

Sunward Steel 3D Builder Tutorial



Hello User and thank you for considering Sunward Steel Buildings as your potential Steel builder!

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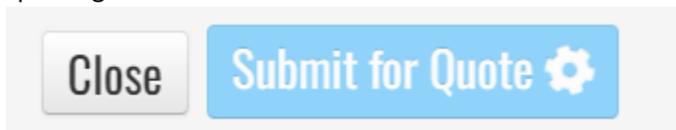
1. Quote Your Building



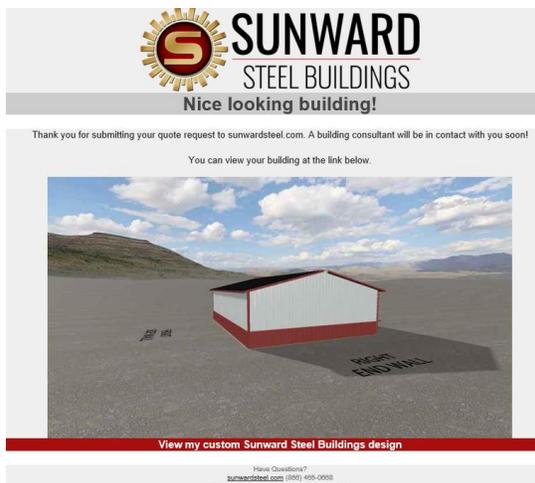
This button is used when you are finished using the Builder and would like to submit the form for our team to look at. You will be informed to fill out fields so that we can be in touch as well as gather more information regarding this quote.

A screenshot of a web form titled "Your Information" with a close button (X) in the top right corner. The form contains several input fields: "First name" (with a sub-field "First name"), "Last name", "Email", "Phone", "Address", "City", "State", and "Zip". At the bottom of the form are two buttons: a grey "Close" button and a blue "Submit for Quote" button with a white clipboard icon.

When finished submitting, simply select the blue Submit for Quote button and you will see a gear spinning in the box.



When the building is processed, you will see a Thank you screen appear as well as an email that will appear regarding your building. (Sample shown below)



2.1 Help



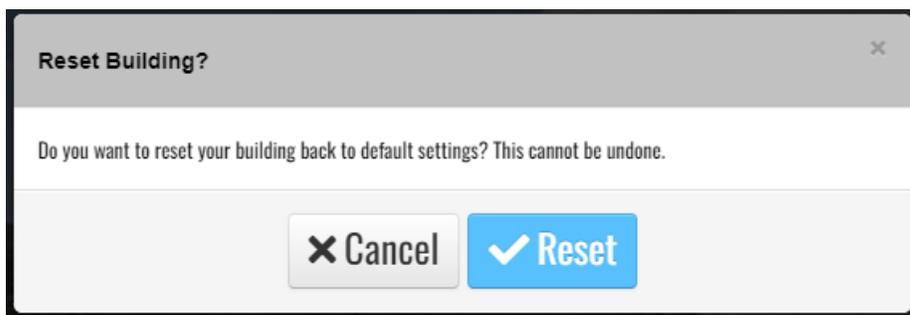
This will provide instructions on how to move the 3D building itself from a computer or a touch screen perspective.



2.2 Reset



This will completely reset all your progress on a building. This is **irreversible**. A dropdown box will appear to confirm if you really want to reset back to the buildings default settings.



