Deign Note;

The old House Cowfold – Internal Wall buildup within the Stable out building

<u>Original condition</u>

The original stable building has been subject to a number of recent modifications which hindered its performance and its ability to breathe.

Vast amounts of spray foam, OSB board newspaper and cardboard had been installed within the internal walls. This was carefully removed.

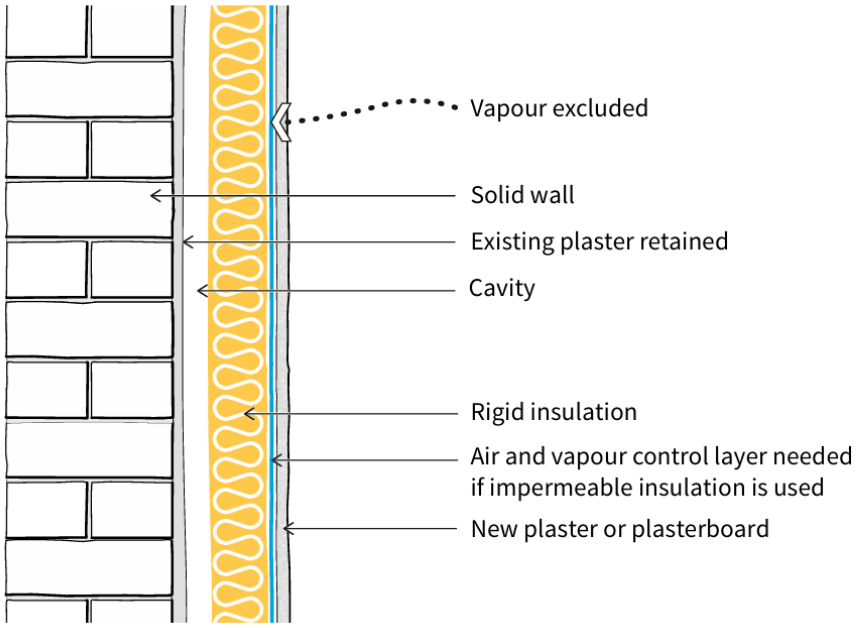
Having consulted both Building control and the Heritage England guidance documentation the internal wall build up was designed to provide a level of thermal performance whilst maintaining the ability for breathability.

The preferred solution being Heritage England Document “Insulating Solid Walls” Figure 8.0

This identifies breathable membranes and a cavity between wall and internal lining.

The Wall build up will achieve a U Value of .33 when considered with the existing solid wall construction. With regards to the requirement for fire integrity the wall linings are to the perimeter, Building control have approve the use as they are aligned with heritage England guidance.

Heritage England Guidance Figure 8.0 Insulating Solid Walls



Fire Integrity

The New Kitchen space benefits from 3 No means of escape;

As we are not installing any new walls or compartments there is a limited requirement for fire compartments however the door between the pantry and the main house will be an FD30 as required by the Building Control officer. A comprehensive fire detection and heat detection system is installed.

Additionally mechanical ventilation has been required in the following areas;

New Kitchen 100l /ph

Pantry 30l /ph

New WC 15l/ph

Please see the below plan mark up which identifies the following;

- Smoke/heat detector location – Location A
- New Fd30 – Locations B
- Fan locations Locations C

Finally I would point out that all works within the stable have minimized the impact on the existing structure and fabric. No historic fabric was removed during the works.