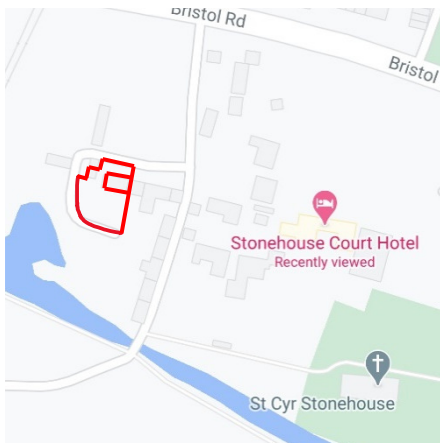


# **PLANNING APPLICATION – REPLACEMENT OF DOUBLE GLAZED WINDOWS AT 11 COURT FARM MEWS, STONEHOUSE. GL10 3RA**

## **LOCATION**



*Figure 1 Boundary of 11 CFM, within CFM plot*



*Figure 2 Location of 11 CFM*



*Figure 3 11 CFM, viewed from Stroud Canalway path*

Court Farm Mews is a community of houses on the outskirts of Stonehouse, which can be found between Bristol Road (A419) and the Stroud Canalway. The Court Farm Mews community consists of 11 domestic dwellings, and communal spaces. The community backs onto the Stroud Canalway, beside a section of the canal, known as ‘the Ocean’.

No.11 Court Farm Mews, Stonehouse (GL10 3RA) is a part of a community of buildings, dating back to c.1840. 11 Court Farm Mews and adjoined 10 Court Farm Mews were historically used as a cart shed and granary, serving the building that is now Stonehouse Court Hotel.

The buildings were converted to domestic dwellings in 1985, and at this time, 10 and 11 Court Farm Mews were listed as Grade II buildings. The surrounding buildings in the Court Farm Mews community are not listed, and modifications have been made to the aesthetic of these houses since developed as domestic dwellings.

## **PROPOSED PHYSICAL WORK**

The original conversion to domestic dwellings, in the 1980s, including the installation of timber framed double glazed windows and doors. These are now showing signs of degradation, and in some cases, are no longer water tight.

It is proposed to replace a number of the existing timber double glazed windows with modern double glazed windows. There are no plans to replace the north facing arched/shaped windows or velux windows in the roof.

The proposed windows have a glazing thickness of 24mm, which is thicker than the existing windows. However, these will provide a significantly higher level of insulation, to a modern standard fitting a family home, without changing the visual impact of the windows.

The window fittings will be black monkey tail fittings, with equivalent black cottage fittings for the doors, both in keeping with the style of the property.

The windows will be installed by local Stonehouse windows company, Truhouse.

In total, windows and doors being replaced are:

- South: 1 x French doors and window
- 4 x Windows (3 pane; 3 on first floor, 1 on ground floor)
- 1 x Arched window and door
- West: 5 x Stone mullion Window (pairs)
- North: 2 x Stone mullion Window (pairs)



Figure 4, 5 & 6 South, West & North aspect, showing windows planned for replacement

The South aspect windows will be replaced with hardwood timber frames, externally painted to match the existing colour, mahogany brown. The frames will be Traditional Flush Casement windows, produced by Bereco. Dimensions of the frames are the closest available match to the existing frames (diff <15mm, smallest available), allowing minimal change to the aesthetic of the building, and allowing similar light levels into the home. The arched window and french door will also be replaced, and match the new windows, with similar small changes in dimensions.

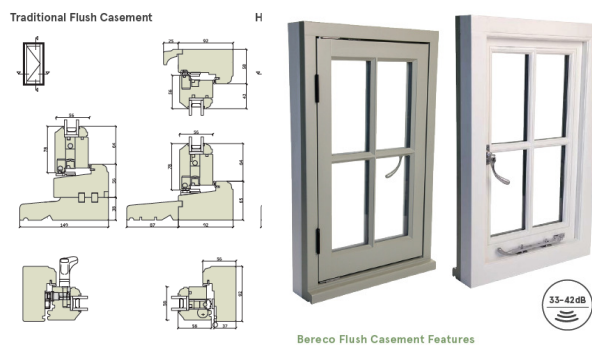



Figure 6 & 7 Traditional flush casement, from Bereco

The West aspect windows are all stone mullion and will be replaced with aluminium frames, externally painted to match the existing colour, mahogany brown. Due to the construction of the timber frames, modern timber windows are no longer produced in these slim dimensions. Current methodologies would result in frames of significantly thicker timber sections, thus altering the aesthetic of the window (smaller window pane). By using aluminium, the existing dimensions can be closely matched and painting would result in minimal difference to the current aesthetic.

The North aspect stone mullion windows will be replaced in the same manner as the West aspect windows. The large arched windows on the ground floor and the smaller arched window on the first floor are not being replaced.



### Alitherm 300

**Application**  
All general light use applications.

**Features**

- The system features an extended polycarbonate thermal break which improves the overall U Value of the profile, allowing Alitherm 300 to achieve a Window Energy A Rating when used in conjunction with the correct double or triple glazed unit.
- The system is suitable for both internally or externally-headed, side or top hung open out windows.
- Profiles have the option of either oval, chamfered or square edges.
- Frame options for both standard and slim-line steps.
- Option of either multi-point or cockspur locking handles.

**Technical Performance**

**Finish** Single or dual colour, marine quality polyester powder coat as standard

<b>U Value</b>	U Value 1.56W/m <sup>2</sup> K using 1.0 centre pane U Value 1.26W/m <sup>2</sup> K using 0.7 centre pane
<b>WER</b>	A
<b>Air</b>	Class 4, 400Pa
<b>Water</b>	Class E, 1200Pa
<b>Wind</b>	Class AE, 2400Pa

**Document L Compliant**

**Dimensions**

**Frame Depth** 53mm & 76mm

**Glass** 24mm, 28mm, 32mm & 34mm double or triple glazed units

**SH Max of a Width** 700mm

**SH Max of a Height** 1420mm

**TH Max of a Width** 1420mm

**TH Max of a Height** 1300mm  
(For sizes outside of these parameters, contact technical)




Figure 8 & 9 Alitherm 300 casement