CERTIFIED PASSIVHAUS AT

32A LANSDOWNE DRIVE, E8

New build detached house, completed 2015

Tectonics
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PROJECT INFORMATION

32A Lansdowne Drive is a 2-storey house in a Conservation Area of East London, and has received Passivhaus Certification.

Who designed it?

Architects:	Tectonics Architects - Director Bernard Tulkens
Passivhaus design and PHPP:	Accredited Passivhaus Design - Peter Ranken

Who built it?

Self built, managed by Tectonics Architects.
Separate contractors were appointed for each building component. See list of selected contractors overleaf.

How was it made?

The Building is organised with entrance and bedrooms at lower ground floor, and an open plan living space on the upper level. The construction consists of a lower level in in-situ reinforced concrete, and a prefabricated upper level structure in Cross Laminated Timber. The local urban planning required the building to be set half a level down from street or garden level to keep the profile low.









Photographs, clockwise from top left. Alex Sargison, Adrian Wolfson, Adrian Wolfson, Alex Sargison.

Passivhaus Trust

CERTIFIED PASSIVHAUS AT

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New build detatched house, completed 2015

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CONSULTANTS / CONTRACTORS

Architect: Tectonics Architects.
Contact: Bernard Tulkens - www.tectonics-architects.com

Passivhaus Design/PHPP: Accredited Passivhaus Design.
Contact Peter Ranken - pranken@accreditedpassivhausdesign.com

Passivhaus Certifier:
WARM : low energy Building Practice. www.peterwarm.co.uk

Structural engineers: Michael Hadi Associates
www.mhaconsult.com

Cross Laminated Timber engineers and contractors: Eurban
Contact: Liam Dewar - www.eurban.co.uk

Sub floor insulation: Isoquick
www.isoquick.co.uk

Airtightness and wood fibre Insulation contractor: Clioma House ltd
Contact: Roman Szypura www.clioma.ie

Lower ground floor insulation and brick slips: Alsecco / Meti Building services
www.alsecco.co.uk

Windows: Internorm UK.
Contact: Thomas Hagen - www.internorm.com

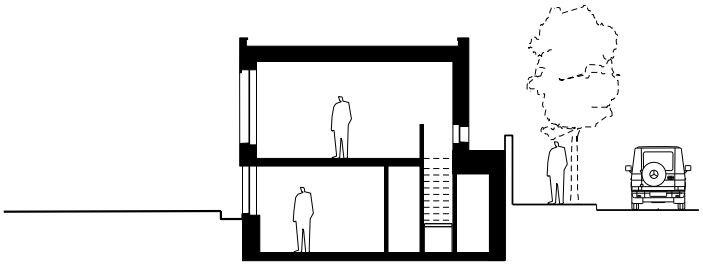
Zinc: Peters roofing
Contact: Peter Young - www.petersroofing.co.uk

MVHR: Total Home Environment
www.totalhome.co.uk

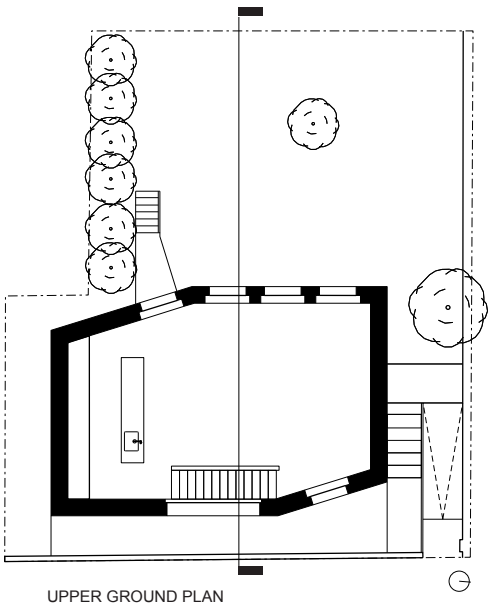
Air testing: Jennings Aldas
Contact: Paul Jennings. Jennings.Aldas@gmail.com

Electrics / KNX instalation: Sagar Smart Homes
Contact: Richard Sagar. Richard@sagarsmarthomes.co.uk

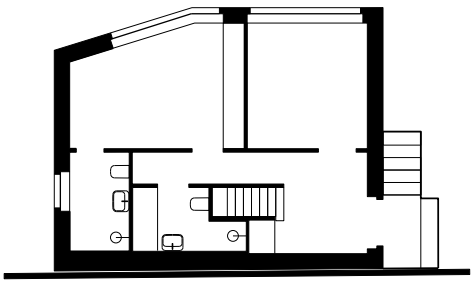




SECTION



UPPER GROUND PLAN



LOWER GROUND PLAN

Passivhaus Trust