Air Source Heat Pump Technical Survey

Survey Details	
Inspection Date:	23/06/2025
Surveyor Name:	Ryan Reyland
Installer Company Name:	Not Applicable
Address:	10 Oak Avenue Wrexham Wrexham
Post Code:	LL13 0NW
Contact Name:	[redacted]
Contact Telephone:	
Contact Email:	

General Details	
Is property in a conservation area or heritage site?	No
Is there any customer preparation work to be completed prior to installation?	No
What is the property age band?	1983-1990
Electric supply source:	Single Phase
Mains fuse size:	100A
Earthing system:	TNS
Further comments on electrical arrangements:	No

Current Electricity Tariff	
What is the current electricity tariff?	Single
Unit 1 price:	[redacted]
Unit 2 price:	Not Applicable

Heat Pump	
Where is the heat pump being mounted?	Ground mounted
Please provide details on the ground suitability:	Level and slabbed
Is the minimum clearance met?	Yes
Has the customer been advised of location?	Yes
Are there any specific rooms where installing or changing radiator may be an issue?	No
What is the distance between the outdoor and indoor unit:	7m
What is the distance between the heat pump and neighbouring habitable room:	2m
New system:	Monobloc
Is a BUH required?	No
Is there available space for BUH?	Not Applicable
Is a buffer required?	No
Is there available space for a buffer?	Not Applicable
Q-Value:	Q2
Barrier:	No barrier (0)
Is an additional sound barrier potentially required?	No
Has the location of the additional sound barrier been discussed and agreed with the customer?	Not Applicable

Heating & Hot Water System	
Water heating required?	Yes
Is solar thermal present?	No
Is PV present?	No
How many heat sources are there at the property?	1
Pre-main heating source:	Underfloor electric/electric room heaters
Emitter type:	No Radiators
Age of system:	15
The hot water pressure is provided by:	Tank in loft
What is the cylinder type?	Indirect
Secondary heating source and emitter:	Not Applicable
Is there an existing shower?	Yes
If yes, is the shower compatible with a new system?	Yes
Is the customer interested in a new cylinder?	Yes
Is there space for a new cylinder?	Yes Outdoor airing cupboard
What is the water pressure?	4 BAR
What is the water flow rate?	10 l/min

Main Property Constitution	
Wall construction:	Cavity as built
Wall thickness:	285mm
How was the wall thickness determined?	Measured
Wall insulation type:	Not Applicable
Wall insulation thickness:	
Wall U-Value:	Not Known
Floor construction:	None
Floor insulation type:	None
Floor insulation thickness:	Not Applicable
Roof construction:	Pitched
Roof insulation thickness:	250mm

Secondary Property Constitution	
Extensions wall construction:	Not Applicable
Extensions wall thickness:	Not Applicable
How was the extensions wall thickness determined?	Not Applicable
Extensions wall insulation type:	Not Applicable
Extensions wall insulation thickness:	Not Applicable
Extensions wall U-Value:	Not Applicable
Extensions floor construction:	Not Applicable
Extensions floor insulation type:	Not Applicable
Extensions floor insulation thickness:	Not Applicable
Extensions roof construction:	Not Applicable
Extensions roof insulation thickness:	Not Applicable

Radiator Details

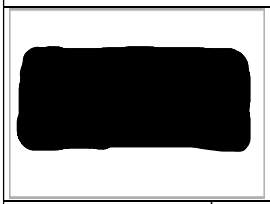
Glazing

Type of window frame:	PVC-U
What it the window glazing thickness?	Double
What it the roof glazing thickness?	Not Applicable

Open Fire

What type of open fire?	Not Applicable
What is the location of the open fire?	Not Applicable

