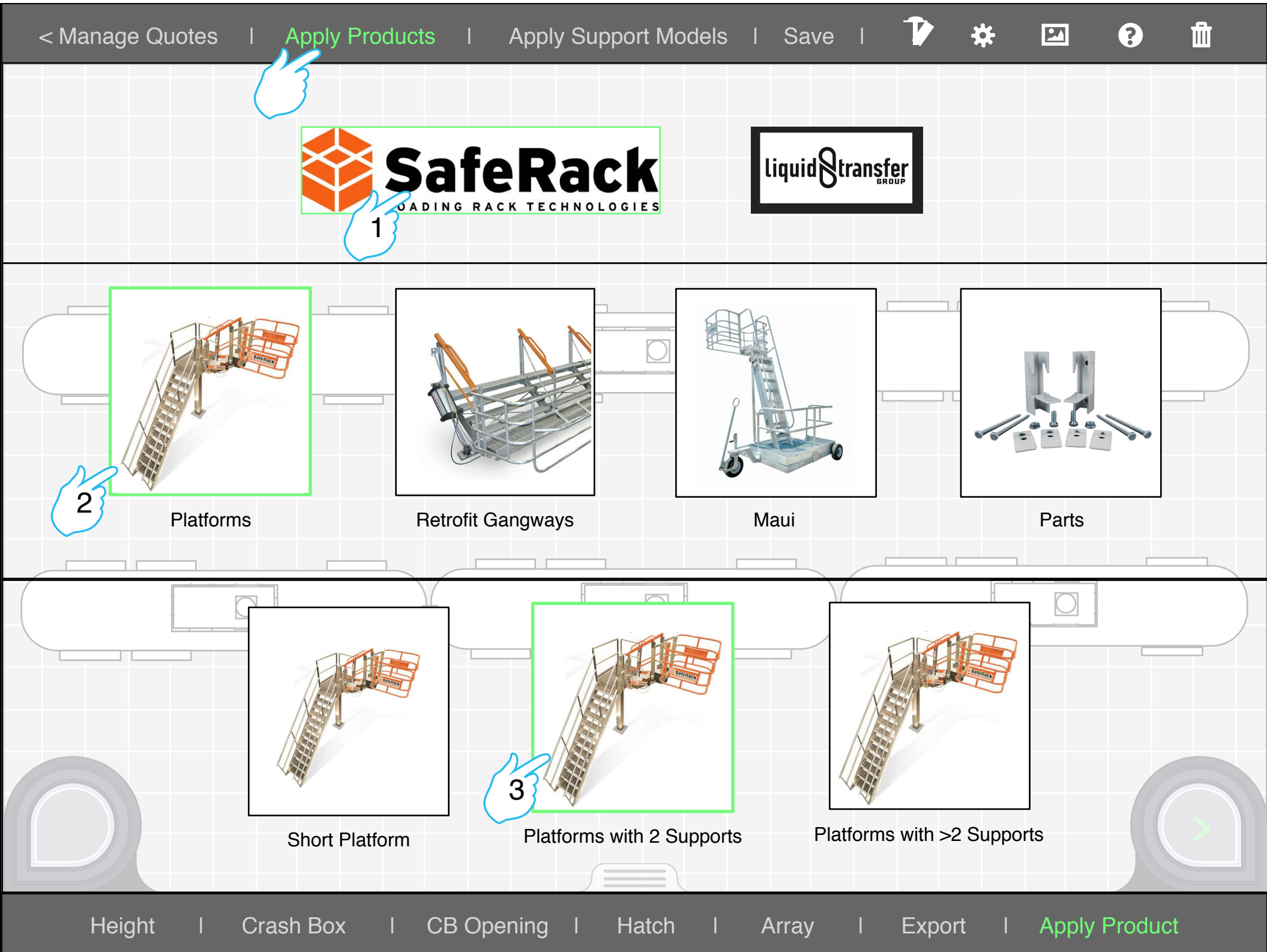
- 1. We can see that the user is on the Hatch section of the Support Model navigation. Here the user adjusts the location of the hatch.
- 2. The hatch will default to be centered with the openings. However the user can move the hatch to a different desired location if need be.

Section 4 - Placing the Hatch



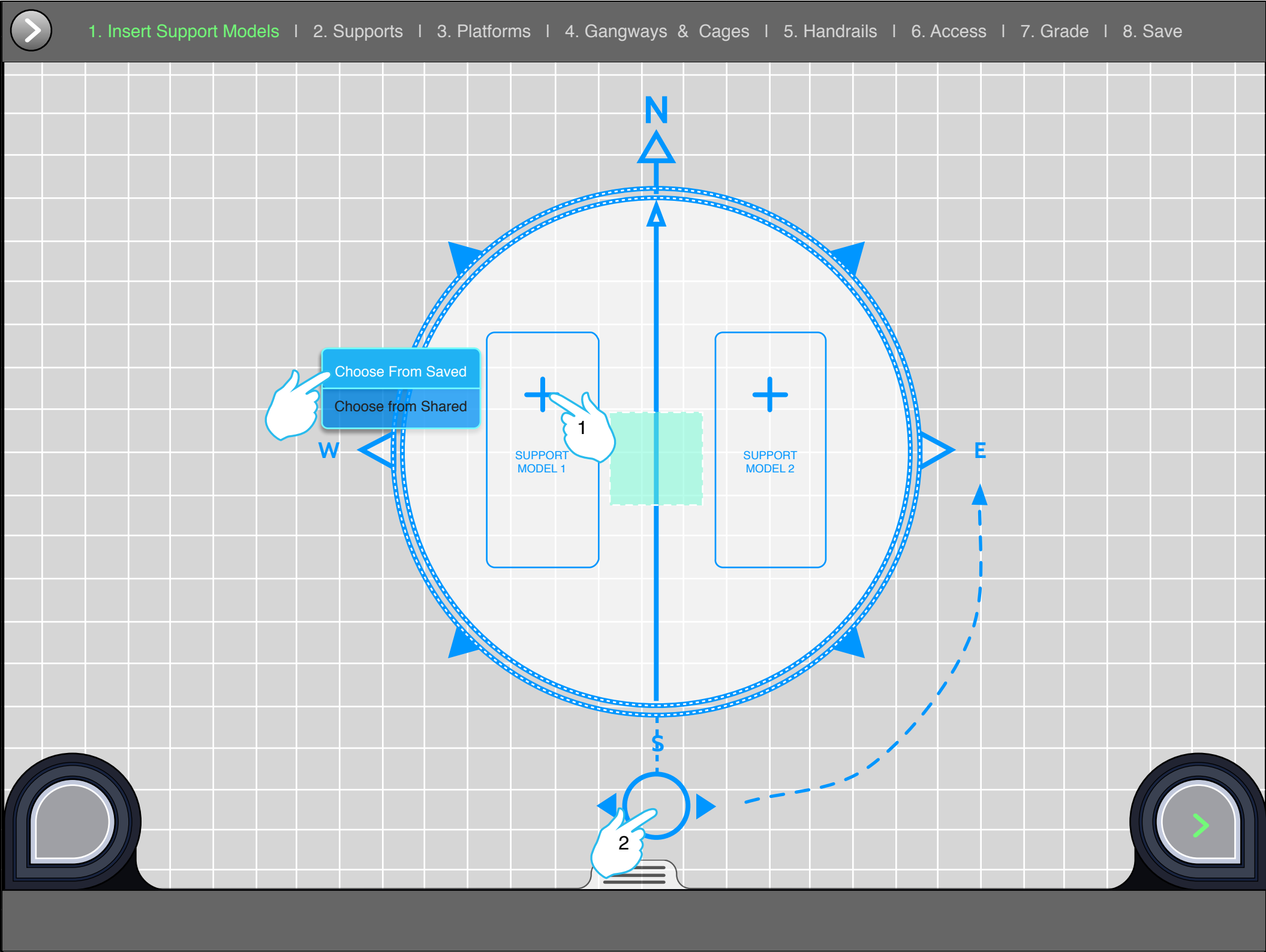
1. We can see that the user is on the Save section of the Support Model navigation.
- Here the user can save one of the cars he has created.
- The name and spec description of the support model will be auto filled in if needed.
2. The user can choose more than one of the options for exporting. Save to "My Tank cars" and/or "Shared Tank cars"

Choosing a Product



1. Here the user has chosen Saferack as the company of the product they desire.
2. The user has chosen the platform product group.
3. The user has chosen the Long Platform to be used.

