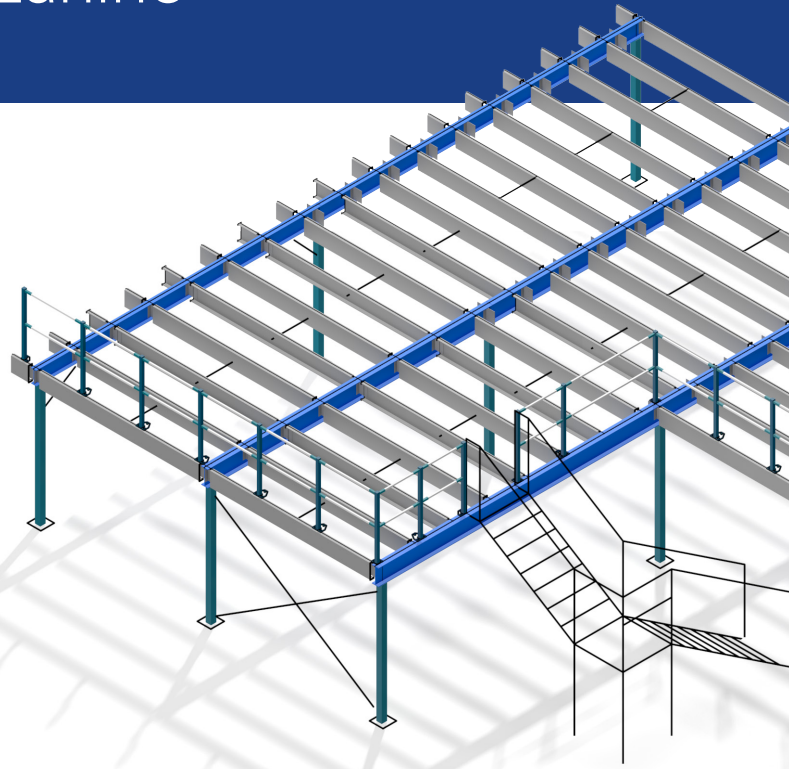**NEW!**
Multi-Tier design
EC3 design

MultiSUITE Mezzanine

MEZZANINES IN MINUTES.

Instant Design Calculations
Accurate Costs &
Fast Drawing Production

WELCOME TO THE NEXT LEVEL

The latest release of MultiSUITE Mezzanine enables almost instant quotes and layout generation for both single and multiple tier mezzanine floors.

Quickly go from survey data, loading requirements and basic floor geometry, and produce member sizes including baseplates and bracing, to a full quotation and preliminary sales drawing in a matter of minutes. It is very easy to try a number of alternative

configurations to see how they affect the structural calculations, quantities and pricing.

Create detailed designs, and an accurate 3D model of your floor instantly in AutoCAD® using MultiSTEEL. From this generate accurate arrangement and fabrication drawings for all of the members with full structural calculations.

New Workflow for Total Project Control

A complete quotation, design and fabrication package in one. This new approach to mezzanine production covers the full work stream from initial survey to final production drawings.

Design (single and multi-tier floors)

Estimating (full material quantities are produced)

Quotations (produced instantly in Excel)

Drawings (sales *and* final design drawings)

KEY FEATURES

- International Design Codes
- Rectangular and Irregular shaped floors
- Single and Multi-Tier floors, to 5 tiers
- User specified beam and secondary beam data
- Suitable for braced and unbraced floor design
- SDNF output to AutoCAD and other CAD systems
- Complete Video Training Course

MultiSUITE Software

Tel. +44 (0)1202 678191   E-mail: info@multisuite.com   **www.multisuite-solutions.com**

Autodesk
Authorized Developer

MultiSUITE Mezzanine: The Concept

MultiSUITE Mezzanine is the **only** fully integrated design, costing, and detailing system developed for the international mezzanine floor industry

