

Retrofit for the Future Final Phase Report

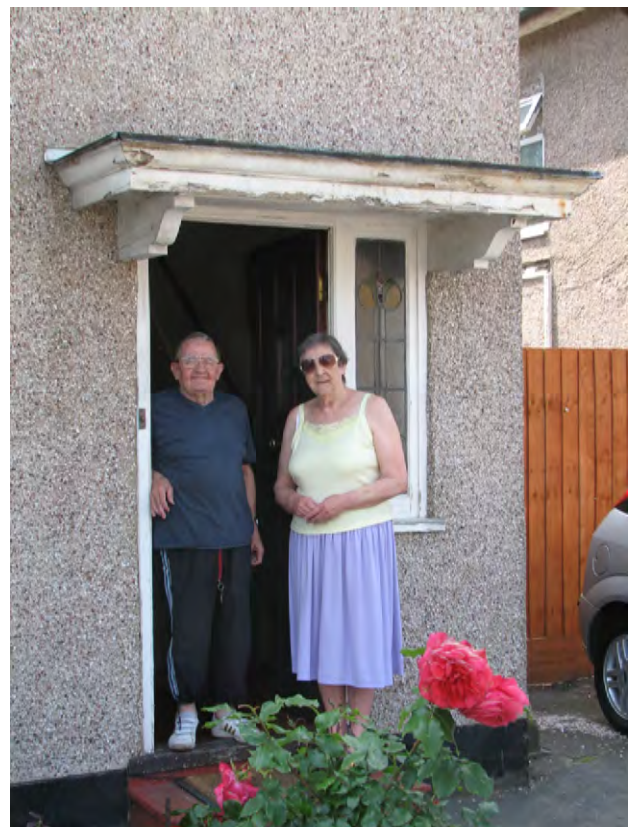
ZA522P

Appendix 2

Construction photographs

ZA521E Appendij 2 Grove Road

Pre-retrofit property



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150mm of mineral wool insulation fitted between floor joists



Continuous airtight layer between parge coat to walls and airtight layer in attic



High performance PUR fitted between rafter to provide a continuous insulated envelope over the top of the external walls.



High performance PUR fitted between rafter to provide a continuous insulated envelope over the top of the external walls.

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Solar thermal array installed



Solar thermal cylinder installed in under-stair cupboard



Installing triple glazed passivhaus windows with timber surround



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Timber frame construction of bay window area



Internal bay windows

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External insulation



Paul Novus 300 heat recovery ventilation unit (HRVU)to attic



Door fan to front door during airtest . Airtightness tapes and membranes continuous are from door and windows to parge coat.

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Internal wood fibre insulation to party wall either side of chimney breast



Supply air diffuser from HRVU



Low energy light bulbs throughout

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Post-retrofit property