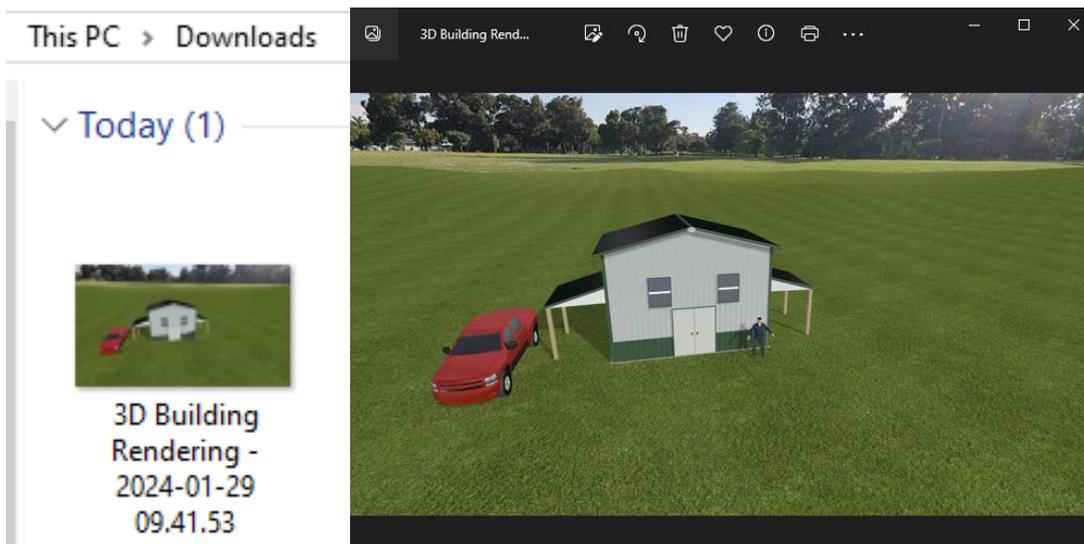
2.3 Photo



Photo is used to save the image of your Building directly to your computer. Be sure to position the camera of the 3D Builder to your desired position as that is what will be taken. (For example, you can take one picture for the outside, another for the inside, and a backshot of your building.)



This will usually be found in your Downloads Section of your PC/Phone, and you may simply click/tap the file to open it.



2.4 Print



This will print out your building image (the same position where your camera is facing in the builder) as well as documenting all the Building Details



Building Specs

Width: 22'
Length: 15'
Height: 15'
Roof Type: Gabled
Roof Pitch: 3:12"

Colors

Roof Color: Black
Wall Color: Polar White
Trim Color: Hunter Green
Walk Doors: Satin White
Large Doors: Satin White
Gutters: Burnished Slate
Downspouts: Burnished Slate
Wainscot Color: Hunter Green

Wainscot:

Left: Yes
Front: Yes
Right: Yes
Back: Yes
Wainscot Height: 3'

Interior

Perimeter Walls: Steel
Ceiling: Steel

Walls

L Wall: Enclosed
R Wall: Enclosed
B Wall: Enclosed
F Wall: Enclosed

Roof

L Gable Extension: T
R Gable Extension: T
B Eave Extension: 1
F Eave Extension: 1

Lean-tos

Porches

F Porch
Width: 10, Height: 10', Porch Depth: 8',
Porch Overhang: 0,

B Porch

Width: 10, Height: 10', Porch Depth: 8',
Porch Overhang: 0,

Windows & Doors

Double Hung Window Qty: 2
Walk Door Solid Double Qty: 1

Item Sizes:

Double Hung Window: w3' x h4'
Walk Door Solid Double: w12' x h8'
Double Hung Window: w3' x h4'

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(866) 465-0668

2.5 Share



This is used when you want someone to look at your building at its current state. When selected you will be prompted to give the user you want to share email as well as your email and first and last name to send to that user.

A dialog box titled "Share your creation" with a close button (X) in the top right corner. It contains a text input field for "Who would you like to share with? (email)" with the value "joe@email.com". Below this are two input fields for "Your first name" and "Your last name". At the bottom is a single input field for "Your email address". At the very bottom are two buttons: "Close" and "Share" with a share icon.

