User guide for Alimak BIM Gallery

The Alimak BIM Gallery, covers the full range of Scando construction hoists from 2.4 to 5 m long and pay load from 800 to 3200 kg, see figure 1.

The BIM models have been designed to allow you to compare and select the most suitable hoist solution for your needs – from the early start to the completion of a construction project.

For your ease and to make the most of the models provided, please follow the steps in this guide for a successful use of the Alimak models in your construction projects.

- Page 2 - Step by step guide to load an Alimak BIM model into a project
- Page 3 – Using the Alimak BIM models
- Page 8 – Landing equipment

For questions and support, please contact bim.support@alimakgroup.com
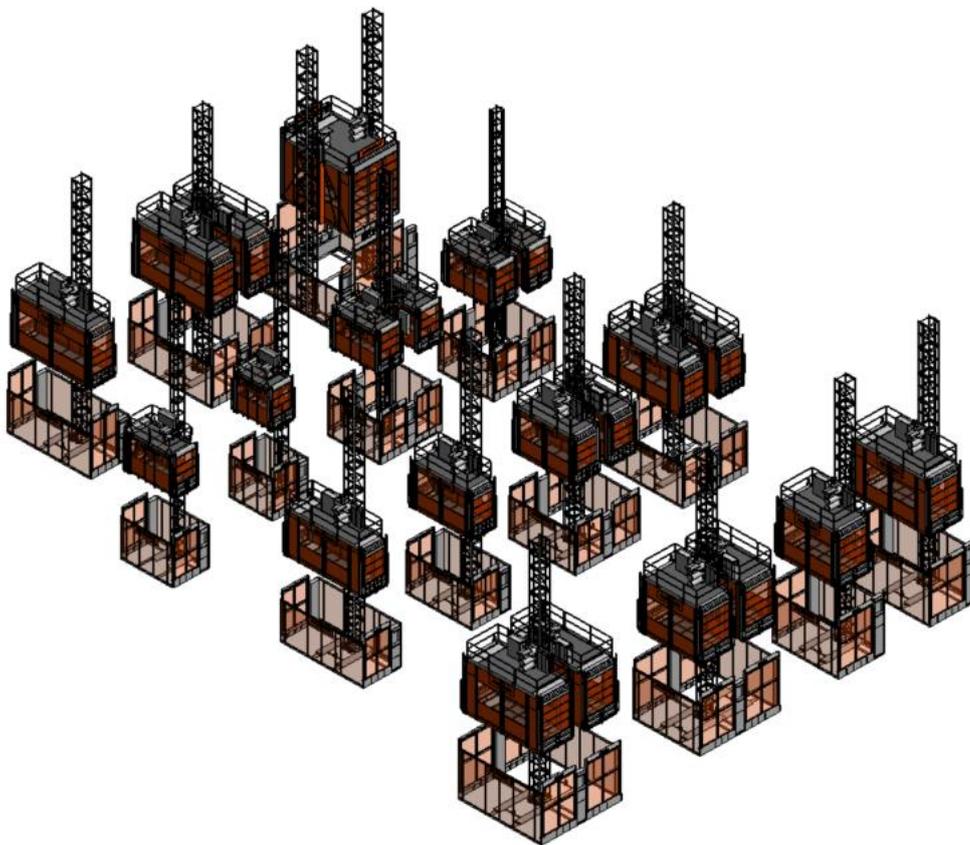

