

MultiSTEEL Mezzanine

Mezzanine & racking design solution

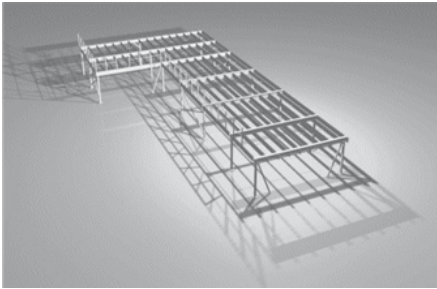
The MultiSTEEL concept

MultiSTEEL is the most comprehensive steel drafting environment for AutoCAD users. It delivers the best possible accuracy and productivity in all areas of structural detailing for mezzanines, racking and other industrial storage structures.

With over ten 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.

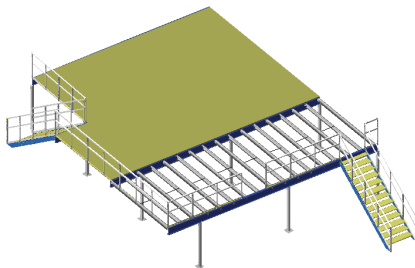
Whether producing sales drawings, working drawings, details or as-built drawings, MultiSTEEL provides a totally flexible solution. MultiSTEEL Mezzanine allows flooring proposals to be developed quickly and easily from survey data, enabling the most suitable configuration and associated costings to be arrived at as quickly as possible.

Full summaries of all materials required can be generated off the layout drawings. Detail drawings can be created automatically with minimal further drafting work.



Feature Summary

- Fast, accurate Layout and Detail drawing production.
- Easy editing to keep up with design changes.
- Full section libraries for all BS hot rolled floor beams and cold rolled flooring joists.
- Extensive connections library for various joist types.
- Full plate details for top plates, base plates and beam connections.
- Cutting lists, material summaries, steel weights.
- Stair Detailing and new Bracing Detailer included.
- Inset and Oversail designs.
- Multi-Level Column Detailing.



Steel Profile Libraries

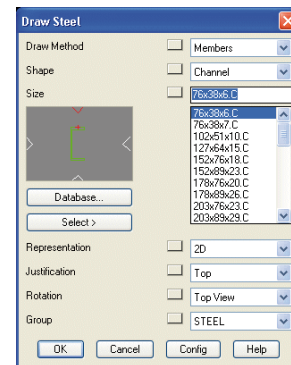
The steel profile libraries are at the heart of the MultiSTEEL and are the key to its accuracy and productivity.

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 allows section information, properties and detailing requirements to be displayed.

Cold rolled floor joists for all UK manufacturers are included in their associated cleat details.



Comprehensive Steel Libraries



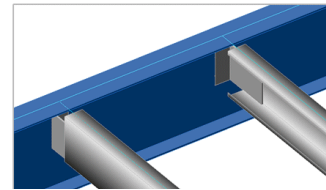
The Draw Steel Dialog Box

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



Steel can be broken, mitted or merged.

AutoCAD lines, polylines and arcs can also be formed into intelligent steel objects, allowing existing AutoCAD drawings to be converted easily. Steel can be shown as true 2D profiles, Stick lines or 3D objects in the 2D plane of the drawing.

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Material Lists

The MultiSUITE can generate a comprehensive material list at any stage. Automatic item numbers are allocated to each component and these provide a direct link to the drawing schedule.

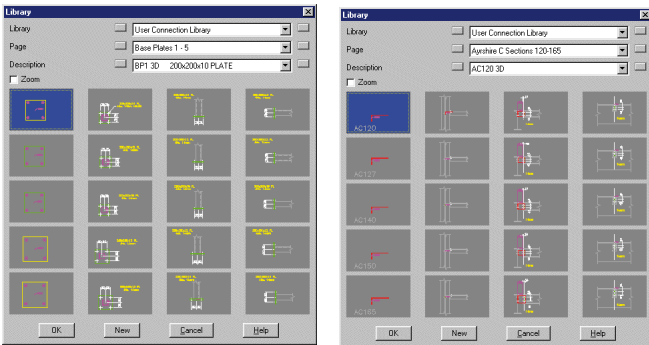
Total weights of steel, surface areas, cutting lists and steel summaries can then be displayed. A drawing created with MultiSTEEL becomes a working database, which can also be exported to other applications such as Excel if required.

Item	Qty	Size	Grade	Length	Weight	S Area
13	152415200	UC	43	85474	1504.4	52.15
17	152415200	UC	43	84524	2535.7	76.07
4	152407816	C	43	3416	61.2	1.96
2	152408916	LB	43	6900	88	3.91
5	202403048	UC	43	15201	785.8	19.27
63	254446421	LB	43	126010	4827.8	136.99
65	254425410	UC	43	393725	42130.1	589.69
2	254425410	UC	43	15942	2091.3	24.45
28	254425473	UC	43	166361	7764.3	197.95
46	305410540	LB	43	107620	6348.9	193.29
Grand Total				2724560	316993.1	4663.99

Display Material Summary at any time

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 layout drawing. This greatly reduces repetitive detailing of connections.



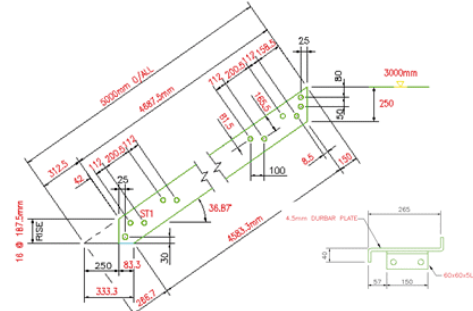
Customised Plate Details

Connection Libraries

Stairs, Ladders and Handrails

MultiSTEEL includes macros for designing and detailing stairs, ladders, handrailing and bracing.

Each macro is configurable to your exact requirements.



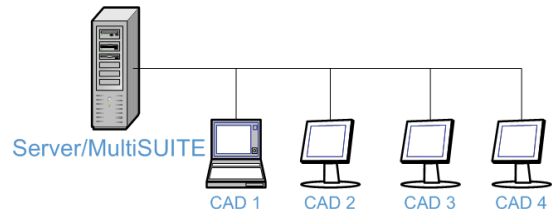
Staircase stringer macro showing calculated values (red)

AutoCAD Platforms Supported

MultiSTEEL Mezzanine is also available with the AutoCAD OEM 2007 technology built in. Also supports all current versions of AutoCAD, including Mechanical and Architectural Desktop.

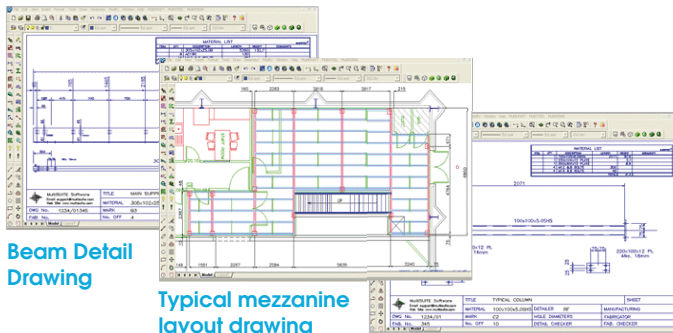
Stand-alone and network versions available.

Only MultiSTEEL provides truly flexible licensing across all AutoCAD platforms.



MultiSUITE Licence Manager provides full networking support giving access to the software licences from any CAD station.

MultiSTEEL is the only CAD system tailored for high speed mezzanine drafting and detailing.



Beam Detail Drawing

Typical mezzanine layout drawing

Column Detail Drawing

Autodesk®
Authorised Developer

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