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53-54 Doughty Street Design & Access Statement

Project Number: 2109

Date: January 2022

Revision: Planning

Introduction

Host Architecture & Design Limited has been appointed by the current leaseholders of;

53-54 Doughty Street
London
WC1N 2PL

to prepare and submit a planning and listed building consent application for the addition of solar panels to the roofscape of the building.

The proposals seek to discreetly and sensitively retrofit these listed offices with photovoltaic (solar) panels with a view to reducing the carbon emissions associated with the day to day running of the buildings.

The client is acutely aware of the wider climate emergency as well as Camden's commitment to becoming a zero carbon borough by 2030. At the same time, respecting the listed status of the properties and mitigating any impact on the wider Conservation Area is critical.

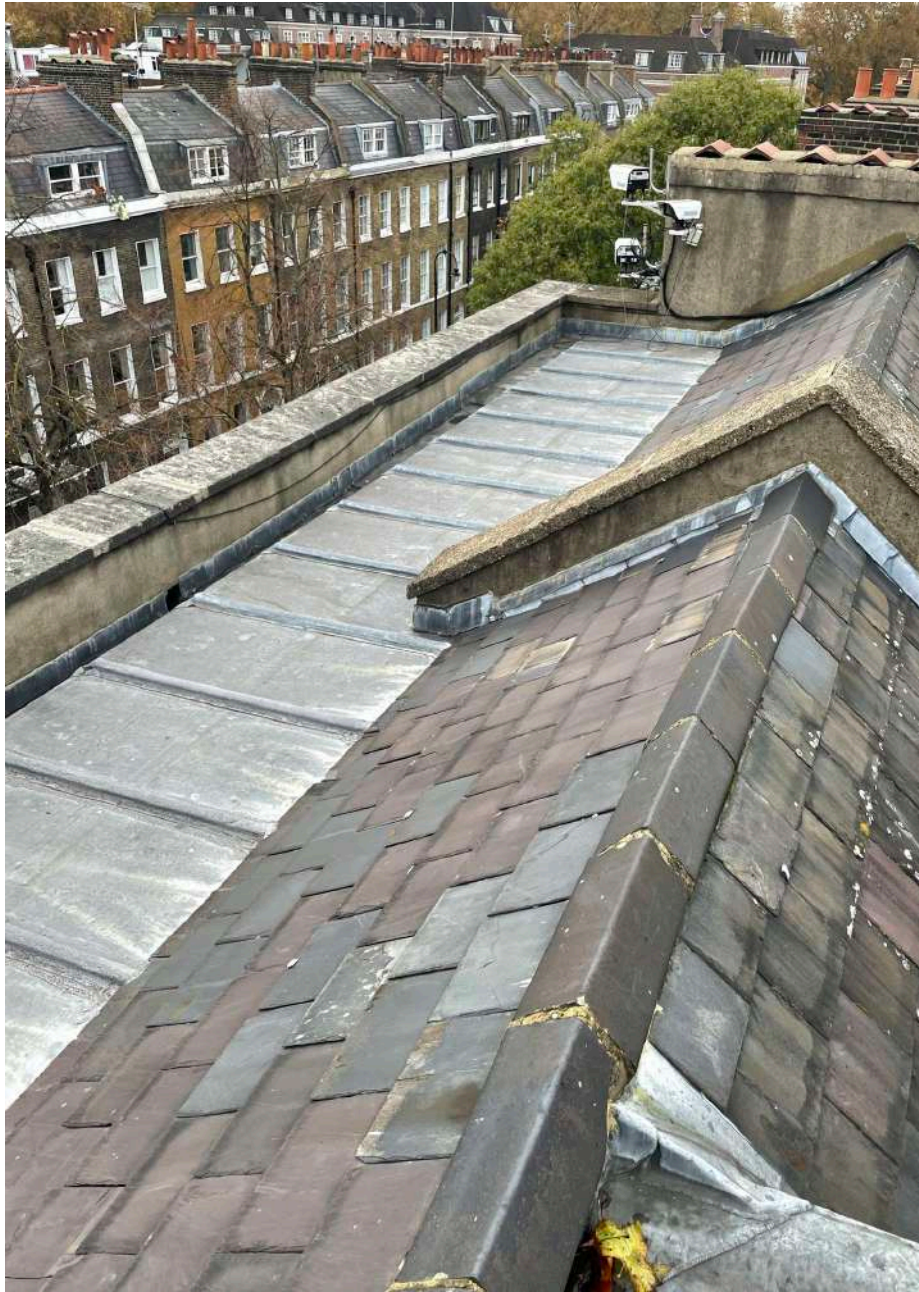
With the above points in mind, photovoltaic panels are proposed in locations where they will not be visible from adjacent public spaces. Where they can be placed out of view or on the secondary rear elevations, the number of panels has been maximised to ensure the optimal output is achieved.

