

Retrofit for the Future Final Phase Report

ZA521E

Appendix 2

Construction photographs

ZA521E Appendices 2

Passfield Drive

Pre-retrofit property



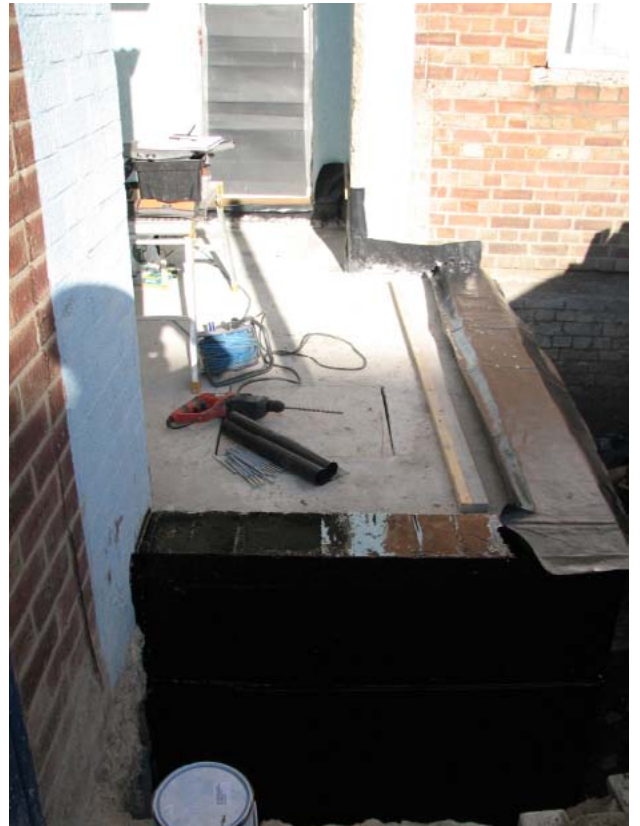
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Creation of trench for below ground insulation, demolition of existing extension.



Creation of insulated foundations to new extension.



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Installation of Passivhaus triple glazed windows



"Rabbit ears" are created in the airtightness tapes to allow the window to expand and contract without ripping the tapes.



Incorrectly installed



Correctly installed with "VRabbit ears"

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Erection of new extension



Mineral wool insulation in roof



External wood fibre insulation



Airtightness membranes

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Application of parge coat and initial application of external insulation



HRV unit installed in attic



Achieving airtightness at eaves using airtightness tape and membranes

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Mineral wool insulation in roof space



Vacuum insulation applied to ground floor slab



Blower fan to front door during airtest

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Internal finishes



Internal finishes



HRVU supply air diffuser



Solar thermal array installed and final render coat
applied to external insulation

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Post-retrofit property