Using the Compass Rose



1. Here the compass rose appears for a secondary support model to be placed. If the user clicks on the "+" he will have to option to duplicate the current support model, choose from his list of saved support models, or from the shared list of support models.
2. The compass can be rotated to point the support models in conjunction with the product (Long platform) in the right direction.

Choosing a Support Model - My Support Models Modal

1. Insert Support Models | 2. Supports | 3. Platforms | 4. Gangways & Cages | 5. Handrails | 6. Access | 7. Grade | 8. Save

My Support Models

Filter:


Tanker Car

Hopper Car

Tank Truck Trailer

Hopper Truck Trailer

ISO Tainer



Specs and description

Tanker 1

Use This Model

Tanker 2

Use This Model

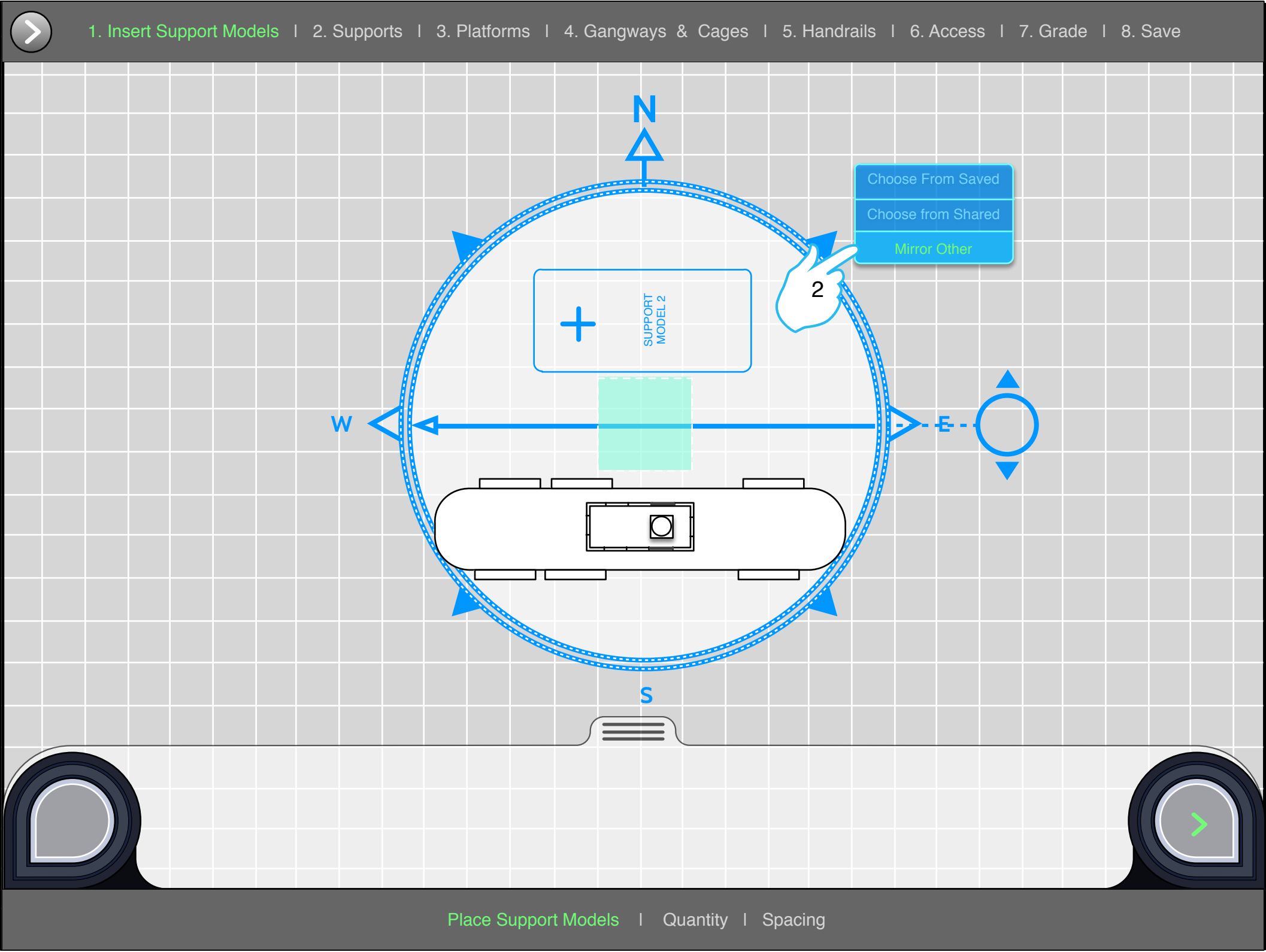
Tanker 3

Use This Model

List continues of My Support Models

1. Here the user has chosen to use one of the support model tankers from his saved list.

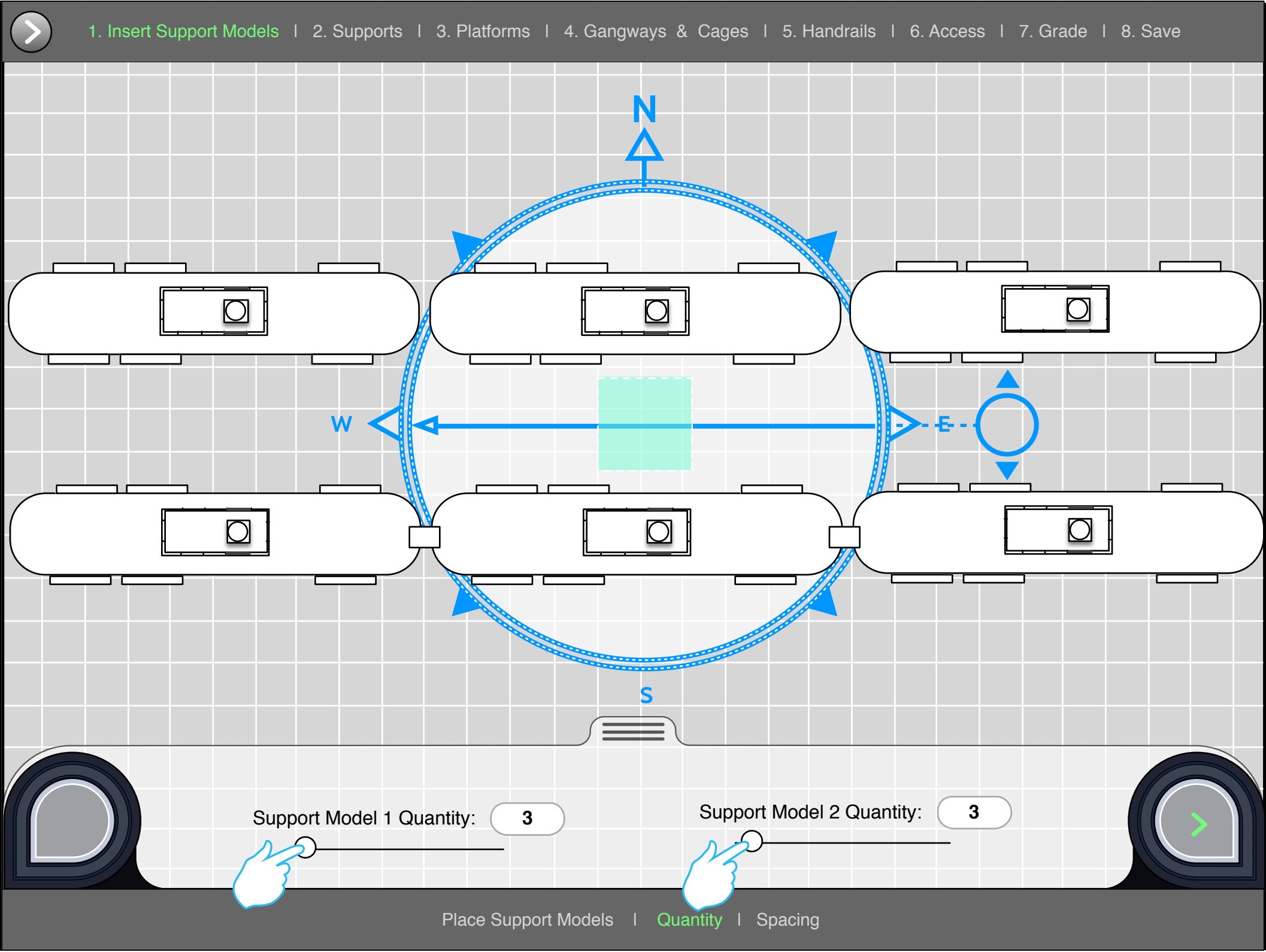
Using the Compass Rose



1. Here the user chooses how many support models he would like to have duplicated for support model #1.
2. The user decides to add a second support model to the East side of the compass by mirroring that of the first support model.
3. The user decides how many duplicates he would like for Support Model #2.

