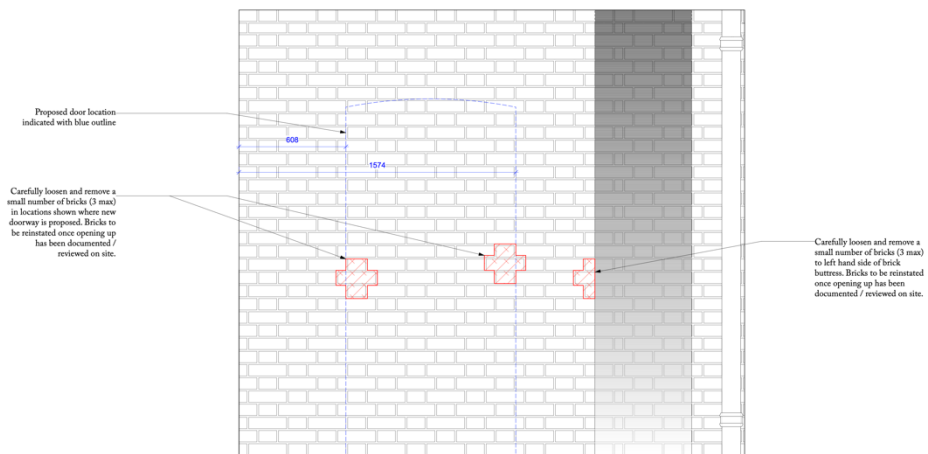


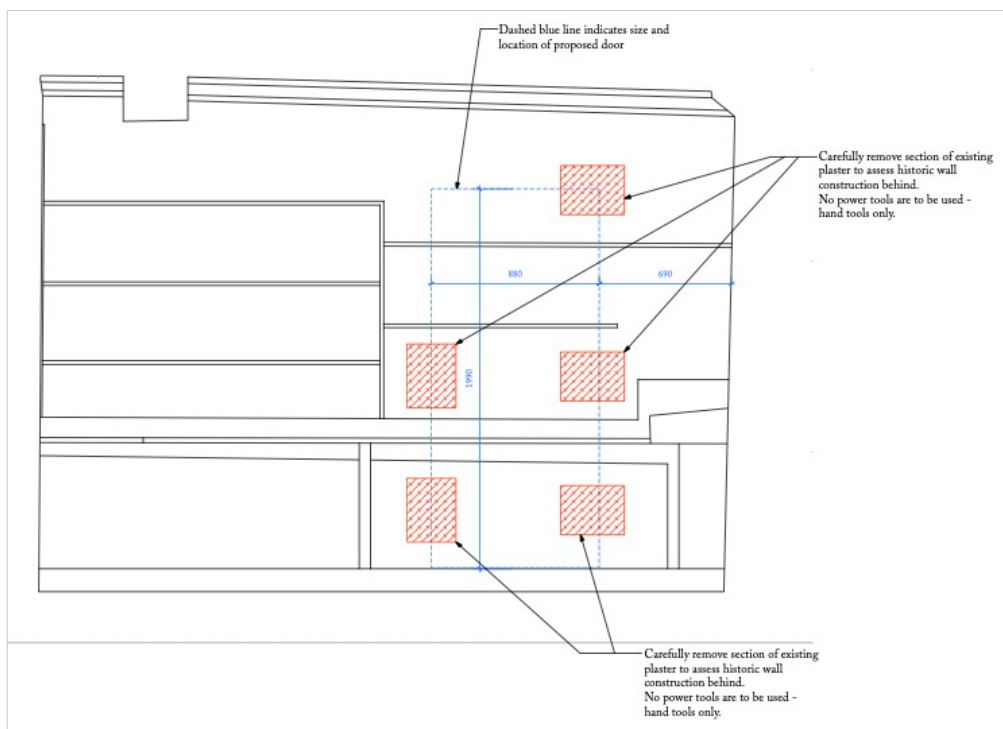
## Details of investigation into proposed new door between the larder / glasshouse

This information has been supplied to discharge condition 12 of listed building consent DC/22/05516.

Elevation excerpt (S-107.3) highlighting areas of investigation externally to determine the historic fabric.



Elevation excerpt (S-102.3) highlighting areas of investigation to determine the existing historic fabric.



# Ben Pentreath

## Investigation methodology:

The investigation to determine the presence, location, and size of the existing historic fabric was undertaken with care and caution. No power tools were to be used during these investigative works, with the lime plaster and external brickwork being carefully removed with the assistance of hand tools only.

Removal of the existing fabric was contained to small areas both externally and internally to ensure that the disturbance to the historic fabric was as minimal as possible.

## Investigation findings:

The investigation confirmed that the existing brickwork externally was of a double skin construction.

Internally the wall was found to be of a differing construction, with lime plaster on lathes fixed upon timber studs. Additionally, a clear void was found to be present between the external face of the timber stud and internal face of the brickwork found externally.

The below images showing our findings:



Image 1: Showing findings of investigation following removal of brickwork.



Image 2: Showing findings of investigation following removal of lime plaster and associated build-up.

## **Opening methodology:**

The external brickwork is to be carefully removed using hand tools only, in the location of the proposed doorway. Great care is to be taken when removing the brickwork, with support being applied to the historic brickwork over the proposed opening. Once the material has been removed, the revealed historic fabric is to be documented, condition checked, and repaired where required using traditional methods and materials to match. Lime based mortars will be tested for colour and consistency to ensure a close match to the existing, in areas where repointing is required. If any bricks are damaged beyond repair, a suitable reclaimed brick shall be sourced to match as closely as possible to the existing. Brick replacements will be kept to an absolute minimum and where possible, existing bricks will be reused.

Internally, the existing lime plaster and associated build-up will only be removed to the minimum extent required to form the new opening. Once the material has been carefully removed, the revealed historic fabric is to be documented, checked for damages, and repaired where required using traditional materials to match in materiality and thickness.