Figure 1 Figure 1: The range of Alimak construction hoists
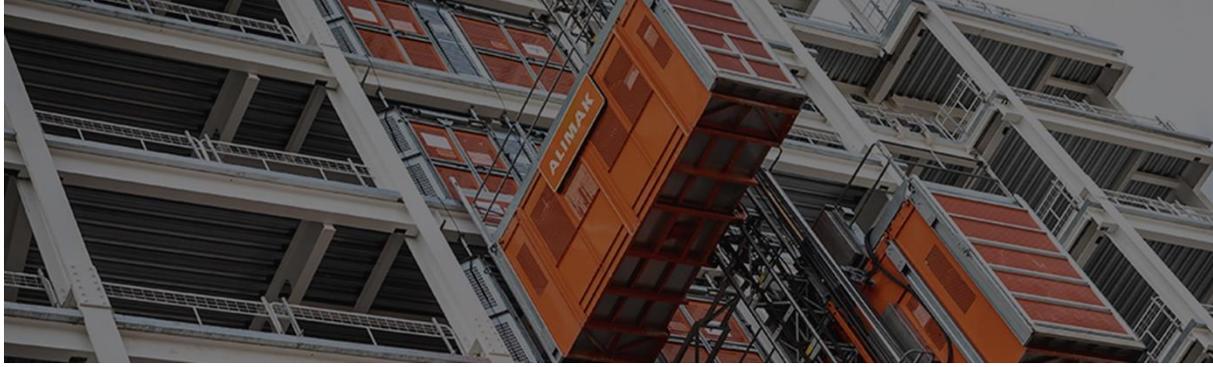
Step by step guide to load an Alimak BIM model into a project

To ensure proper download and installation of the BIM models into a project, we recommend that you follow the steps outlined below:

1. Click on the link you received in the mail from **Alimakgroup BIM Support**

2. Download the zip file, unzip the file and save the BIM models (.rfa files) where you easily can find it.

3. Open a Revit Project File (.RVT) and navigate to the Plan View.

4. Click on the "Insert" tab and select "Load Family", see figure 2.
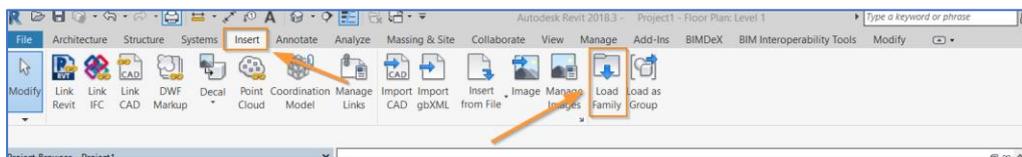

Figure 1: Insert family into a project

5. Navigate to the location of the downloaded BIM models (see 2 above)

6. Select the BIM models you want to load and click open. The models are now available in the project, you can find it under the category "special equipment" under Families in the Project Browser.
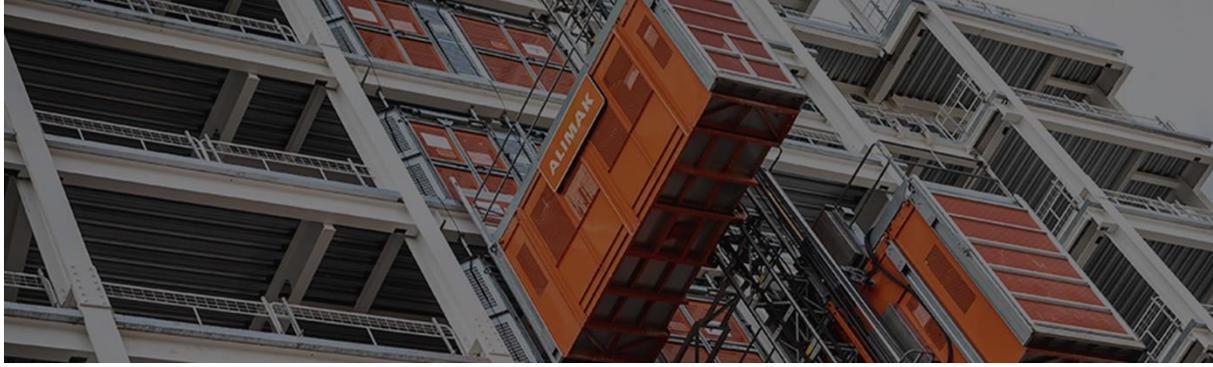
Using the Alimak BIM models

The Alimak BIM models have a parametric design which allows the user to change the size of the hoist/enclosure between some preset configurations, the mast height, use of vertical pipes, etc.

Check-box options are available for visibility functionality, to allow the user to choose the most optimal set-up of the configuration like different type of gates, side for entrance/exit, with or without vertical pipes, hydraulic ramps, etc and show the required clear zone for installation.

Changing the car size of an Alimak BIM model

Most of the Alimak BIM models come with different car sizes. The user can choose between the available configurations for that specific hoist car.