* New compass rose courtesy of M. Hamm

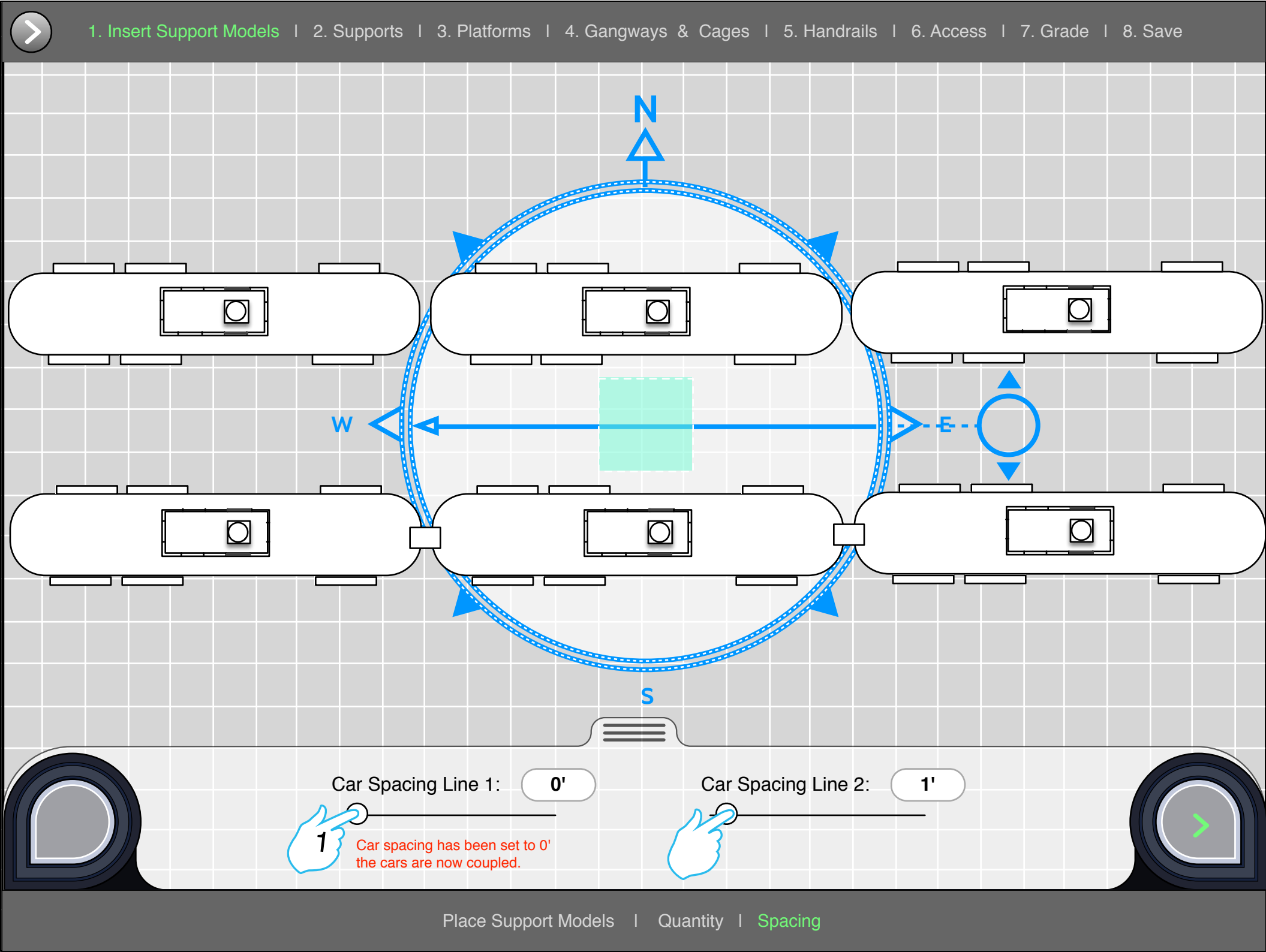
Using the Compass Rose



1. The user selects how many cars he would like in each line.

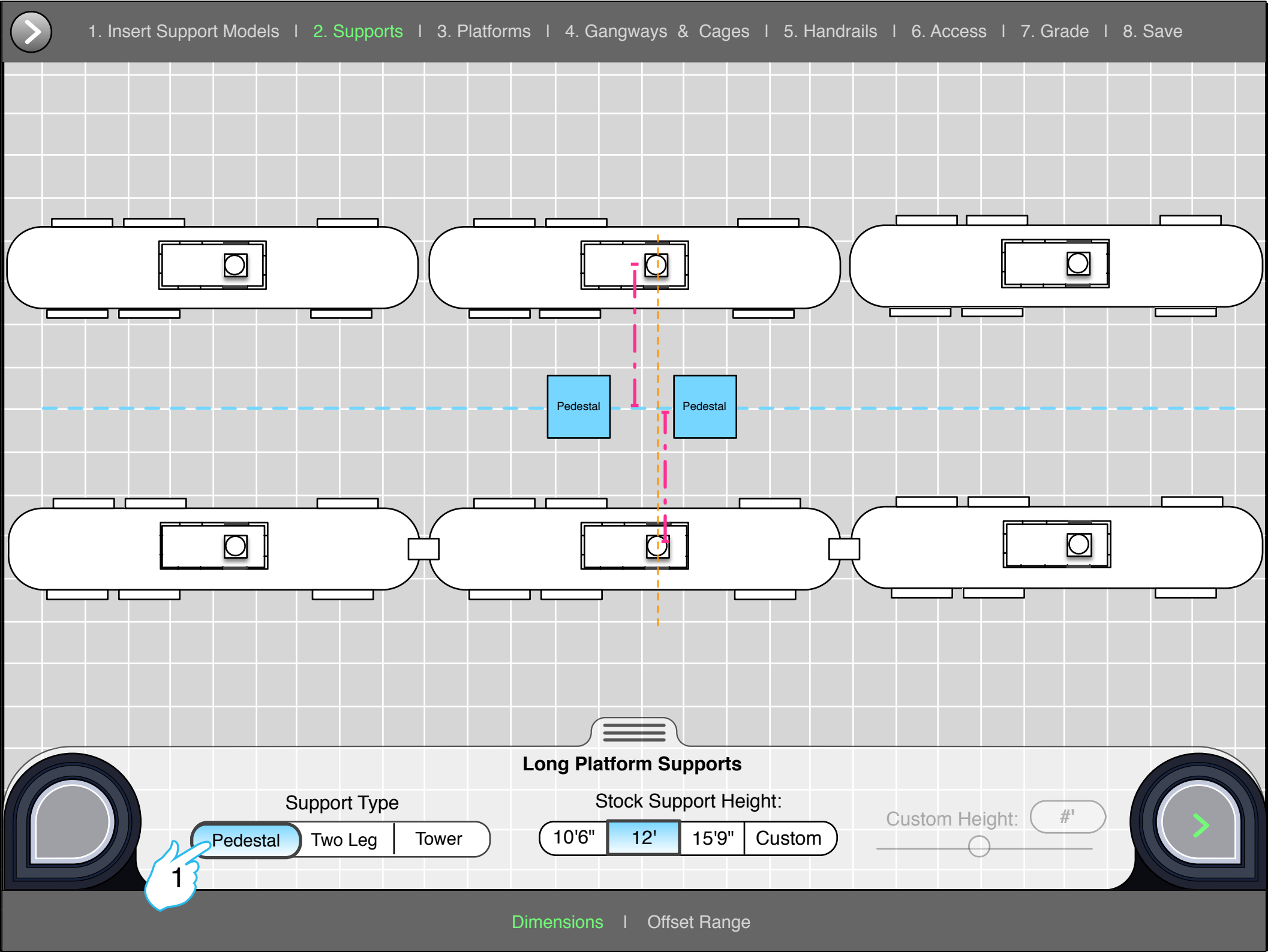
* New compass rose courtesy of M. Hamm

Car Spacing



1. Here the user can adjust the spacing between cars. **If a car spacing is set to 0' it means they are coupled.**

Choosing the Supports (view 1)