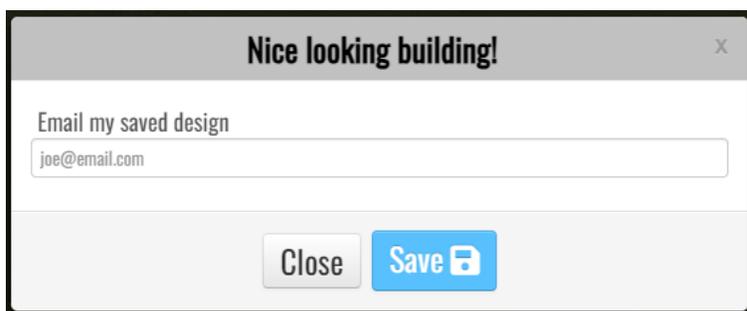
The recipient will receive this email (image below) and can open to see the exact details you put on your building:



2.6 Save



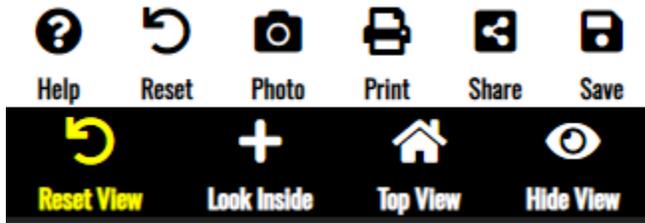
Like the Share option, if you want to work on your building at another time, you can select save and will be prompted to submit an email.



This will be the email/link to the building to complete at your leisure:

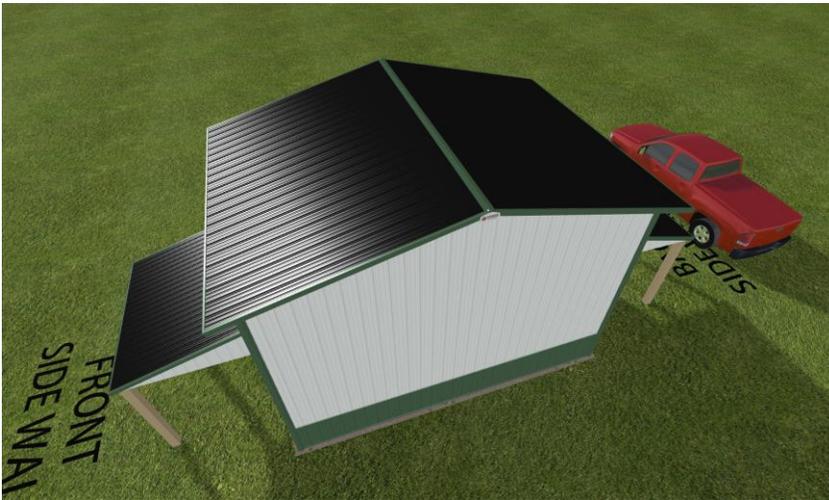


3.1 Reset View



This will set the camera to look at the building at its default angle and elevation.

Before pressing Restart:



After pressing Restart:



3.2 Look Inside / Look Outside



When selected, this positions the camera directly inside of the building.



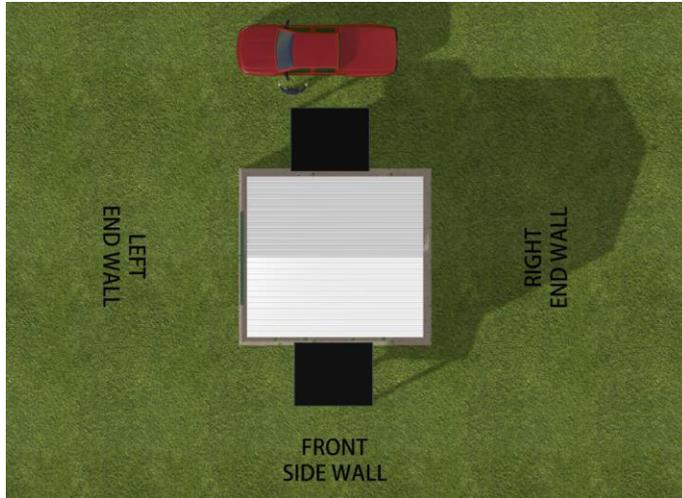
When you select Look Inside, it will switch the option to Look Outside. When you select this, it will zoom back outside of the building and reset the option back to “Look Inside.”



