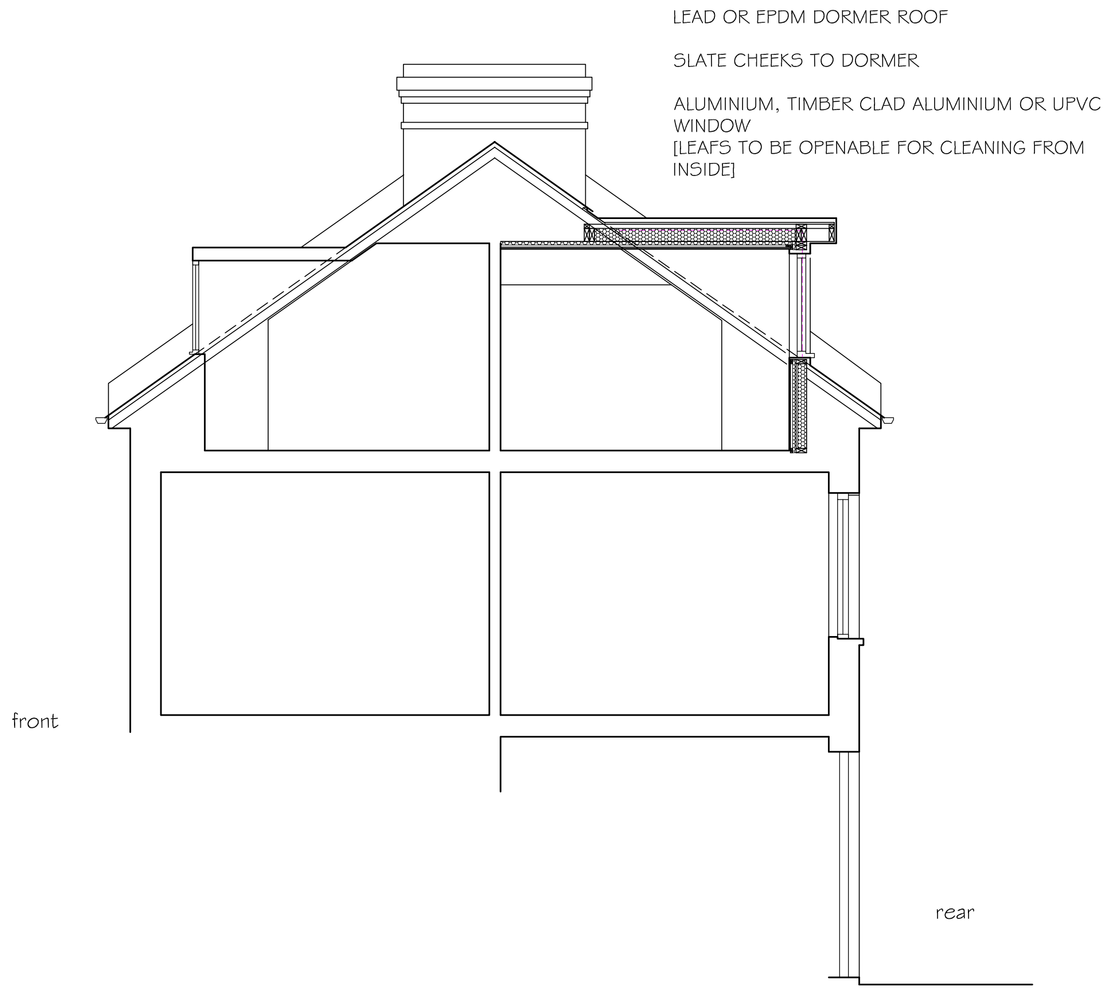
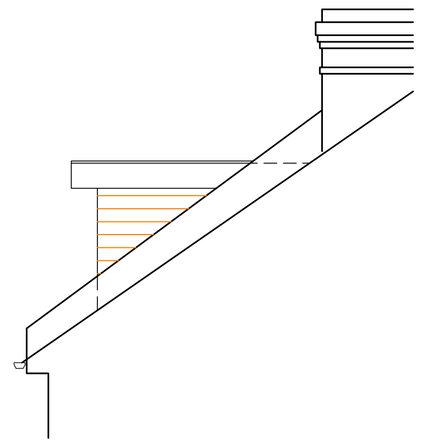
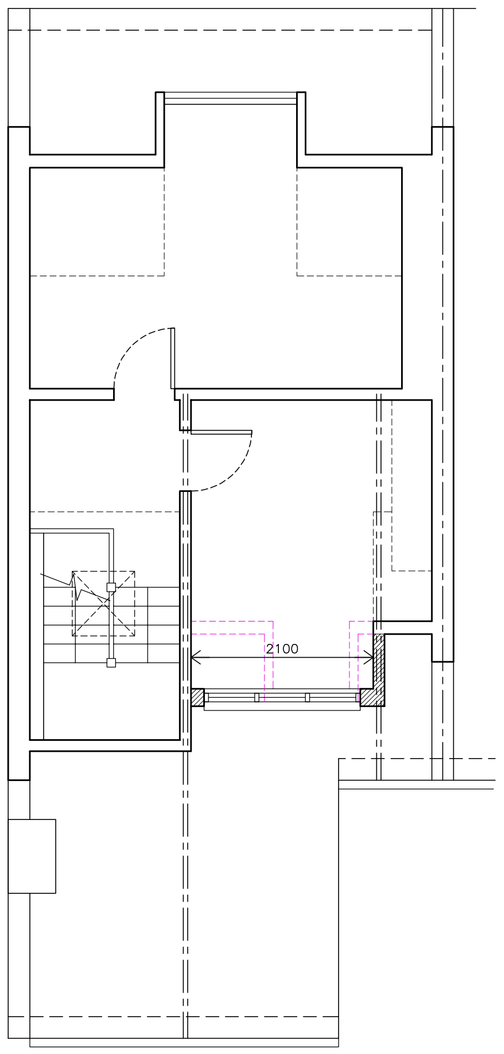