Customer Approval



Print Name:	[redacted]
Signature Date:	23/06/2025

Front elevation



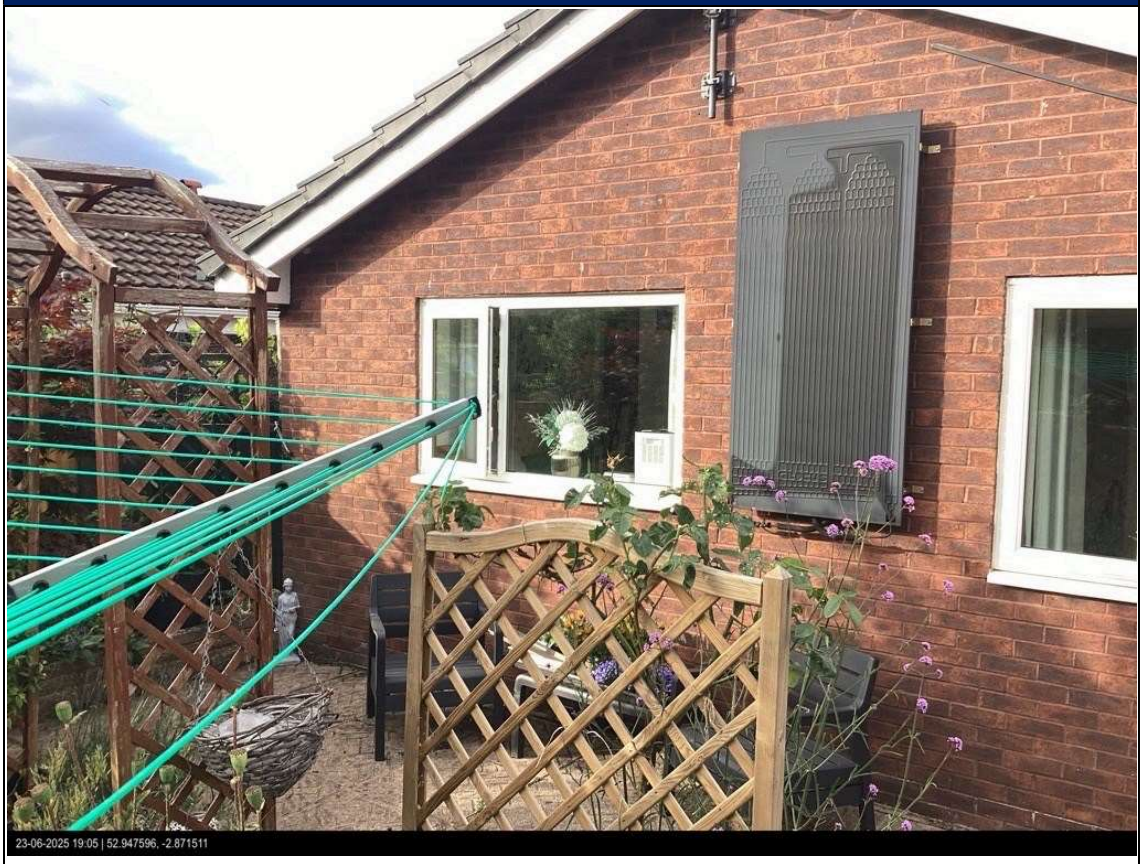
Front elevation



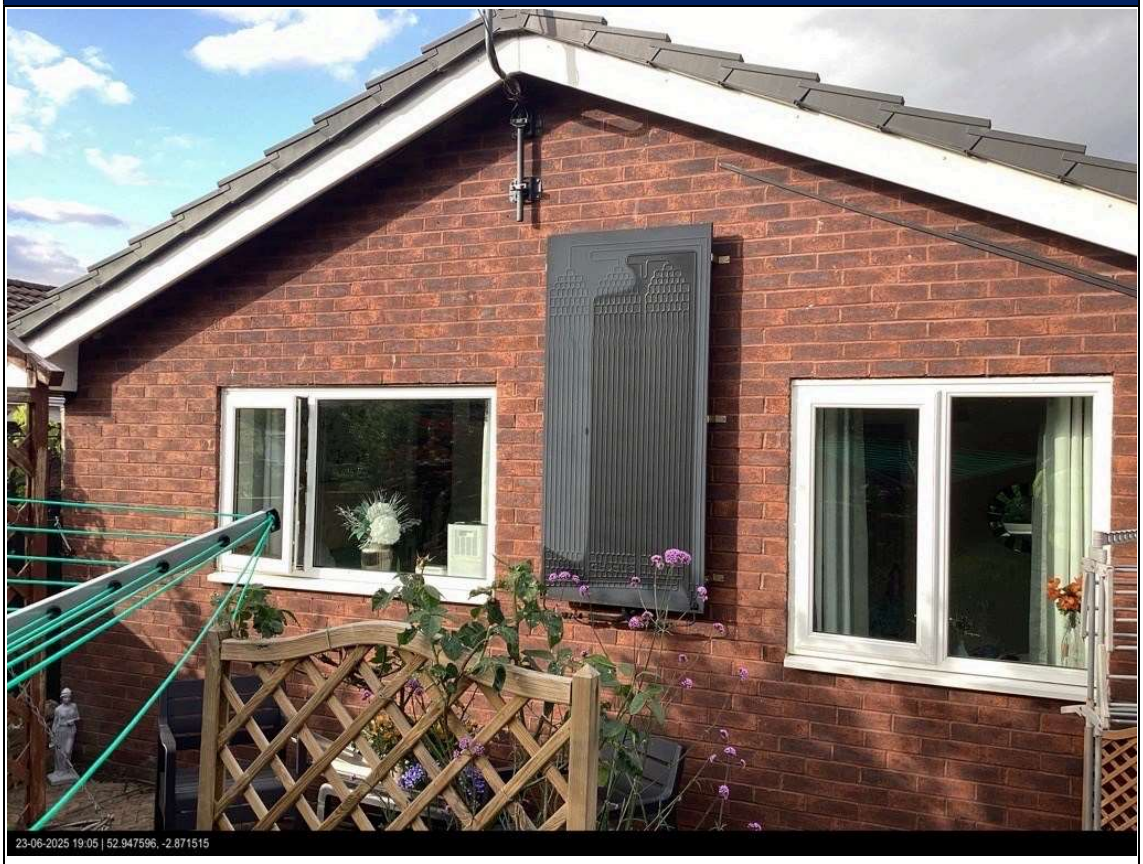
