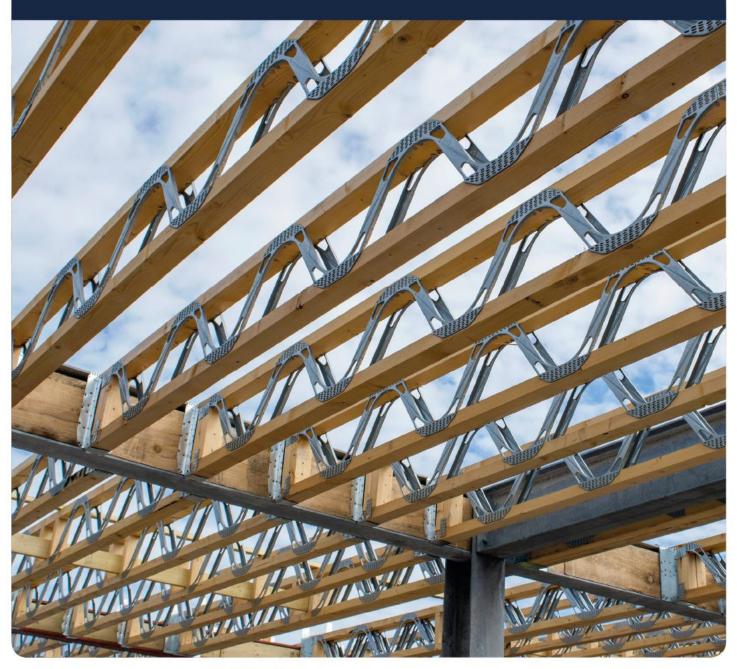


SpaceJoist Design Information Request

CLIENT GUIDE

The purpose of this Document is to identify to the Building Designer the Critical Information required to complete a SpaceJoist Floor Design.





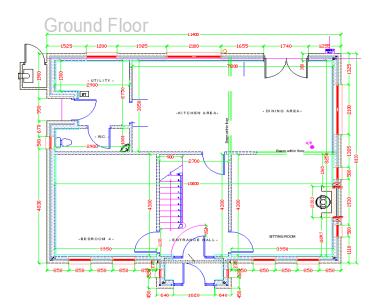




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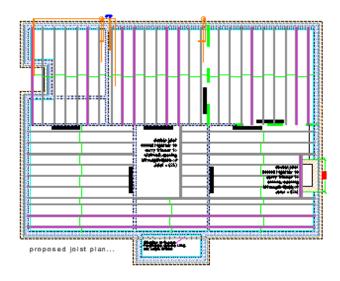
Dimensioned Floor Plans

SpaceJoists are designed to suit exact setting out.

As such, floor plans must be provided with all dimensions for both external and internal walls.

Any discrepancies during construction may mean that the SpaceJoists will not fit and may require re-designing.

Load bearing walls must be highlighted on plans.



First Floor

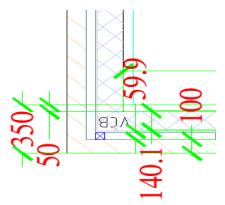
It is important to remember that any connection of the floor structure to the building must be reviewed and confirmed by the building designer.

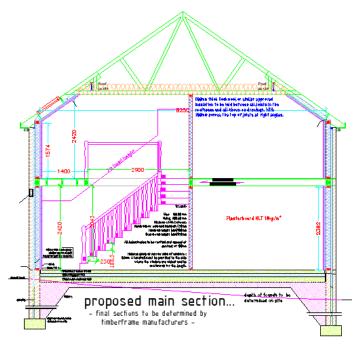
SpaceJoist Span

The designer must be told if the project engineer requires joists to span in a certain direction. Also, if joists are required to be at predetermined centers.

The provision of a proposed joist layout helps the designer to fulfill these requirements.

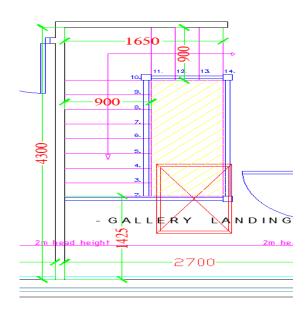
Accurate dimensions of walls will ensure the designer can produce SpaceJoists with correct spans.

