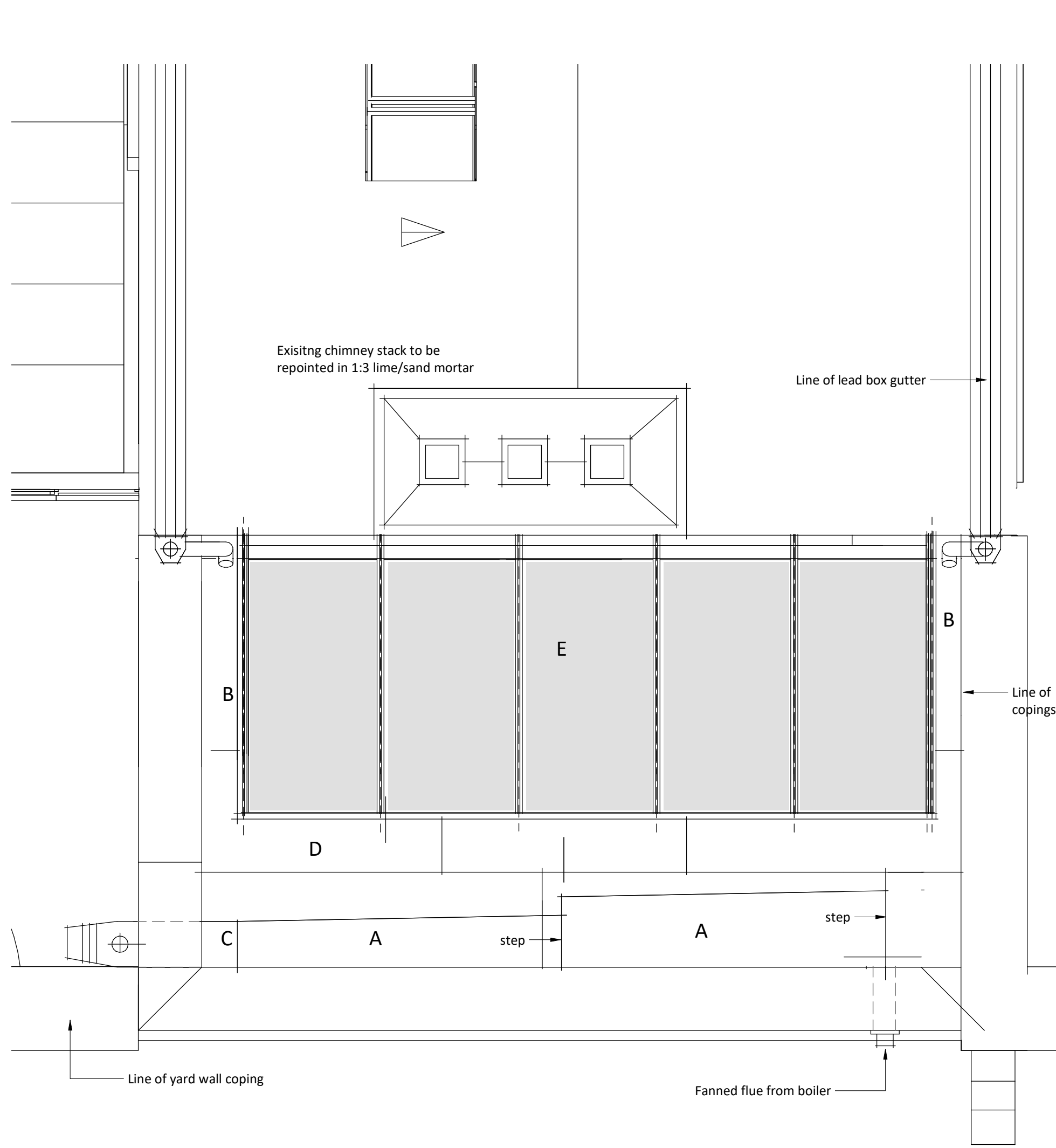
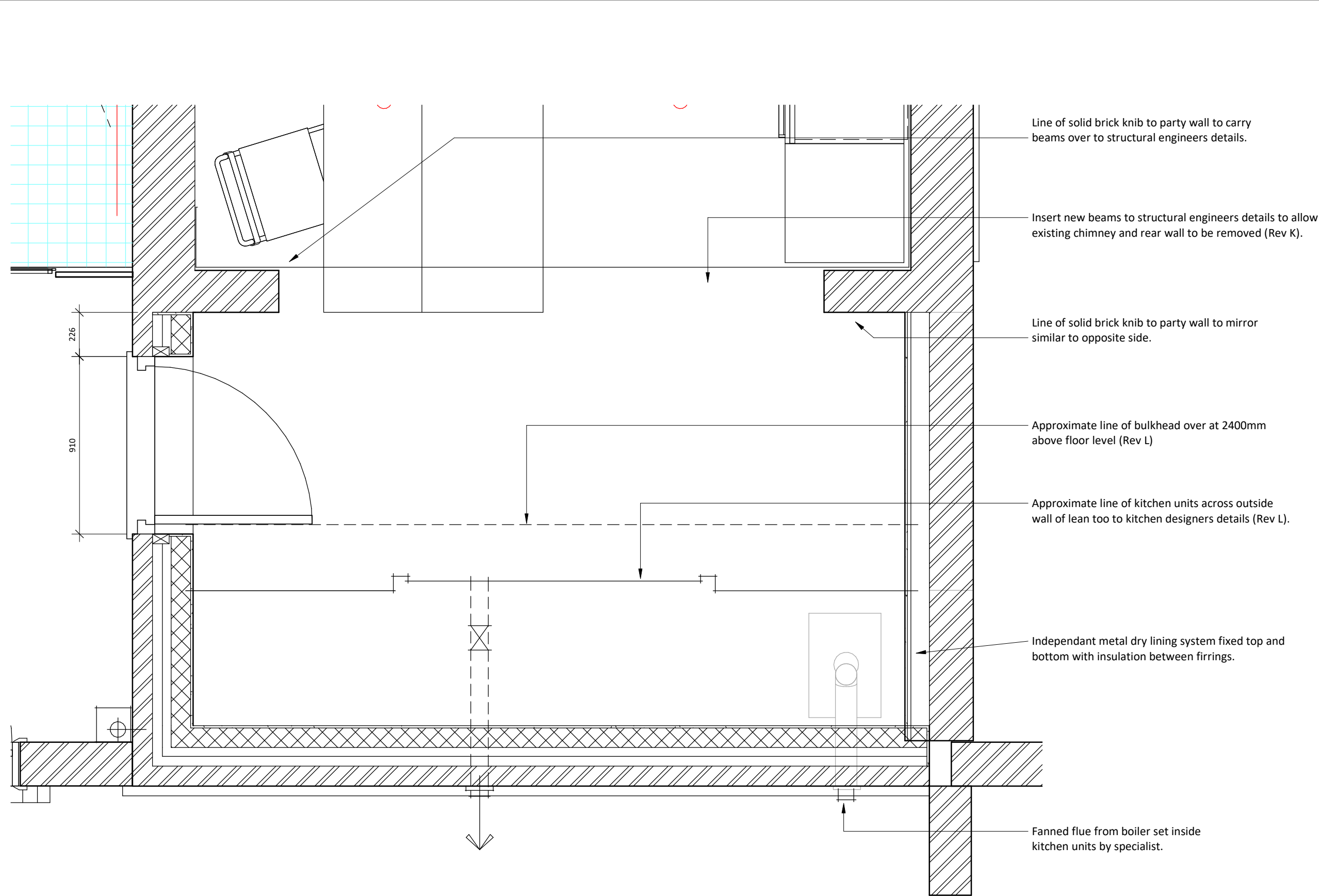