Front elevation



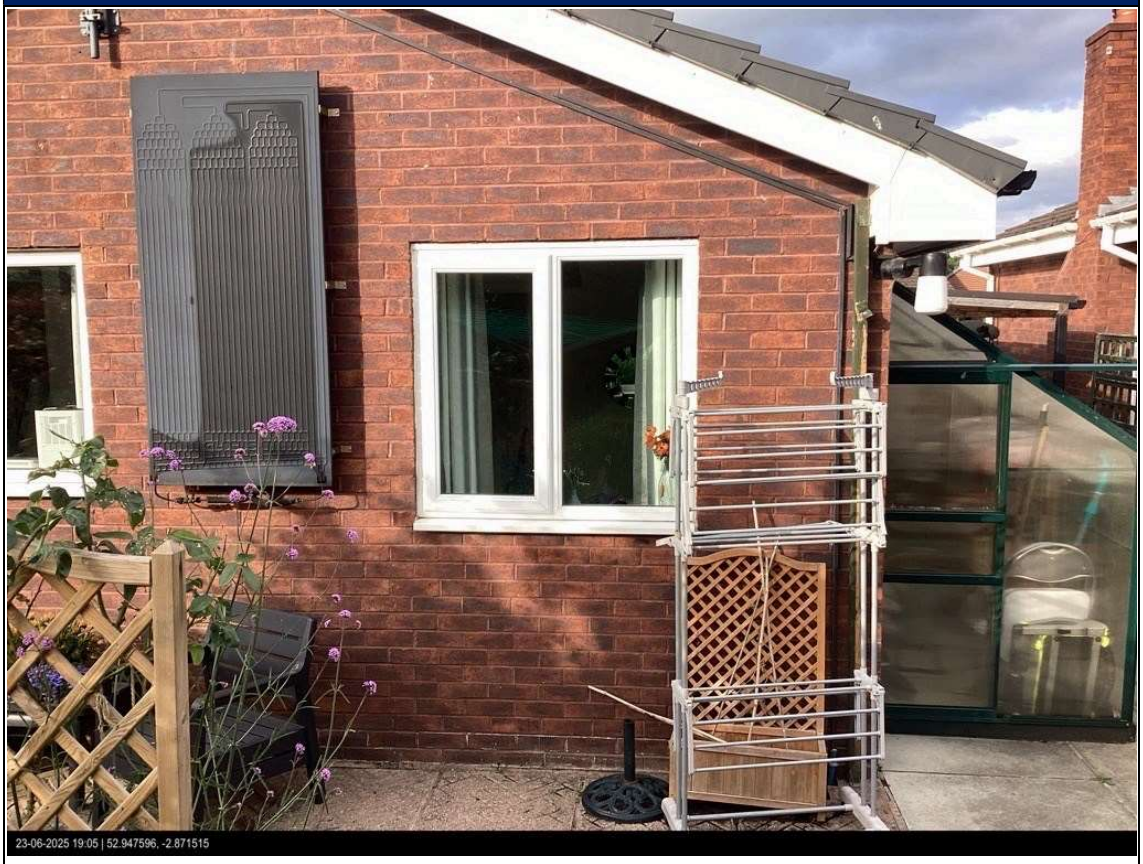
Rear elevation



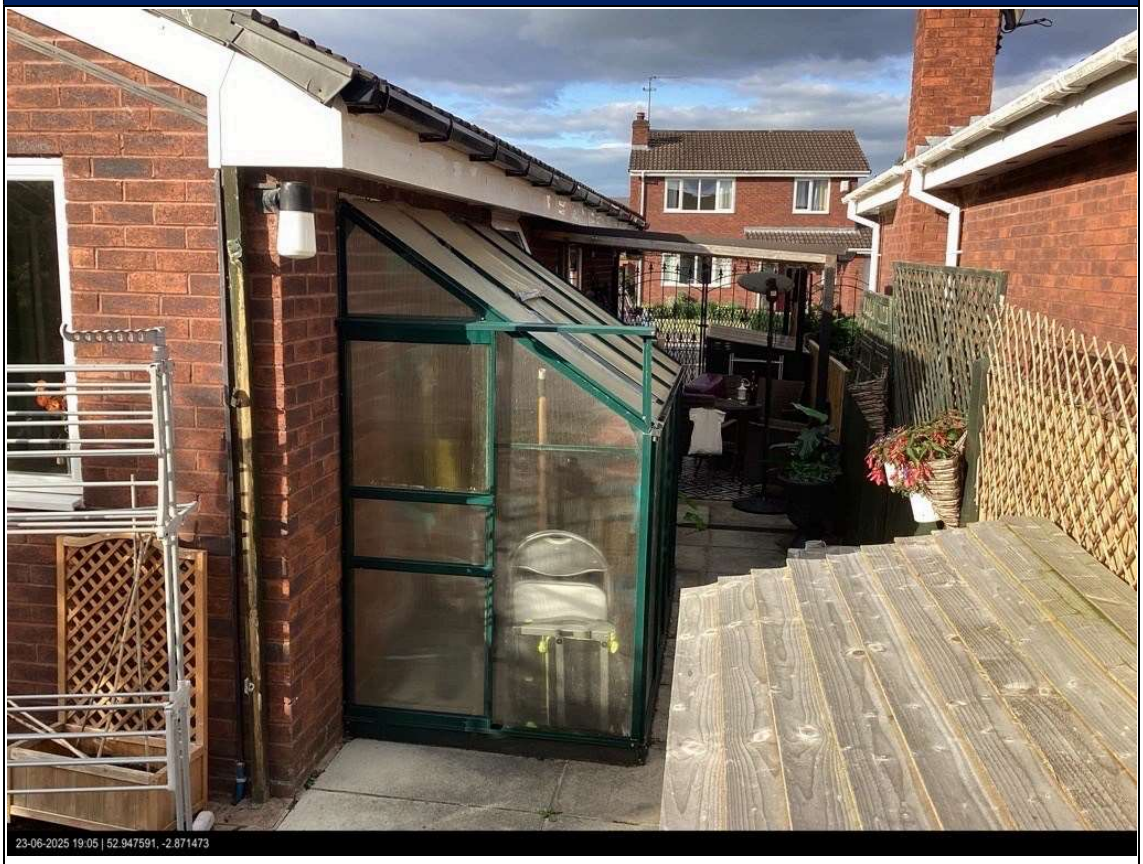
Rear elevation



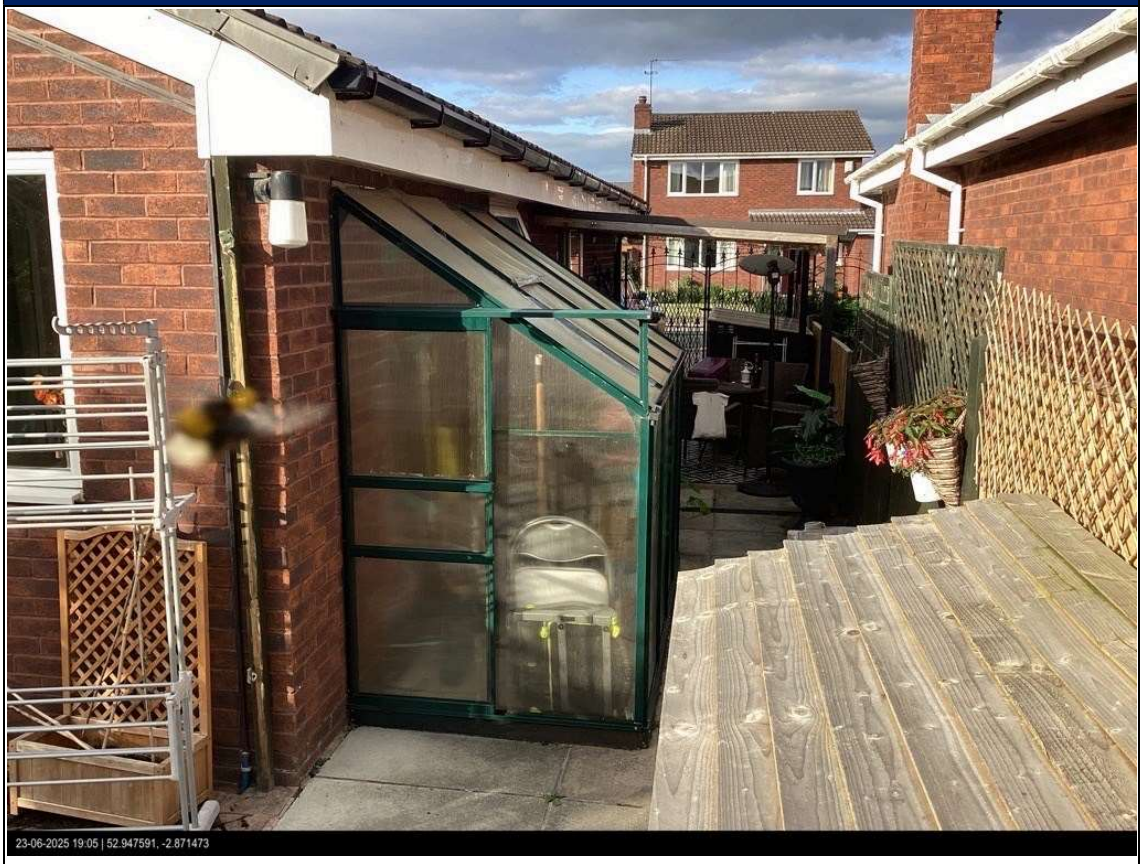
Rear elevation



Left side elevation



