

Roofmaker or similar approved Passivhouse operable rooflight to achieve 0.6w/m<sup>2</sup>k in Anthracite Grey (RAL 7016) to provide passive ventilation and illumination to the central spaces within the house.

Renolt single membrane roofing, Light grey (71004) zinc like finish, forming the parapet coping parapet gutters roof pitches and rooflight upstands proprietary with Standing seam profile at nominally 400mm c/c. Overall roof construction to achieve a U-Value of 0.14 w/m<sup>2</sup>k.

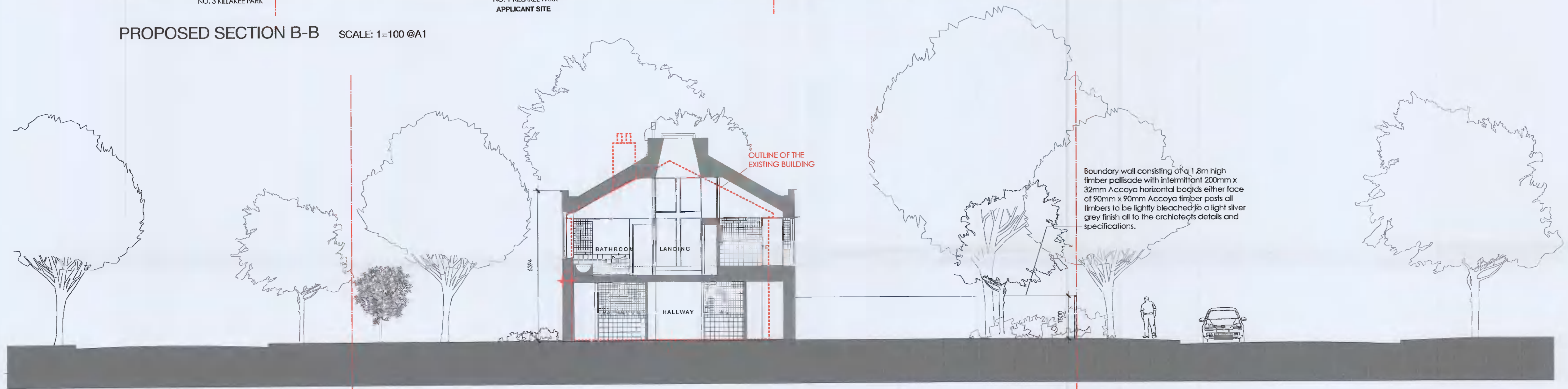
8 1700mm x 1000mm Solar PV modules on the south facing slope of the roof to generate 2.00 KwP of green energy for the building.

Diatonite Thermactive 0.37 insulating lime render finish 'chalk' on extruded clay block external walls with Diaseen internal lime plaster. Overall roof construction to achieve a minimum U-Value of 0.14 w/m<sup>2</sup>k.

Powder coated aluminium windows with projecting drip at the head and sill all to the architects detail. Two types one with full opening casement the other with side vent opening sections. All windows to be treble glazed to passiv house standard.

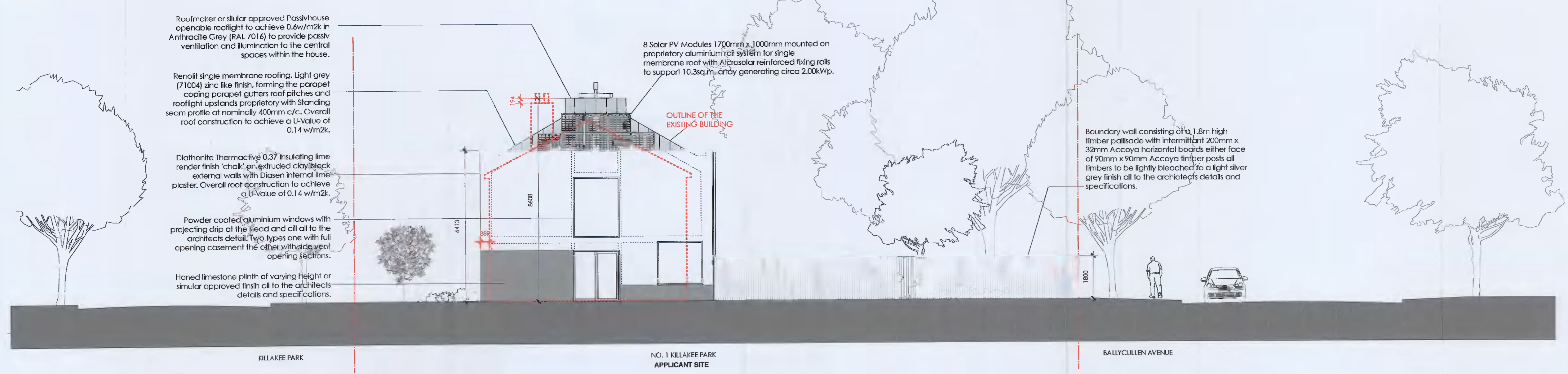
Honed limestone plinth of varying height or similar approved finish all to the architects details and specifications.