To access the different configurations of the model, select the model and in "Properties", select the drop-down menu and choose the desired car size, see figure 3.

Note: Any modification to the models outside the pre-defined sizes is not allowed.
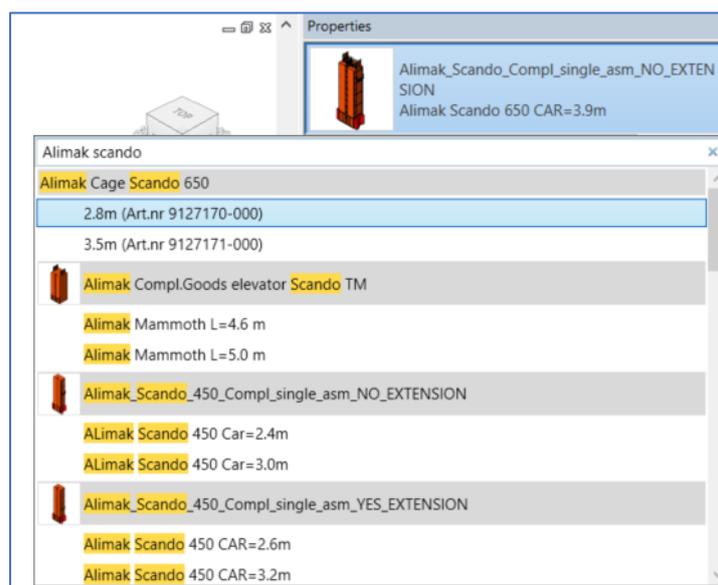
Figure 3: Changing the car size of an Alimak BIM model
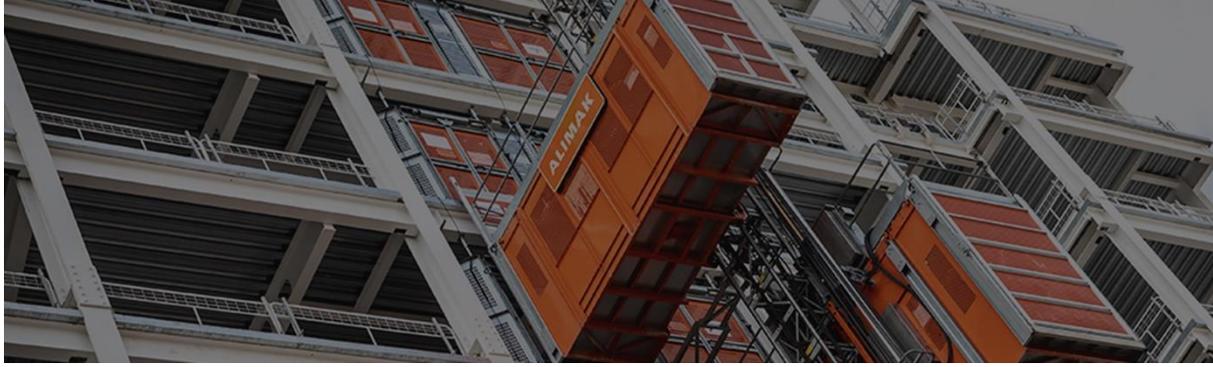
Changing the Mast height and Hoist level

After selecting the car size, the mast height and the position of the hoist car can be changed by clicking on the model and changing the parameters shown under "Properties", see figure 4.