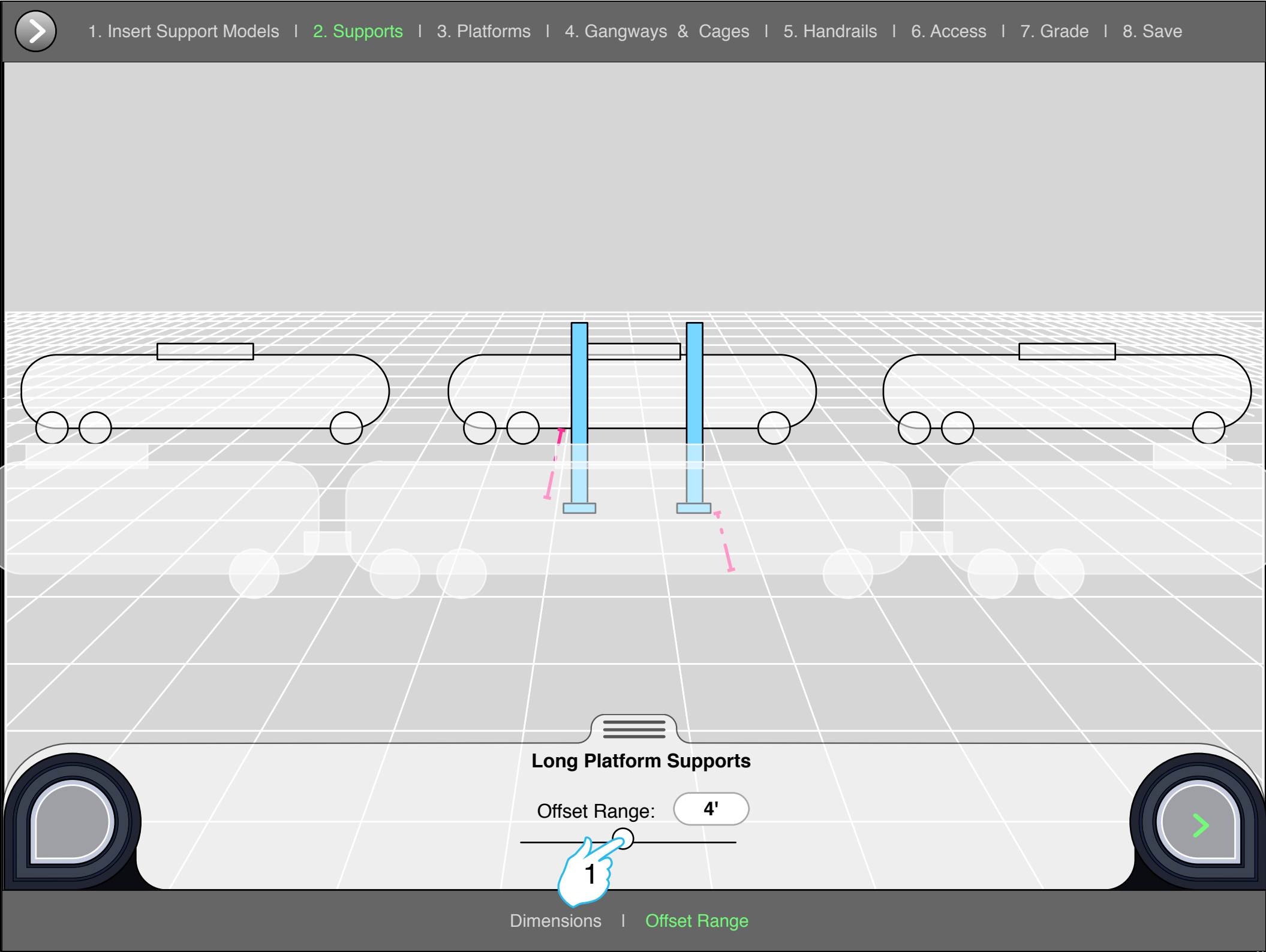
1. The user adjusts the size of the chosen pedestal. If the user chooses a custom height then manual sizing will need to be done on the pedestal itself or on the slider that will appear.

— Platform Centerline

Transverse Axis

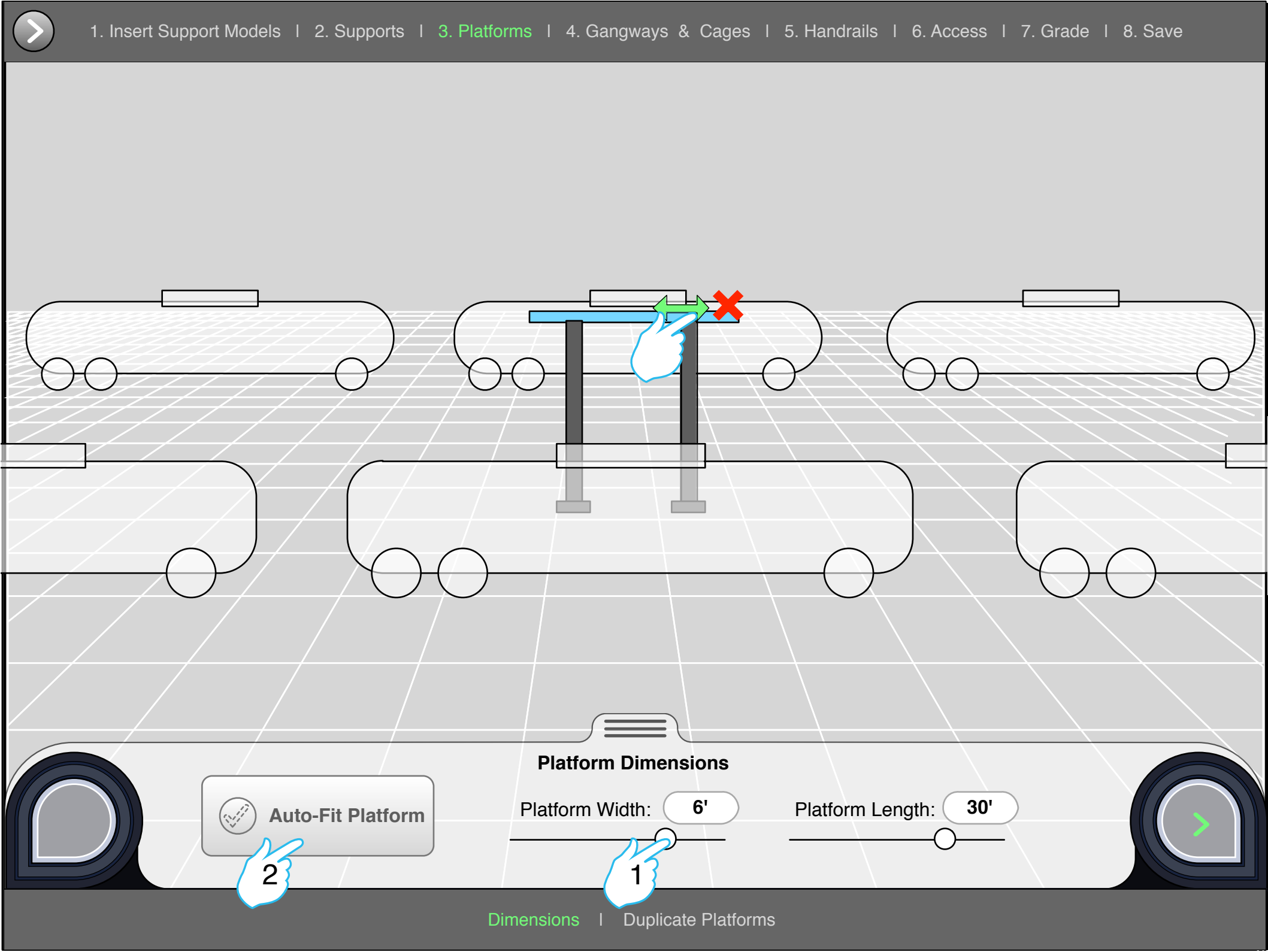
Offset Range

Inserting Platform Supports (view 2)