PROPOSED SECTION B-B SCALE: 1=100 @A1



Boundary wall consisting of a 1.8m high timber palisade with intermittent 200mm x 32mm Accoya horizontal boogies either face of 90mm x 90mm Accoya timber posts all timbers to be lightly bleached to a light silver grey finish all to the architects details and specifications.

PROPOSED SECTION A-A SCALE: 1=100 @A1



Roofmaker or similar approved Passivhouse operable rooflight to achieve 0.6w/m<sup>2</sup>k in Anthracite Grey (RAL 7016) to provide passive ventilation and illumination to the central spaces within the house.

Renolt single membrane roofing, Light grey (71004) zinc like finish, forming the parapet coping parapet gutters roof pitches and rooflight upstands proprietary with Standing seam profile at nominally 400mm c/c. Overall roof construction to achieve a U-Value of 0.14 w/m<sup>2</sup>k.

Diatonite Thermactive 0.37 insulating lime render finish 'chalk' on extruded clay block external walls with Diaseen internal lime plaster. Overall roof construction to achieve a U-Value of 0.14 w/m<sup>2</sup>k.

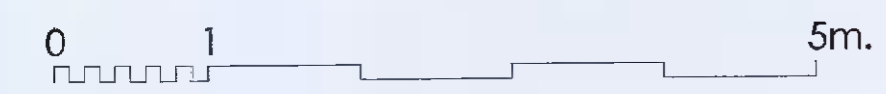
Powder coated aluminium windows with projecting drip at the head and sill all to the architects detail. Two types one with full opening casement the other with side vent opening sections.

Honed limestone plinth of varying height or similar approved finish all to the architects details and specifications.

8 Solar PV Modules 1700mm x 1000mm mounted on proprietary aluminium rail-system for single membrane roof with Alcosolar reinforced fixing rails to support 10.3kw<sub>p</sub> array generating circa 2.00kw<sub>p</sub>.

Boundary wall consisting of a 1.8m high timber palisade with intermittent 200mm x 32mm Accoya horizontal boogies either face of 90mm x 90mm Accoya timber posts all timbers to be lightly bleached to a light silver grey finish all to the architects details and specifications.

PROPOSED SOUTH (ENTRANCE) ELEVATION SCALE: 1=100 @A1



REVISIONS  
 REV: A  
 DATE: 17 AUG 2021  
 AUTHOR: DH  
 DOWNPINS RELOCATED, REVISED ARRANGEMENT OF BATH-ROOMS AT FIRST FLOOR LEVEL  
 REVISIONS TO ELEVATIONS TO INCLUDE WINDOWS TO BOTH FIRST FLOOR BATHROOMS  
 SOLAR PANELS INCREASED FROM 6 TO 8

**DONAL HICKEY ARCHITECTS**  
 1 NUNS LANE, ABBEYFIELD, KILLESTER, DUBLIN 5.  
 T: 00353 1 8328866  
 E: info@donalhickey.ie W: www.donalhickey.ie

**No 1 Killakee Park Firhouse D24.**

ISSUE: PLANNING  
 DRG TITLE: PROPOSED SECTION A-A, B-B & SOUTH ELEVATION  
 DRG NO: PL - 102.  
 SCALE: 1:100 as shown @ A1  
 DATE: 28th April 2021  
 DRAWN: DH.



NOTES  
 1. Copyright reserved.  
 2. Work to fixed dimensions only.  
 3. The contractor is responsible for checking all levels and dimensions on site and shall refer any discrepancies to the architect and engineer or designer and designer.  
 4. Where appropriate, for details of the structure, fire mechanical and electrical details, drawings, information, specifications or discrepancies the engineer must be consulted.  
 5. All proprietary items or products must be fixed and constructed in strict accordance with the manufacturers details specifications and instructions.  
 6. Size and performance of proprietary items must be checked with the manufacturers and suppliers.  
 7. The contractor shall be responsible for the co-ordinating of the works structure, finishes and services to ensure that the works are compliant with the Building Regulations.  
 8. If in doubt please check.