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F A O Tom Walker

12th February 2021

SJA/21/42658/HM

Dear Tom,

RE: KILBY ST MARY'S C OF E PRIMARY SCHOOL

Thank you for your request for us to carry out a Visual Structural Inspection of the chimney on the north elevation of the original Victorian School House. We can confirm visiting site on Tuesday, 9th February 2021.

The weather conditions during our visit were very cold, with a light falling of snow.

In principle, this is a large Circa 450 x 525mm chimney stack which extends from eaves level to above the ridge line of the main hall. (Please refer to Photograph 1 in Appendix A).

VAT Registration No.: 670 8636 12

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A horizontal crack has appeared approximately 5No. courses above the gutter line, which has created a theoretical hinge within the chimney stack. The hinge is a weak point whereby the stack of the chimney could potentially hinge about this position and collapse onto the roof structure of the School House. (Please refer to Photograph 2 in Appendix A).

Therefore, we recommend that the chimney is carefully demolished down to this position. The bricks should be cleaned and stored on site for re-use. The chimney should then be rebuilt using a sympathetic lime putty mortar mix to match existing with the previously stored original bricks. Please note some reclaimed bricks maybe required due to breakages.

We trust the above is satisfactory for your immediate requirements. However, should you require any further information, please do not hesitate to contact the above office.

Yours sincerely



STEVE AINGE

David Smith Associates

APPENDIX A

Typical Photographs



Photograph 1



Photograph 2