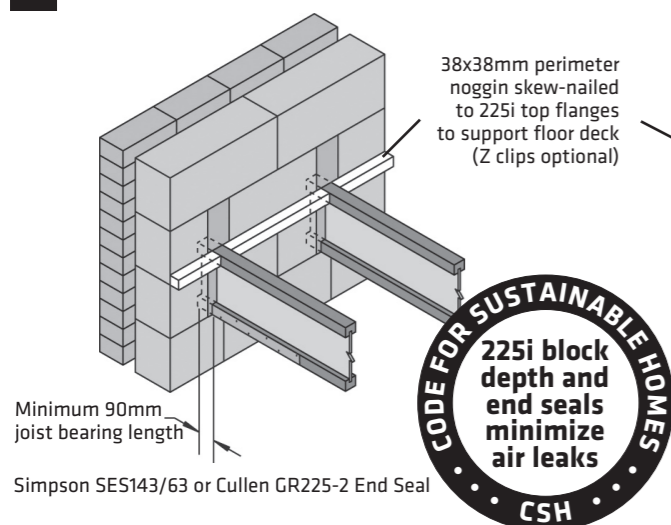


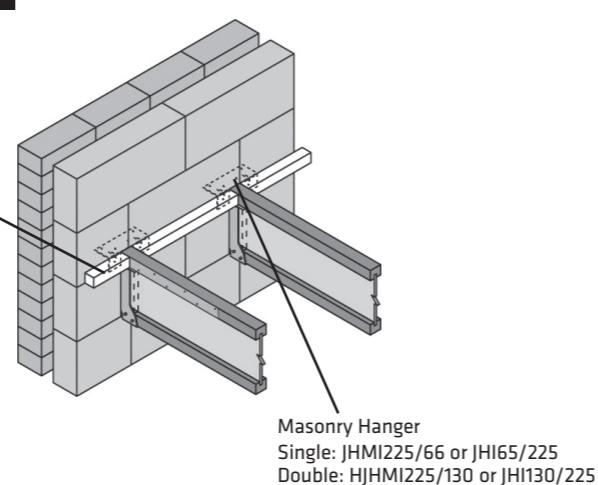
F1

## MASONRY WALL POCKET



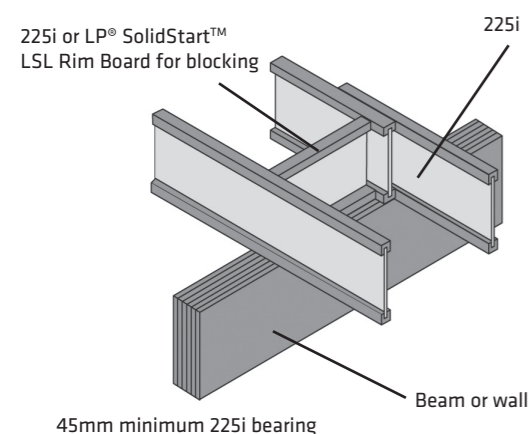
F2

## MASONRY WALL HANGER



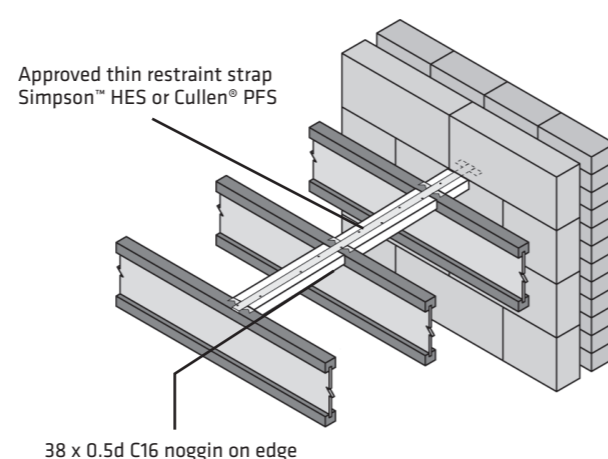
B3C

## INTERIOR WALL BEARING



F6

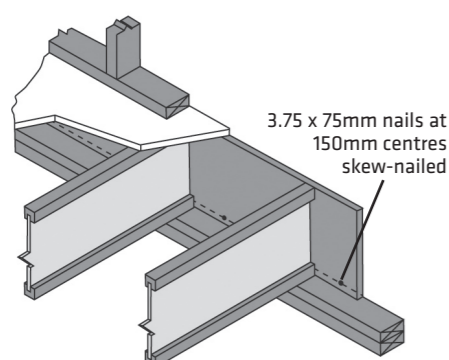
## MASONRY WALL RESTRAINT



A1

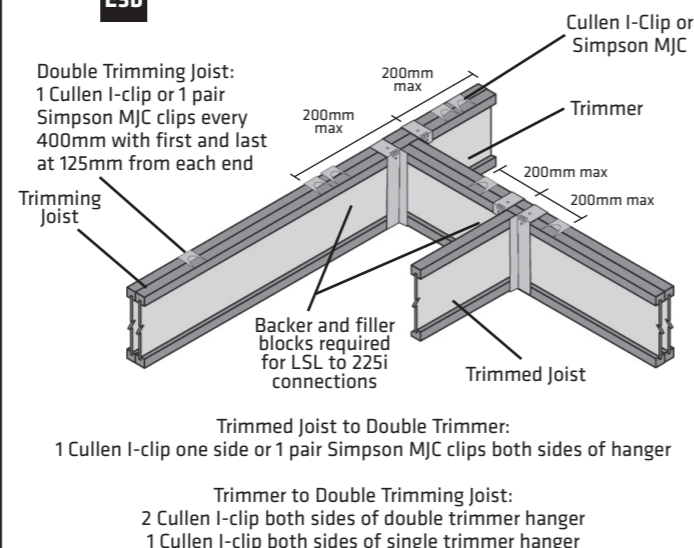
## RIM BOARD

Fasten 29mm rim board to each 225i using one 3.35 x 65mm nail per flange



E3b

## TRIMMER & TRIMMING JOIST CONNECTIONS



Visit [LPCorp.com/UK](http://LPCorp.com/UK) and the latest version of LP® SolidStart™ UK Technical Guide for more information, installation details and capacity limitations.

©2012 Louisiana-Pacific Corporation. All rights reserved. Louisiana-Pacific and LP are registered trademarks and SolidStart and Build With Us are trademarks of Louisiana-Pacific Corporation. SFI and the associated logo are trademarks of Sustainable Forestry Initiative, Inc. PEFC and the associated logo are trademarks of Programme for the Endorsement of Forest Certification. SIMPSON STRONG-TIE is a registered trademark of Simpson Strong-Tie Company, Inc.; Cullen BP is a registered trademark of Cullen Building Products Ltd. Specifications (details) subject to change without notice. LPEW0339 31/12



