



Automate Detailing

Advance Steel enables the automatic generation of shop drawings, general arrangement drawings, and assembly drawings from 3D models, 2D labelled arrangements, and shop drawings. This can be done using drawing styles, which are created in a separate DWG file. It also has a customisation feature that allows drawings to be created to specific needs.

Reduced Inconsistencies

The **steel detailing software** allows to remove all redundant data and reduces errors. It also helps reduce waste in the shop fabrication process, as the steel elements are accurately prefabricated and can be aligned at 90-degree angles.

Faster and Accurate Calculation

Architects and engineers who work in the Structural Steel industry must be well-trained in mathematics and must possess the ability to do complex calculations as well as do problem solving. However, with the software, the computer performs complex calculations, resulting in faster, more accurate results. The software provides various math functions from trigonometry and geometry, so the user doesn't need to memorise or calculate them manually.

Automate Updating

Steel Detailing software tracks any changes or edits that are made to the plans and updates all the other deliverables from shop drawings to NC files accordingly. Rather than making a drawing after drawing, quick changes are made and kept in notation in case there is any need to revert back.

.NC Files

Once detailing is completed in the Tekla Structural Model, the NC Data or NC Files can be exported. These files contain information about part length, hole positions, notches, etc. These files are used by CNC (computer numerical control) machine tools to cut steel structures to exact lengths.

Enhanced Interoperability

There is no manual data creation, so the information can be easily communicated to all relevant stakeholders. It also sends alerts whenever changes are made, so everyone stays in the loop, and no new information is introduced without everyone being aware of it at the same time.

THE IMPORTANCE OF STEEL DETAILING SOFTWARE