

MOLIOR CONSULTANCY LTD
Structural and Architectural Engineering Solutions

Structural Integrity Report

**Ferry Butts
Garstang Road
Chipping
PR3 2GQ
Existing House**

01.10.2024

Photo 1



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Photo 2



Photo 3



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Photo 4



Photo 5



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Photo 6



Photo 7



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Photo 8



Photo 9



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Company I

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Photo 10



Photo 11



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Photo 12



Photo 13



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Structural Appraisal

The existing building to be converted is a 2-storey building with a duo pitched roof and a gable end. The other side elevation abuts 1 Ferry Butts.

The external walls comprise of solid masonry walls which are in the main finished with a sand cement render and are in good condition. There is no evidence of hairline fractures caused by movement. On the inside of the external walls there are buttressed locations to provide structural support. On the outside the wall widens at the bottom section, as was traditional, which is assumed to go down to create a footing below ground level.

The existing structural openings appear to be in good condition and there is no evidence of localised sagging above the apertures due to structural failure because of defective lintels.

The first-floor structure comprises of RSJ floor beams which support the existing floor joists. Some of the existing floor joists may require some reinforcement or replacement to suit the proposed loading requirements which will be covered in a separate set of calculations to cover alterations; however, the floor remains in good condition.

The roof structure comprises of steel trussed members which break the spans of assumed purlins which support the metal roof sheet finish. The roof structure appears to be in good condition and there is no evidence of inconsistency along the pitched roofs or at the ridge, as this shows no sign of fatigue or deflection, we are satisfied that it will be suitable for future use.

We would consider this building is acceptable for future development with minimal alterations and is considered structurally suitable in its present condition.

These are notes to the photograph montage that is shown as evidence above.

C.C.Robinson
I.Eng I.M.I.Struct.E

Managing Director

Molior Consultancy Ltd