CNC - *Computer Numerically Controlled*

The CNC Module allows CompuSteel to download CNC information from a SDS/2 Job to a CNC coping, drill or punch machine. Following the downloaded instructions, the CNC machines will automatically drill or punch holes or CNC marks, or make appropriate cuts to structural materials in the current SDS/2 Job.

For non-CNC fabrication machines, the SDS/2 CNC Module can produce a fabrication report such as a punch list, cope report or saw list. The machine operator can then use the fabrication report (along with the SDS/2-generated detail drawings) as a guide or check list for the precise placement of holes, cuts and marks.

We currently own CNC licenses for Peddinghaus equipment, Control Automation equipment, and generic plate burners.

DesignLINK

DesignLINK is an electronic data interchange (EDI) software product that can be used to export/import three-dimensional data in the form of an Intergraph, Dow or SDS/2 neutral file. With DesignLINK we can import data from an Engineering model and eliminate the need to recreate the model for detailing.

Model Link –

Model Link can be used to export data from the SDS/2 model in various file formats or to enable SDS/2 Web Review. Using ModelLink we can export the data in our model to an Engineering group and they can upload the data into their model. This allows the Engineering group to “see” the member connections such as bracing gusset plates to avoid conflicts with piping and other obstacles in their model. The Model Link options are as follow:

Bechtel WALKTHRU output
Steel detailing neutral file
3D .dxf file output
PML code output
VRML
SDS/2 Web Review

Bill Interchange Format (BIF)

BIF allows us to transfer bill of material information from selected detail sheets to programs other than SDS/2 via a floppy disk. You can then use the downloaded BIF file in, for instance, a spread sheet program or to provide bill of material data to a steel production, ordering and estimating program. All data is sent in ASCII text, which is a file type read by common word processing programs.

KISS Export

The KISS standard is an open standard for management information developed by Fabtrol. KISS stands for "keep it simple steel." Some fabricators import this data to programs such as Fabtrol which allows them to generate a variety of reports that can benefit their steel production.

DXF Interface

The DXF Interface program allows us to export detail sheets, gather sheets and erection sheets as .dxf files, which can be read by programs such as Autodesk's AutoCAD program.

The DXF Interface can also be used to import copies of .dxf files into our current Job as job standard details. Entities brought into SDS/2 from the original .dxf file, including dimensions, will be converted in the the job standard detail to lines, labels, arcs or circles.

SPN Download

This option is for members of the Steel Plus Network who use SDS/2. It allows SDS/2 users to transfer the bills of material of details placed on selected detail sheets. In addition to bill of material information, the download may include category definitions applied to member main material.