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What is Section Mapping?

Andrew - 2020-05-27 - 0 Comments - in D04: Prodesk Suite Revit Extension

When you work with PROKON, the Section Database is readily available. No matter which module is used, the Section Database can be used to load sections. The Section Database is the central repository for all sections used in PROKON.

There is, however, no direct link between a section's name and its physical properties. The Section Database can be amended and no naming convention is forced upon the user. This means that a section's name does not define the section itself.

When we collaborate with other software we need to be able to tell the third-party program what is the correct section to use. We can't depend on the PROKON Section Database names; the names could have been customized by the user, and the default names don't necessarily correlate with the names that other programs use. We need to "map" the PROKON section name to a name that the third-party program will successfully interpret.

Third-party integration

Both Sumo and Frame Analysis can form an integral part of your Building Information Management (BIM) strategy. Several options are available for sharing models with other software:

- Revit®: Using [Prodesk Suite](#), round-trip information sharing for 3D structures is possible between Revit® on the one side, and Sumo or Frame analysis on the other side. Build the model in Revit (or modify the architect's model), and send it to [Frame Analysis](#) or [Sumo](#) for analysis and design.
- Industry Standards: Integrate with models created by third-party packages. You can import models from and export to CIS/2 (CIMSteel Integration Standard) and SNF (StruCad Neutral File) format.

Prodesk

Prodesk uses the *SecMaps.db* database file to store the section mapping data. Frame refers to the section mapping information found in *SecMaps.dat* when exporting data for use in third-party programs. Both these files can be found in the *C:\Prokon\User* directory.