

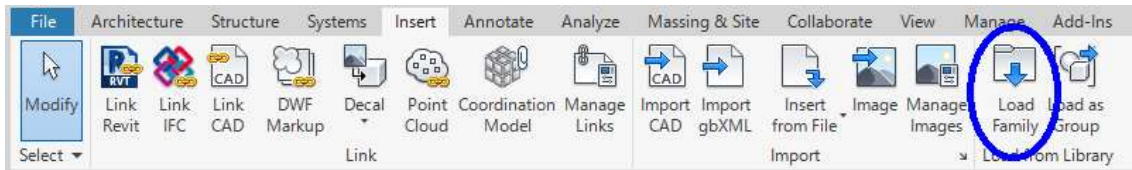
Elevator BIM Parts Operation Manual

For Revit

Toshiba Elevator and Building Systems Corporation

1. Preparation

Download a family on our website, and then load it into a project.

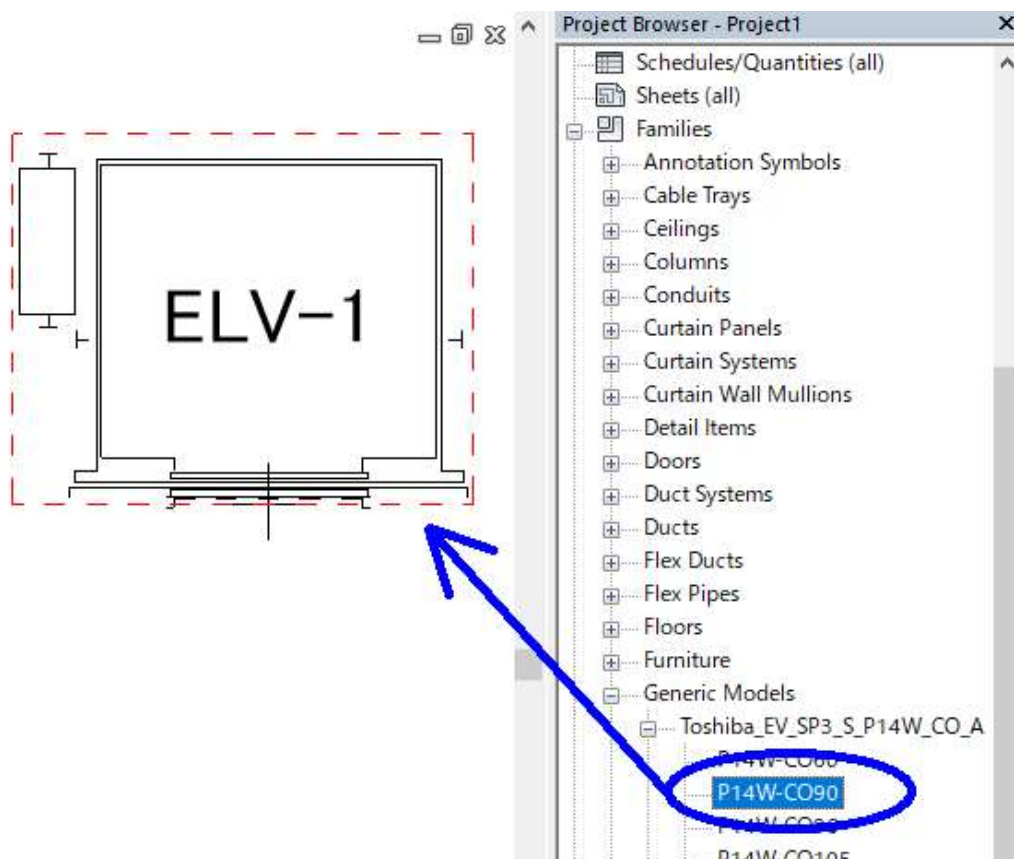


The family is loaded into “Generic Models”.

2. How to place an elevator part

In similar operation of a typical family, drag and drop a family from Project Browser.

Place the floor edge of the hoistway on the red line of the floor.



3. Properties of an elevator part

Here, we will explain properties of a family.