1. A side view of adjusting the offset range of the rail cars and platform supports.

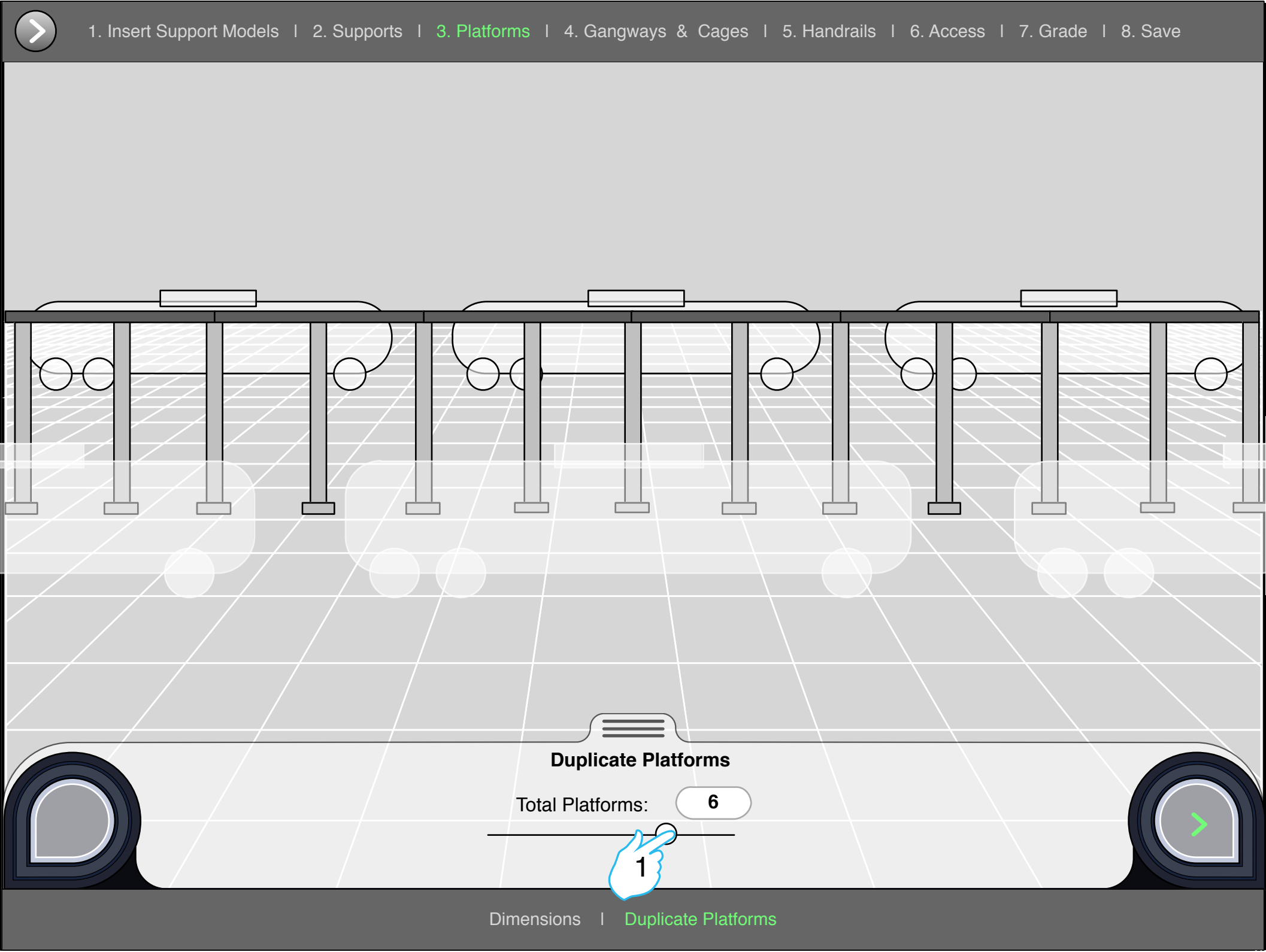
Adjusting the dimensions of the Long Platform



1. Here the user adjusts the dimensions of the Long platform.

2. If the user chooses to Auto-fit the platform, an algorithm will run to find the optimal platform solution.

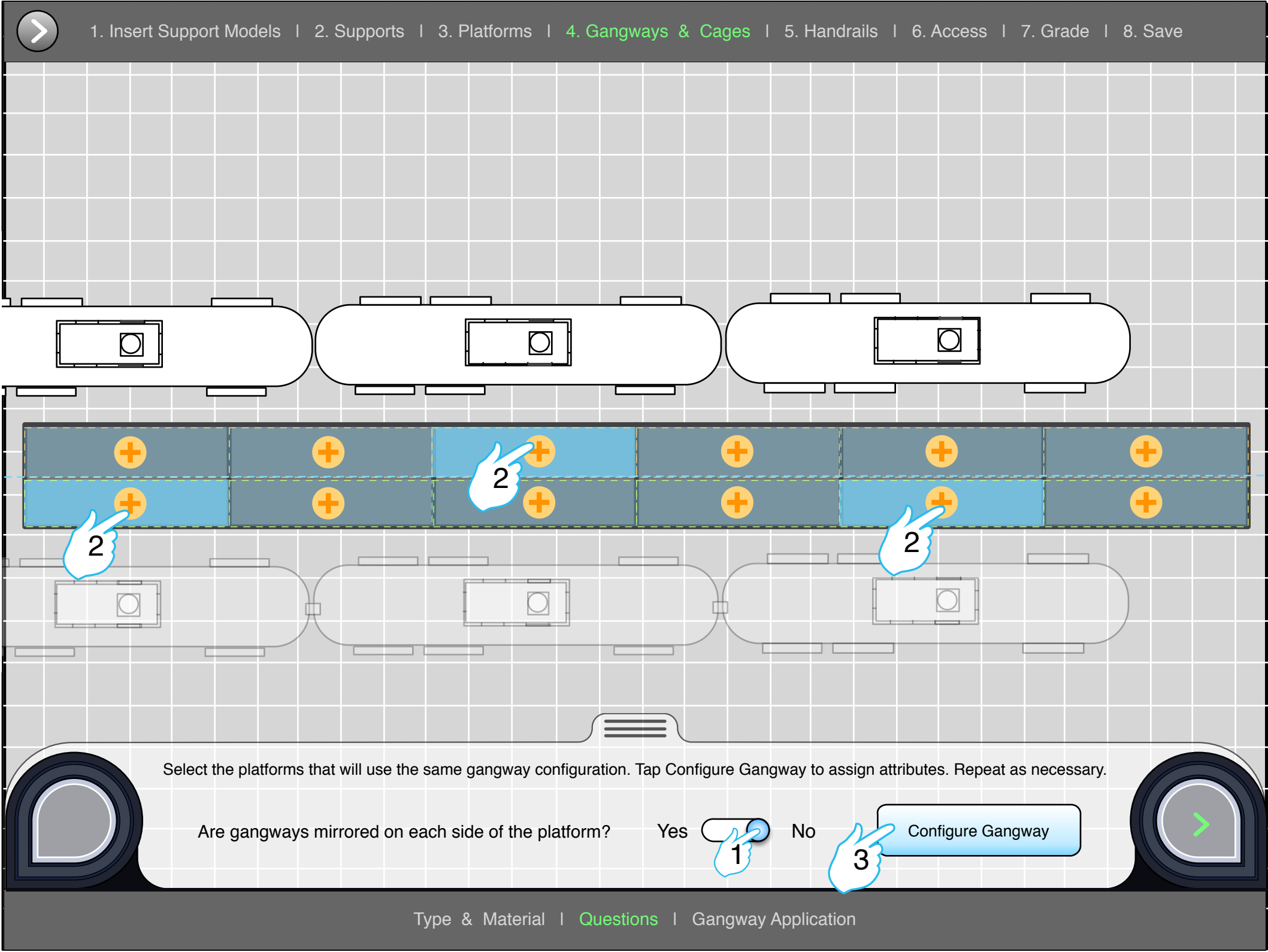
Duplicating Platforms



1. Here the user chooses how many platforms he wishes to have. He wishes to span the platforms the width of the car line.

NOTE:
Platforms supports are not allowed to be farther apart than 20 feet and have to rest on a seem where two platforms join so the supports populate to fulfill these rules?

Adding Gangways - Questions



- 1. In this section the user has to set some quick rules for their gangway configuration. After answering these questions the user will have to decide what platform(s) to start with for adding gangway.
- 2. The user will hit the "+" icon(s) to add gangway(s). The user will then enter the gangway modal to configure a gangway for the desired "tapped" location.
- 3. Continue into the modal by pressing the "Configure Gangway" button.


