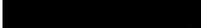


# **ANTHONY RUDGE AND ASSOCIATES**

**Consulting Structural Engineers.**

23 Long West Croft, Calverton, Nottingham. NG14 6PY.

Telephone 0115 9654028 

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Your Ref. Tim Fletcher.

Our ref. AR/1314 A/jap

19 December 2023

**OLD MANOR FARM, FARNSFIELD.**

**MAIN BARN.**

**STRUCTURAL ELEMENTS.**

**INTERIM REPORT.**

**To be read in conjunction with our previous reports dated 6 April 2017 and June 2023**

## **EXISTING BARN. CONSTRUCTIONS**

The original constructions are as described in our previous reports.

### **MAIN BARN**

This barn is still in a reasonable state and we cannot see any increased displacements or deflections.

The central timber ridge beam is distorted to a point where the roof ridge is noticeably sagging whereas the other outer two ridge beams are in good alignment.

We are of the view that this sagging is not brought about by overload but by either the timber itself being irregular when erected or perhaps some spreading at the eaves support.

A more closer look at the eaves support will be needed.

If a new timber ridge beam were to be introduced from an aesthetic point of view then new rafters would probably be required at this middle location.

Some of the existing roof members appear to show a woodworm attack and a specialist report is needed to confirm the extent and severity of any deterioration.

### **WALLS**

The existing walls are still in good order and plumb but these would not satisfy today's requirement for general lateral stability and steel straps are to be installed and hidden behind dry linings.

### **LINTELS**

These are of timber and concrete constructions.

New constructions will probably be required by the Architect.

Replacement timber lintels can be used but probably not recommended.

## **SITE CONSTRUCTIONS**

Ground floor concrete floors are being presently constructed and these are to our satisfaction.

Internal block walls are now in place,

First floor constructions are likely to be carried out shortly and these should be as shown on our drawings.

The contractor has so far carried out the work to our satisfaction.

Yours sincerely, 

Tim Fletcher  
TF ARCHITECTURAL SERVICES  
CAYTHORPE.  
NOTTINGHAM.

Anthony Rudge C Eng., M.I.C.E., M.I.Struct E, M.I.H.E.