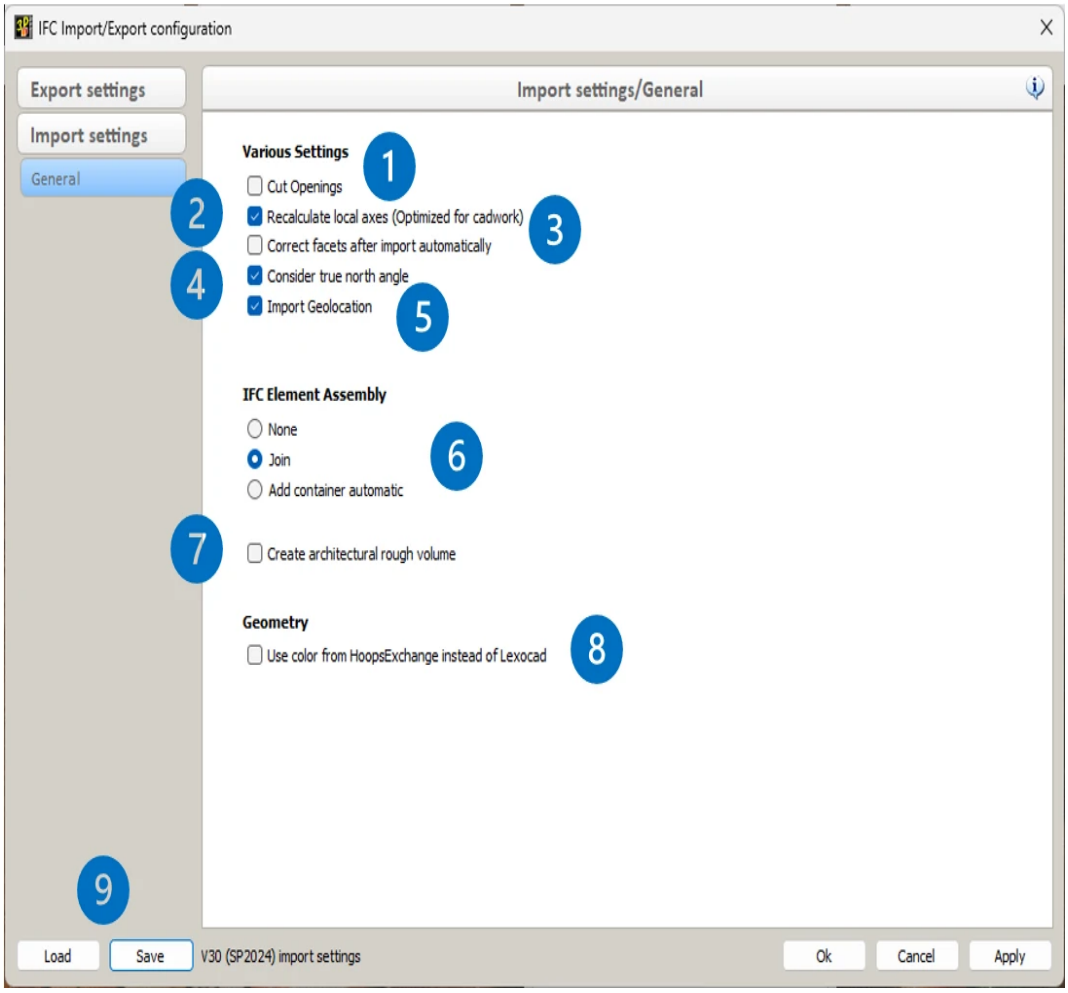
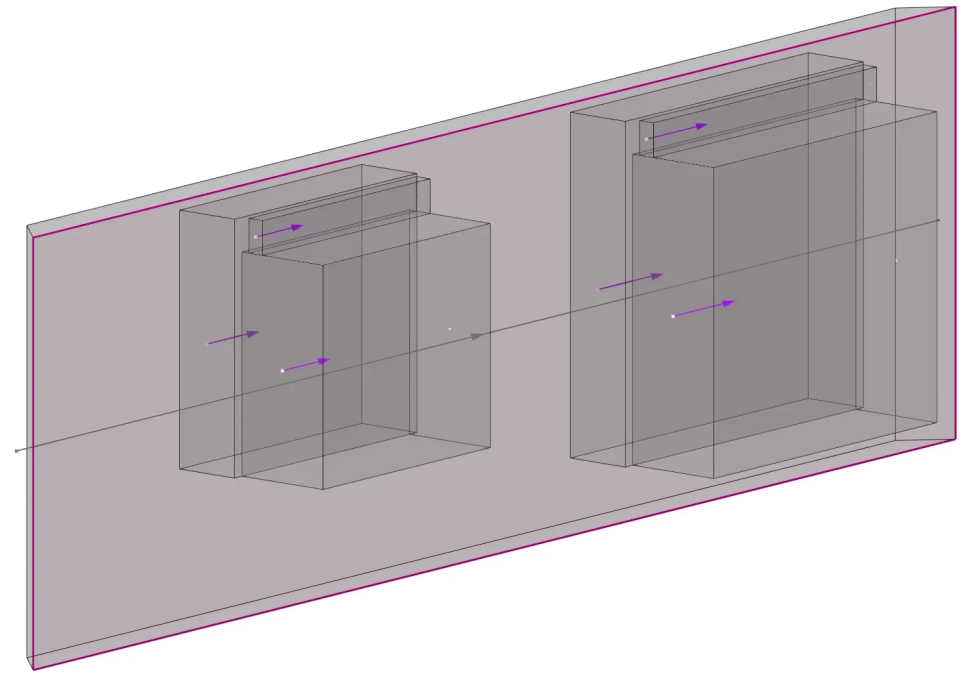
2.5 IFC import settings