3.3 Top View



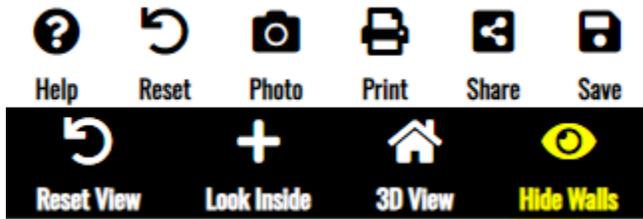
When selected, will set the camera to a fixed bird's eye view.



When Top View is selected it will change the option to 3D View, which will set it back to normal.



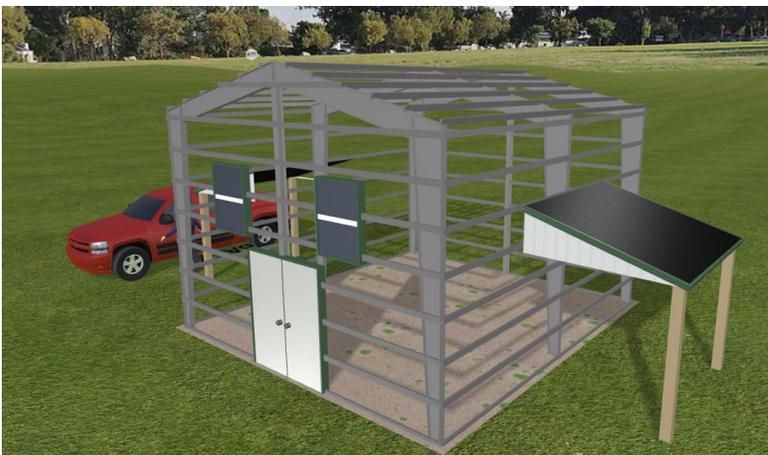
3.4 Hide View

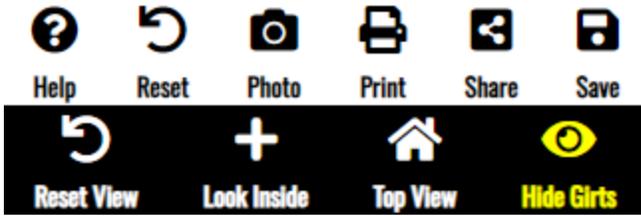


When selected, this will hide the main 4 side walls and reveal only the metal foundation.

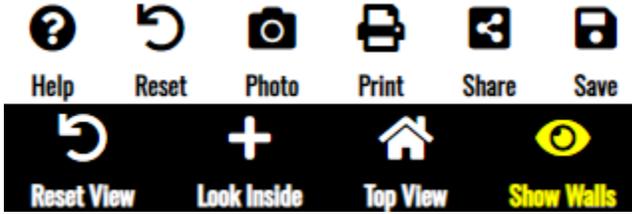
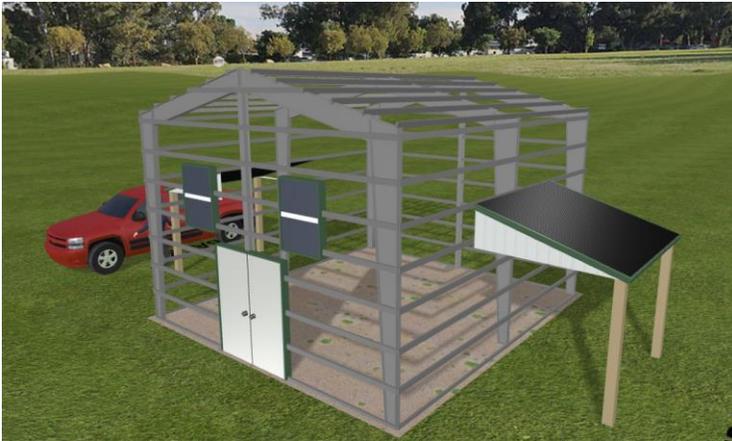


When you select Hide Walls, it will switch to Hide Roof which will reveal only the roof foundations.