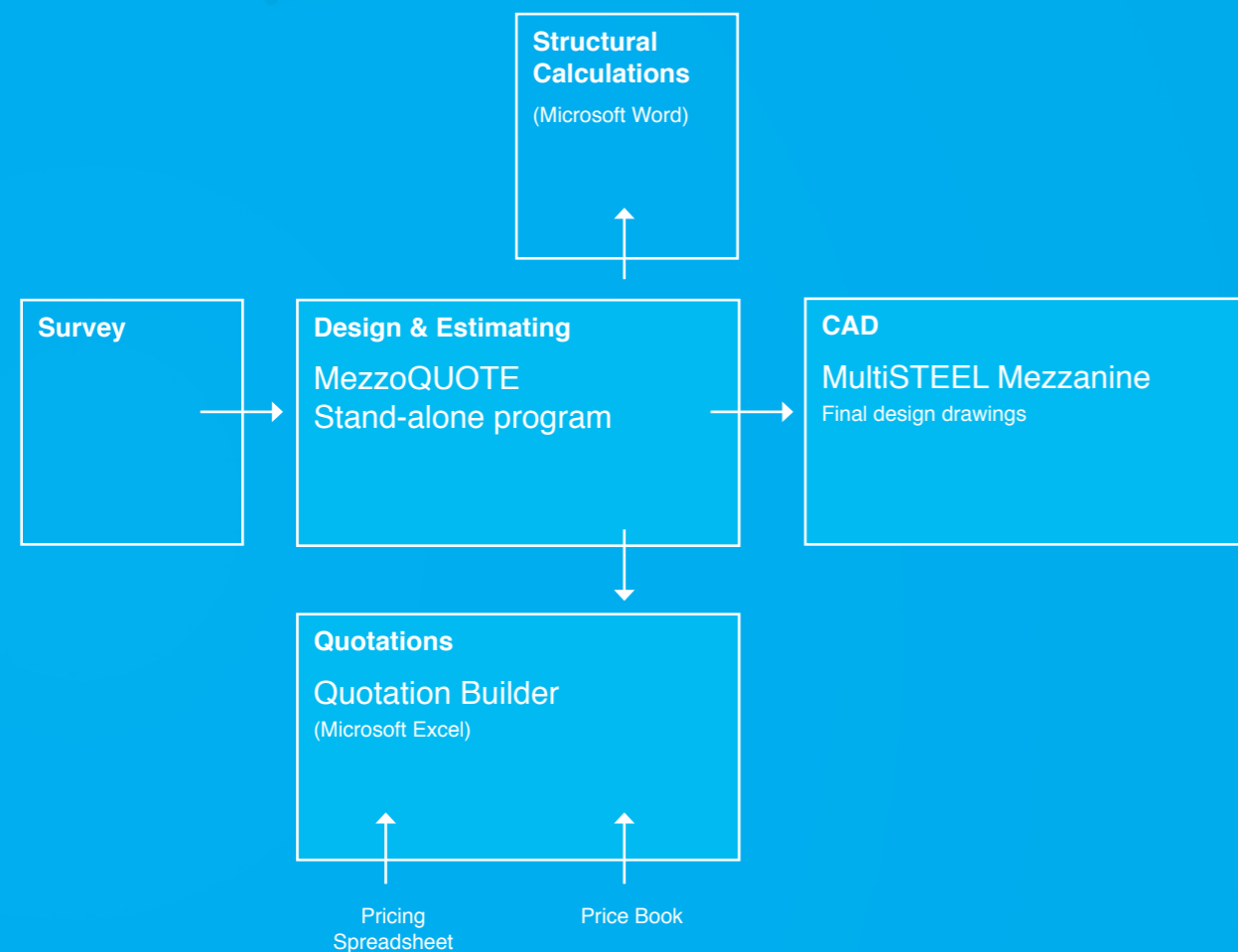Typical 3 Tier L-Shaped floor

Easy to follow screen layouts

MultiSUITE Mezzanine is the product of an international collaboration between engineers, software developers, and mezzanine industry professionals.

The software caters for all stages in the design and pricing of mezzanine floors and fully takes into account the primary objective of all companies in this field, to produce competitive designs in the shortest possible time.
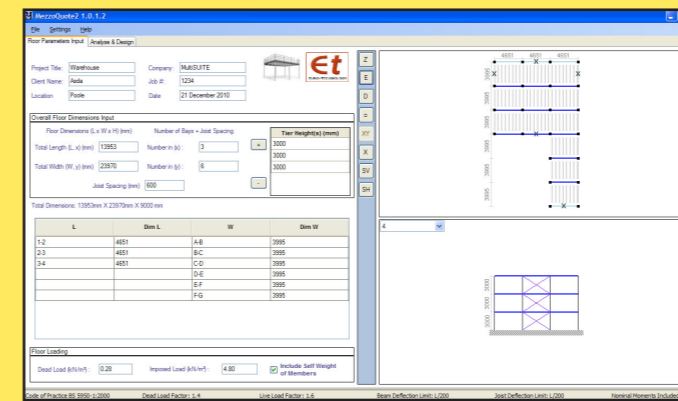
To achieve this the software constantly takes data from one stage in the process to the next, from the design and member sizing to the material list, then on to the pricing module where items are automatically matched against price data prepared by the user. Once a project goes ahead, the design geometry is passed into AutoCAD to create the intelligent drawing model where the fabrication drawings are produced.

