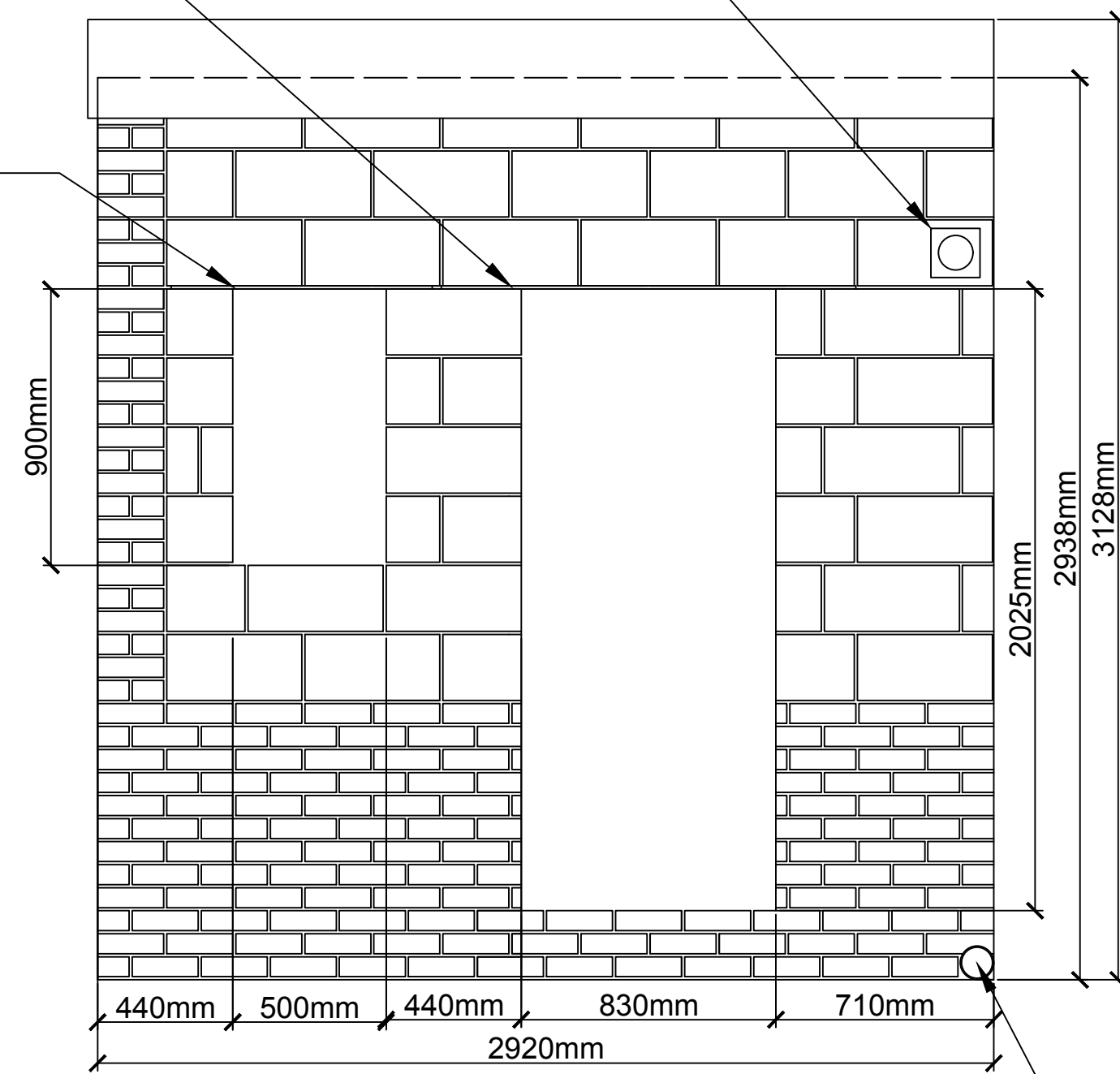


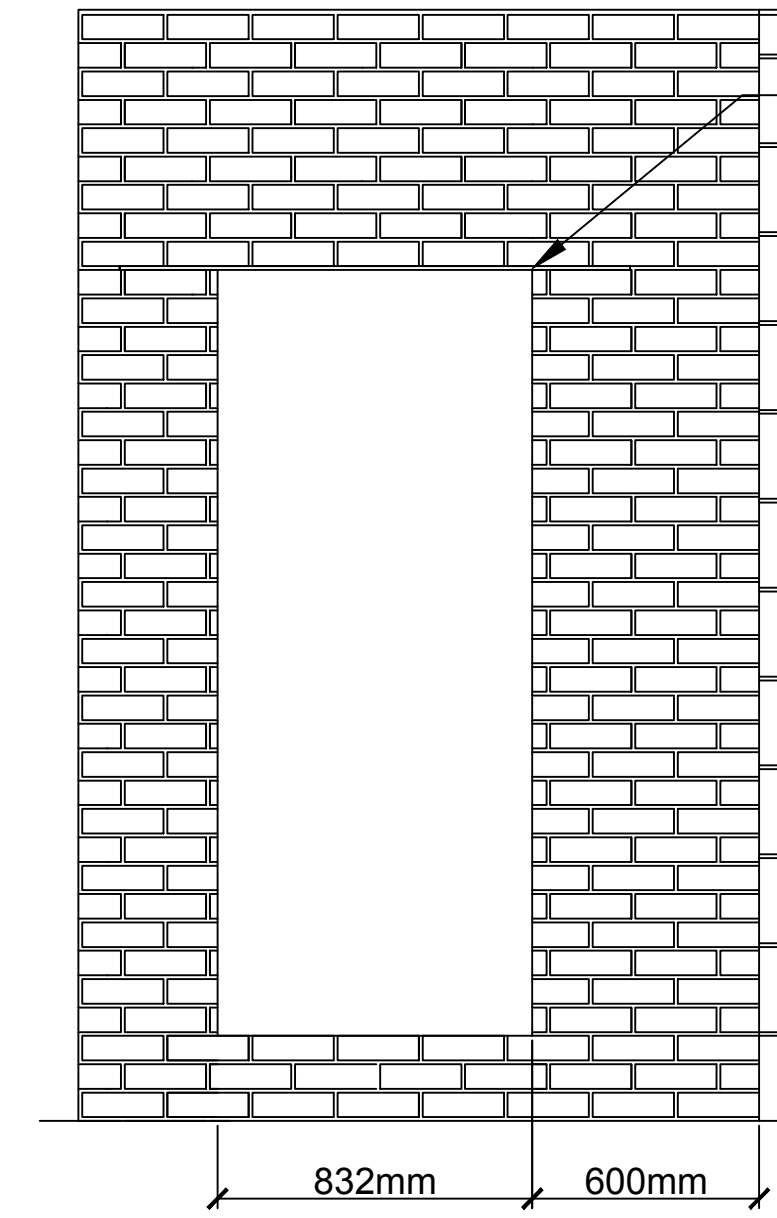
Stressline SL90 Cavity Wall  
1200mm Steel Lintel  
Load: 0.68 kN; rated to 16 kN

Extractor fan

Stressline SL90 Cavity Wall  
900 mm Steel Lintel  
Load: 0.5 kN; rated to 16 kN



New doorway from existing kitchen into new utility room. FD30 internal door fitted.