Left side elevation



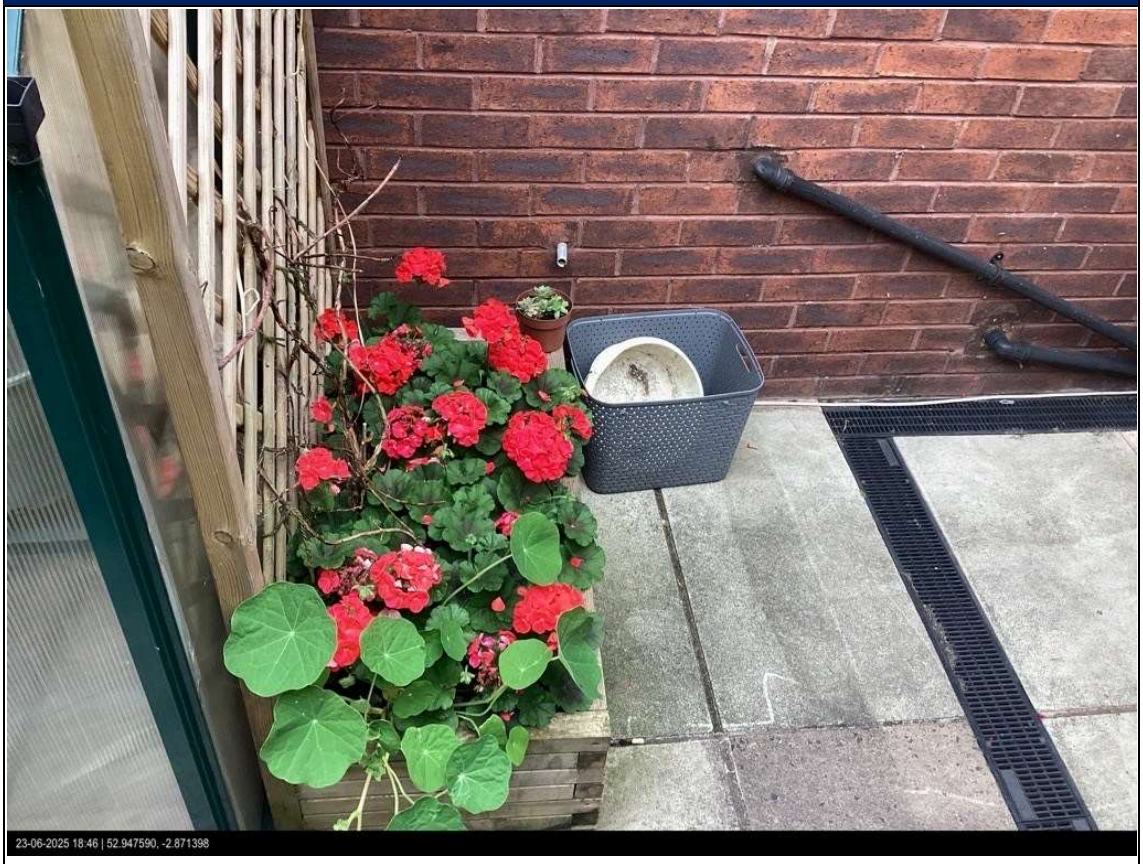
Right side elevation



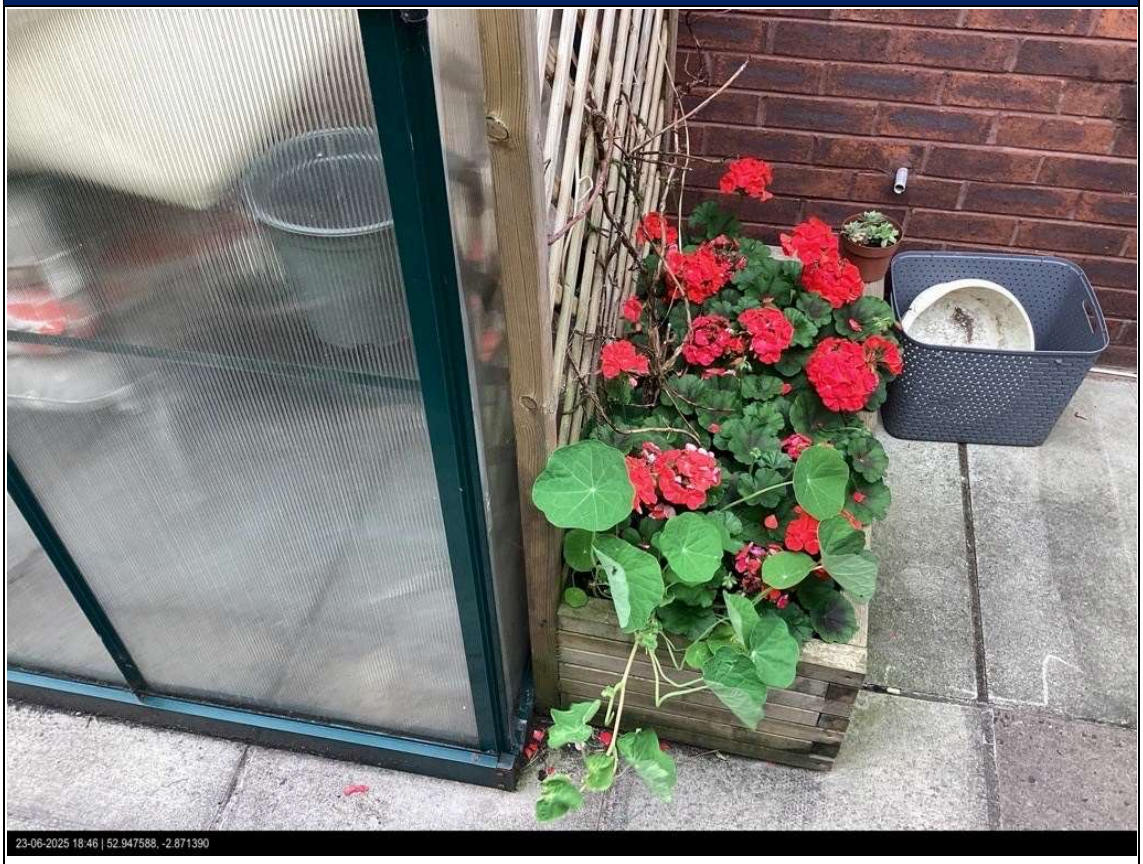
Extension elevation

Not Applicable

Ground where pump will be situated