Note: If you enter a mast height value higher than the allowed maximum height, the model will automatically use the max height as stated in the table below.
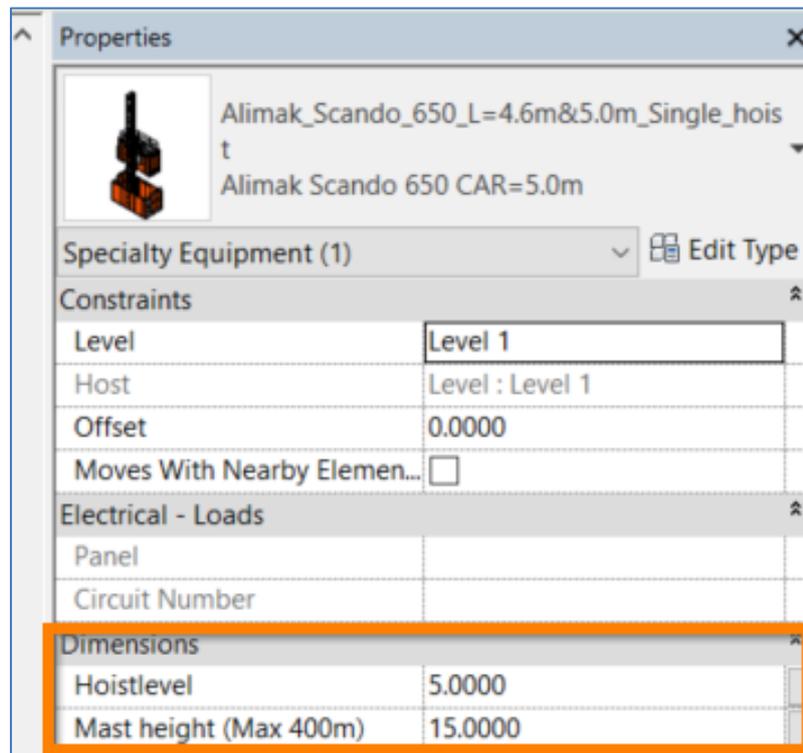
Figure 4: Changing the mast height and hoist level
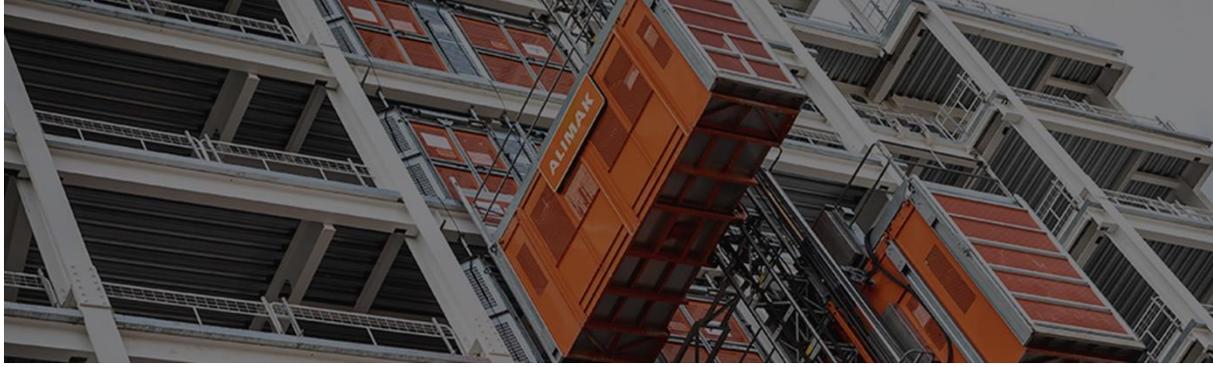
Access machine data for the Alimak BIM models

To access data for the Alimak BIM models, click on the model and select "Edit Type" under Properties", see figure 5.

Note: The data is general for that specific range and will not change depending on selections made, for exact data please see Alimaks webpage, www.alimak.com

Figure 5: Alimak BIM Model data
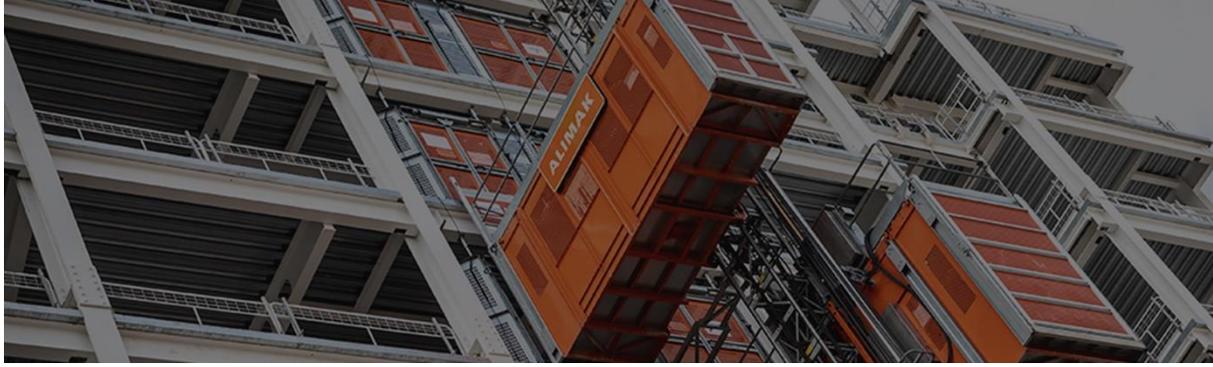
Visibility function

The Visibility function is found under "Properties". The Visibility function lets the user change the configuration of the Alimak BIM models.