The software also offers the advantage of treating the floor as a complete structure, and designing and checking all the component elements right down to the foundations, completely automatically. This means for example that an alternative arrangement of bays, bracing, or secondary beam spacings, can be tried and the effect on the material quantities and hence the price can be seen immediately.
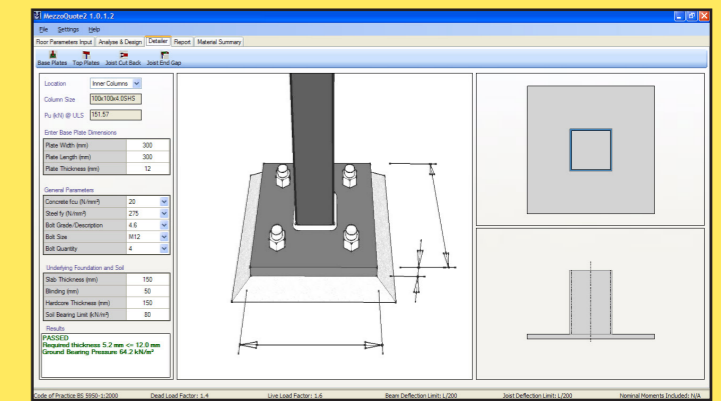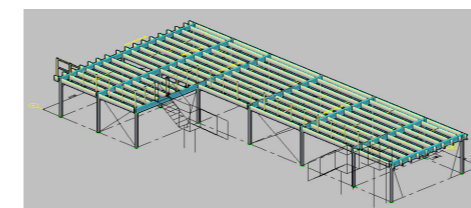
MultiSUITE Mezzanine is an indispensible tool for all companies operating in this very competitive industry.

Flow diagram

Structural Calculations
(Microsoft Word)

Survey

Design & Estimating
MezzoQUOTE
Stand-alone program

CAD
MultiSTEEL Mezzanine
Final design drawings

Quotations
Quotation Builder
(Microsoft Excel)

Pricing Spreadsheet

Price Book

MezzoQUOTE

Material List generated by MezzoQUOTE

MezzoQUOTE is a stand alone program that allows the overall dimensions of the floor to be entered from the survey information. Once the number of bays required in each direction and the loadings are entered, the most economical sizes for all of the members are selected taking into account strength and deflection criteria.

Bays can be added or removed simply by clicking on the floor layout diagram as shown above. Bracing can be added to the required bays in the same way.

Changes to the design data can be carried out at any stage and a completely new design arrived at in seconds. The material required for each design is calculated by length or tonnage as appropriate, and an average weight per square metre of floor is displayed to enable a quick comparison between design alternatives.

Full structural calculations are produced based on the chosen design. A range of International design codes are provided for.

The material list information is updated continuously, and once a design is chosen is then transferred instantly to Excel for pricing.
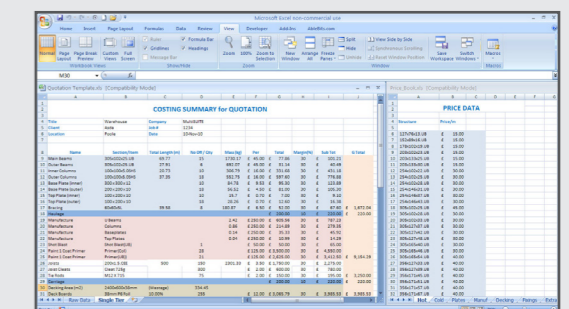

Sales Drawing as 3D generated from MezzoQUOTE

Also the model of the floor structure can be transferred to AutoCAD for preparation of a sales drawing if required. An intelligent drawing is created for either 2D or 3D presentation. MultiSTEEL then allows the addition of staircases, handrailing, ladders etc from an extensive built-in library which includes 20 different staircase types. For multi-tier floors, MultiSTEEL will generate 2D floor plans and elevations from the 3D model.