Ground where pump will be situated



Radiators

Not Applicable

Utility Bill

Not Applicable

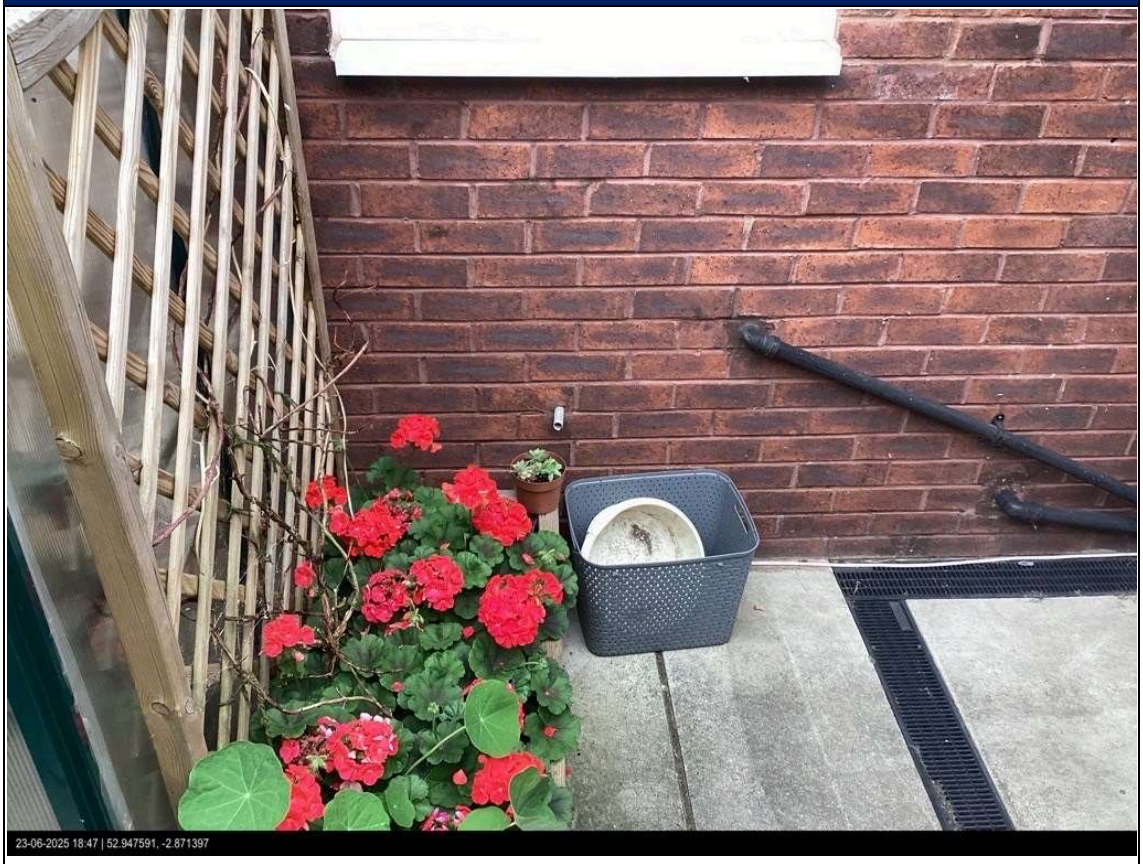
BUH Location

Not Applicable