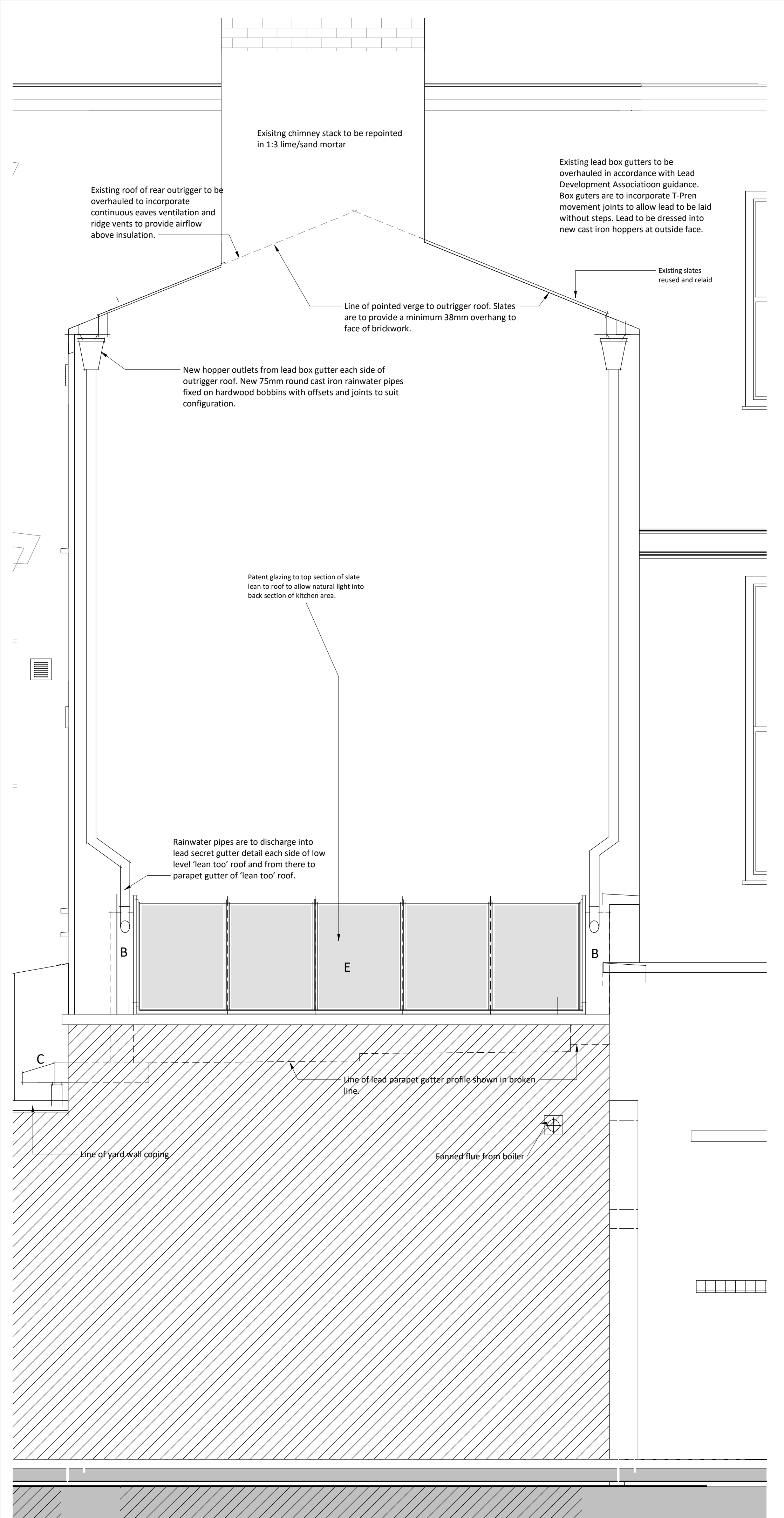