Engineered Wood Products Scheme EWP-019



# Simply Better 225i Site Guide

NOW INCLUDES 35 x 225 LSL Joist and Loft Cut detail

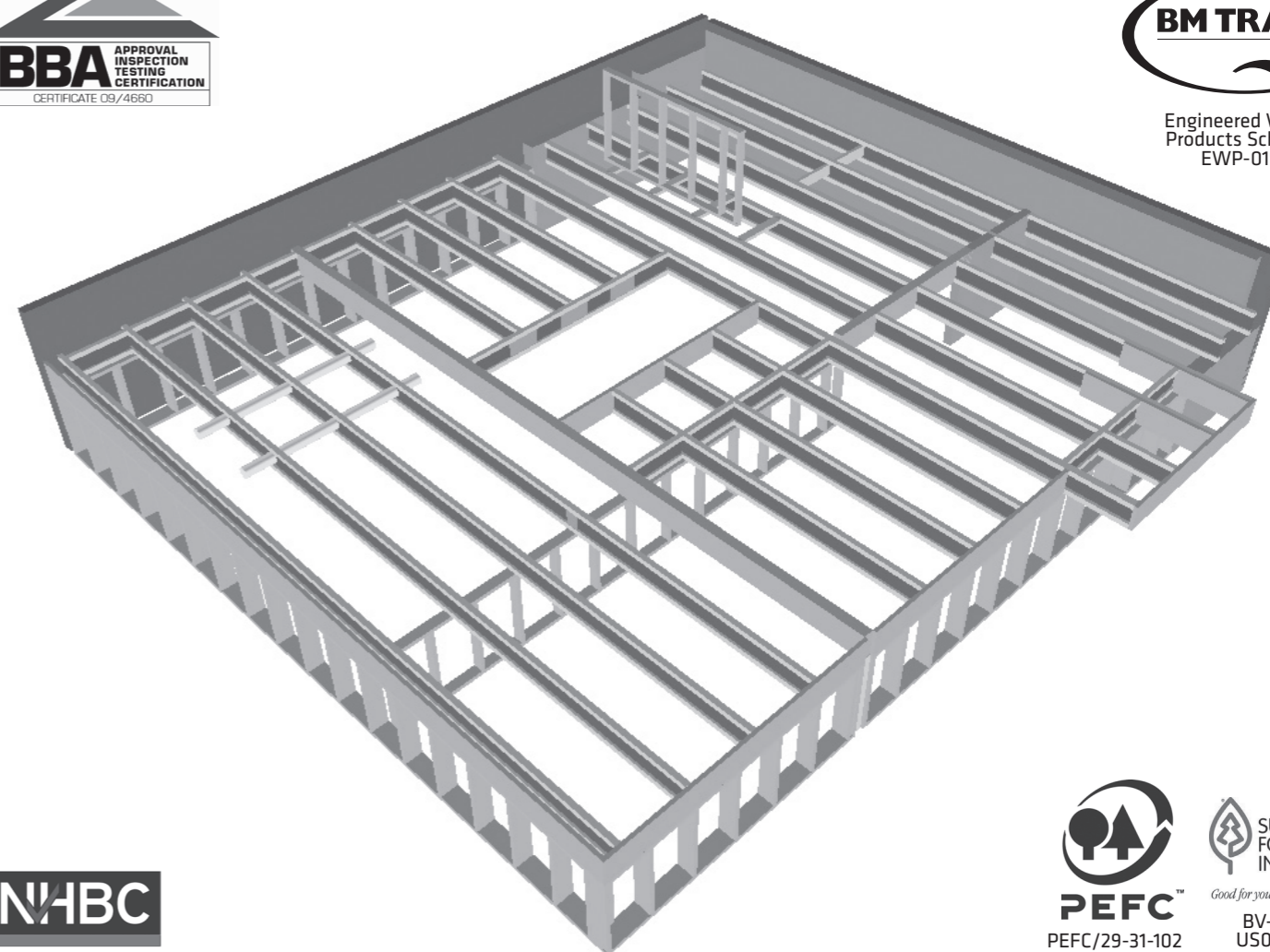
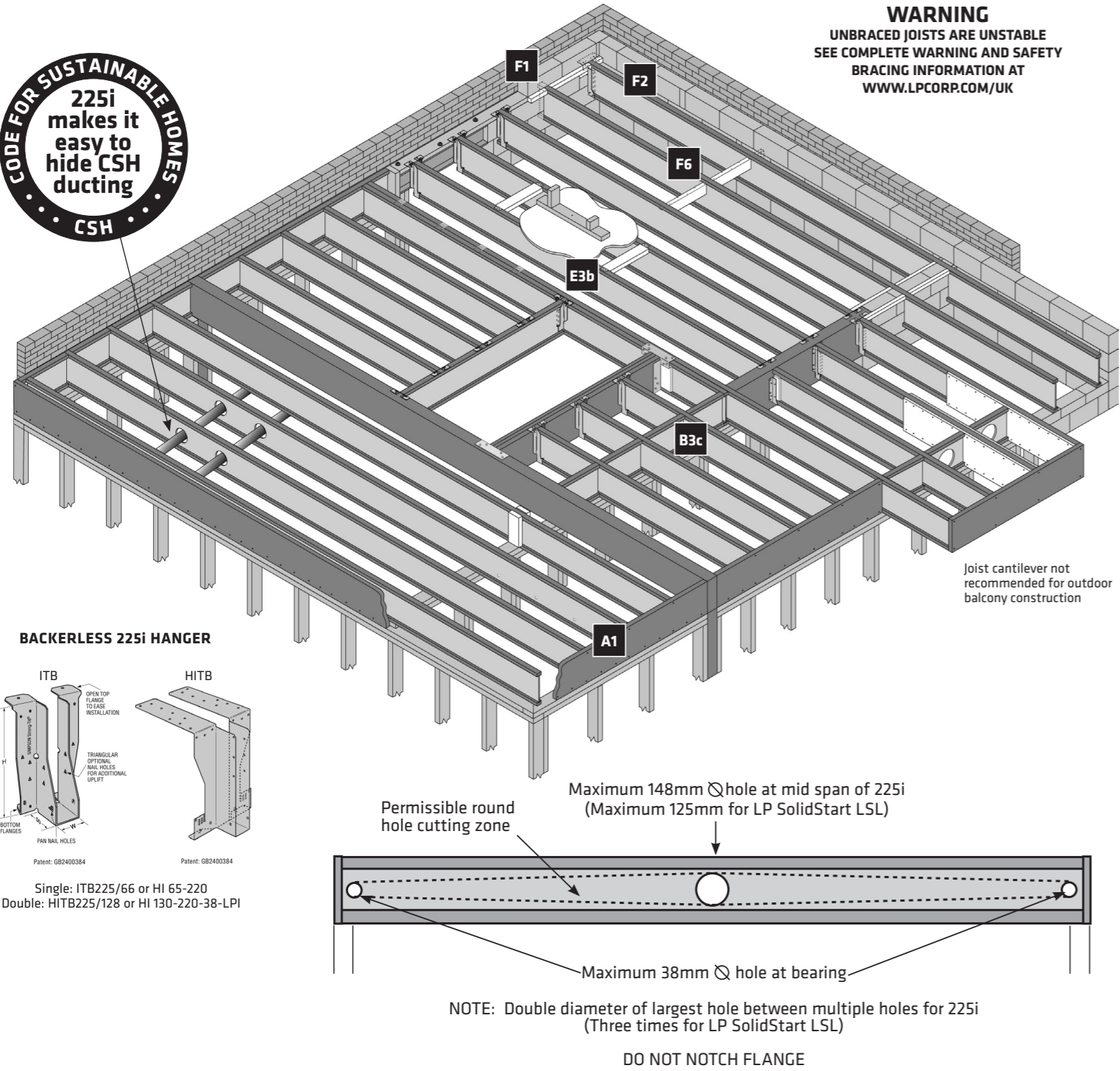