To access the Visibility function, click on the model, go to Properties and the different options are found under Visibility, see Figure 6 and 7.
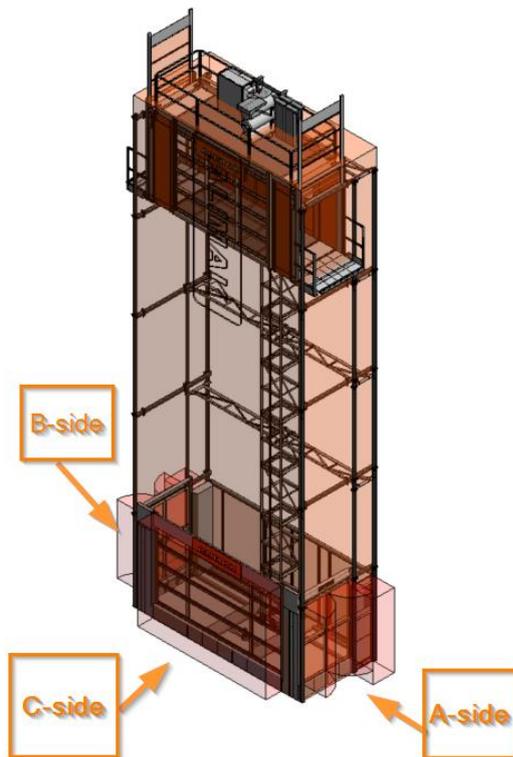

Figure 6: A, B and C-Side
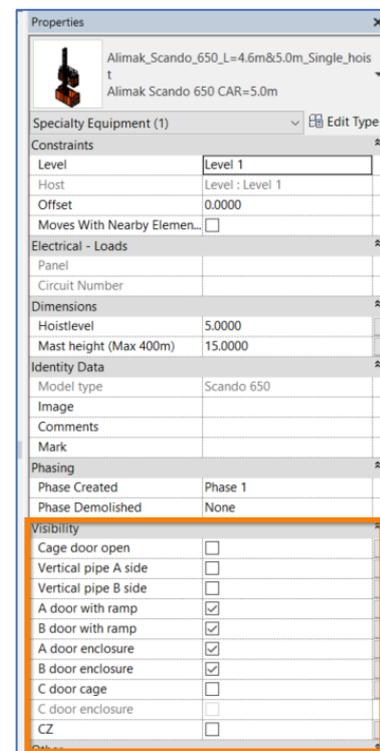
Figure 7: Visbility function
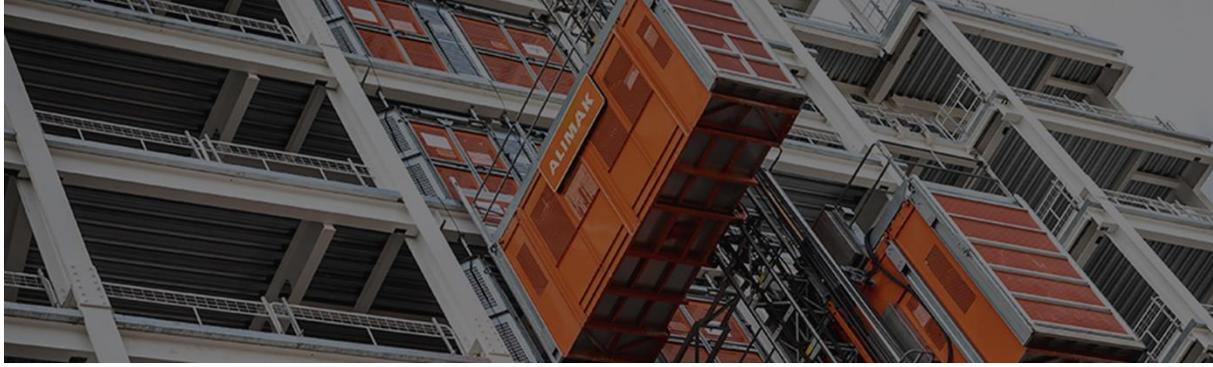
Level of details - LOD