A - Parapet Gutter
Parapet gutter to be formed in Code 5 lead laid in strict accordance with Lead Development Association guidance.
Code 5 lead sheet inclined section of roof between end of patent glazing and parapet gutter to be laid on untreated softwood penny boarding down to base of parapet gutter. Top edge of Code 5 gutter lining to be dressed up and over 50 x 100 trimmer at lower edge of patent glazing.
55mm step at lap in sheets at top of gutter (in line with width of raking secret gutter) and at lap in sheets at mid point. At top of each step, undercloak to be nailed into 30mm x 5mm rebate in untreated softwood board to front of step.
Parapet gutter base formed in 25mm untreated softwood boards with 3mm 'penny' gaps on 75mm x 50mm treated softwood bearers at 450mm ctrs and fixed to suit fall of gutter. Gutter bearers are to laid over ne rafters to line of gutter profile and fixed to structure.
On inside of roof, gutter line/level to be established by fixing gutter bearer to sloping line of rafters with shaped treated softwood fillet on top face to provide level gutter base. On outside of roof, matching gutter line/level to be established by fixing bearer to inside face of parapet wall to act as wallplate.
All sheet lead fixed and clipped in accordance with Lead Development Association guidance.

B - Secret Gutters
Code 5 lead secret gutters 175mm wide to be formed to each side of roof between raking parapet wall and sides of patent glazing. Secret gutter lining to be in maximum 1500mm lengths head fixed with 2no. rows of copper/stainless steel nailsand with minimum 150mm laps between sheets. Secret gutter base to be formed in 25mm untreated softwood boards with 3mm 'penny' gaps fixed over last two full span rafters. Secret gutter is to be a minimum of 175mm wide to receive discharge rainwater pipes from high level gutters each side of outrigger roof over.
To outside faces, secret gutter lining is to be dressed up projecting raking parapet wall and tucked under 400mm wide 50-75mm once weathered stone coping, discharging to roof side. Inside face of parapet walls are to be fully covered with lead to provide continuous protection against water ingress. Copings to be bedded on lime mortar and on code 4 lead damp proof course with 25mm turn down on outside and 50mm turn down on parapet side. Copings are to be pinned to wall head with stainless steel dowels, minimum of 2 dowels to each length of coping. All fixing points through lead dpc are to be sealed with 'leadmate' mastic before final fixing of copings.
Note - all faces of lead in direct contact with masonry are to be fully painted in bitumen.
To inside of secret gutter at junction with patent glazing, inside face of secret gutter is to be dressed up face of untreated 25mm x 150mm vertical board fixed to last full rafter and lapped over and down onto integral lead flashings of glazing bars. Slate to have a minimum 38mm overhang to secret gutter. All sheet lead fixed and clipped in accordance with Lead Development Association guidance.