Table 4.2  
Permissible clear spans for domestic floor joists

Imposed load not exceeding 1.5 kN/m<sup>2</sup>

S T R E N G T H  C L A S S	Strength Class C16 and C24    Service Class 1 or 2													
	Size of Joist		Dead loads F <sub>d</sub> (kN/m²) excluding self-weight of joist											
			F <sub>d</sub> not more than 0.25 Chipboard only (Ground/Loft)				F <sub>d</sub> more than 0.25 but not more than 0.5 Chipboard + Drywall (First)				F <sub>d</sub> more than 0.5 but not more than 1.25 Chipboard + Drywall + Tile			
	Breadth	Depth	Spacing of joists (mm)											
			300	400	450	600	300	400	450	600	300	400	450	600
	(mm)	(mm)	Maximum clear span (m)											
	63	225i	5.08	4.71	4.56	4.22	4.90	4.54	4.40	4.07	4.50	4.16	4.03	3.64
1.35E	35	225 LSL	4.75	4.42	4.28	3.98	4.59	4.27	4.14	3.80	4.23	3.92	3.76	3.41
C16	44	195	–	4.16	4.00	3.53	–	3.98	3.81	3.30	–	3.45	3.25	2.82
	44	220	–	4.68	4.51	3.95	–	4.48	4.26	3.70	–	3.86	3.64	3.16
C24	44	195	–	4.45	4.28	3.89	–	4.26	4.10	3.72	–	3.83	3.68	3.34
	44	220	–	4.92	4.78	4.39	–	4.76	4.62	4.19	–	4.32	4.15	3.75

\* For most current information and notes, refer to TRADA Technology Span Tables for Solid Timber Members Guide. For unshaded areas one additional joist is required for parallel, non-load bearing partitions. For shaded areas, two additional joists are required.



