

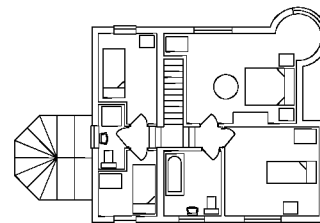
Surveyors and Designers

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02/11/2018

Our Ref.: 2383

Dear Emma

The Friends Meeting House, Church Street, Littlehampton.

Further to instruction an inspection of the first floor office floor was made to ascertain the cause of excessive deflection. The floor was opened up and the joists are 5x2 inch at 400 centres, calculations show these to be over-spanned hence causing the deflection.

If the joists are sistered with another 125x47 C24 timber then they are able to carry the design load. It is not necessary for the new timbers to be built into the walls.

A likely consequence of the movement in the floor is the loosening of the joists in their wall sockets, when the floor is lifted to install the new timber the sockets should be examined and wedged and packed as necessary to tighten the fixings.

As the building is listed I would recommend numbering the floor boards to re-fit them as they lay now in order to preserve the historic fabric.

If you have any questions please do not hesitate to contact me.

Yours sincerely

Peter Shaw.