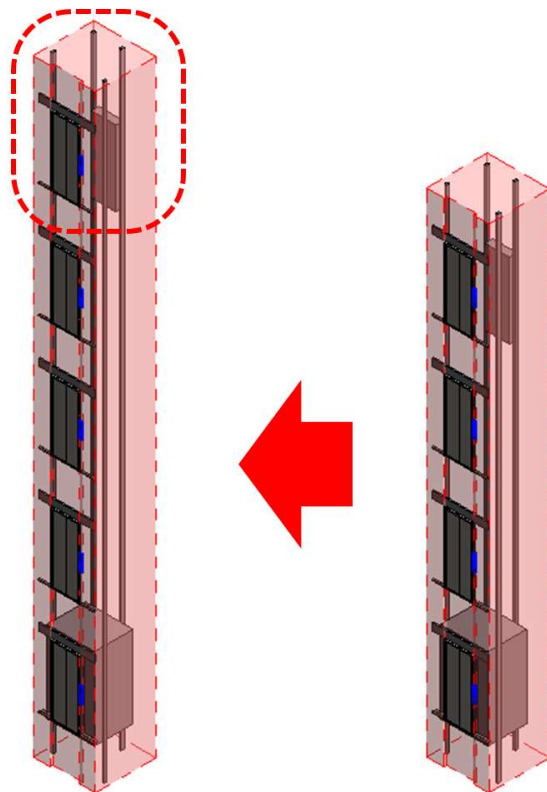
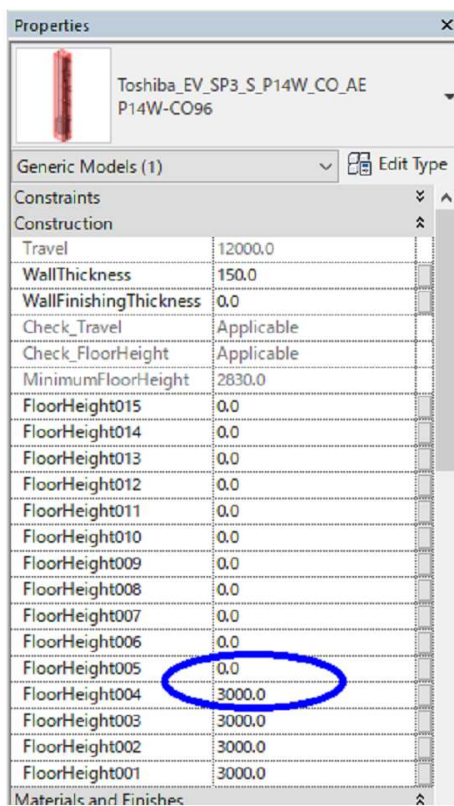
3. 1 Change the number of floors

■ SPACEL-III / SPACEL-III-L

If you enter floor height, you can add a door.

Starting from “FloorHeight001”, enter floor height as many floors as needed.

Enter “0” for the floors you don’t need.