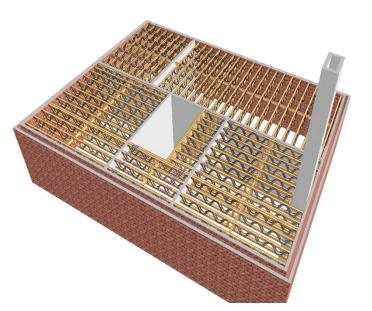




Sections showing dimensions for stairs is recommended as this provides the designer with accurate information to allow for stair opening.

Accurate dimensions will ensure the correct ope is allowed for Stairs .





Support Details.

Details should be provided as to how the SpaceJoists are intended to be supported. Details shown below are the most common- for more details and information please see the SpaceJoist technical guide- available to download at www.itwcp-offsite.co.uk

Masonry

SD1- Build-in to Masonry

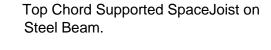
Masonry

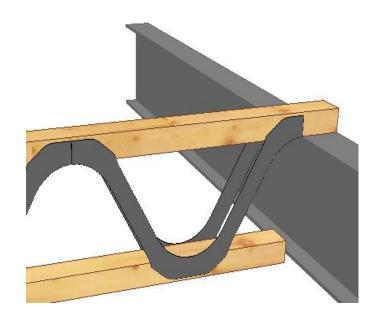


SD2-Hanger Support onto

Steel Beam

Beam Filled with Timber and SpaceJoist supported by Hanger.





Aperture Details

It is important for a designer to be aware of the max size of ducts that are in the SpaceJoist zone.



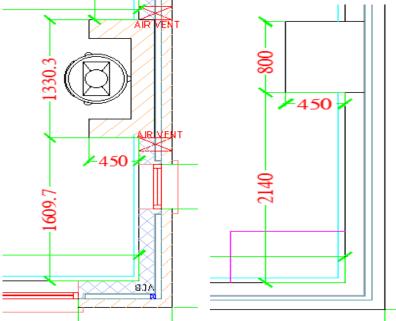
Web	Depth	Circular	Rect	Rectangular		Max height
TW8	195	120	73	208	107	125
SJ9	219	120	75	210	105	125
SJ10	254	154	97	208	133	158
SJ12	304	192	121	215	155	209
TW14	375	252	160	283	204	285
TW16	425	265	178	3 264	212	330

Dimensions shown in mm.

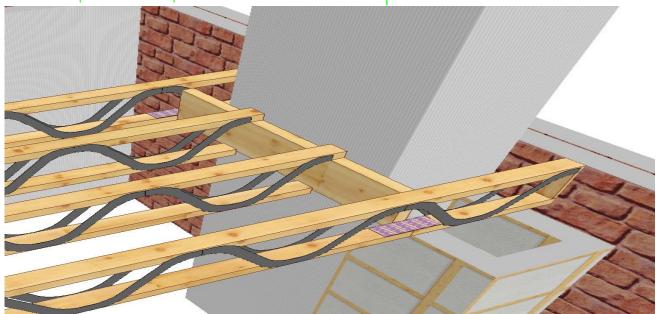
These dimensions include a 3mm clearance. Dimensions are approximate as discrepancies may occur in manufacture.

Ground Floor Chimney

First Floor Chimney



Chimney dimensioning is **very important** as we can see from the sections that the chimney can reduce in size as it progresses from ground floor to first floor. This enables the correct opening and spacing of SpaceJoists and improves floor designs.



Building restraint & bracing

The floor designer takes responsibility for the bracing of the floor structure, however, the bracing of the building and therefore the connection of the floor bracing to the structure is the responsibility of the building designer.

Loadings

It is the building designer's responsibility to inform the floor designer of all the loads being applied to the floor structure. The building designer should review the design to ensure the SpaceJoist designer has accounted for all necessary loadings.

Connection of timber structure to building

Specifications of connections of the floor structure to the building are the responsibility of the building designer, these must be reviewed during approval to ensure they meet requirements. Building designers should particularly ensure that actions of wind onto a building have been taken into consideration.



Gang-Nail Technical Support

3rd Roor Westmead House Farnborough Hampshire GU14 7LP United Kingdom

t : +44(0)1252 551960 f : +44(0)1252 543436

Customer Services (GB manufacturers)

1 Wheatstone Place Southfield Industrial Estate Glenrothes Fife KY6 2SW United Kingdom

t : +44(0)1592 771132 f : +44(0)1592 771182 e : orders@itwcp.com

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1st Floor, Unit 1a Penrose House Treleigh Industrial Estate Redruth Cornwall TR16 4AX United Kingdom

t : +44(0)1872 245456 f : +44(0)1872 245451 e : helpdesk@itwcp.com

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