

e-house®

User Guide



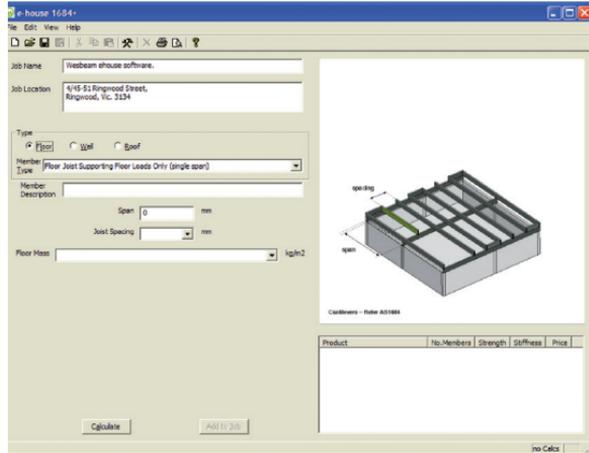
Welcome

Welcome to e-house, the software that will enable you to determine the most appropriate Wesbeam LVL product to use within a framing environment for a given span and load.

Please use the user guide below to provide you with easy step by step instructions on how to use e-house.

If you have any problems with the software please email e-house@wesbeam.com, and one of our technical support personnel will be able to assist.

Instructions/copy



Step 1

1. Open Program.
2. Select Presets () or Select Edit > Presets.

Instructions/copy

Designer:

Company Info:

Margins (mm):
Top:
Left: Right:
Bottom:

Wind Classification:

Bearing Width: mm

Roof Pitch: degrees

OK Cancel

Products

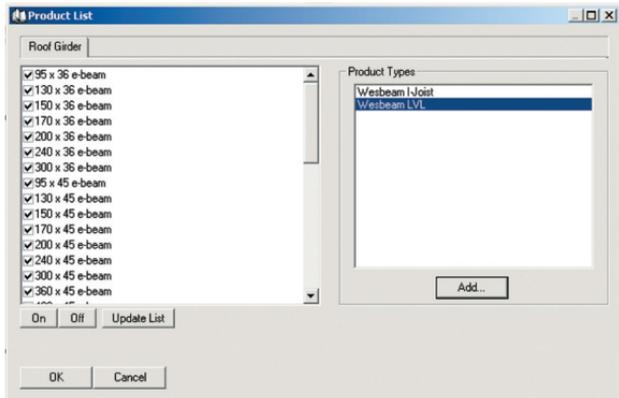
Product	Price \$/m
200 x 36 e-beam	0.00
240 x 36 e-beam	0.00
300 x 36 e-beam	0.00
200 x 45 e-beam	0.00
240 x 45 e-beam	0.00
300 x 45 e-beam	0.00
360 x 45 e-beam	0.00
400 x 45 e-beam	0.00
200 x 63 e-beam	0.00
240 x 63 e-beam	0.00
300 x 63 e-beam	0.00
360 x 63 e-beam	0.00
400 x 63 e-beam	0.00
450 x 63 e-beam	0.00
600 x 63 e-beam	0.00
300 x 75 e-beam	0.00
400 x 75 e-beam	0.00
600 x 75 e-beam	0.00

Edit

Step 2

3. Enter Designers Name.
4. Enter Company Name and Address.
5. Enter margins (mm) for your page set for the Print Preview of designs.
6. Wind Classification - select the nominated wind speed for the region/area that the members is being designed for.
7. Select the Bearing Width for the designed member.
8. Enter the roof pitch if required.
9. Select edit in the Products section.

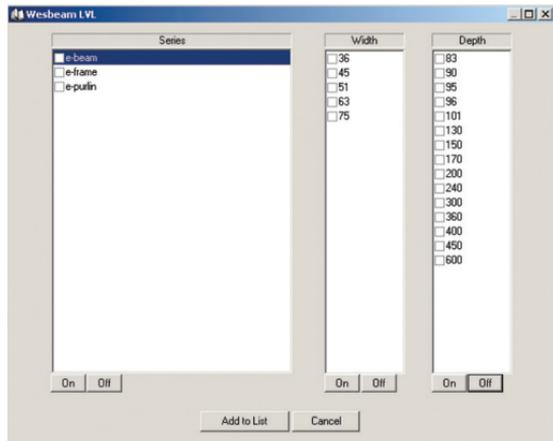
Instructions/copy



Step 3

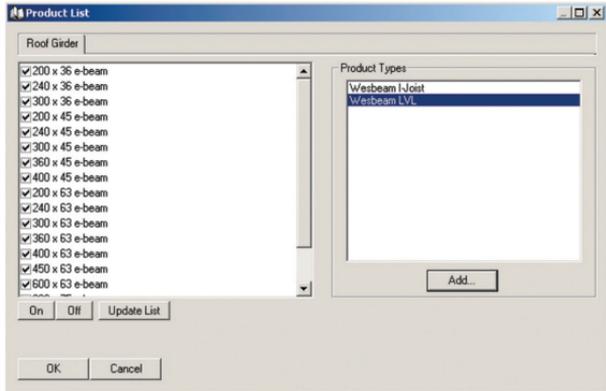
10. Choose the material in the Product Types you would like to design with.
For example Wesbeam LVL, Wesbeam I-Joist.
11. Click Add.

