

The steel detailing module SOFiCAD-S is an optimal supplement for engineers to generate overview and shop drawings in steel detailing. SOFiCAD-S allows generating any current steel profile and user defined profiles in section or any oblique view. Screws can be drawn in the sectional, the elevated and the plan view.

In the normal display, depending on the scale, the screws will be depicted as a symbol or a cross. The type of display can subsequently be changed. The nominal length will automatically be determined by the entered grip length.

Any drawn element is considered in the unit list. Weights, coating areas and transport weight of the pre-assembled main-positions will automatically be calculated.

The positioning can either be done plan- or project related.

- In case of plan related positioning, the position numbers will be assigned independently of the positions on other plans of the project.
- In the case of project related positioning, any position number assigned to the project can be accessed. Thus a building part from an other plan can be inserted into the current plan, simply by indicating the position number. The building part does therefore not have to be designed again.

With SOFiCAD-S single position numbers can be changed and all the positions of a plan can be re-numbered. If a profile's length is changed using an AutoCAD command, the internal data list and the structural steel labelling block can easily be updated. SOFiCAD-S will substantially facilitate the workload and increase the planning quality for every engineer dealing with steel component design.

### Features

- Plan- or project related positioning
- SOFiCAD automatically keeps an internal data list with information such as position number, multiplier, type, dimension etc.
- Generating a quantity-list at the touch of a button from the internal data-list, with output of the total weight of any structural steel position, sum of the coating areas as well as the connection devices
- Automatic generation of a project data base
- Positions not yet assigned can be displayed in an overview
- Through browsing each position can be viewed individually
- User defined profiles according to arbitrary poly-lines, management via catalogues
- Commands to generate plates, flat steel and universal plates in different views, as well as their management in the internal data-list
- Option to configure user-profiles for profile- and material data