LSL Loft Cut  
(NOT for 225i)

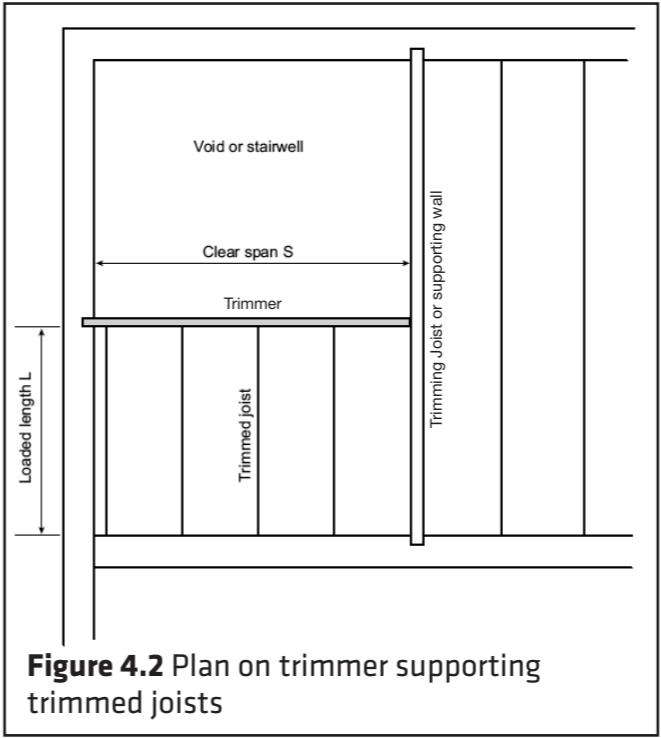
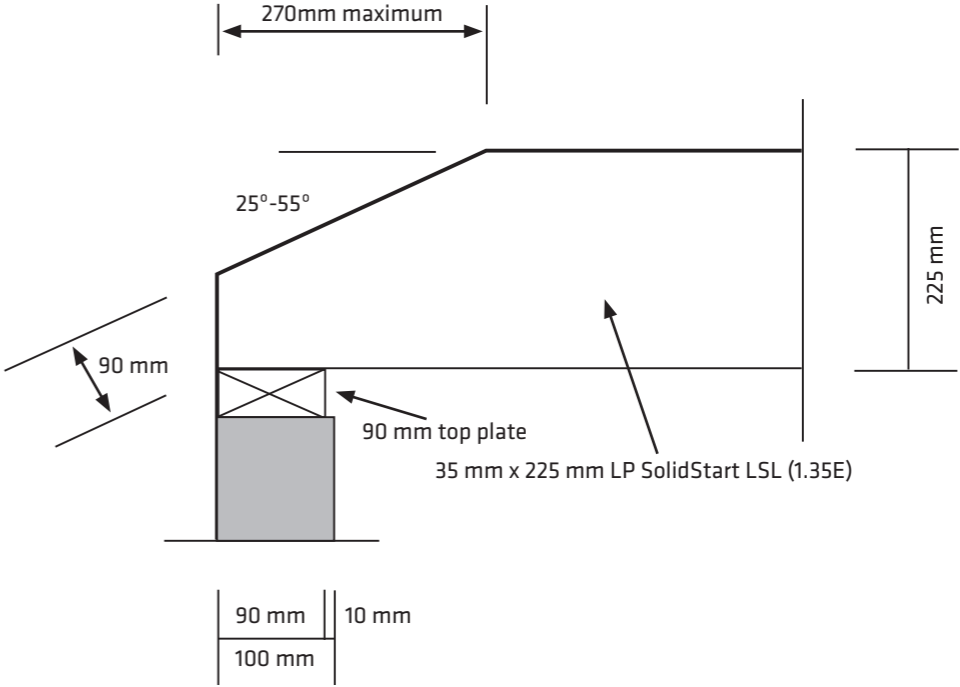