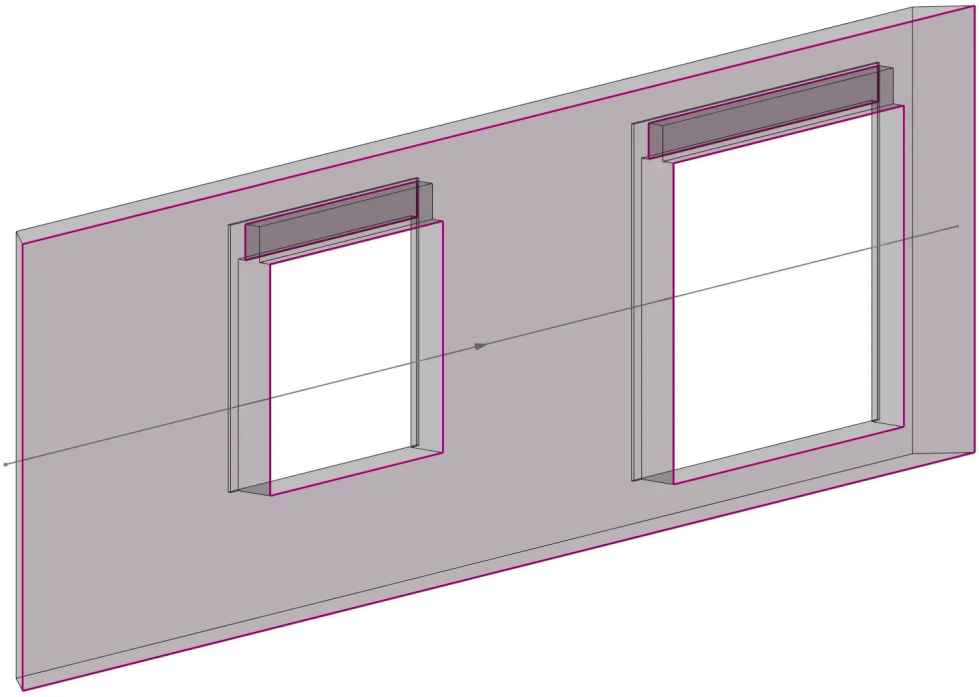
The dialog for the IFC import settings can be called up either directly via the BIM Manager or via:
*Add -> Files... -> IFC Import/Export configuration (Cog wheel symbol next to "IFC (*ifc)..." button)*



1. Cut Openings

Defines whether openings should be cut Hard/Soft after import or whether the IfcOpeningElement should be converted to a cadwork component with the properties element type "Opening".