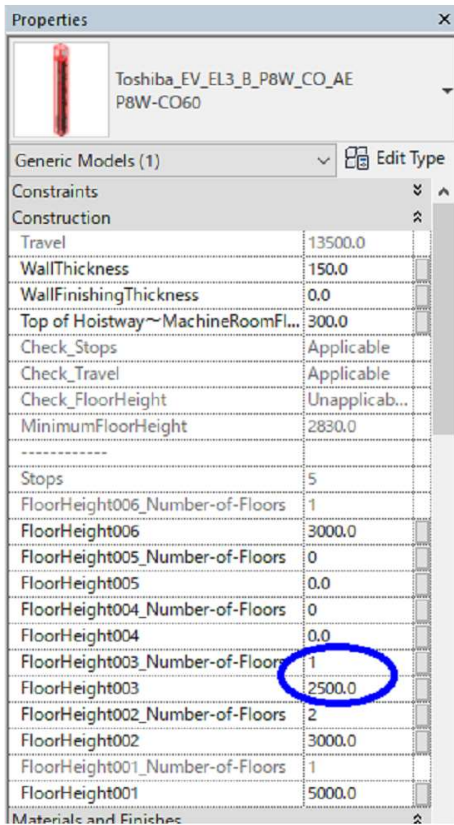


■ ELCOSMO-III / ELCOSMO-III-L / ELBRIGHT

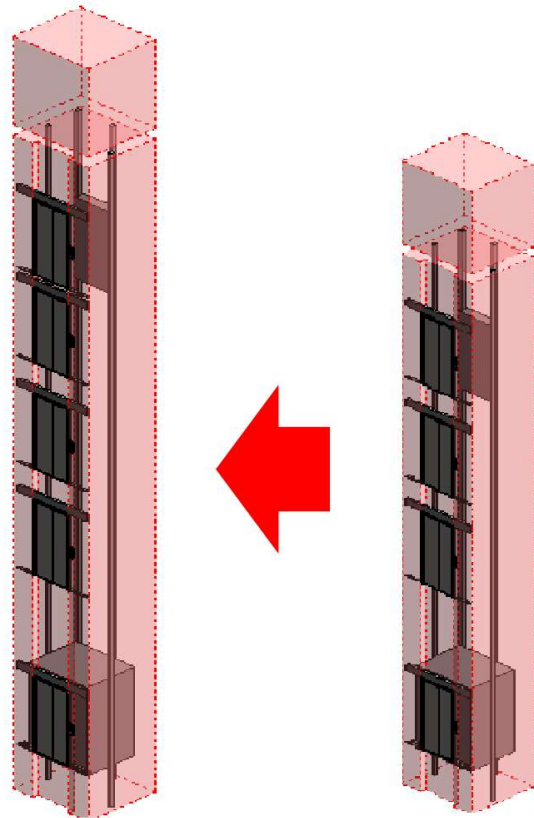
If you enter floor height and the number of floors for every group, you can add a door.

Starting from “FloorHeight001”, enter the floor height and the number of floors for as many floors as needed.

ex. If you enter “FloorHeight003 = 2500, FloorHeight003_Number-of-Floors = 1”, you can add a 2500mm-high floor.



Properties	
Toshiba_EV_EL3_B_P8W_CO_AE P8W-CO60	
Generic Models (1) Edit Type	
Constraints	
Construction	
Travel	13500.0
WallThickness	150.0
WallFinishingThickness	0.0
Top of Hoistway~MachineRoomFl...	300.0
Check_Stops	Applicable
Check_Travel	Applicable
Check_FloorHeight	Unapplicab...
MinimumFloorHeight	2830.0
Stops	5
FloorHeight006_Number-of-Floors	1
FloorHeight006	3000.0
FloorHeight005_Number-of-Floors	0
FloorHeight005	0.0
FloorHeight004_Number-of-Floors	0
FloorHeight004	0.0
FloorHeight003_Number-of-Floors	1
FloorHeight003	2500.0
FloorHeight002_Number-of-Floors	2
FloorHeight002	3000.0
FloorHeight001_Number-of-Floors	1
FloorHeight001	5000.0
Materials and Finishes	



3. 2 Error messages

Some floor height or elevating stroke may be unapplicable. If the setting is regarded as unapplicable, error messages will be shown in Properties window.

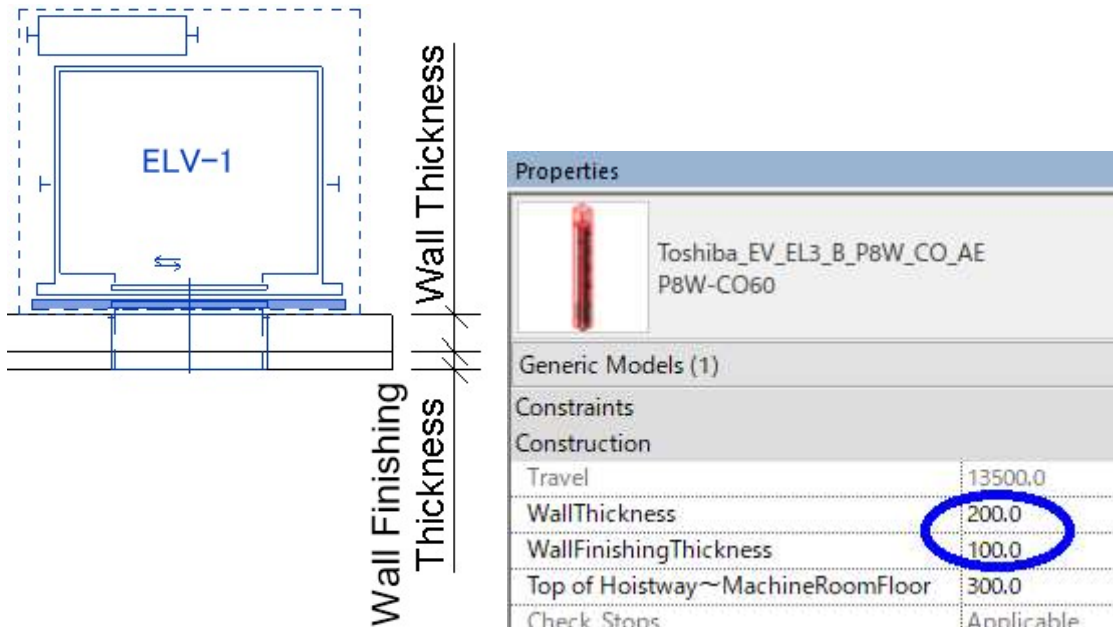
The screenshot shows the 'Properties' window for a Toshiba elevator model. The window title is 'Properties' and the model name is 'Toshiba_EV_EL3_B_P8W_CO_AE P8W-CO60'. The 'Construction' section is expanded, showing a table of parameters. A blue box highlights the 'Check_FloorHeight' and 'MinimumFloorHeight' rows. A tooltip is visible over the 'Unapplicable' status of 'Check_FloorHeight', displaying the message: 'Unapplicable (less than necessary minimum floor height) Please contact'.