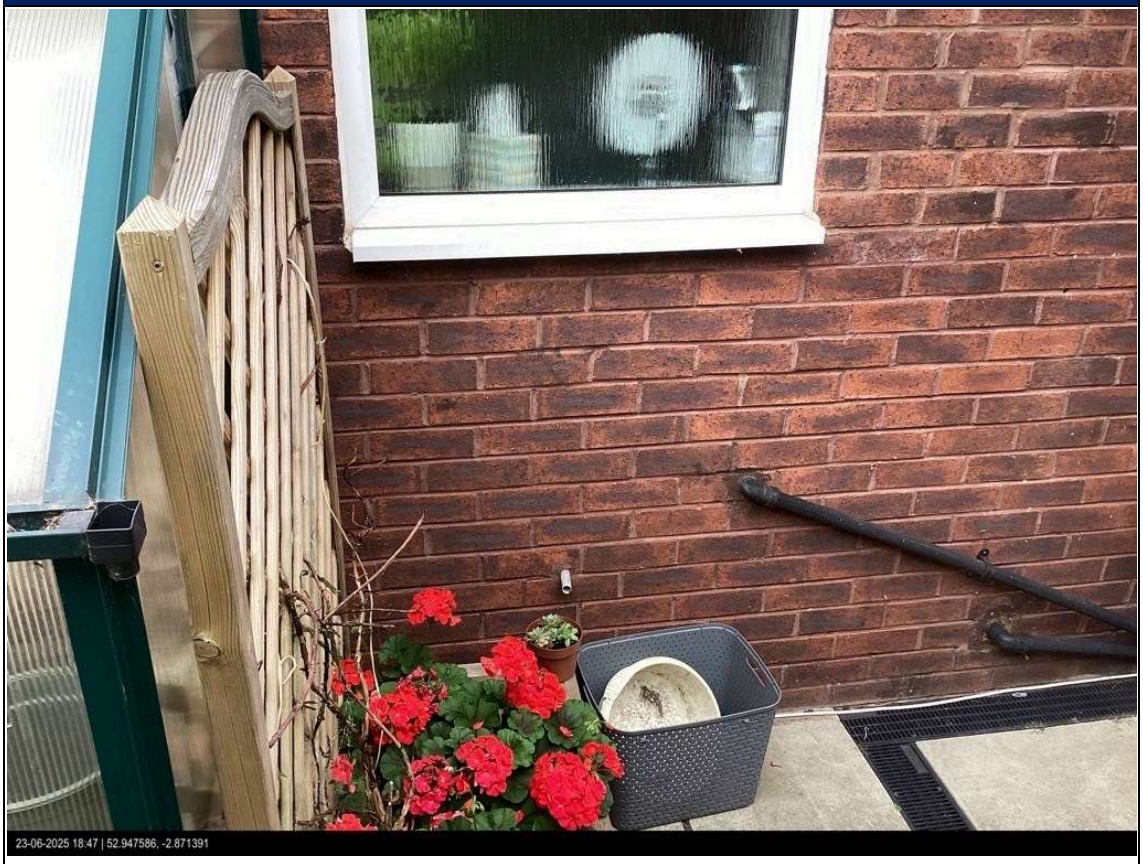
Buffer Location

Not Applicable

ASHP unit location with annotations



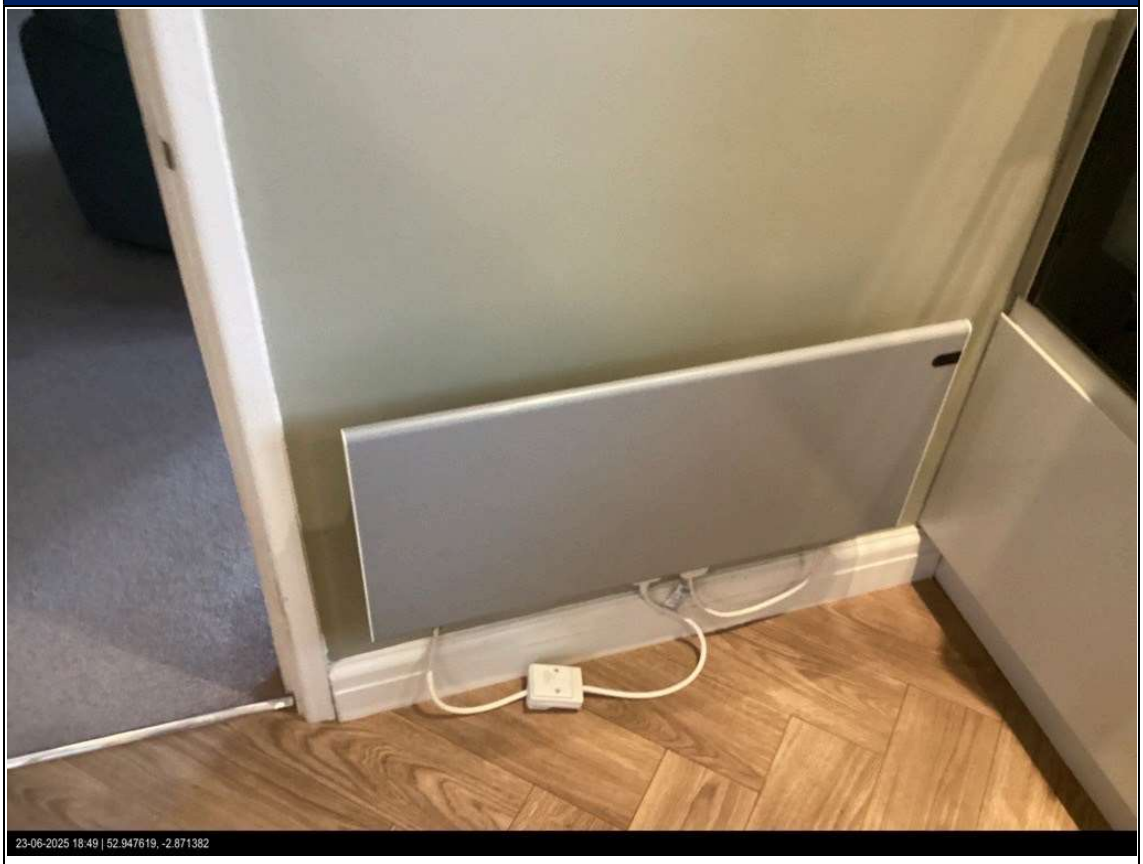
ASHP unit location and nearest neighbouring habitable window



