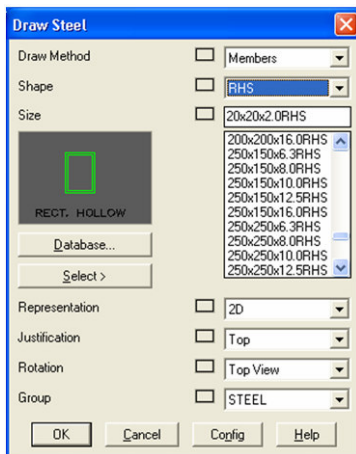# MultiSTEEL 2D
drawing steel into a new dimension

The MultiSTEEL concept

MultiSTEEL is the most comprehensive steel drafting environment for AutoCAD users, and delivers the best possible accuracy and productivity in all areas of structural detailing.

With over fifteen years development and continuous enhancement, MultiSTEEL allows drawings to be created with a speed and fluency that is simply impossible to achieve with standard AutoCAD. Whether producing scheme drawings, working drawings, or as-built drawings, MultiSTEEL provides a totally flexible solution.

To improve general drafting efficiency, MultiDRAFT is supplied as an integral part of MultiSTEEL, and ensures that drawings are consistent in terms of layering, annotation style, and drawing presentation. MultiDRAFT is fully adaptable to your company's in-house drawing standards, and even includes automated scaling to simplify viewport control and prevent errors.

MultiSTEEL is simply the most complete application for steel drafting and the only one available for all AutoCAD platforms. Also available as a fully self contained CAD package powered by AutoCAD® OEM technology.

The draw steel dialog box

Steel Profile Libraries

The Steel Profile Libraries are at the heart of MultiSTEEL and are the key to its accuracy and productivity. Steel profiles are selected from a comprehensive database to which the user may add additional sections if required. Immediate access to the database of over 5000 sections requirements to be displayed. Cladding and purlin profiles are also included.

A complete range of International Steel Libraries is provided.
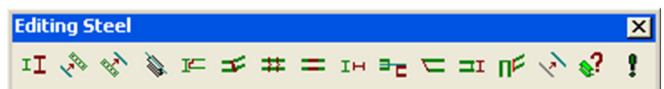
Feature Summary

- Fast accurate GA and Detail Drawing production
- Easy editing to keep up with design changes
- Full section libraries, UK, European, North American and many others
- Extensive connections library
- Sections can be shown in 2D, 3D and Stick representation
- Cutting lists, materials summaries, steel weights
- Fully integrated with MultiDRAFT
- Full 3D visualisation of 2D drawings
- Unrivalled support and service

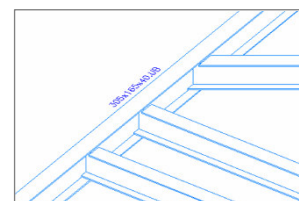*Photograph courtesy of David French & Ptnrs*

Powerful Editing Commands

Being able to incorporate changes quickly and easily is an essential part of the design process and MultiSTEEL provides all the commands required to achieve this.
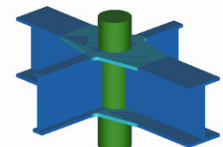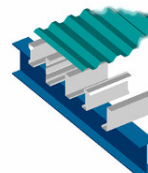

Steel properties can easily be changed including:

- Section type
- Size
- Rotation
- Justification
- Cutbacks
- End gaps
- Skew angles

Intelligent Notching/Cutbacks

Steel can be mitered, broken or merged. AutoCAD lines, polylines, and arcs can also be formed into intelligent steel objects. Steel can be shown as true 2D profiles, Stick lines, or 3D objects in the 2D plane of the drawing.

Scheduling Steel

MultiSTEEL can generate a comprehensive material list as the drawing is created. Automatic item numbers are allocated to each component and these provide a direct link to the drawing schedule.
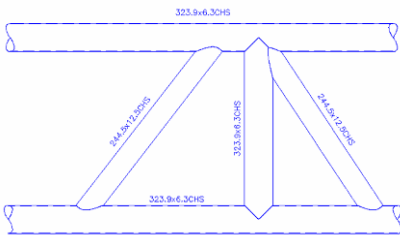
Total weights of steel, surface areas, cutting lists and steel summaries can then be displayed. A drawing created with MultiSTEEL becomes a working database, which can also be exported to other applications if required.

A material summary can be displayed at any time
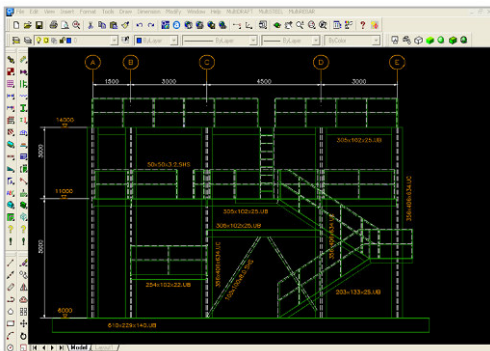
Workshop Module

This module provides more specific detailing tools for the designer, including notching for a range of bolted and fully welded connections, together with stiffener, and gusset plate commands.

Advanced cutback facility for pipe/tube intersections

Bolting and Welding

Specific detailing tools for bolted and welded construction are provided. Bolt groups are dynamically toggled into place with automatic centre and edge clearance considerations. A full range of weld symbols is provided.

Producing fully annotated drawings, MultiSTEEL is a complete solution for effortless steel drafting
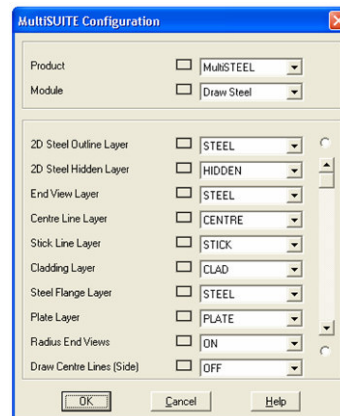
Connections

MultiSTEEL includes parametric connection detailing for Plate cleat, Angle cleat, and End Plate connections. Details can be built up from progressive dialogues, retrieved from a connection library, or from a General Arrangement drawing. This greatly reduces repetitive detailing of connections.

Although primarily a 2D system, the 3D representation of stairs, ladders and handrails is also possible

Configuration

All modules can be configured to accommodate specific detailing preferences and layering

AutoCAD Platforms Supported

MultiSTEEL versions are available for AutoCAD 2000, 2002, 2004, 2005, 2006 and Architectural Desktop.

MultiSTEEL CAD is also available as a fully self contained CAD package powered by AutoCAD® OEM technology.

Network versions available. Only MultiSTEEL 2D provides truly flexible licensing across all AutoCAD platforms.

Autodesk
Authorized Developer