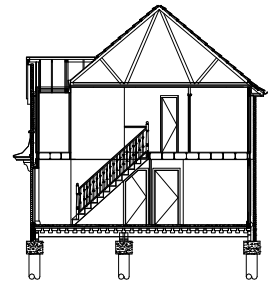


# Stour Valley Timber Engineering

presents a new tool for the  
timber frame engineer

## Timber Frame Engineering™



structural engineers to  
the timber frame industry

[www.stourvalleytimberengineering.co.uk](http://www.stourvalleytimberengineering.co.uk)

# Timber Frame Engineering™

We provide a specialist design software package for timber frame engineers. The software, **Timber Frame Engineering™**, is easy to use and produces a consistent quality format output - every time and is easy to follow and check. It uses BS 5268 Parts 2 & 6.1 as its foundation and other relevant British Standards are utilised as required.

The index page below illustrates the number of design sheets available within the software and that come as standard. There are no 'add-ons' to the software - 'what you see is what you get'. Bungalows to 7 storey buildings can be analysed and designed.

Microsoft Excel - Timber Frame Engineering v3.01c

File Edit View Insert Format Tools Data Window Help

Type a question for help

Timber Frame Engineering

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Security...

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Ready

NUM

**Please read disclaimer before proceeding. By using this this spreadsheet you are agreeing to the terms and conditions.**

**TIMBER FRAME ENGINEERING - INDEX PAGE - Licence OK**

**Job title line 1 - Job title line 2**

Reference	General & Index	Loading	General Stability
<input type="radio"/> About Timber Frame Engineering	<input type="radio"/> Cover Sheet	<input type="radio"/> Loading	<input type="radio"/> Overall Stability
<input type="radio"/> Licence Details	<input type="radio"/> Contents Page	<input type="radio"/> Wind Loading	<input type="radio"/> Racking 6.1 - Lower Floors Max 2.7m Panel Ht
<input type="radio"/> Design Requirements	<input type="radio"/> Design Plans / Sketches		<input type="radio"/> Racking 6.1 - Upper Floors Max 2.7m Panel Ht
<input type="radio"/> Timber Grades & Stresses	<input type="radio"/> Foundation Loads		<input type="radio"/> Racking 6.2 - Lower Floors Max 4.8m Panel Ht
<input type="radio"/> Steel Section Properties	<input type="radio"/> Summary of Project		<input type="radio"/> Racking 6.2 - Upper Floors Max 4.8m Panel Ht
	<input type="radio"/> Masonry Properties		<b>Racking 6.2 - panel ht 4.8m under development</b>

Stud & Cripple Stud Design	Floor Joist Design	Trimmer Beam Design	Steel Post Design	Specialist Timber Frame Design
<input type="radio"/> Stud Input Data	<input type="radio"/> Solid floor Joist Input Data	<input type="radio"/> Beam Input Data	<input type="radio"/> Steel Post Input Data	<input type="radio"/> Differential Movement
<input type="radio"/> Stud Design	<input type="radio"/> Solid Floor Joist Design	<input type="radio"/> Steel Beam Design	<input type="radio"/> Steel Post Design	<input type="radio"/> Disproportionate Collapse - Rim Beam Calcs
<input type="radio"/> Stud Design Calculations	<input type="radio"/> Solid Floor Joist Calculations	<input type="radio"/> Steel Beam Calculations	<input type="radio"/> Steel Post Calculations	<input type="radio"/> Disproportionate Collapse - For Lodges
<input type="radio"/> Stud Design Summary		<input type="radio"/> Timber Beam Design	<input type="radio"/> Steel Post Design Summary	<input type="radio"/> Party Wall Tie - Cullen STR
	<input type="radio"/> I-Joist Data Input	<input type="radio"/> Timber Beam Calculations	<input type="radio"/> Connection Design Steel Beam to Post	<input type="radio"/> Party Wall Tie - Special - 40mm x 3mm
<input type="radio"/> Cripple Stud Input Data	<input type="radio"/> I-Joist Design	<input type="radio"/> Flitch Beam Design	<input type="radio"/> Connection Summary Steel Beam to Post	<input type="radio"/> Space 4 Compression Block
<input type="radio"/> Cripple Stud Design	<input type="radio"/> Single Span I-Joist Calculations	<input type="radio"/> Flitch Beam Calculations		<input type="radio"/> Sway Frame Connection to Timber Frame
<input type="radio"/> Cripple Stud Calculations	<input type="radio"/> Double Span I-Joist Calculations	<input type="radio"/> Beam Design Summary		<input type="radio"/> Headbinder Design
<input type="radio"/> Cripple Stud Design Summary	<input type="radio"/> Joist Design Summary			<input type="radio"/> Panel Fixing - Nails - For Horizontal Shear
				<input type="radio"/> Panel Fixing - Skew Screws - For Horizontal Shear