Reversibility has been considered to ensure that all fixing types can be removed or upgraded at a later date with little to no impact on the listed fabric.

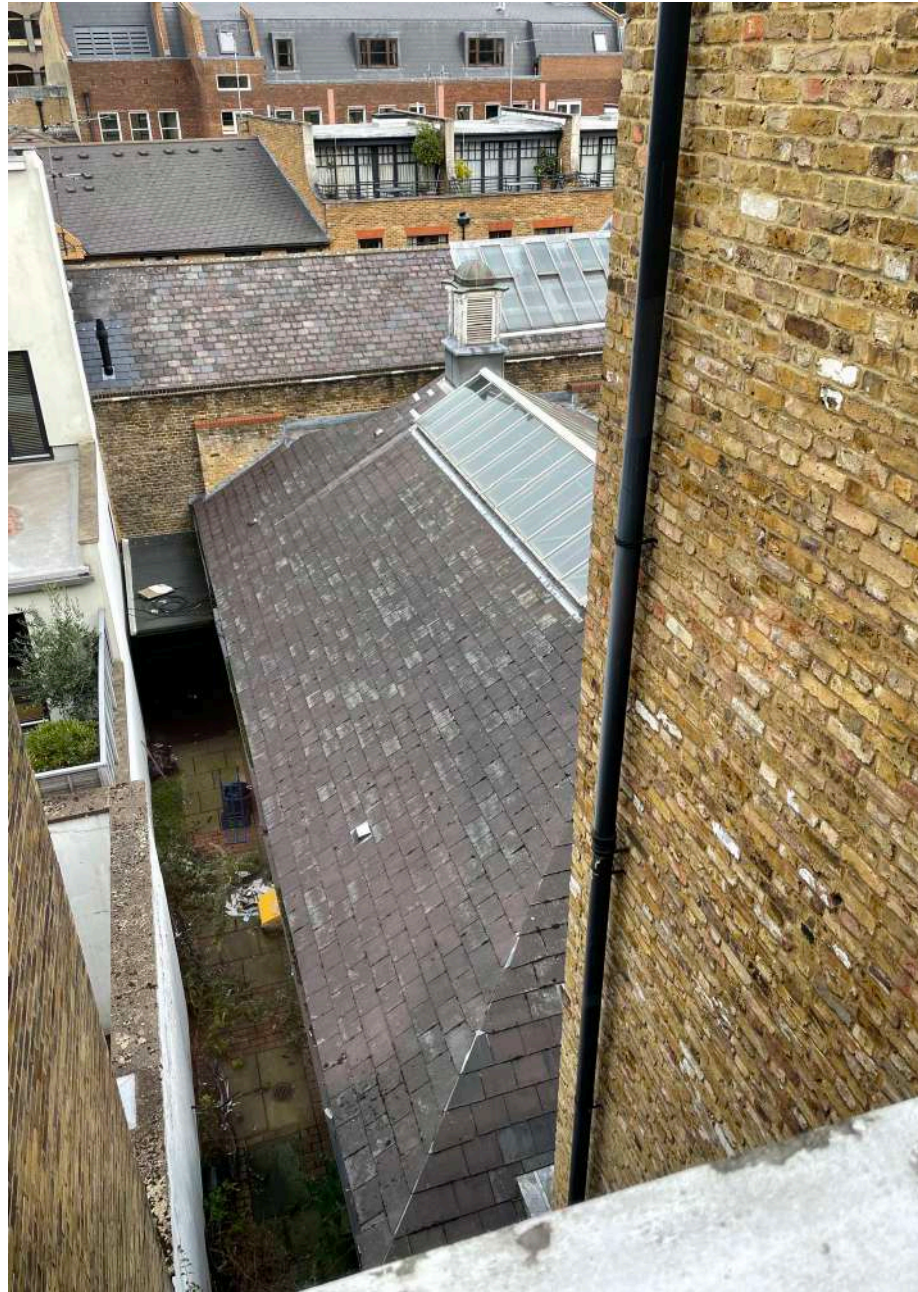
A heritage statement has been prepared to accompany the drawings and this statement on the design of the proposals.