When you select Hide Roofs, it will switch to Hide Girts which would hide all girts in the building.
(Currently not hiding Girts)



When Hide Girts is selected, it will display Show Walls and add every previously removed pieces.



4. Dimensions

Dimensions are used to add the basic Sizes to your building as well as the roofing and bay size.

Dimensions		
Width (ft)	<input type="range"/>	22
Length (ft)	<input type="range"/>	24
Height (ft)	<input type="range"/>	15
Roof Type	Gabled	
Roof Pitch / 12'	<input type="range"/>	1
Bay Size	<input type="range"/>	12

Please do note if you do switch the Roof Type of Asymmetrical, it will give you an Asymmetrical option to move the roofing's direction.

Roof Type	Asymmetrical	
Asymmetrical	<input type="range"/>	0

5. Environment

Environment is used to change the background scenery of the building.

Environment	
Ground	Clearing

Clearing Background



Rocky Mountain (Default)



6. Colors

The Colors section changes different sections of the buildings color

Colors	
Roof Color	Black
Wall Color	Polar White
Trim Color	Hunter Green
Gutter Color	Burnished Slate
Downspout Color	Burnished Slate
Walk Door	Satin White
Large Door	Satin White
Wainscot Color	Hunter Green

7. Walls

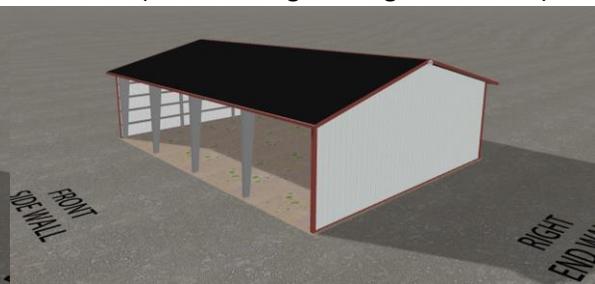
Walls are used to select which Enclosed Walls or wainscot (the metal sheet on the bottom part of the wall) are visible or not.

Walls	
Enclosed Left	<input checked="" type="checkbox"/>
Enclosed Right	<input checked="" type="checkbox"/>
Enclosed Back	<input checked="" type="checkbox"/>
Enclosed Front	<input type="checkbox"/>
Wainscot Left	<input checked="" type="checkbox"/>
Wainscot Right	<input checked="" type="checkbox"/>
Wainscot Back	<input checked="" type="checkbox"/>
Wainscot Front	<input checked="" type="checkbox"/>
Wainscot Height	<input type="range" value="3.5"/>

(Enclosed Front being unselected.)



(Wainscot Right being unselected.)



8. Roof

The Roof section is mainly for adding Overhangs, Cupolas, Eaves, the option to add Gutters and Downspouts.

Roof	
L Gable Overhang	<input type="text" value="1"/>
R Gable Overhang	<input type="text" value="1"/>
B Eave Overhang	<input type="text" value="1"/>
F Eave Overhang	<input type="text" value="1"/>
Boxed Overhangs	<input type="checkbox"/>
2' Cupola	<input type="text" value="0"/>
3' Cupola	<input type="text" value="0"/>
4' Cupola	<input type="text" value="0"/>
Weather Vane	<input type="text" value="None"/>
Gutters and Downspouts	<input type="checkbox"/>
Eave Light Back	<input type="checkbox"/>
Eave Light Front	<input type="checkbox"/>

Sample Building with some of the Roofing Add-ons selected.

