

JOHN TAYLOR & CO.,



BELFOUNDERS, BELLHANGERS AND CARILLON BUILDERS

Our Ref: CB/cb/488/11

25th April 2024

Mr. Martin Brown
School House
Llandygai Village
Llandygai
Bangor
LL57 4HU

Dear Martin,

CHURCH OF ST TEGAI, LLANDEGAI **SUPPLEMENTARY REPORT AND QUOTATION**

You have recently contacted me asking for a revised quotation for a reduced level of protection to the louvred openings in the bell chamber. You are unable to afford the cost of full sound control measures at this time and are considering reducing the specification to provide protection from weather and bird entry only.

You have asked for additional information about this option, along with revised costs and examples of where we have carried out similar work elsewhere. We are happy to provide this information below.

This document supplements my original report and quotations dated 23rd September 2022. The full information contained in that previous report is not repeated here, and the other quotations previously given have not been updated. These other quotations can also be updated of course, should you require that information in the future.

WEATHER PROTECTION AND SOUND INSULATION

As previously described, each face of the bell chamber has a large louvred opening fitted with steeply sloping slate louvre blades, these openings being approximately 3.3m high by 1.6m wide. The detailing is somewhat unusual in that, although the opening is a double lancet divided by a central mullion externally, this tracery stands in front of the louvre blades, which span the full width of the entire opening.

The louvre blades extend almost to the inner face of the wall, and probably leave insufficient room to install protection (either weather/bird protection only, or full sound control) within the rebate of the opening. It is therefore likely that any provision will need to be fixed to the inside face of the wall and extend beyond the margins of the opening.

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JOHN TAYLOR & CO.**

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Our original specification for providing sound control using a double layer of 25mm thick marine ply boarding, included a layer of "Galebreaker" weather mesh on the outside of this boarding. This will conduct most of the rain reaching the face of the boarding down to the sloping external masonry cill of the opening, where it can run to the outside face of the wall. Additional protection is provided to the boarding, while reducing the possibility of rain seeping between boarding and cill into the bell chamber. It also has a dark surface reducing the visibility of the boarding from outside the tower.

Fitting the weather mesh without the boarding internally will still provide most of the weather protection, but without the sound control element. The weather mesh will need to be fixed to a supporting timber framework, which could be of sufficient strength and rigidity to also support the sound control boarding, were this to be added later.

The weather mesh is flexible and can be distorted and eventually damaged if birds roost on the louvres and push twigs and nesting material between the rear of the louvres and the mesh. We would recommend that, if the weather mesh is not to be backed internally by sound control boarding, rigid wire mesh sheets are fitted inside the weather mesh to provide support. It must be stressed that the wire mesh alone would provide little weather protection. The fitting of sound control later would render the rigid mesh obsolete, and it could be removed if wished.

We give below a revision to our original Specification and Quotation 6.0 for the provision of weather protection without the sound control element, along with the cost reducing options as before, with necessary revision.

SPECIFICATION AND QUOTATION No. 6.0 (Revision A)

TO PROVIDE AND FIT WEATHER PROTECTION TO THE BELL CHAMBER LOUVRED OPENINGS

Bellhangers to travel to the Church with tools and materials.

Construct around the inside of each louvred opening a framework of treated softwood, complete with cross framing as necessary to provide sufficient rigidity. (The framework to be of sufficient strength to support the addition of two layers of 25mm marine ply sound proofing at a later date, if required.) Any gaps between the framework and stonework to be filled with a suitable frame fixing sealant.

Fix across the framework of each opening a layer of 6% permeable Black Galebreaker weather proofing mesh. The mesh to be secured into position with the lower edge run onto the leading edge of the lowest louvre blade to allow water to run off outside. Fix across the inside of the Galebreaker welded stainless steel 12x12mm rigid mesh.

All fixings to be of stainless steel or non-ferrous metal. All timber to be treated with a suitable preservative.

The present-day cost of undertaking this work will be **£9,851 plus VAT**.

COST REDUCING ITEMS

Appended item No. 6.1. – Local labour helpers

If local labour in the form of two able bodied assistants can be provided free of charge to us, to work under the direction of one bellhanger for the full time that he is on site, we can allow a reduction of **£1,306** from our main quotation 6.0A.

The work could be dirty and strenuous. We require local labour to be able to undertake such work, and to be present on site at all times with our bellhanger to meet health and safety requirements. We may reduce or withdraw the reduction if these conditions are not met. Any local labour working with our bellhanger is covered by our public and employer liability insurance, free of charge to the restoration project.

Appended item No. 6.2 – Locally provided accommodation

If suitable accommodation in the form of a commercial B&B, pub, hotel, or self-catering accommodation can be provided for our bellhangers, free of charge to us, while they are working at the Church, we can allow a reduction of **£486** for two bellhangers or **£243** for one bellhanger from our main quotation 6.0A.

If you wish to take advantage of this reduction, please contact us to check the suitability of the accommodation on offer.

TERMS

Our revised quoted prices above can be held until **the end of October 2024**.

EXAMPLE OF SIMILAR WORK ELSEWHERE

We have recently carried out similar work at St Martin's Church, Bole, Notts, in the Diocese of Southwell and Nottingham. As part of a major renovation of the ring of three bells, we also manufactured and installed new louvres for the bell chamber openings and fitted weather mesh and stainless-steel rigid mesh internally, shown in the photographs below.

The bell chamber openings at Bole are of a completely different design, however I hope these photographs will give some idea of the internal appearance of the weather protection. There are possibly other examples that might more closely match the situation at Llandegai, however I have used this example that was known to me, to get something to you as soon as possible.





I hope that this additional information is useful to you in pursuing your potential project. If you need any more information or examples, please get back to me and I can make further enquiries with our office.

We look forward to hearing from you further in due course.

Yours sincerely,

A handwritten signature in black ink, appearing to read "Chris Bennett".

Chris Bennett
JOHN TAYLOR & Co.,
Encl. Terms