1. Gangways - Modal

1. Insert Support Models | 2. Supports | 3. Platforms | 4. Gangways & Cages | 5. Handrails | 6. Access | 7. Grade | 8. Save

Gangway Selection

1. Gangways

2. Cages



Gangway Type

FRT

SAS

SFR

Gangway Material

Aluminum

Stainless Steel

Galvanized

Dimensions

Gangway Width:

24"

36"

48"

60"

72"

Gangway Length (in steps):

3

4

5

6

7

Apply Notch

Yes

No

Loading Arms

Gangway Options

Apply Pneumatic Assist

Yes

No

Extend top handrail

Right

Left

None

FRT Exstension

Yes

No

FRT Angleclip

Yes

No

Next Cages

Type & Material | Questions | Gangway Application

1. In the gangway modal the user will choose the attributes that will be assigned to the gangway.

2. The user will then move onto the cages section of the modal.

1. Gangways - Modal

1. Insert Support Models | 2. Supports | 3. Platforms | 4. Gangways & Cages | 5. Handrails | 6. Access | 7. Grade | 8. Save

Cage Selection

1. Gangways2. Cages

Dimensions

Stock Heights:

1'2"

2'2"

3'2"

Cage Width:

8'

Cage Depth:

7'

Cage Offset:

7'

Cage Centering

Height:

Standard

+4"

+8"

Distance:

6 1/8"

9 13/16"

1'-1 13/16"

1'-5 13/16"

Cage Type

Standard

Pivoting Safety

Vertically Stored

Articulating Outboard Handrail

Cement Industry Left

Cement Industry Right

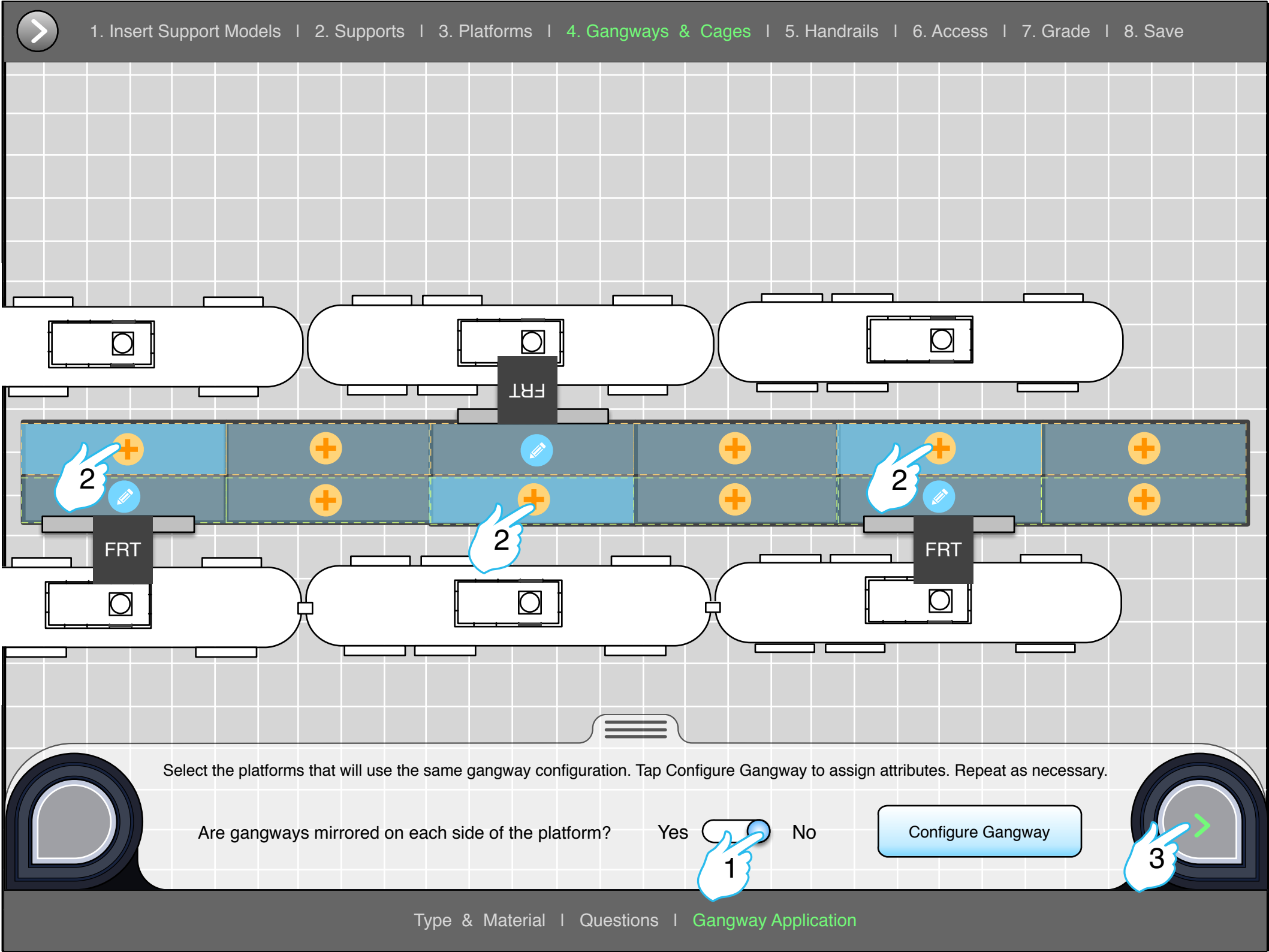
Apply Gangway

Type & Material | Questions | Gangway Application

1. In the cages section of the modal the user will choose the attributes that will be assigned to the cage.

2. The user will then apply these gangways to the "tapped" areas they previously selected.

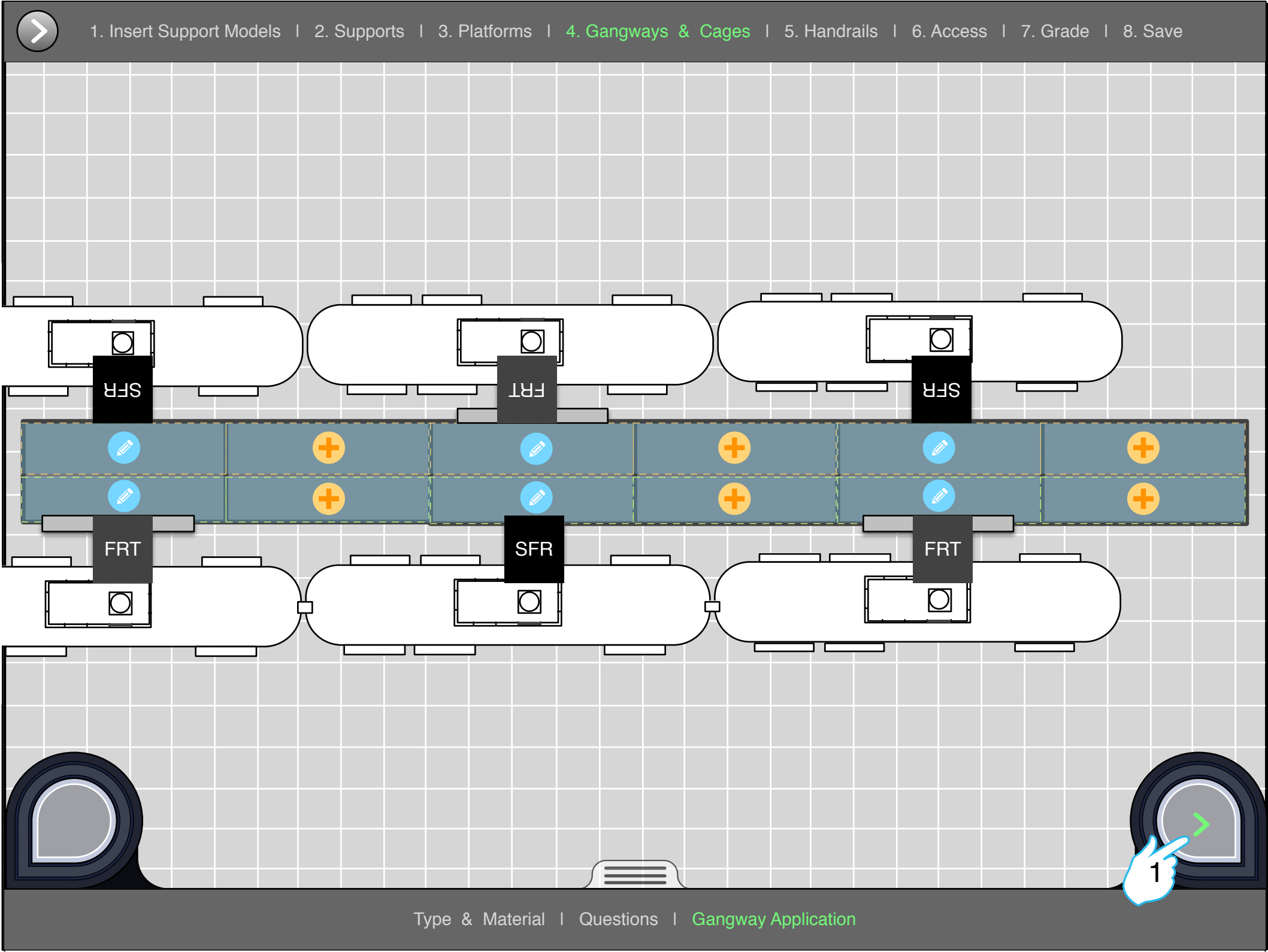
Adding more gangways



1. Here the user can choose to add more gangways by clicking an "+" icon and repeating the modal process.



Adding more gangways



1. Here the user has added more gangways by completing the modal process.

NOTE: If the user wishes to edit one or more gangways they will be placed back into the modal after selecting one or more edit icons.