Photographs of Existing Condition



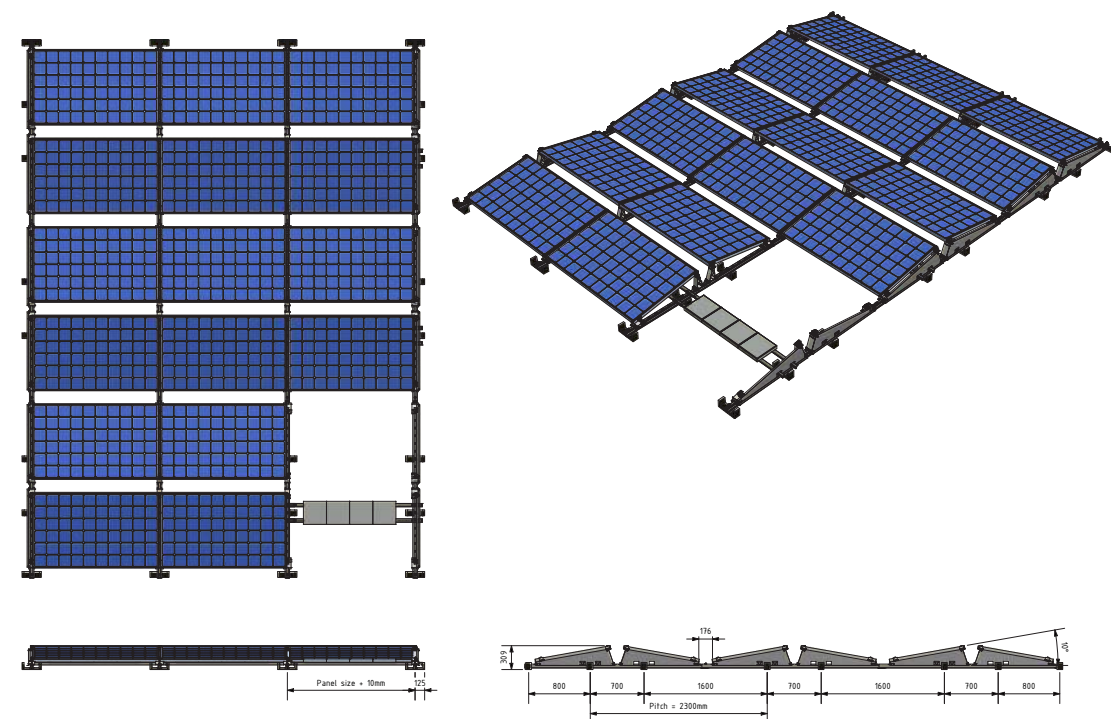
Photographs of Existing Condition



Proposed Systems

East-West Flat Roof System

Ballasted flat roof system to capture optimal energy on a predominantly East West orientation.