Miscellaneous Timber Frame Components	To Create Adobe Set Of Calcs:
<input type="radio"/> Steel Sealing Cleats	1. Use Macro to select all sheets or select manually.
<input type="radio"/> Timber Stairs - Closed Risers	2. Use Menu>File>Print>Adobe Distiller.
<input type="radio"/> Steel Stair Component Design	3. Check properties is set to A4 page size.
<input checked="" type="radio"/> Balustrade Design to Open Web Joist	4. Select 'Active Worksheets' and 'Print To File'
<input type="radio"/> Balustrade Design to Solid Joists	5. Return
<input type="radio"/> Inset Parapet Design	6. When prompted for a file ref enter appropriate ref and Enter.
<input type="radio"/> Open Web Joist Check	7. When completed open 'Adobe Distiller' (NOT Acrobat)
<input type="radio"/> Loading Out Joist Check	8. Menu>File>Open (select 'All Files' and select the file previously saved.
<input type="radio"/> Stud Estimates	9. Distiller then converts the selected file to PDF format and returns it to th same location and file name.

Continued ...

A few features include:

- Automatic 'load transfer' down the structure as design takes place
- Individual wall loading and design for greater economy
- Full racking analysis to BS 5268 Pt 6.1
- Provision for disproportionate analysis and design using two differing methods, depending on building layout
- Comprehensive range of materials and grades
- Steel beam and post designs to BS 5950 if required, including connection design
- Full stud and cripple stud designs with automatic 'load carry-down'
- Wind analysis using 'Standard' or 'Hybrid' method to BS 6399

*In fact there is very little it will not do – but there will always be challenging structures that push the boundaries out; and that's where the Engineer starts. As the boundaries move so does the software, hence the availability of upgrades. If there are any features that you would like considering please email your ideas to:*

[support@stourvalleytimberengineering.co.uk](mailto:support@stourvalleytimberengineering.co.uk).

The only minimum operating system requirement is Microsoft® Excel 2002 or later. A moderate RAM of 256MB is recommended.

For further information or to download a set of sample calculations visit our web site [www.stourvalleytimberengineering.co.uk](http://www.stourvalleytimberengineering.co.uk) or call Jonathan Bedford on 07952 545763.

## **Pricing Strategy**

**Licences** *(Includes for initial cost of shipping the software, 12 months support as defined below and annual licence renewals)*

1<sup>st</sup> Site Licence: £3,500 *(unlimited number of users)*

Alternative site licences: £1,500 *(unlimited number of users)*

*The term 'site' refers to different company addresses where the s/w is installed  
Number of support calls may be limited if training is not provided.*

Excludes the cost of Microsoft® Excel.

## **Training**

Training can be provided for a maximum of 4 attendees at your offices for a total cost of £850, although the package is intuitive in itself. This is a 1 day course.

**Annual Support** *(Includes for occasional telephone support and upgrades, but NOT major code changes. Code changes will be advertised separately. Occasional telephone support is defined as an average of 2 calls per month)*

1<sup>st</sup> Site: £750

Alternative site licences: £475

## **Stour Valley Timber Engineering**

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