RE: 126 St Pancras Way - Internal Insulation
1 message

Pablo Jimenez-Moreno <PJimenez-Moreno@mesh-energy.com>   23 November 2023 at 09:31
To: Luca Dalmasso <luca@scenarioarchitecture.com>
Cc: 176_126 St Pancras Way <176_126-st-pancras-way@scenarioarchitecture.com>

Hi Luca,

Find here my comment:

In evaluating the highlighted section on the wall, Mesh provides a nuanced perspective informed by substantial expertise in building thermal dynamics. Although the principle of establishing a thermal envelope is fundamentally sound, it is imperative to recognise the inherent constraints posed by the distinctive features of the building. The absence of the marked detail from the insulation plan is not anticipated to exert a significant impact on airtightness reduction. Importantly, the building contends with multiple thermal bridges due to the interior placement of insulation, a necessary concession to maintain its unique character in accordance with its listed status. Mesh advocates directing efforts towards practical and constructive solutions, optimising the budget to enhance insulation wherever truly feasible. This strategic approach not only aligns with preservation requirements but also effectively addresses draught reduction. Therefore, while the reinstatement of insulation in the specified corner is commendable, Mesh advises that its contribution to overall house performance may be comparatively modest in light of existing thermal bridge considerations.

All the best,

Pablo Jiménez-Moreno

Building Performance Consultant

Head of Residential Projects

PhD Sustainable Architecture; MArch (Merit)

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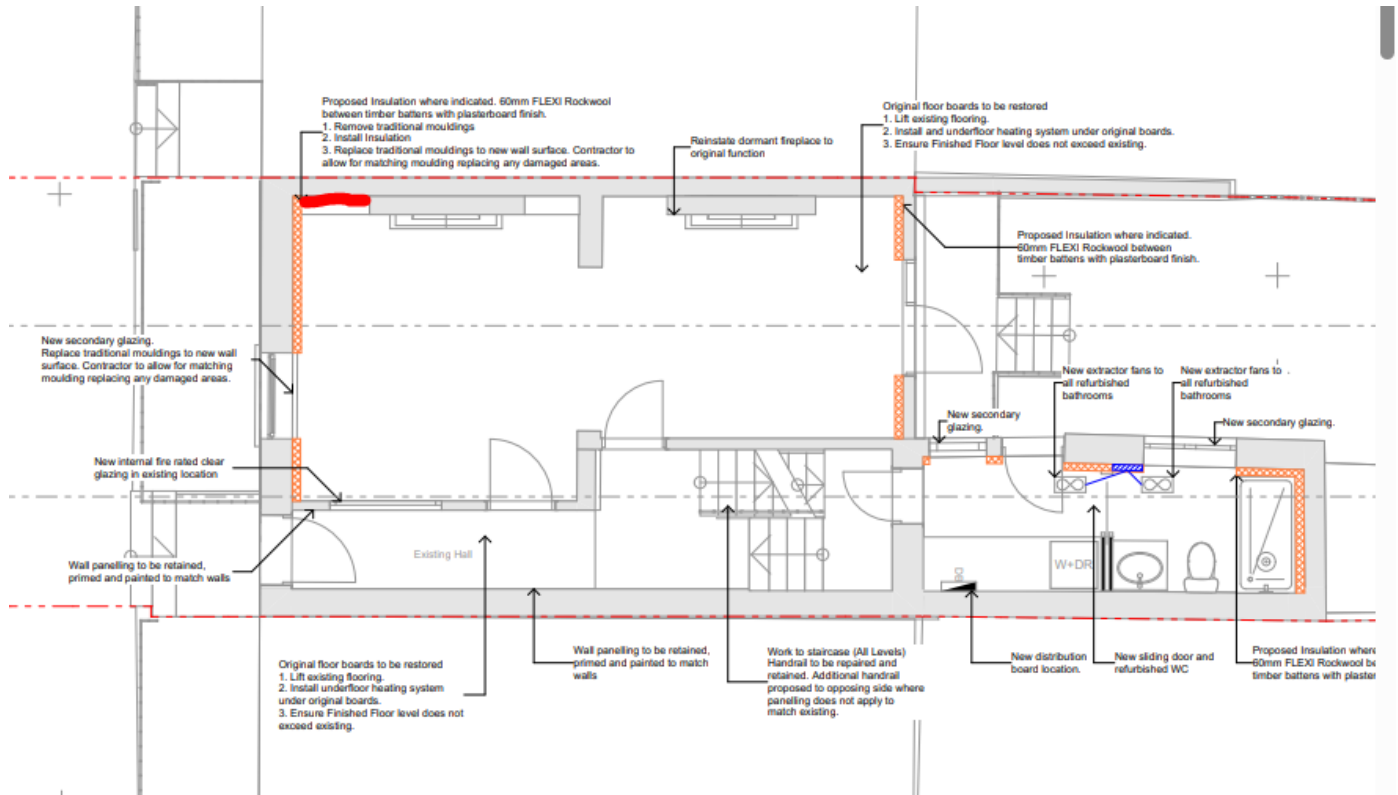
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From: Luca Dalmasso <luca@scenarioarchitecture.com>
Sent: Wednesday, November 22, 2023 6:09 PM
To: Pablo Jimenez-Moreno <PJimenez-Moreno@mesh-energy.com>
Cc: 176_126 St Pancras Way <176_126-st-pancras-way@scenarioarchitecture.com>
Subject: 126 St Pancras Way - Internal Insulation

Hi Pablo,

Following our conversation, could you please give us some feedback on whether you think returning the insulation as shown in red is necessary to avoid cold bridging?

Proposed Insulation where indicated. 60mm FLEXI Rockwool between timber battens with plasterboard finish.
1. Remove traditional mouldings
2. Install Insulation
3. Replace traditional mouldings to new wall surface. Contractor to allow for matching moulding replacing any damaged areas.

Reinstate dormant fireplace to original function

Original floor boards to be restored
1. Lift existing flooring.
2. Install and underfloor heating system under original boards.
3. Ensure Finished Floor level does not exceed existing.

Proposed Insulation where indicated. 60mm FLEXI Rockwool between timber battens with plasterboard finish.

New secondary glazing. Replace traditional mouldings to new wall surface. Contractor to allow for matching moulding replacing any damaged areas.

New internal fire rated clear glazing in existing location

New extractor fans to all refurbished bathrooms

New extractor fans to all refurbished bathrooms

New secondary glazing.

New secondary glazing.

Wall panelling to be retained, primed and painted to match walls

Existing Hall

W+DR

Original floor boards to be restored
1. Lift existing flooring.
2. Install underfloor heating system under original boards.
3. Ensure Finished Floor level does not exceed existing.

Wall panelling to be retained, primed and painted to match walls

Work to staircase (All Levels) Handrail to be repaired and retained. Additional handrail proposed to opposing side where panelling does not apply to match existing.

New distribution board location.

New sliding door and refurbished WC

Proposed Insulation where 60mm FLEXI Rockwool be timber battens with plaster

Thank you,

L

Luca Dalmasso
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Project Director

S / A

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