ASHP unit and barrier location

Not Applicable

Existing pre-main heating source



Existing pre-main heating source



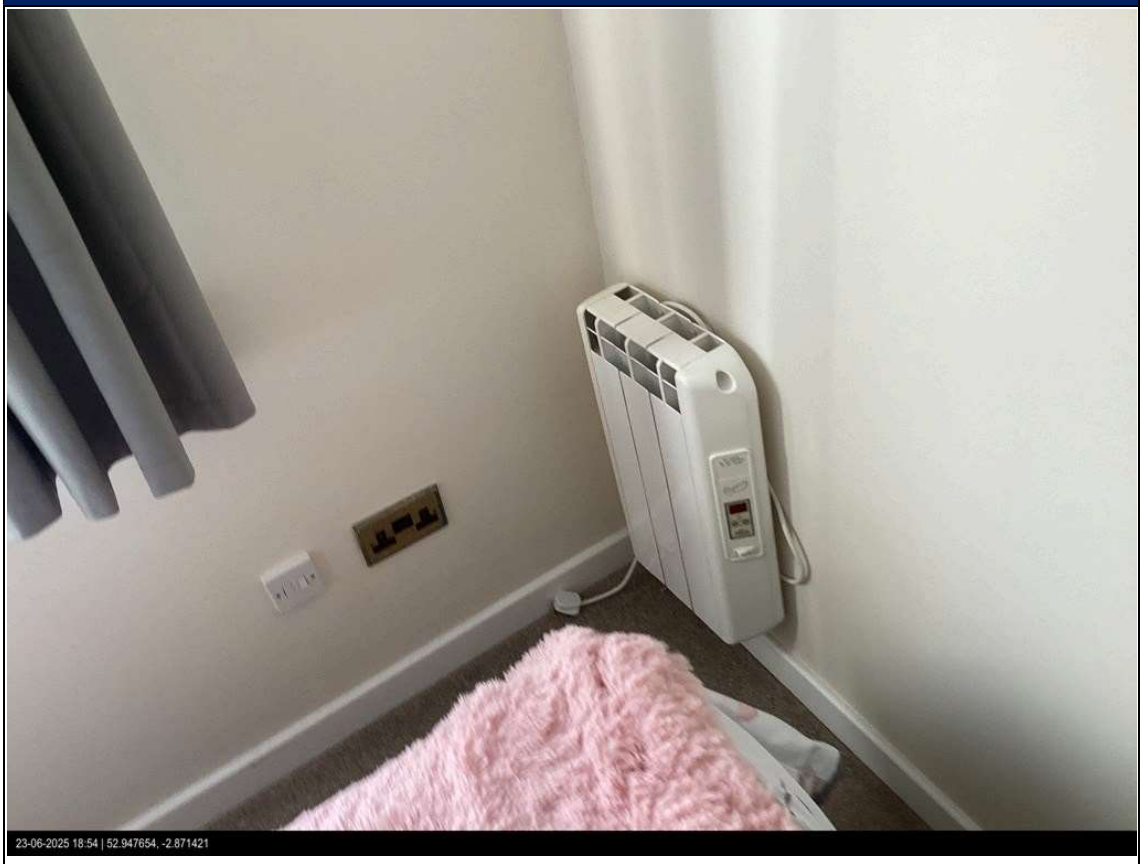
Existing pre-main heating source



Existing pre-main heating source



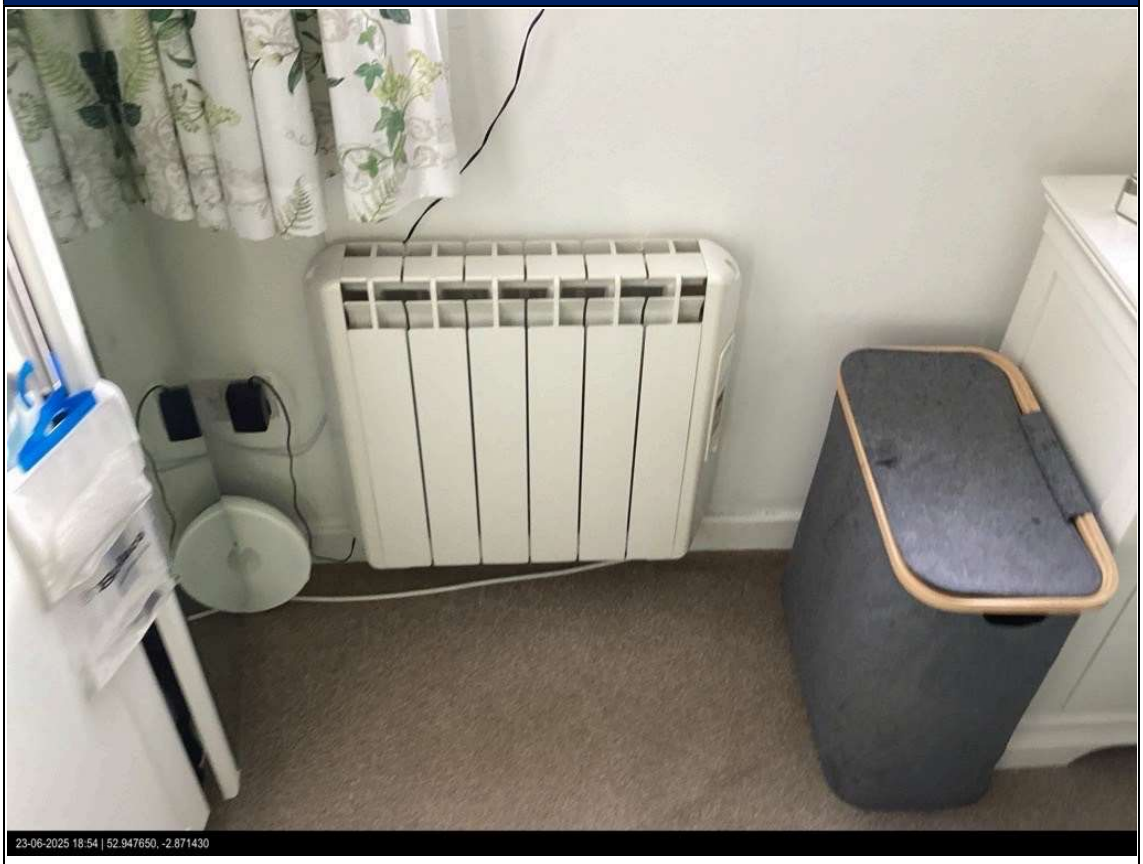
Existing pre-main heating source



Existing pre-main heating source



Existing pre-main heating source



Sketch overview of the airing cupboard and cylinder space



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Shower system



Shower system



Location for the new cylinder