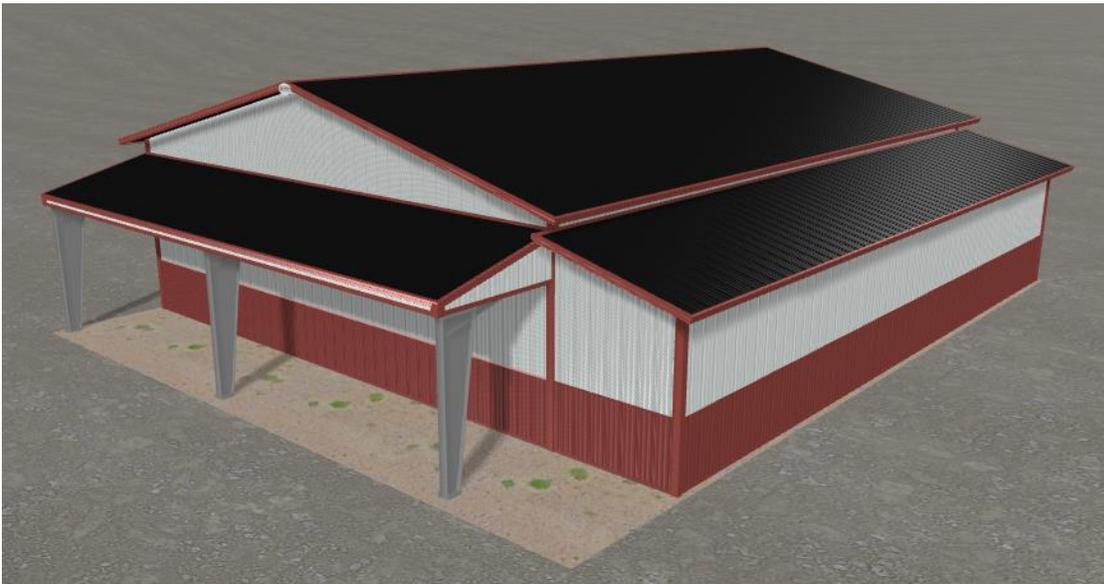


9. Lean-tos

The Lean-to section is there to add Lean-tos on one or many of the 4 sides of the building. They can be customized to various extents.

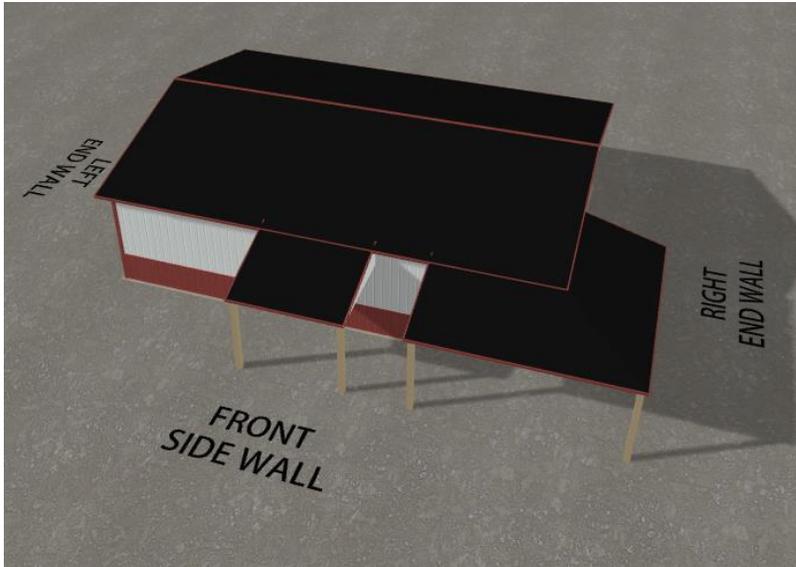
Lean-tos		
Left End Wall Lean-to		
Enabled	<input checked="" type="checkbox"/>	
Drop	<input type="range" value="1"/>	1
Cut L	<input type="range" value="0"/>	0
Cut R	<input type="range" value="0"/>	0
Depth	<input type="range" value="6"/>	6
Roof Pitch	<input type="range" value="3"/>	3
Enclosed	<input type="checkbox"/>	
Back Side Wall Lean-to		
Right End Wall Lean-to		
Front Side Wall Lean-to		