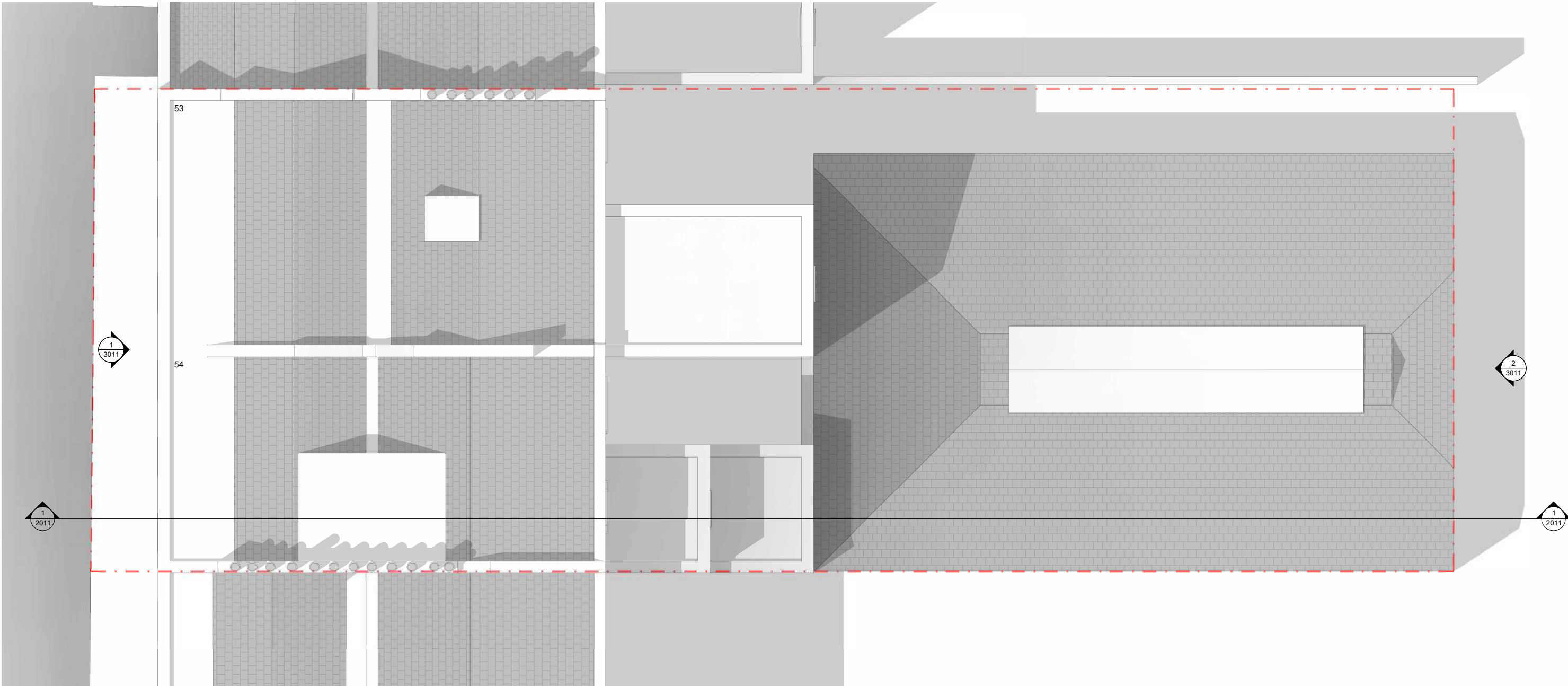


Solar Limpet Pitched Roof System

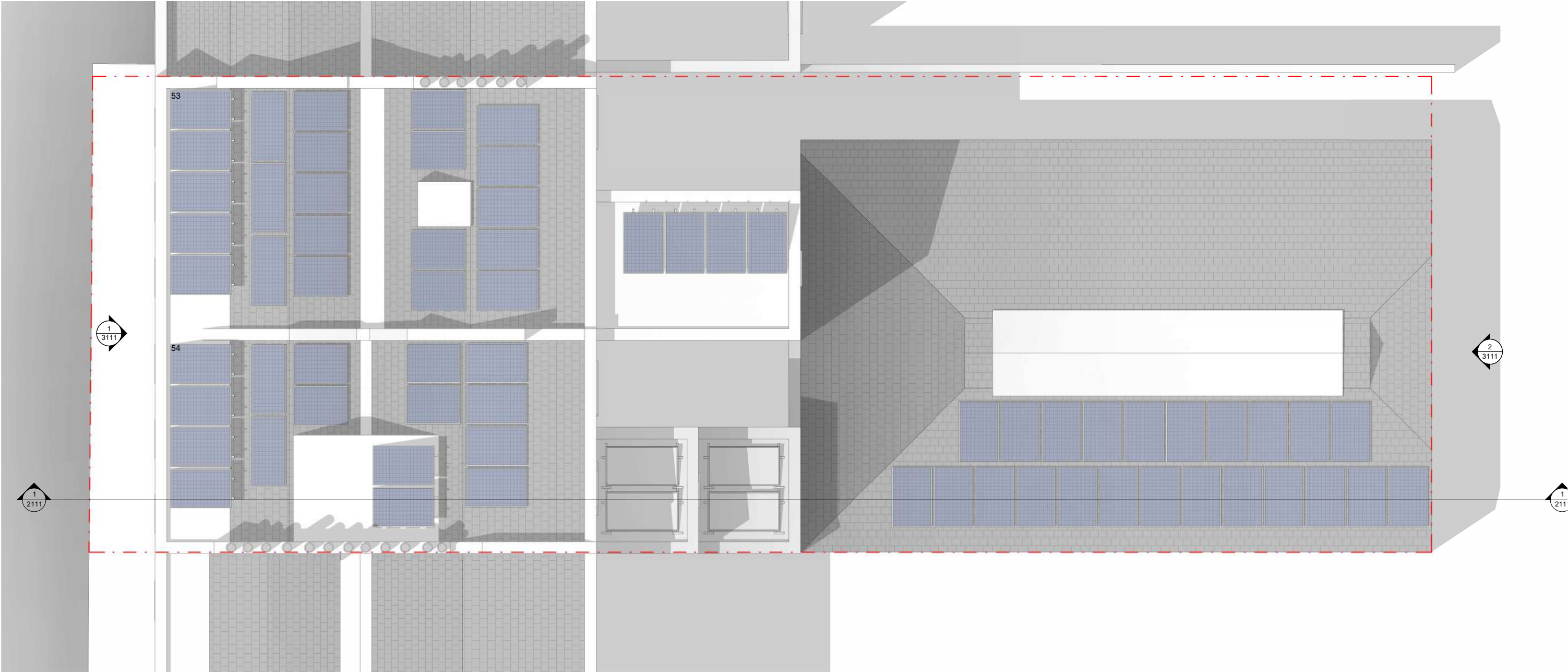
Adjustable fixing system do not cause tiles to kick up, no tile or slate cutting is required, no slate removals are necessary and no flashing work needed.