Quotation Builder
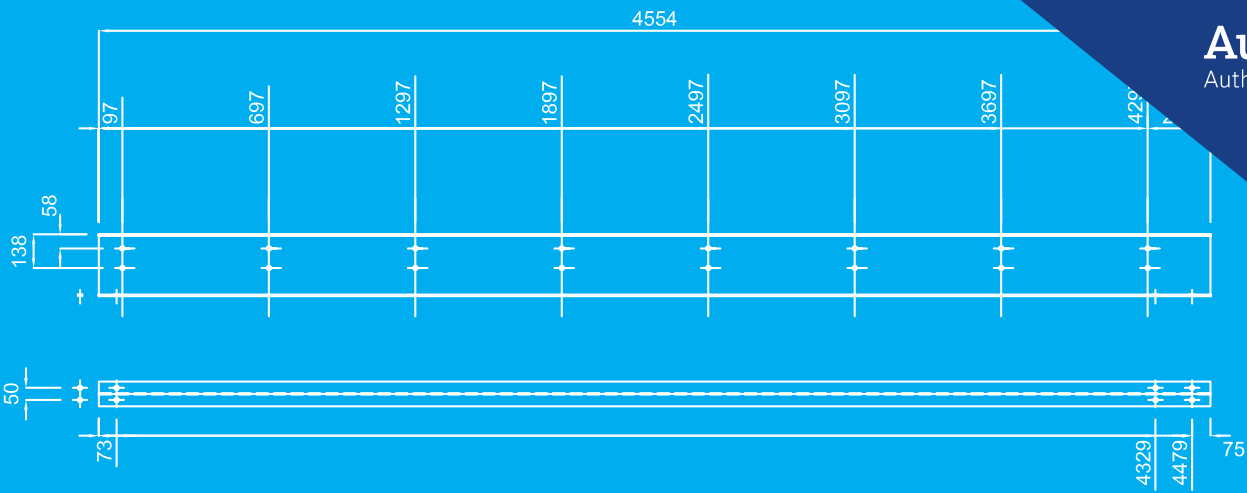

Material linked to Excel for costing

Once the design is finalised and the material quantities required, this data is transferred to a special Excel template which automatically matches the items against price data maintained by the user in a separate workbook.

The structure of this template can be customised easily within Excel to suit your company's preferred way of costing individual items. Similarly the final quotation document in Microsoft Word takes all of the floor parameters and the final total price information and lays it out in the users preferred style for presentation to the client.

This two stage pricing and quotation process we refer to as Quotation Bulder.

Drawing dimensions: 4554, 97, 697, 1297, 1897, 2497, 3097, 3697, 429, 58, 138, 50, 73, 4329, 4479, 75

Mark This End   18Ø Bottom Flange Holes   18Ø Web Holes

PROJECT	ACME Mechanical Services		SHEET
MATERIAL	254x102x22.UB	DETAILER	MANUFACTURING

Example of final production drawing produced by MultiSUITE Mezzanine

MultiSTEEL - Drafting and Detailing in AutoCAD

Feature Summary

• Fast, accurate Layout and Detail drawing production

• Easy editing to keep up with design changes

• Full international section libraries for all hot rolled floor beams and cold formed 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

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.
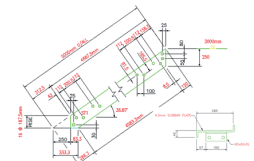
Total weights of steel, surface areas, cutting lists and steel summaries can then be displayed.

A drawing created with MultiSTEEL becomes a working database, which can also be exported to other applications such as Excel if required.

Stairs, Ladders & 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)

MultiSUITE Mezzanine Options

• MezzoQUOTE:
  Design and Pricing module only.

• MezzoQUOTE with MultiSTEEL:
  Design, pricing, and detailing with MultiSTEEL utilising existing AutoCAD licence.

• MezzoQUOTE with MultiSTEEL CAD
  (Includes AutoCAD OEM licence):
  Full Design, Pricing and Detailing Suite with AutoCAD OEM. Suitable for companies that don't currently have a full AutoCAD licence.

Please contact us for clarifications and other options.

All logos and product names are trademarks of their respective owners

AutoCAD Platforms Supported

• MezzoQUOTE is a stand alone program that will run on any Windows platform and PC configuration.

• Quotation Builder operates in Microsoft Excel and all current versions are supported.

• MultiSTEEL can be used with all current versions of full AutoCAD. Hardware requirements are as specified by Autodesk for your particular version of AutoCAD.

• MultiSTEEL CAD consists of the MultiSTEEL application with AutoCAD OEM which is supplied by MultiSUITE Software under licence from Autodesk Inc.

www.multisuite-solutions.com