Parameter	Value
Travel	13500.0
WallThickness	150.0
WallFinishingThickness	0.0
Top of Hoistway ~ MachineRoomFloor	300.0
Check_Stops	Applicable
Check_Travel	Applicable
Check_FloorHeight	Unapplicable (less than n...)
MinimumFloorHeight	2830.0
Stops	5
FloorHeight*06: Number of Floor	1

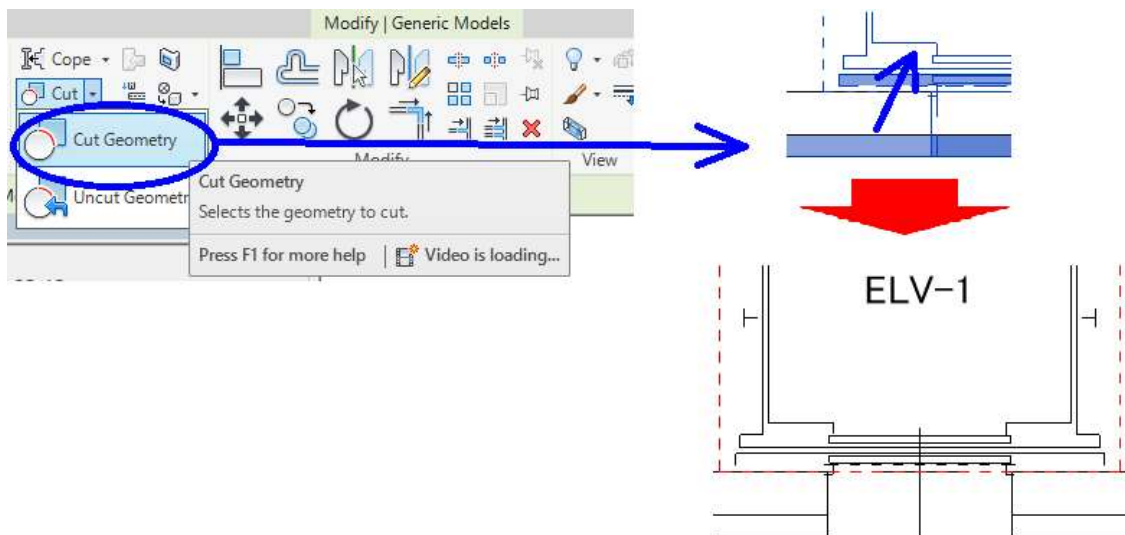
3. 3 Wall openings

Fill in “Wall Thickness” and “Wall Finishing Thickness”.

If the floor edge protrudes from the inside of the hoistway wall, add the protruding margin.



To activate “Cut Geometry” and select the wall first and then the elevator model, you can make a 3D opening.