Table 4.4  
Permissible clear spans of trimmers which support trimmed joists and non-loadbearing lightweight partitions  
Imposed load not exceeding 1.5 kN/m<sup>2</sup>

Size of Trimmer (mm)	Chipboard + Drywall (First		Service Class 1 or 2		
	Loaded Length (m) L				
	1.0	2.0	3.0	4.0	4.9
	Clear Spans (m) S				
1 x 63 x 225i	3.16	1.92	1.32	0.97	-
2 x 63 x 225i	4.28	3.66	2.91	2.24	1.83
1x35 x 225 1.35E LSL	3.17	2.67	2.12	1.51	1.11
2 x 35 x 225 1.35 E LSL	4.02	3.43	3.07	2.81	2.63
3 x 35 x 225 1.35 E LSL	4.44	3.95	3.54	3.25	3.05

Note: Backer and filler blocks required for LSL to 225i connections.  
Double LSL Trimmer: 4 rows of 3.35 x 65mm nails at 300mm oc from one face.  
Treble LSL Trimmer: 4 rows of 3.35 x 65mm nails at 200mm oc from both faces, offset rows by 100mm front to back.

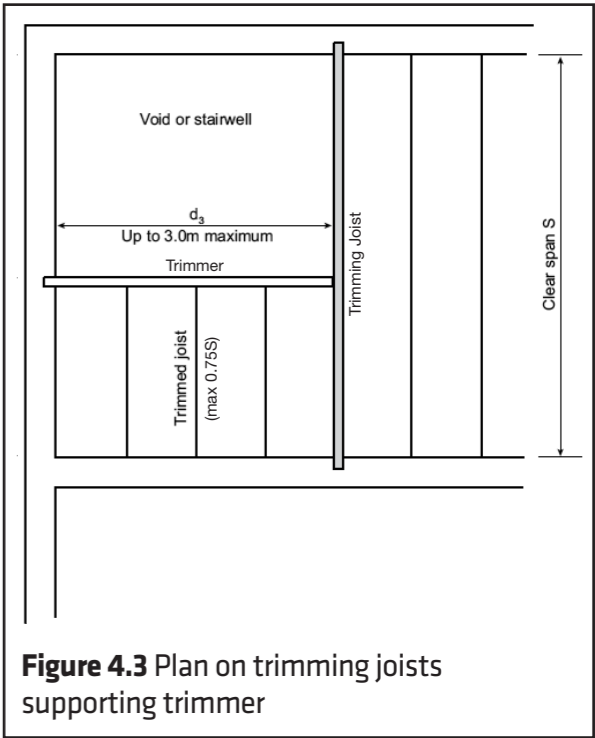


Table 4.6  
Permissible clear spans of trimming joists which support a trimmer and non-loadbearing lightweight partitions  
Imposed load not exceeding 1.5 kN/m<sup>2</sup>

Size of Trimming Joist (mm)	Chipboard + Drywall (First) Service Class 1 or 2		
	Loaded Length (m) L		
	1.0	2.0	3.0
	Clear Spans (m) S		
1 x 63 x 225i	2.91	2.24	1.65
2 x 63 x 225i	3.99	3.71	3.35
1 x 35 x 225 1.35E LSL	2.88	2.67	2.14
2 x 35 x 225 1.35 E LSL	3.68	3.43	3.23
3 x 35 x 225 1.35 E LSL	4.15	3.95	3.73

Note: Backer and filler blocks required for LSL to 225i connections.  
Double LSL Trimming Joist: 2 rows of 3.35 x 65mm nails at 600mm oc from one face. Add 8 3.35 x 65mm nails each side of hanger.  
Treble LSL Trimming Joist: 2 rows of 3.75 x 75mm nails at 600mm oc from both faces, offset rows by 300mm front to back. Add 8 4.0 x 90mm nails each side of hanger.