Instructions/copy



Step 4

12. Select a series or use the on/off tick box for series width and depth.
13. When you have selected the Series, Width and Depth, select 'Add to List'.



Step 5

14. Select OK to exit Product List.
15. Preset Screen - you will notice that the selected material has been updated on the Products List > you have an opportunity to input material costs at this stage. This can be useful to sort your designed material by Price, Stiffness, Strength and Solution.
To enter material costs, select the product and double click. Enter the price and then press OK.
16. Press OK to continue.

The screenshot shows the 'e-house 1684+' software interface. The 'Job Name' is 'Wirebeam e-house software.' and the 'Job Location' is '4145-51 Ringwood Street, Ringwood, VIC 3124'. The 'Type' is 'Floor', 'Member Type' is 'Floor Joist Supporting Floor Loads Only (single span)', and 'Member Description' is 'B1 Floor Joists'. The 'Span' is 3600 mm and 'Joist Spacing' is 450 mm. The 'Floor Mass' is '40 (22mm timber flooring plus carpet, underlay and ceiling) kg/m2'. A 3D diagram of a floor joist system is shown with 'spanning' and 'span' labels. Below the diagram is a 'Design Results Table' with columns for Product, No. Members, Strength, Stiffness, and Price. The table lists various timber products with their respective properties and prices.

Product	No. Members	Strength	Stiffness	Price
170 x 45 e-beam	x1	26%	99%	\$0.00
120 x 26 e-beam	x2	20%	97%	\$0.00
150 x 75 e-beam	x1	21%	96%	\$0.00
120 x 48 e-beam	x2	23%	95%	\$0.00
200 x 26 e-beam	x1	>4%	82%	\$0.00
170 x 63 e-beam	x1	21%	78%	\$0.00
170 x 63 e-beam	x1	35%	76%	\$0.00
180 x 36 e-beam	x2	22%	73%	\$0.00
200 x 45 e-beam	x1	35%	69%	\$0.00

Design Results Table →

Step 6

17. Enter Job Name.
18. Enter Job Location.
19. Type - Select the area of design for either floor, wall or roof.
20. Member Type - Select the relevant member type.
21. Member Description - Enter description of member.
22. Treatment - enter level of treatment.
23. Input relevant measurements, i.e. span, joist spacing, rafter spacing. The diagram highlights your information entered.
24. Click Calculate and the program will calculate all of the selected material.
25. e-house 1684+ gives you the option to sort the designed material by Solution, Strength, Stiffness and Price. Click on the relevant heading in the Design Results table for this option.

Print Scale: 100% Page: 1

address: 225 Tenthon Road, Northbrook, IL 60062
 telephone: 847.532.6000
 fax: 847.532.6044
 website: www.wesbeam.com

03/11/08
 01:41:29
 Page 1 of 1

Wesbeam shows software:
 443-51 Kingswood Street,
 Ringwood, Vic. 3134

Member 1:

Description: #1 Floor Joists
 Member Type: Floor Joist Supporting Floor Loads Only (single span)
 Wind Class: N3
 Span: 3000 mm
 Joist Spacing: 450 mm
 Floor Mass: 40 kg/m²
 (225mm timber flooring plus carpet, underlay and ceiling)

Member: 4212 45 #28 x1
 Strength: 20% Softness 20%
 Minimum 40mm bearing required at bearing #1
 Minimum 40mm bearing required at bearing #2
 Permanent load deflection=0.1 mm
 Temporary load deflection=1.6 mm



Reference: 1684-0000

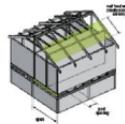
Member 2:

Description: #1 Floor Joists
 Member Type: Floor Joist Supporting Loadbearing Walls Perpendicular to Joists (single span)

Wind Class: N3
 Span: 3000 mm
 Joist Spacing: 450 mm
 Floor Mass: 40 kg/m²
 (225mm timber flooring plus carpet, underlay and ceiling)

Roof Load Width: 600 mm
 Roof Type: Roof/roof

Member: 200 x 45 e-beam x1
 Strength: 20% Softness 20%
 Minimum 35mm bearing required at bearing #1
 Minimum 35mm bearing required at bearing #2
 Permanent load deflection=0.3 mm
 Temporary load deflection=1.4 mm



Step 7

26. The design is complete. If you are satisfied with your material selection, performance and cost, 'Add the Member' to your job. You can now design another member using the e-house 1684+ software.
27. To view your designed members click Preview (). Print if required or you can keep the information on your computer as an electronic file.

Thank You

Thank you for using e-house 1684+ from Wesbeam.

e-house@wesbeam.com

www.wesbeam.com