Section Facing No.97

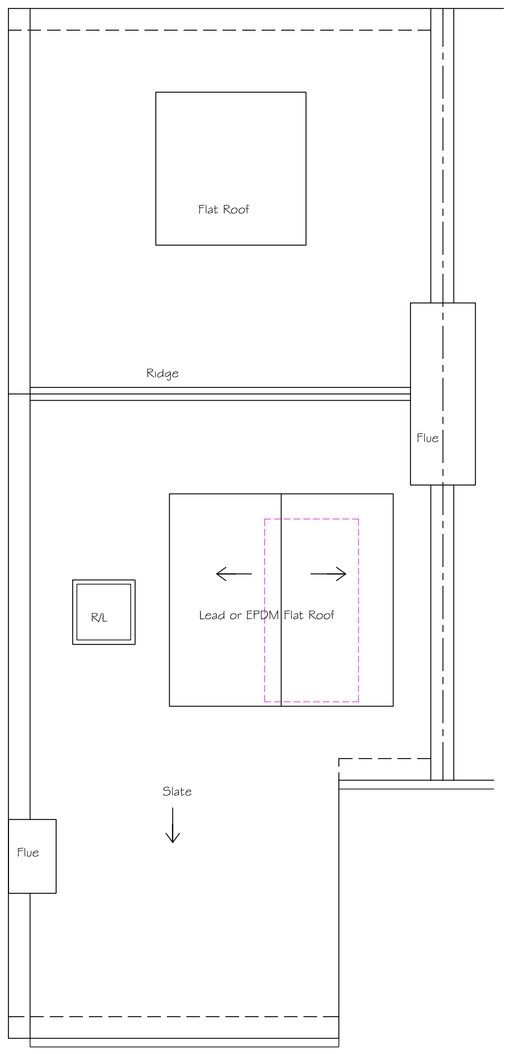
Rear Elevation



Side Elevation OTHER SIDE SIMILAR



Second/Roof



Roof

Lead Roof (ventilated warm deck)
Code 5 lead sheeting to LSA recommended details over breather paper BS1521 Class A, or a suitable Geotextile underlay, on 18mm roofing grade plywood.
Lay 50x50mm ventilation battens over 150mm CELOTEX XR4000 insulation board.
(U value 0.16W/mK)
Maintain 25mm continuous air gap fitted with insect mesh around the eaves to allow free flow ventilation beneath the lead deck.
Below the insulation lay 1000g polythene vapour control layer (VCL) over 19mm bracing roofing grade plywood
Roof laid to fall min. 1:80 by timber firrings on 150x50mm C24 joists at 400mm c/c supported off joist hangers and restrained by 30x5mm galv.m.s. straps at 1.2M c/c.
Fix 12.5mm plasterboard and skim to 50x25 battens on 40mm CELOTEX TB4000 to underside of joists.

OR

Flat Roof (warm deck)
GRP single ply roofing (or EPDM) by specialist on 18mm t&g roofing grade OSB on min. 150mm thk KINGSPAN Thermaroof TR26, or similar approved, (U value = 0.15 W/mK) fixed in accordance with manufacturers instructions over 1000 guage Visqueen VCL on min. 18mm roofing grade ply.
Roof laid to fall min. 1:60 by timber firrings on 150x50mm C24 joists at 400mm c/c supported off joist hangers and restrained by 30x5mm galv.m.s. straps at 1.2M c/c.
Provide timber noggins at joist ends and mid span (and unsupported insulation board ends).
Apply double bead of mastic up the firrings and across the noggins wherever there is a butt joint.
Fix 12.5mm plasterboard and skim to underside of joists.
Roof covering dressed min. 150mm up preformed fillets or timber kerbs set 12mm clear of wall abutments and cover flashed in code 4 lead all to specialists recommended details

Dormer Walls
Vertical slate hanging to match existing (with pre made corner tiles) on 19x38 treated battens on reinforced roofing felt to BS747 on 18mm bracing roofing grade plywood glued & screwed to 120x50mm sw studs at 400mm c/c

Fix 100mm CELOTEX GA4000 insulation board between studs (outer face, 20mm cavity), or similar approved, and 40mm TB4000 to inner face with 12.5mm plasterboard & skim finish to give 0.18W/mK

Fix 25x50mm treated battens on line of studs and 12.5mm plasterboard internally where inside insulation exceeds 50mm

Tape the joints of the insulation board using CELOTEX insulation tape and the perimeter edges sealed with mastic to provide a VCL.

Double up rafters adjacent dormers and rooflights

OR ALTERNATIVELY

Use 80mm CELOTEX GA4000 between outer face of 100x50 studs (20mm cavity) at 400mm c/c with 50mm CELOTEX GA4000 internally to give 0.18W/mK

Dormer cheeks within 1.0M of party wall to be lined with 6mm Supalux to ply (or 12.5mm Supalux), or similar approved, fire resisting board to achieve 1 hour fire separation

0M 1 2 3
Scale 1:50

Do not scale from drawing
All dimensions to be checked on site

Date	Revisions
A	

Project

95A SHEEN ROAD
RICHMOND TW9 1YJ

Title

Enlarge Rear Dormer

Proposed Layout

Scale A1 @ 1:50

Date November 2024

Drawn PW

Checked

Drwg. No P766/02

Rev.