Alimak BIM models have been created with different LOD – fine, medium and coarse. On the "View Control Bar" at the bottom of the drawing area, click the Detail Level icon, and select an option, see figure 8
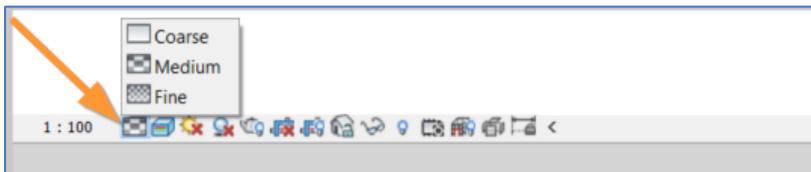

Figure 8: View Control Bar

Below the Alimak BIM models, are displayed in differently LOD, see figure 9.
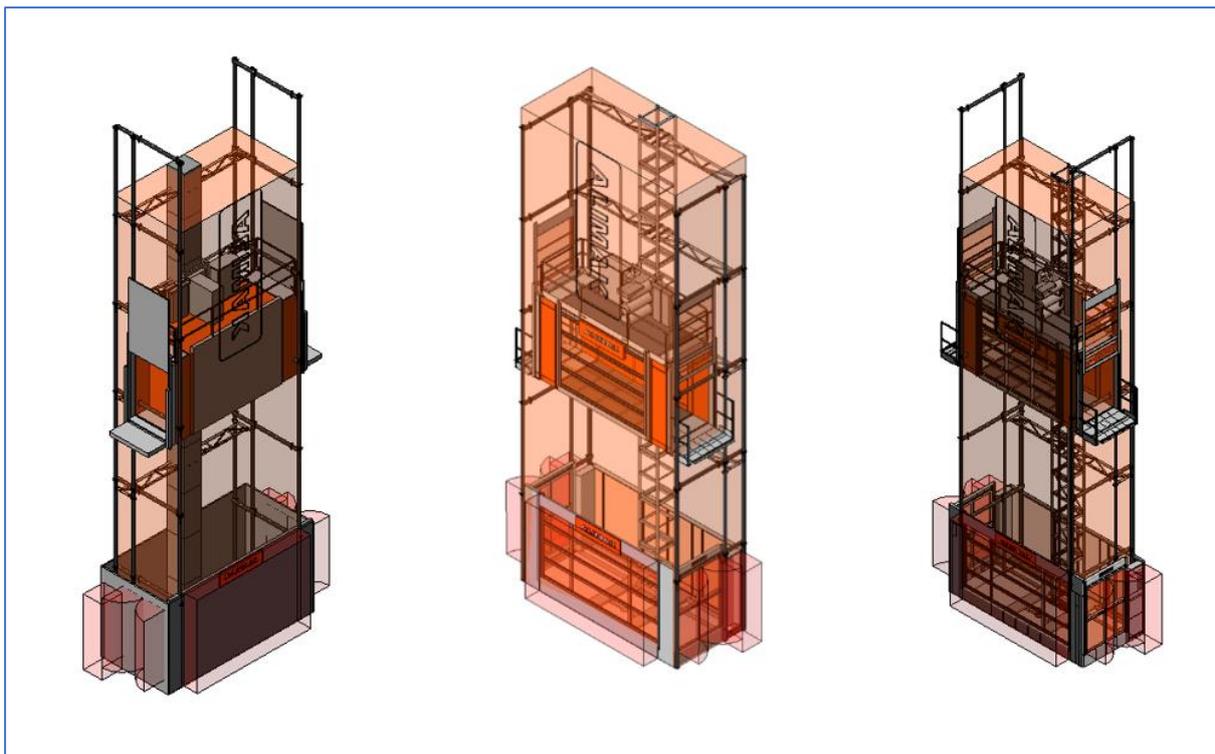
Figure 9: LOD: From the left side, coarse, medium, and fine detail levels
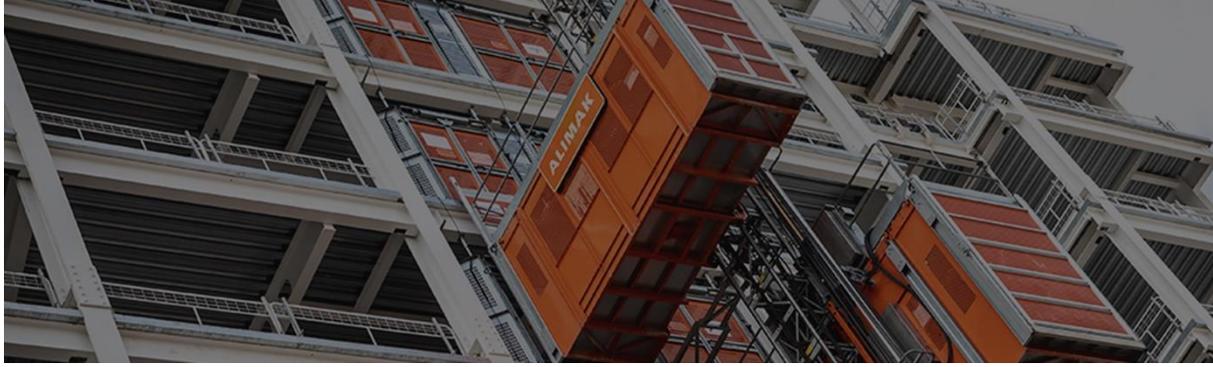
Landing equipment