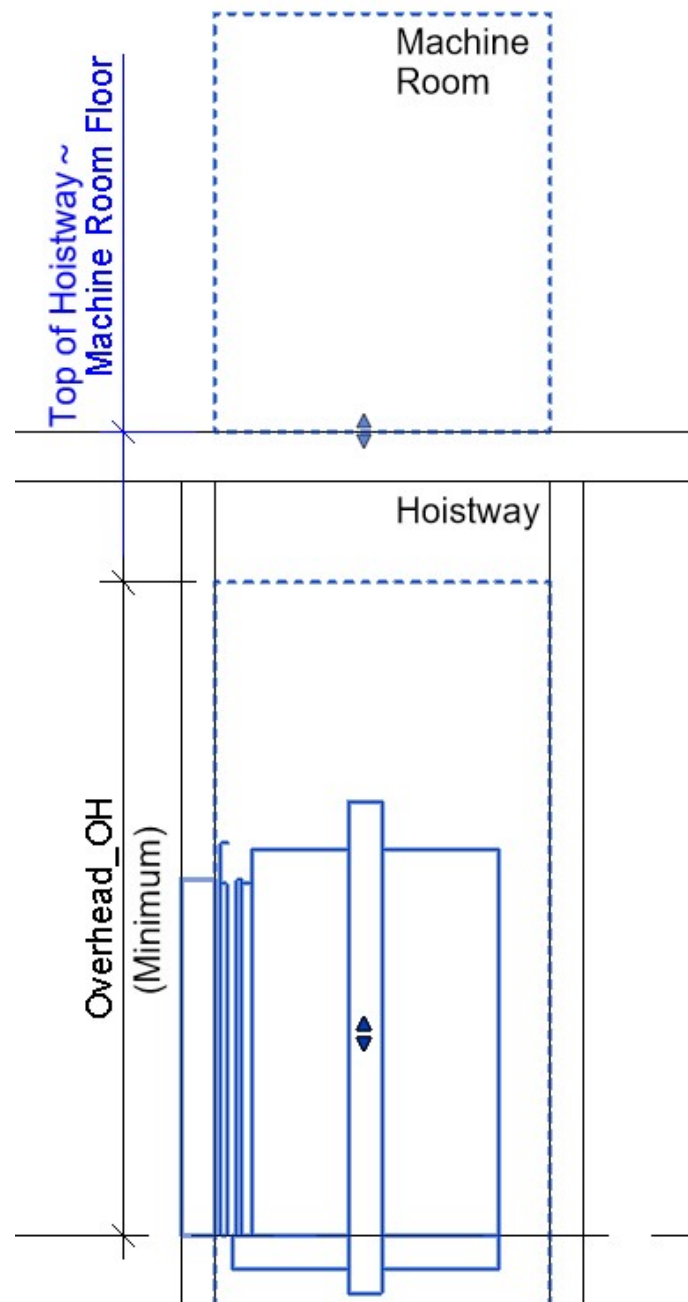


3. 4 Set up machine room floor

Set up the dimension from the overhead to the machine room floor for 3D model.

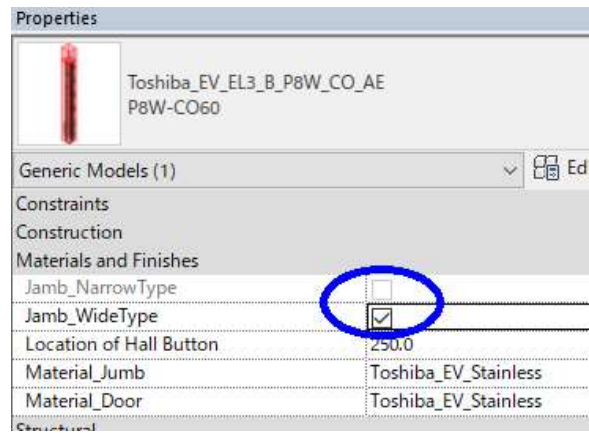
You can enter the parameter of “Top of Hoistway~MachineRoomFloor”, or adjust it by the handle appearing in cross section view.

This is a necessary process to make sure the minimum height of the machine room.



3. 5 Set up a landing jamb

Select either “Jamb_NarrowType” or “Jamb_WideType”.



Narrow Type

Wide Type

This manual was issued in April 2020. For further improvement, the content is subject to change without notice.