

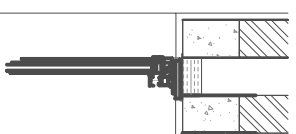
timber column to be secured to rafter using 2no. Simpson ESCRC5.0 x 90 countersunk structural screws to each timber column

rafter 47mm(w) x 225mm(d) C24 timber to be secured to existing masonry using 1no. M10 HIT-V-5.8 resin anchor at 450mm c/c with Hilti HIT-HY-170 injectable mortar

timber column to be formed using 3no. 47mm(w) x 225mm(d) C24 timbers, inner stud fixed a specified and 2no. outer studs spiked back to inner stud with 3 rows of 3.1x90mm galvanised ring shank nails at 300mm c/c vertically. timbers to be glued together using high strength cross-linking PVA glue

timber column to receive 1no. layer of Gyproc 15mm thk. Fireline board, all joints to be tapped & filled  
plasterboard to receive a 3mm plaster skim to allow for decoration (by client)

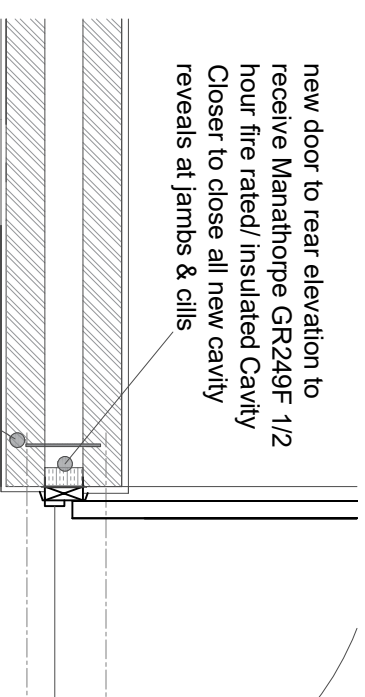
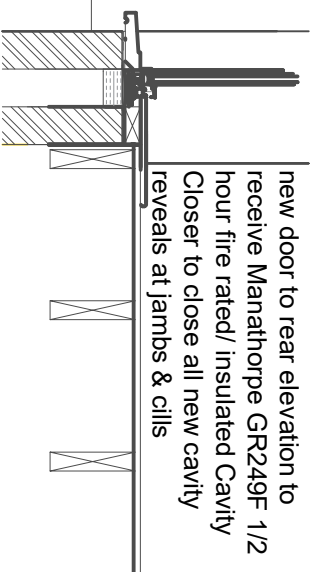
timber column to be secured back floor joists or timber dwangs using 2no. Simpson E2/ 2.5/ 7090 reinforced brackets with a minimum of 4no. Simpson ESCRC5.0 x 90 countersunk structural screws and secured back to column using a minimum of 4no. Simpson ESCRC5.0 x 90 countersunk structural screws



existing lintels to remain in place  
new door to rear elevation to receive Manathorpe GR249F 1/2 hour fire rated/ insulated Cavity Closer to close all new cavity reveals at jambs & cills

### proposed door head detail

new door to rear elevation to receive Manathorpe GR249F 1/2 hour fire rated/ insulated Cavity Closer to close all new cavity reveals at jambs & cills



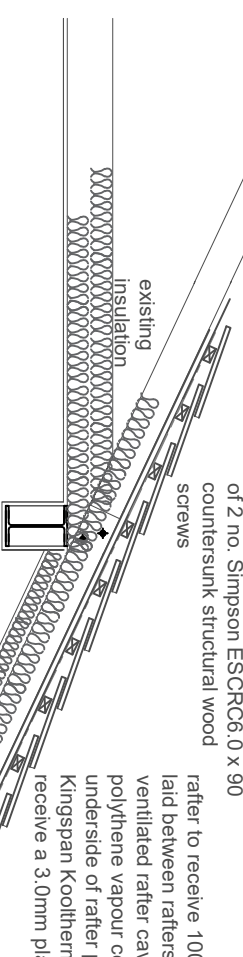
new door to rear elevation to receive Manathorpe GR249F 1/2 hour fire rated/ insulated Cavity Closer to close all new cavity reveals at jambs & cills

on formation of new opening contractor to install Heifix dryfix Dry mechanical pinning and remedial tying system at 225mm c/c (each jamb) over height of new opening, ties to be installed no more than 75mm from face of newly formed jamb.

### proposed door jamb detail

rafter joist to be secured to existing rafter using a minimum of 2 no. Simpson ESCRC6.0 x 90 countersunk structural wood screws

### proposed door threshold detail



rafter to receive 100mm thk. Kingspan Kooltherm K107 laid between rafters ensuring a minimum of 50mm ventilated rafter cavity a layer of 1000 gauge (0.25mm) polythene vapour control barrier layer to be fixed to underside of rafter prior to installation of 72.5mm thk. Kingspan Kooltherm K118 insulated plasterboard, all to receive a 3.0mm plaster skim to allow for decoration.

## Kitchen

### proposed alterations to roof rafter

new rafter to be secured to wallplate using Simpson E9S/ 2.5 angle brackets (1no. either side) nailed to timber through all nailing holes using 3.75x30 square twist nails

existing window to rear elevation to receive Manathorpe GR249F 1/2 hour fire rated/ insulated Cavity Closer to close all new cavity reveals at jambs & cills

REVISION	DESCRIPTION	DATE

**THE FUNDAMENTA GROUP**  
Structural Engineers  
Design Consultants

The Successors of Ezy Group

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PROJECT  
FUN/CA/01  
PROPOSED INTERNAL ALTERATIONS &  
ALTERATIONS TO REAR ROOF  
1 CAIRNGORM ROAD, GLASGOW

TITLE  
DETAILS

DRAWN BY	CHECKED BY	DATE
RC	BA	09/12/2023
DRAWING NUMBER	REVISION	SCALE
D/01	NTS	
STATUS	FOR APPROVAL	