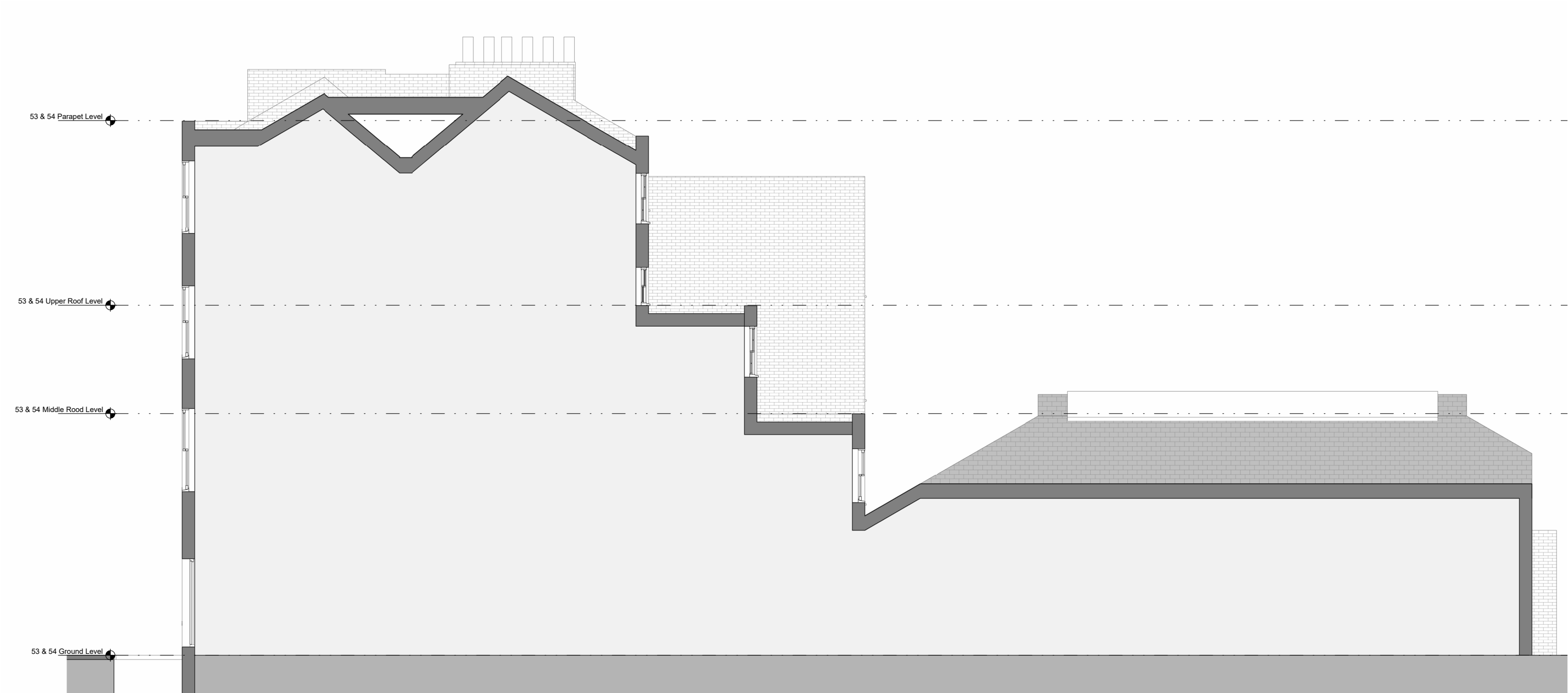
Roof Plan - Existing



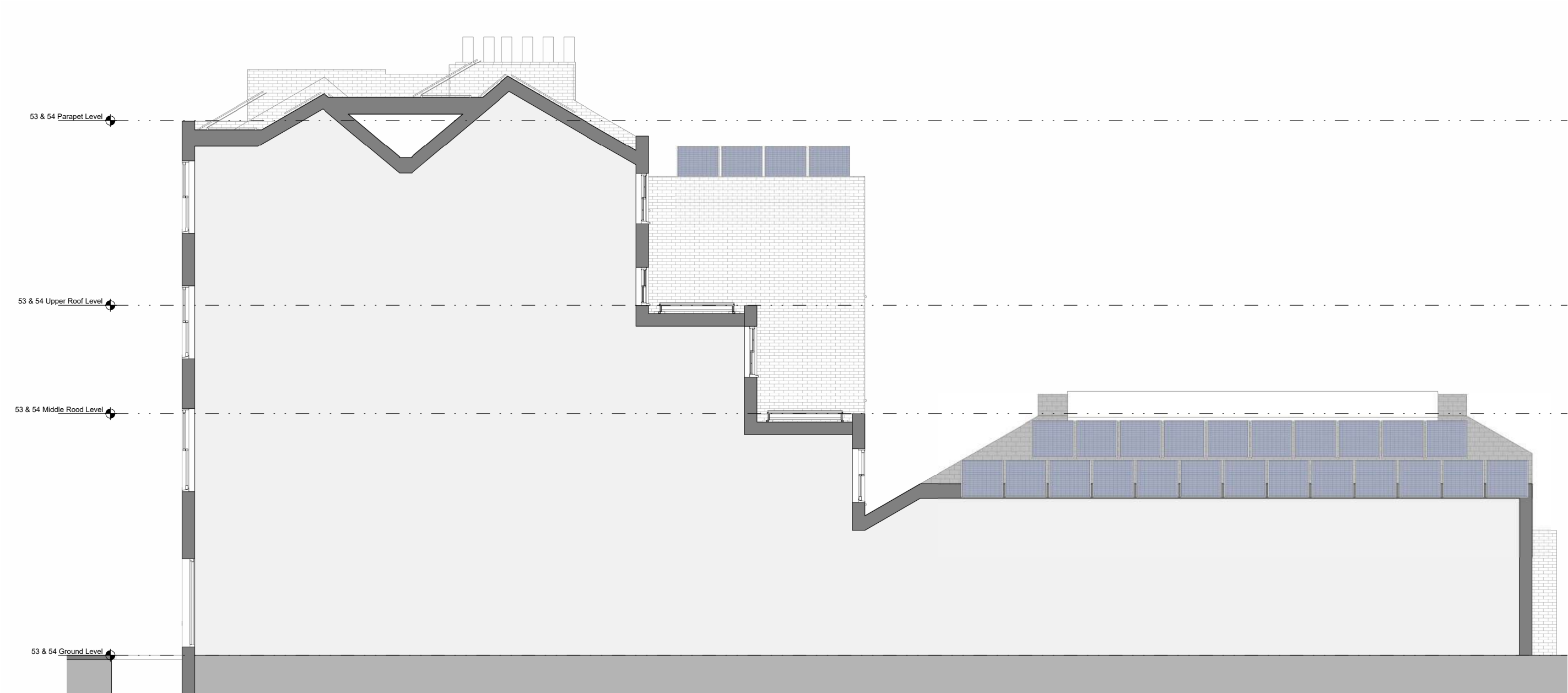