Tip:
This function must be deactivated in conjunction with the element construction module!

2. Recalculate local axes

The axis system of the elements is algorithmically recalculated and realigned.

3. Correct facets after import automatically

Facets that are laying in the same plane are corrected if possible.
This can lead to longer import times!

4. Consider true north angle

Import of the direction of true north, or the geographic north direction in relation to the underlying project coordinate system.

The defined project rotation must be maintained. The model must not be rotated manually. If you want to work according to the X / Y axes, the temporary zero point rotation (*RefSwitch*) or the temporary cursor rotation (*X'-Y'-Z'*) is to be used!

5. Import Geolocation

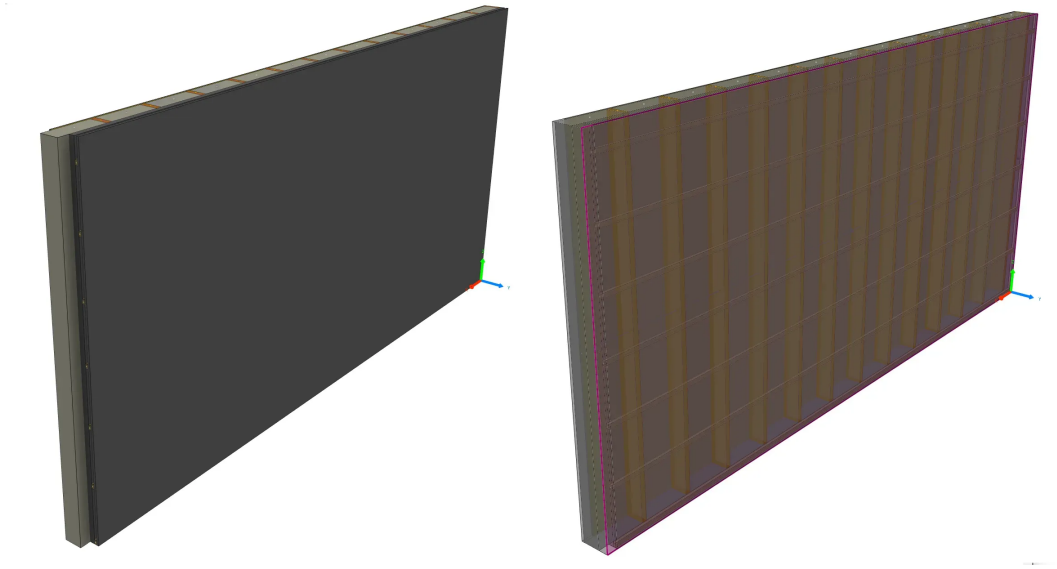
Import of Latitude, Longitude and Elevation (reference altitude) into the Project data.

6 IFC Element Assembly

The IfcElementAssembly represents component assemblies that are composed of several components. E.g. trusses, steel bracketry and various types of frames can be represented by the IfcElementAssembly entity. By selecting the various import options, you can define who the IfcElementAssembly in cadwork should be considered. Options are **None** - imports components without keeping assembly info, **Join (recommended)** - uses **Join** function to save assembly info or **Add container automatically** - adds a container around each IFC Element Assembly.

7. Create architectural rough volumes

Here you can control whether the connected IFC objects/Exchange elements (left image) should be converted into cadwork components as well as creating a rough volume around it (right image) or not. The function to create architectural rough volumes is generally recommended.



8. Geometry

In IFC files, colors are described by RGB values with a very large number of color options that only coincidentally correspond exactly to the 256 colors available in cadwork. As a rule, component colors are read in from the IFC file via the cadwork import, which automatically converts the detected RGB colors into a cadwork color that matches as closely as possible. However, some models are displayed in viewers in a different color than they are later converted in cadwork. In these cases, you can - if the color is decisive for the design - have the colors generated using an alternative converter, which in some situations is more likely to adopt the displayed colors. If the conversion in the first step does not correspond to the specifications, activate this option "**Use color from HoopsExchange instead of Lexocad**" and import the components again.

9. Loading and saving of settings

We generally recommend saving the default settings in the 3d INIT file. If required, it is possible to save and load the settings separately via those two buttons.