The ZIP files also contain, BIM models of four types of landing equipment matching the construction hoist in the ZIP file, see figure 10.

The landing equipment consists of:

- Bi-folding gate
- Bi-folding gate with side wall
- Landing gate
- Sliding gate

Follow the same steps as presented on page 2 in this document to upload these Alimak BIM models of different landing equipment's into your project.
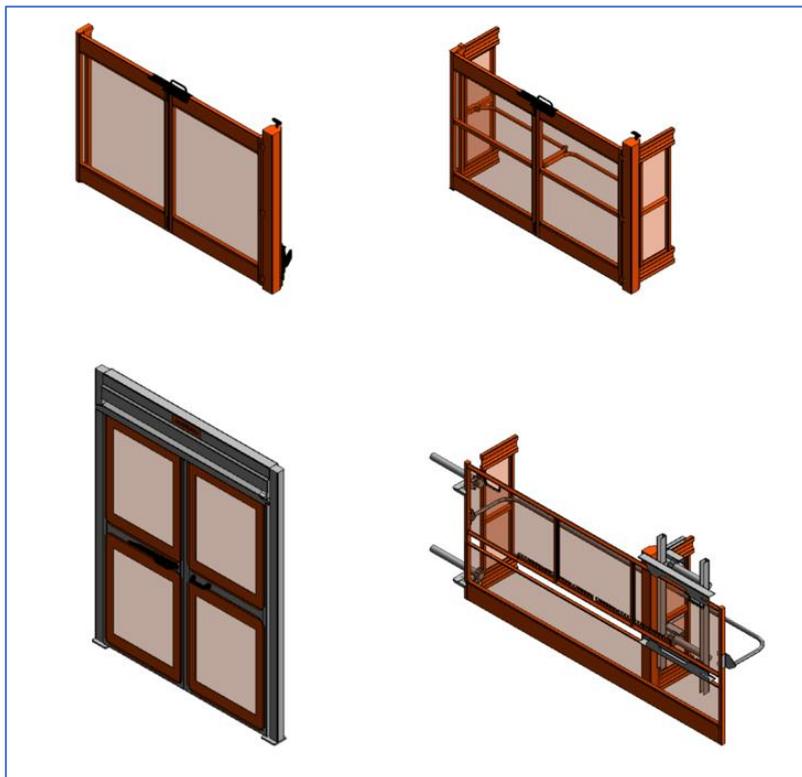
Figure 10: Landning Equipment