

Email correspondence with Structural Solutions 9 Dec 2025

See also revised drawings enclosed

On 9 Dec 2025, at 12:42, Mark Mitchell <mark@structuralsolutions.co.uk> wrote:

Adrienne,

With regard to the unanswered questions, please see my responses as follows:

1. I have been up into the tower and looked into the roof space but I have not inspected the full length of the roof as access is very limited. The details that we have proposed have indeed been designed with a factor of safety of four times the self weight of the Herschel Halo chandelier.
2. The twist in the binder beam is not significant in terms of the details we have produced. There is sufficient adjustability in the detail to account for any level differences.

I hope that this answers your questions.

Regards

From: Adrienne Hughes <adrienne_hughes@btinternet.com>

Sent: 09 December 2025 12:20

To: Mark Mitchell <mark@structuralsolutions.co.uk>

Cc: George Chedburn <georgec@chedburn.com>

Subject: Flax Halo heater project

Hi Mark

Thank you for sending through the drawings which I have forwarded to our installer for comment. There are still some unanswered questions from my email of 17th November please see below. A swift response would be most appreciated to get this to the DAC tomorrow.

1. Our church architect has asked us to clarify whether you have inspected the Timber 'binder' that the Halo will be hung from to ensure it is sound and capable of bearing the weight of the Halo (27kg). Herschel state that the fixings need to be strong enough to hold four times the weight of the Halo ie; 108kg. **Please could you give us an assurance this has been tested satisfactory or provide details of how it will be.**
2. I should point out that Mike has noticed that the binder beam is somewhat twisted so that the top face isn't horizontal and it is likely that the amount of twist is different at the two suspension sites (perhaps you spotted this in your site visit?) **-is this of significance?**

Best Wishes

Adrienne

From: Mark Mitchell <mark@structuralsolutions.co.uk>

Date: 9 December 2025 at 11:16:39 GMT

To: Adrienne Hughes <adrienne_hughes@btinternet.com>

Cc: George Chedburn <georgec@chedburn.com>

Subject: RE: Heating Installation Flax Bourton Church

Adrienne,

I have relooked at the proposals for hanging both the Halo and Horizon heaters in the Church and attach revised proposals following your earlier emails and discussions with George Chedburn. I have also attached

an alternative option for the Halo which will require a 'long' drill to install a threaded rod through the binder in the roof space above the arched ceiling.

If you have any further queries or feedback from your Electrician, please let me know.

Regards

Mark Mitchell BSc CEng MICE

Director

Structural Solutions

Dairy Studios | 102 Lincoln Street | Bristol | BS5 0BJ

T. 0117 924 5014 (Ext. 212)