*If more than one gangway is selected to edit, they will have to be the same gangway for the information in the modal to retain the previous filled in attributes.

A	B	C	B
B	A	A	C
= Gangway			

**If different gangways are selected at the same time to edit, the modal information will be set to an empty default and the user will have to set all the new information to be assigned to the selected gangways that are being chosen to be edited.

A	B	C	B
B	A	A	C
= Gangway			

Adding Handrails

>

1. Insert Support Models | 2. Supports | 3. Platforms | 4. Gangways & Cages | 5. Handrails | 6. Access | 7. Grade | 8. Save

SFR

FRT

SFR

FRT

SFR

FRT

SFR

FRT

FRT

SFR

SFR

FRT

SFR

FRT

SFR

FRT

Handrails

Add Handrails

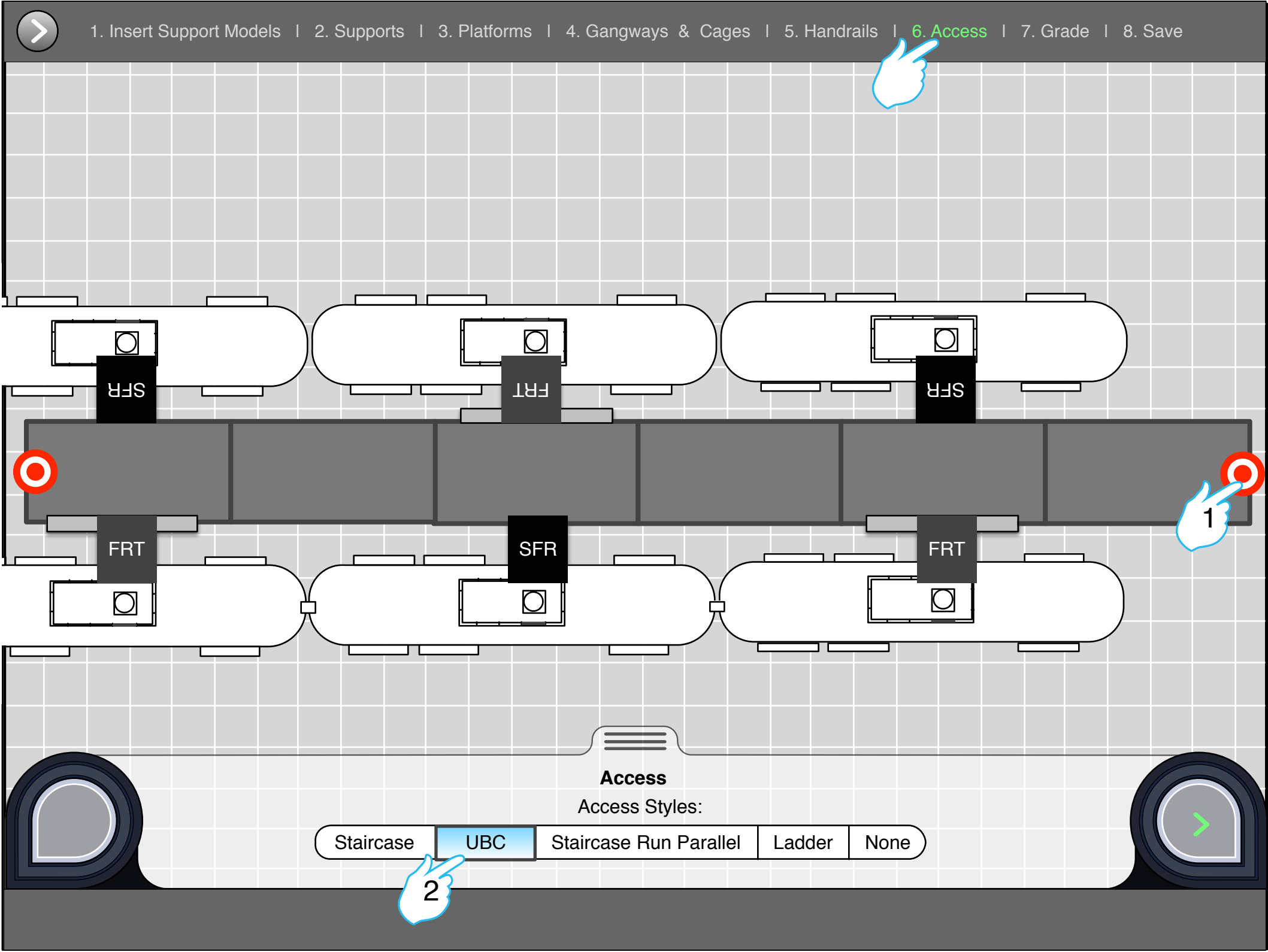
Yes ☒ No

1

2

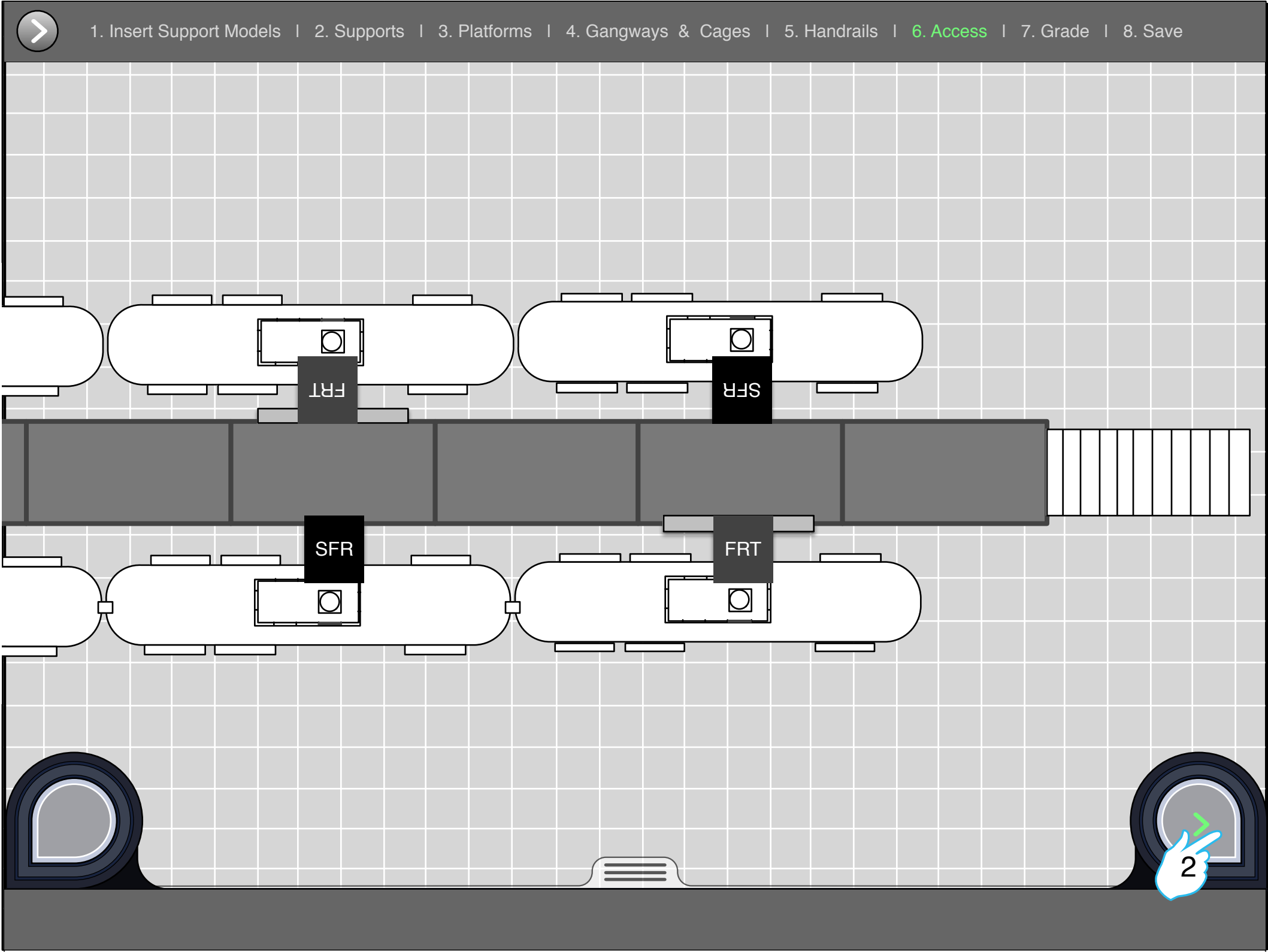
- 1. Here has added handrails to the platforms.
- 2. Next to continue