Roof Plan - Proposed



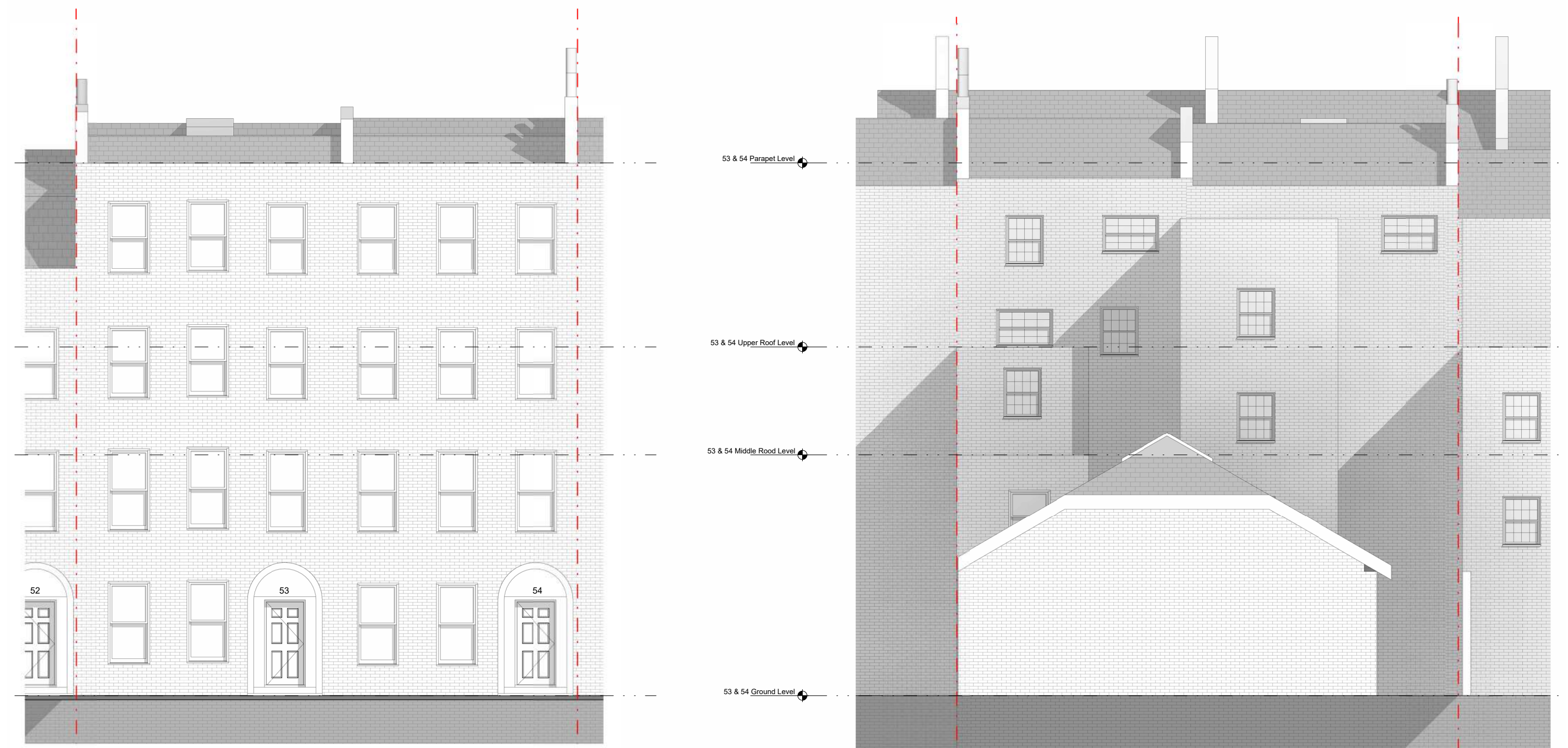
Section - Existing



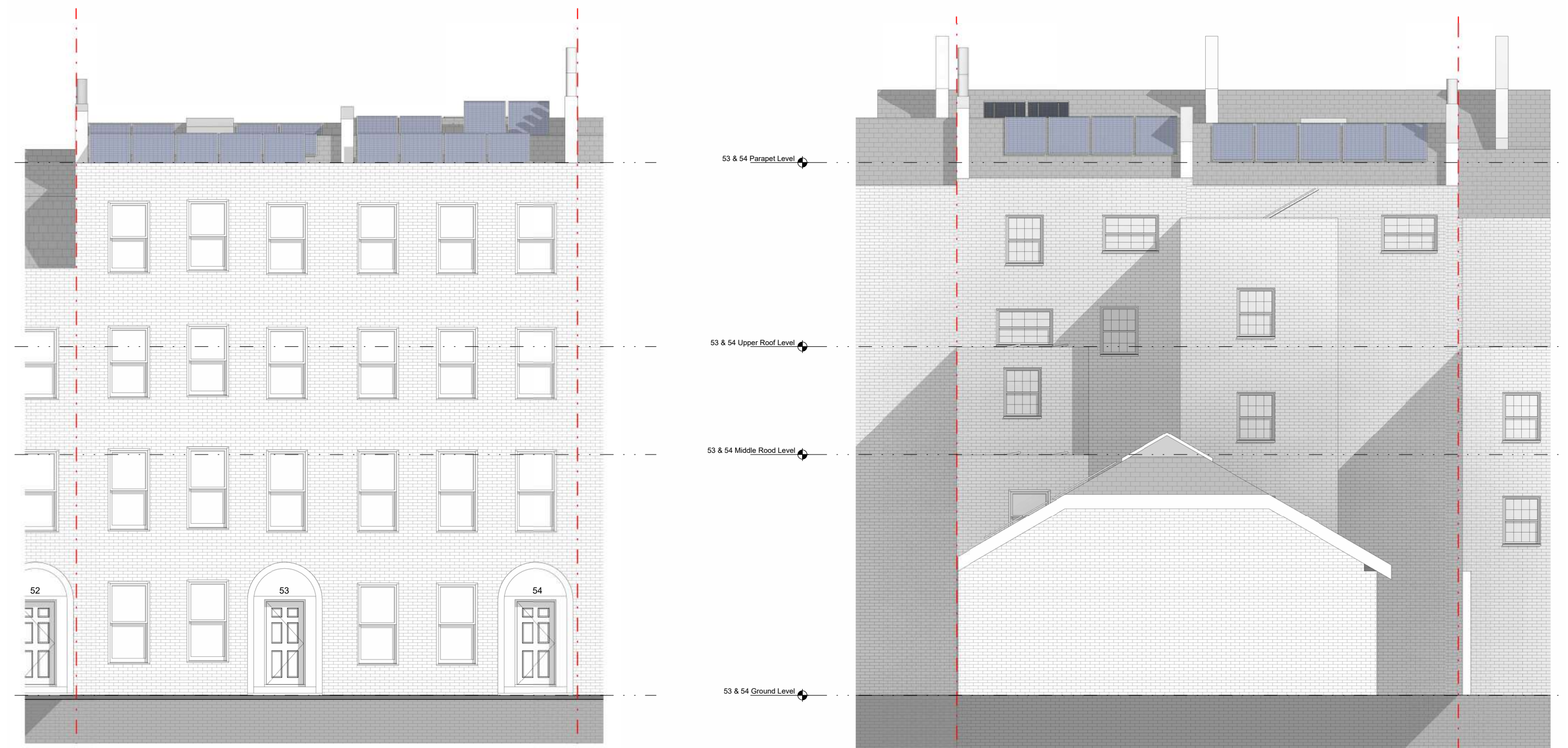
