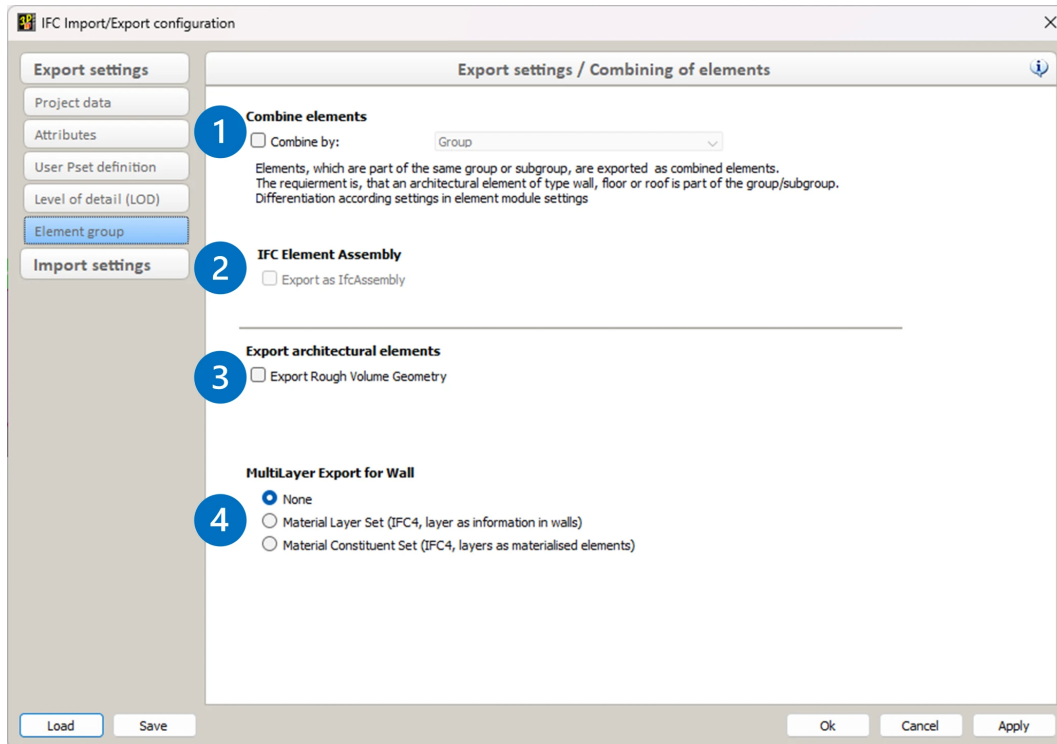


6.3 Framed wall



1. Combine elements (recommended)

If architectural rough volumes with components are created in a 3D file (e.g. [timber framed wall](#)) and divided into assemblies or building subgroups, the associated elements are exported to the IFC file with this option, e.g. as IfcWall.

If architectural elements are summarized according to assemblies or building subgroups, the envelopes (timber frame and block building envelopes) are not output. This is due to the fact that the individual components together represent the wall, ceiling or roof.



Source: standards.buildingsmart.org

2. IfcElementAssembly

The IfcElementAssembly entity represents complex element assemblies that are composed of several elements. These can be, for example, composite steel parts, trusses or stairs. If the indented checkbox is activated, elements are not summarized as IfcWall, IfcSlab, or IfcRoof, but as IfcElementAssembly. In cadwork, we have been using container elements for a long time to group elements in an IfcElementAssembly. **Elements that are combined in container elements are exported in cadwork as IfcElementAssembly by default.** This function cannot be influenced.

3. export envelope elements

If it is necessary to export the envelopes for further steps, they can also be exported by activating this option (not recommended). Solid walls, solid roofs and solid ceilings are always exported as they are available as "real" components. It is not necessary to activate this option for elements of this type.

4. output multilayer walls

Here you can define how the layers of the multi-layer wall should be exported. "Material Layer Set" exports the layer structure as pure information. "Material Constituent Set" exports the individual layers as individual volumes which are summarized by the IFC type IfcWall. The top option does not take the layers into account in any case.