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STAAD.foundation V8*i*

SELECT Series 4

Release 05.03
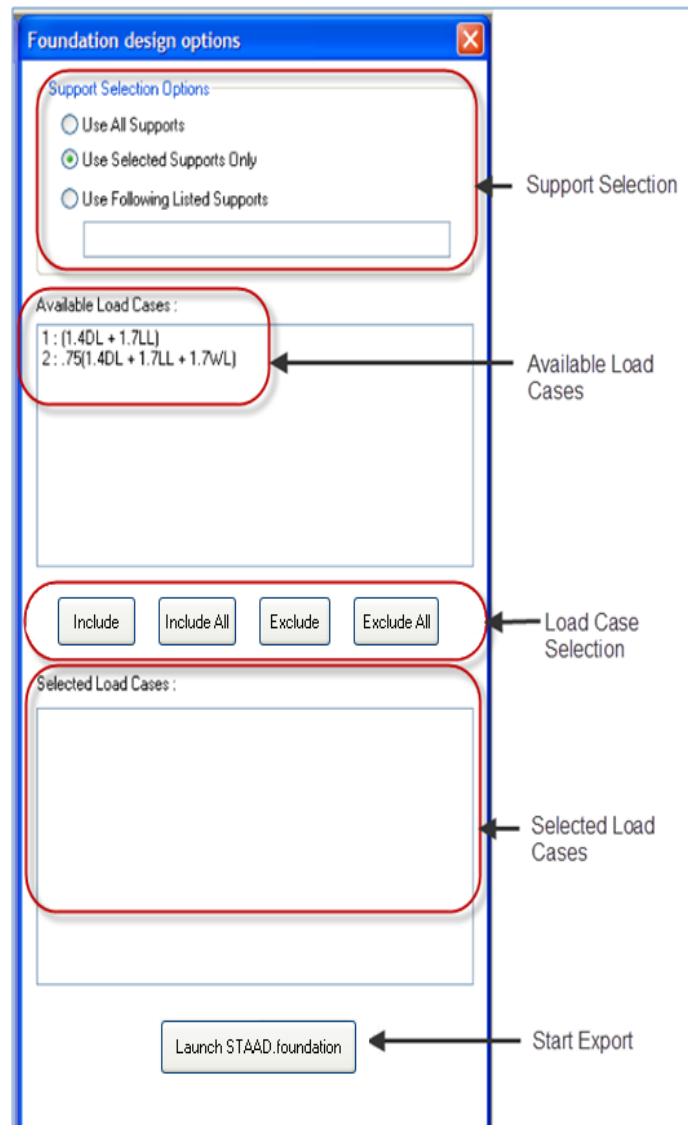
What's New in
STAAD.foundation 5.3

General Features

- ## Export to STAAD.foundation from STAAD.Pro

  STAAD.foundation has been updated to facilitate advanced exporting of structural data from within STAAD.Pro. The Foundation Design mode included in STAAD.Pro V8i (SELECTseries 2) release 20.07.07 and later can be used to export initial data and update the STAAD.foundation project when changes are made in the original STAAD.Pro model.

  If more than one versions of STAAD.foundation are installed on the machine, while export automatically latest version of STAAD.foundation will be selected
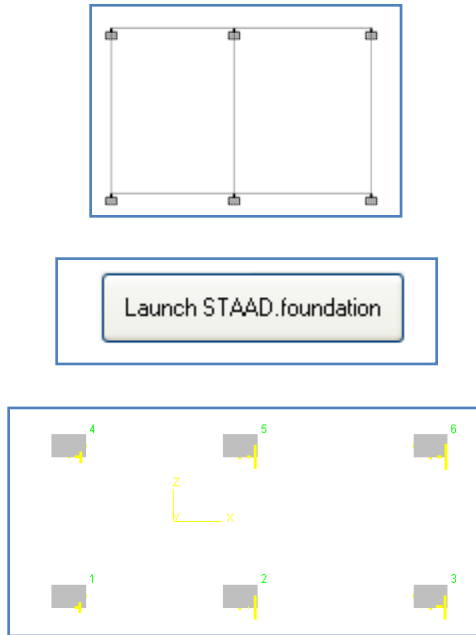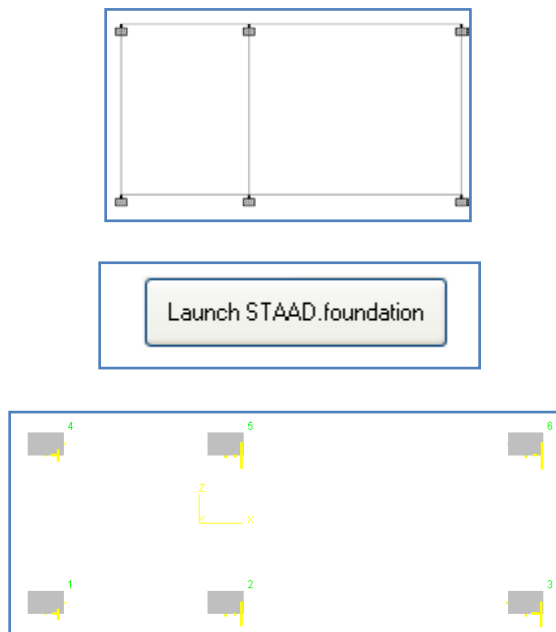
STAAD.Pro Interface