Unenclosed Lean-to (Left) and Enclosed Lean-to (Right)

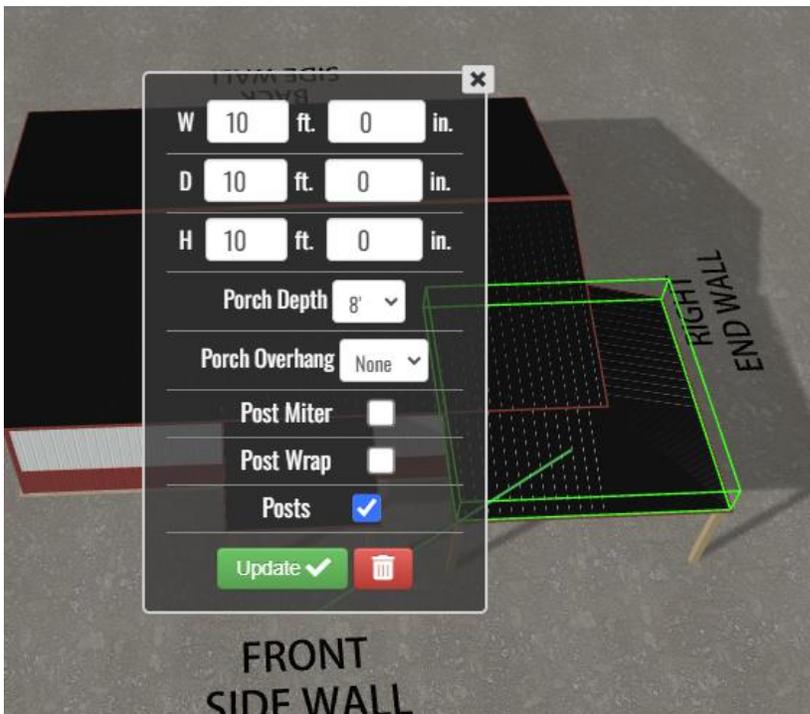


10. Porch

The Porch section is for setting porches in many different positions via check boxes.



You can also select the porch to have various ways of editing it.



11. Windows & Doors

These are used to create windows and doors and giving you the ability to click/tap and drag them over your building.



You can also select the windows or doors to have various ways of editing it.



12. Interior

Interior is used to build a layout of the inside of your building and put everything into perspective.

Interior	
Perimeter Walls	Drywall
Flooring	Ceramic Tile
Ceiling	Steel
Insulation	<input checked="" type="checkbox"/>
Add Interior Wall	
Add Interior Door	
Mezzanine Bays	0
Mezzanine Height	8

Before Interior additions



After Interior additions



13. Add for Scale

Add for Scale
Add Person Male
Add Truck
Add Car
Add Airplane
Add ATV
Add UTV
Add Backhoe
Add Driveway
Farm Buildings
Commercial Buildings
Residential Buildings
Horse Barns

This is used to add various types of objects to see how it would scale in comparison to your building.



14. Loads & Codes

Load and Codes are the more technical information that your building need to be compliant with such as its building code, the roof and ground snow load, and more.

Loads & Codes	
Building Code	<input type="text" value="IBC 2015"/>
Roof Snow Load (PSF)	<input type="text" value="40"/>
Ground Snow Load (PSF)	<input type="text" value="28"/>
Wind Speed (MPH)	<input type="text" value="115"/>
Wind Exposure	<input type="text" value="C"/>
Collateral Load (PSF)	<input type="text" value="1"/>