Section - Proposed



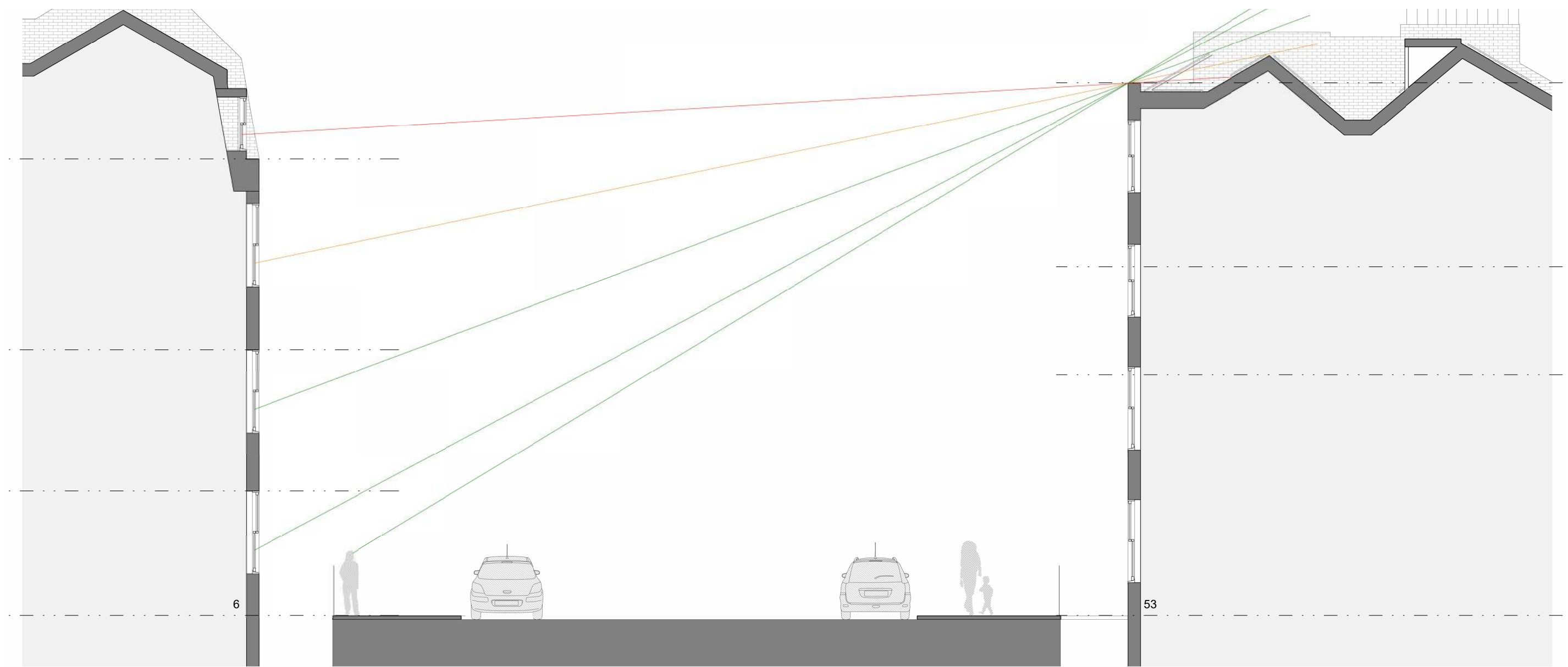
Elevations - Existing



Elevations - Existing



Street Section - Proposed



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