- ## Smart Change Management

  After the initial export, any changes made in the STAAD.Pro model can be seamlessly exported to STAAD.foundation. After an analysis of the changed model is complete, go to the Foundation Design mode and export to STAAD.foundation using Launch STAAD.foundation button.

  First Import

Second Import after model has been changed
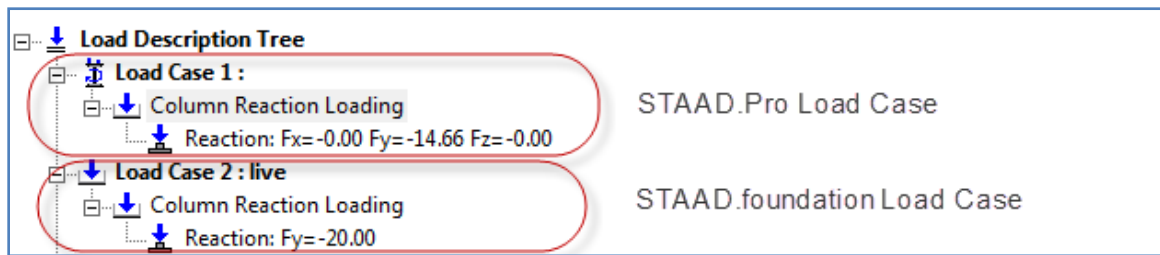
The following Parameters can be updated:

Column Position
Column Shape
Column Size
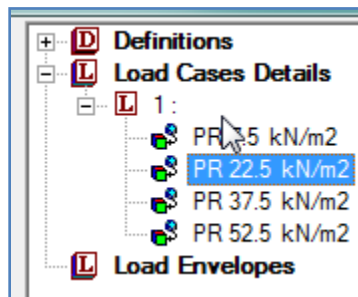Load Cases
Support List

- ## Smart Load Export

After exporting a model from STAAD.Pro to STAAD.foundation, you can create additional load cases in the STAAD.foundation project. These newly added load cases are independent from the STAAD.Pro model. If the loads in STAAD.Pro are updated, STAAD.foundation will only update the imported load cases when another export is initiated via the smart change management feature. Any load cases created in STAAD.foundation will not be affected by changes in STAAD.Pro model.
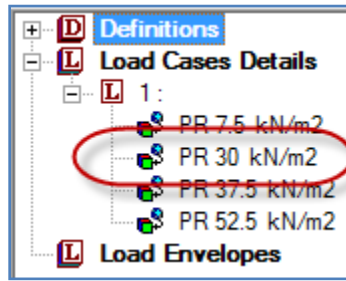
In the STAAD.foundation load description tree, load cases imported from STAAD.Pro will have a STAAD.Pro icon 🔱 and load cases generated in STAAD.foundation will have simple arrow icon ⬇.

First Export
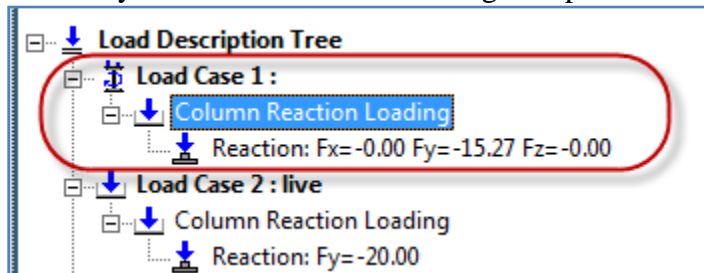

Change Loading in STAAD.Pro

Execute the export

Only STAAD.Pro Load Case gets updated

- ## Smart Unit Export

  STAAD.Pro has two base units setup which are English and Metric. Because of the unit familiarity users want to have the same unit setup even in STAAD.foundation when launch from STAAD.Pro. STAAD.foundation already has interface for setting base unit and display unit but that needs some user interaction. This integration will avoid that unit related confusion.

  Integration will automatically detect the STAAD.Pro base unit setup and the same base unit will be transferred to STAAD.foundation too.

  Only the base unit setup will be transferred, possibly not be the actual units. For instance, you may create a new unit in STAAD.Pro (e.g., T/mm) which may not be available in STAAD.foundation. Thus, the program won't display T/mm but may instead display KN/m. Both are SI units, which is preferable to a mix of SI and English (U.S. Customary).