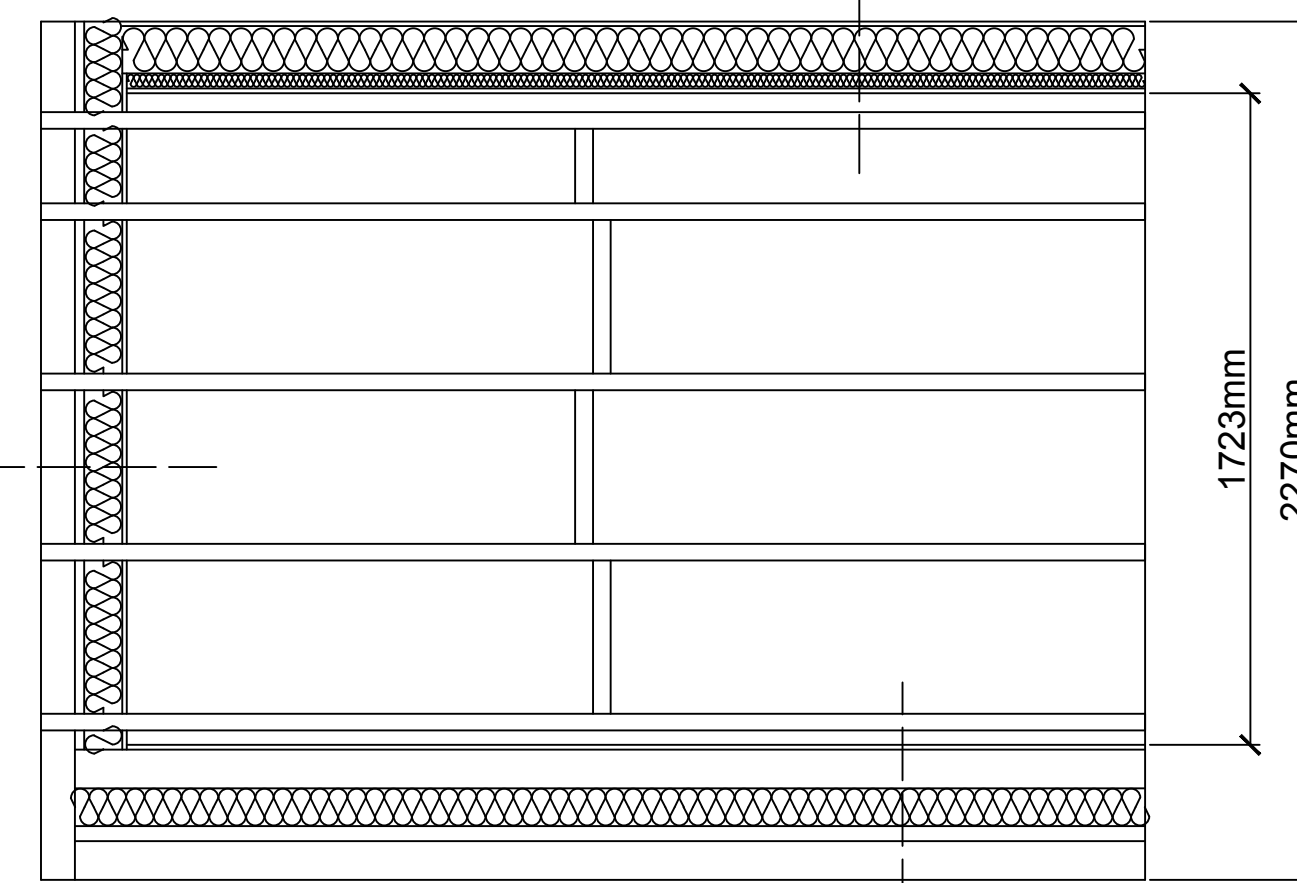
Stressline SL90 Cavity Wall  
1200mm Steel Lintel  
Load: 0.68 kN; rated to 16 kN

Cutaway C

Inner leaf of external wall

Waste from WC and utility to flow into existing foul water wastepipe.

Cutaway B



Cutaway A

Door from utility to garage will be FD30-compliant.

All windows will be double-glazed and installed by FENSA-approved fitters.

All U-values are in units of W/sq. m K

All concrete blocks are 7N Dense Concrete.

All lintels have at least 150mm end bearings.

All new electrical wiring and fittings to be approved by a qualified electrician.

EPDM  
75x75mm batons  
Wood fascia

EPDM

Cutaway A

Double-skin wall with 140mm cavity & ties  
100mm Kingspan K108  
Total wall U-value: 0.17

DPC

New wall sits on existing brick wall

345mm

18mm OSB

150mm Kingspan TR27  
Total U-value: 0.15

Breather membrane-covered 12mm plywood

47x120mm C16 Joists

12.5mm Plasterboard

12.5mm+40mm Insulated plasterboard

Underlay-covered 18mm plywood

47x120mm C16 Joists

100mm K103 Insulation  
Total floor U-value: 0.19

Cutaway B

EPDM

75x75mm timber batons

Plastic fascia

Gutter flowing into existing drain

125x47mm Studwork

75+50mm Kingspan K108  
Total wall U-value: 0.18

12.5mm Fire plasterboard

75mm+50mm Kingspan K108

75x47mm Studwork

Existing garage wall

47x97mm joist hanger

Cutaway C

Existing brick wall between kitchen and garage.

Joists to sit on existing wall.

**Project:** Partial demolition & rebuild of garage and single-storey side extension plus construction of front porch.

**Client name and address:** James Mullaney, 564 Stannington Road, Stannington, S6 6AB

**Page 7 of 7:** Utility room and w/c (collectively "rear room").  
**Scale at A1:** Cutaways 1:10, otherwise 1:20

**Date:** June 2023