C - Catchpit and Chute
At low point Code 5 gutter is to discharge into 200mm deep catchpit with Code 6 lead chute outlet through the new yard wall. Chute is to incorporate a lead burned spigot outlet to suit 100mm cast iron rainwater pipe. Top edges of lead chute detail are to be folded over 8mm diameter stainless steel reinforcing bars. Chute is to incorporate 38mm weir overflow so that if gutter or pipe were to become blocked water would discharge outward onto yard floor area.
All sheet lead fixed and clipped in accordance with Lead Development Association guidance.

D - Slatting
Roof structure to be formed in 50mm x 100mm loose rafters @ 400ctrs laid to 30° pitch. Rafters supported off 150 x 90 PFC with 75 x 100 wallplate bolted to the top side at lower point of patent glazing and wall plate at parapet level. Opening for patent glazed section to framed using inclined timber stud partition off cross wall to toilet. Rafters to have 50 x 100 trimmer for lower edge support to patent glazing. Structural engineer to design/specify stud configuration and framing to suit structural requirements.
Inclined section of roof structure to be finished in code 5 lead sheet with single longitudinal lap (min 100mm) with leading edge restrained by lead clips welded to undercloak at 450 ctrs. Sheet to be laid on 25mm untreated softwood boards with 3mm 'penny' gaps laid at right angles to rafters.

E - Patent Glazing
Form area of patent glazing using No. 7 'Heritage' lead covered steel glazing bar to suit maximum 28mm double glazed sealed units. Glazing bars to be provide by Standard Patent Glazing Co. Ltd Flagship House, Forge Lane, Dewsbury, West Yorkshire, WF12 9EL Tel 01924 461213 (HYPERLINK "http://www.patent-glazing.com" www.patent-glazing.com).
At head, glazing bars are to be fixed on 75mm x 150mm wallplate bolted to outrigger wall at high point and with sloping packer to top side to suit 30° pitch of glazing bars/slate. Allow for Code 4 lead flashing to be dressed up face of wall a minimum of 75mm and into chase in bed joint secured with lead wedges. Flashing to extend a minimum of 125mm across face of glazing.
At low point cut rafter ends are to support 50mm x 100mm trimmer fitted to top side to receive patent glazing bars and to provide minimum upstand of 50mm above slates. Code 4 lead flashing is to be fixed to top of trimmer and dressed down face and across head of slates a minimum of 100mm.

B	10.06.21	AP	Kitchen details and Lean Too layout amended
A	25.01.21	AP	Details of patent glazing arrangement and rear walls amended
Rev	Date	Int	Description



Client:
Nilesh Bhatt

Project:
13 St John Street, Manchester

Description:
Rear Lean Too Details 01

Purpose of Issue: Building Regulations			
Drawn By:	Checked By:	Date:	Scale @ A1:
Author	Checker	10/18/20	1 : 20
Job No:	Status Code:	Drawing No:	Rev:
3521	S2	259	B
File Identifier: SJ-BTP-00-DR-A-3521_259			
Elizabeth House, 486 Didsbury Road, Heaton Mersey, Stockport, SK4 3BS t 0161 443 1221 e info@bernardtaylor.co.uk w www.btparchitects.co.uk			