Adding Access(es)



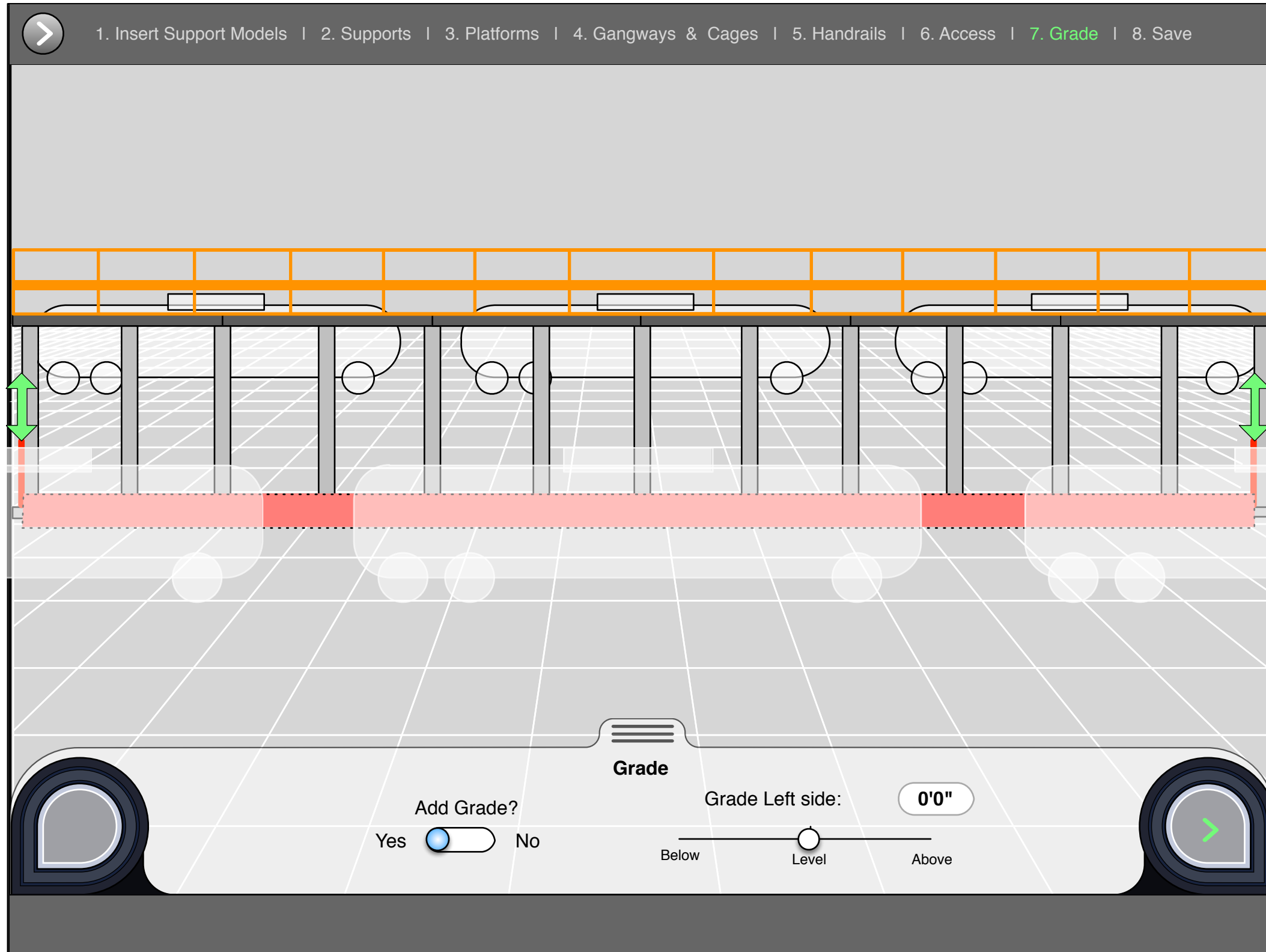
- 1. Here the user can add an access to either side of the connected platforms or both.
- 2. Once the bullseye is tapped for a side the options for the type of access will be present.

Adding Access(es)



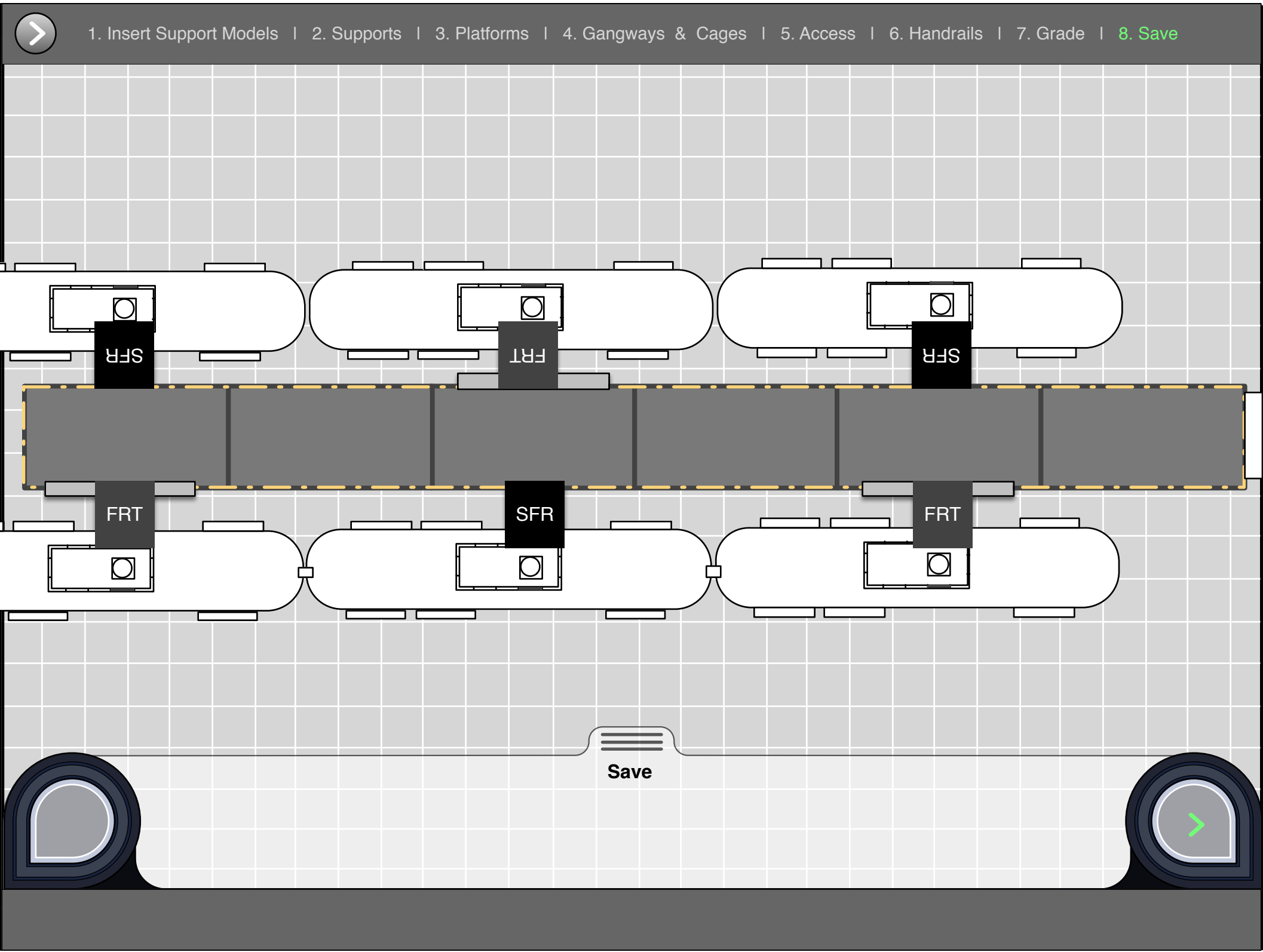
1. Here the user has added an access to one of the sides of the connected platforms.

Grade



1. TBD

Saving the Build



1.TBD