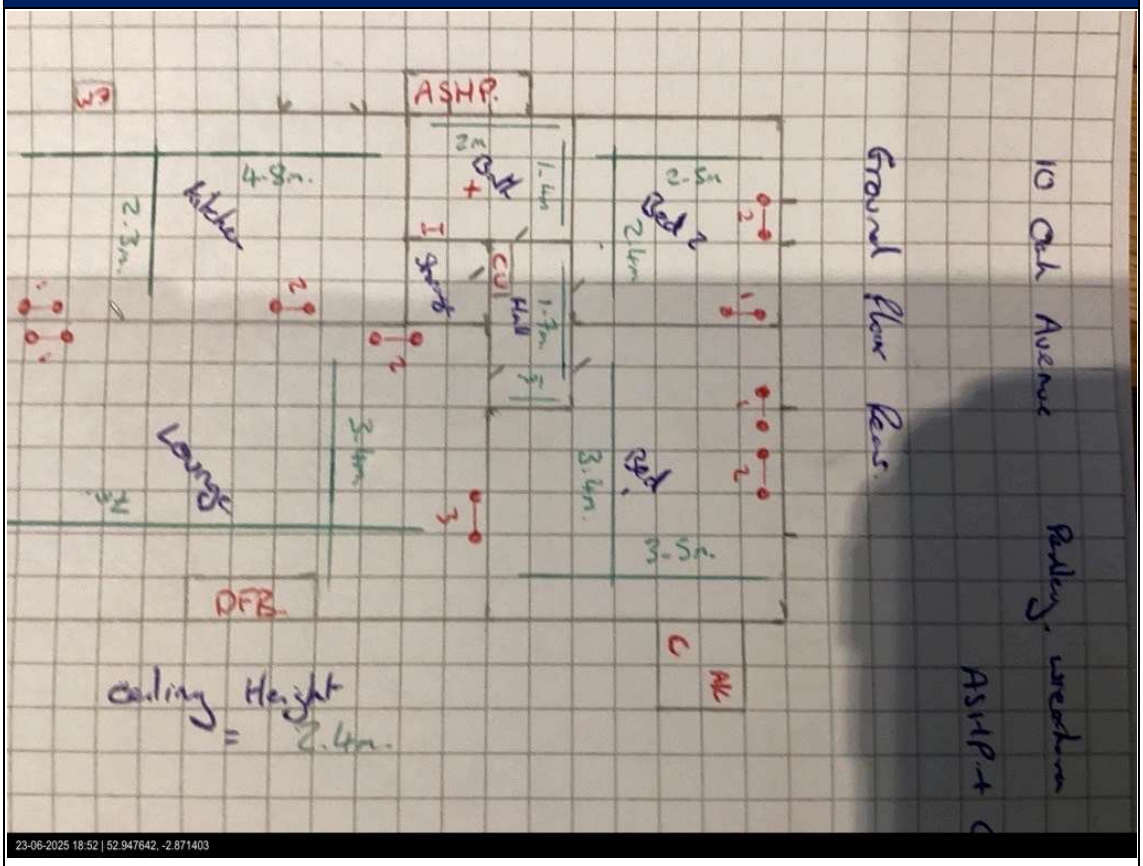
Location for the new cylinder



Location for the new cylinder



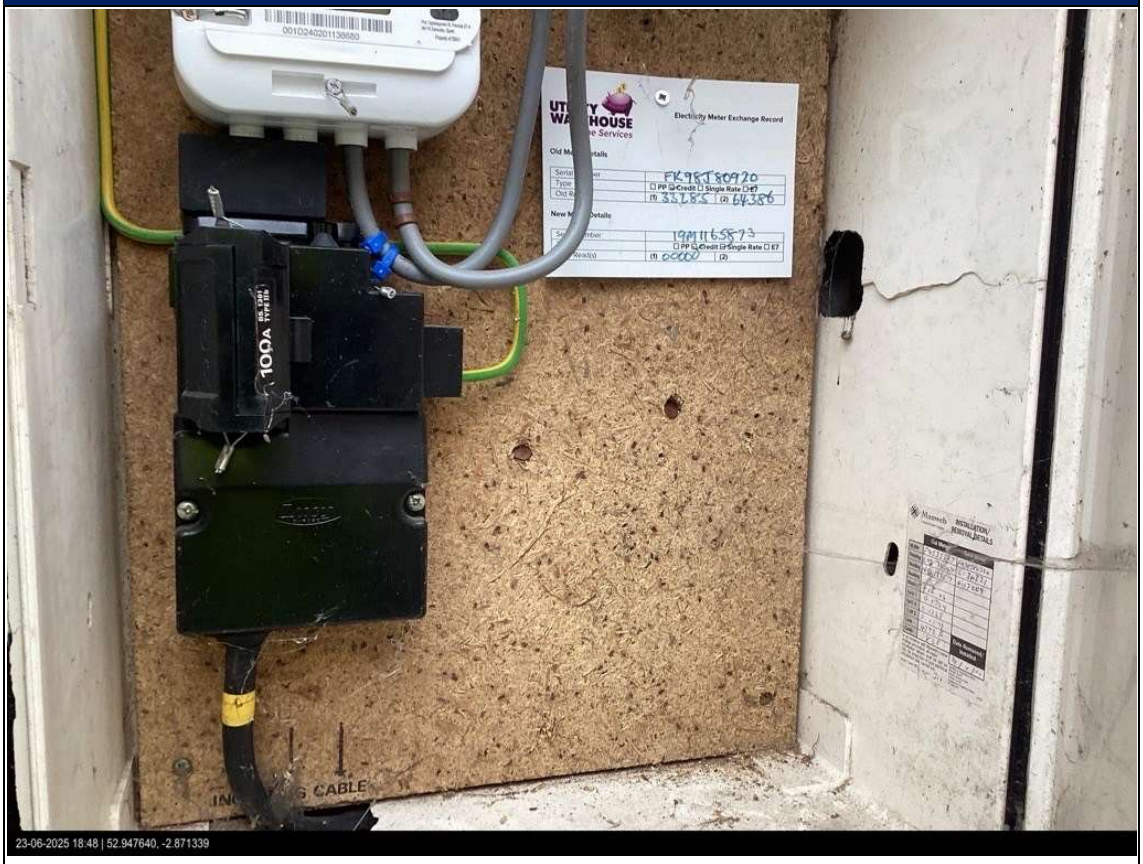
Location for the new cylinder



Fuse box location



Fuse box location



Fuse box location



Fuse box location



Fuse box location



Fuse box location



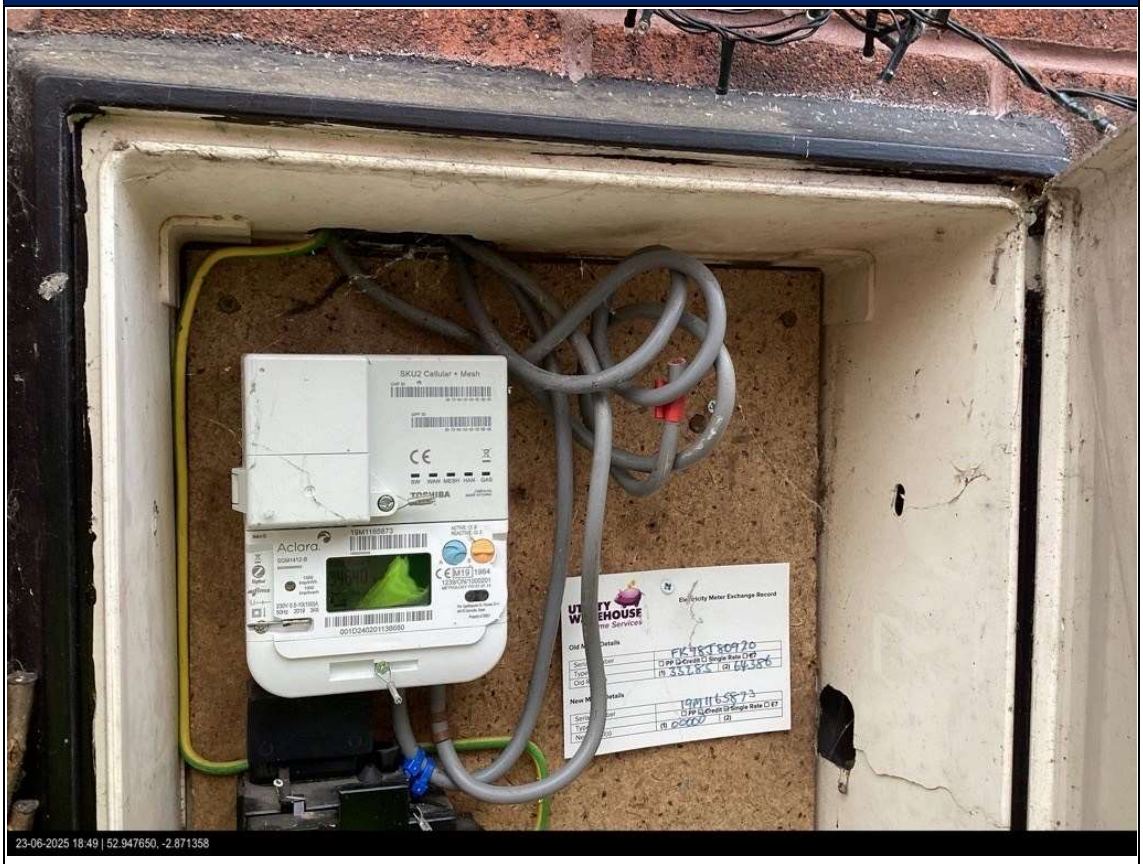
Close up of the fuse carrier, isolator, tails, and meter



Close up of the fuse carrier, isolator, tails, and meter



Close up of the fuse carrier, isolator, tails, and meter



Close up of the fuse carrier, isolator, tails, and meter



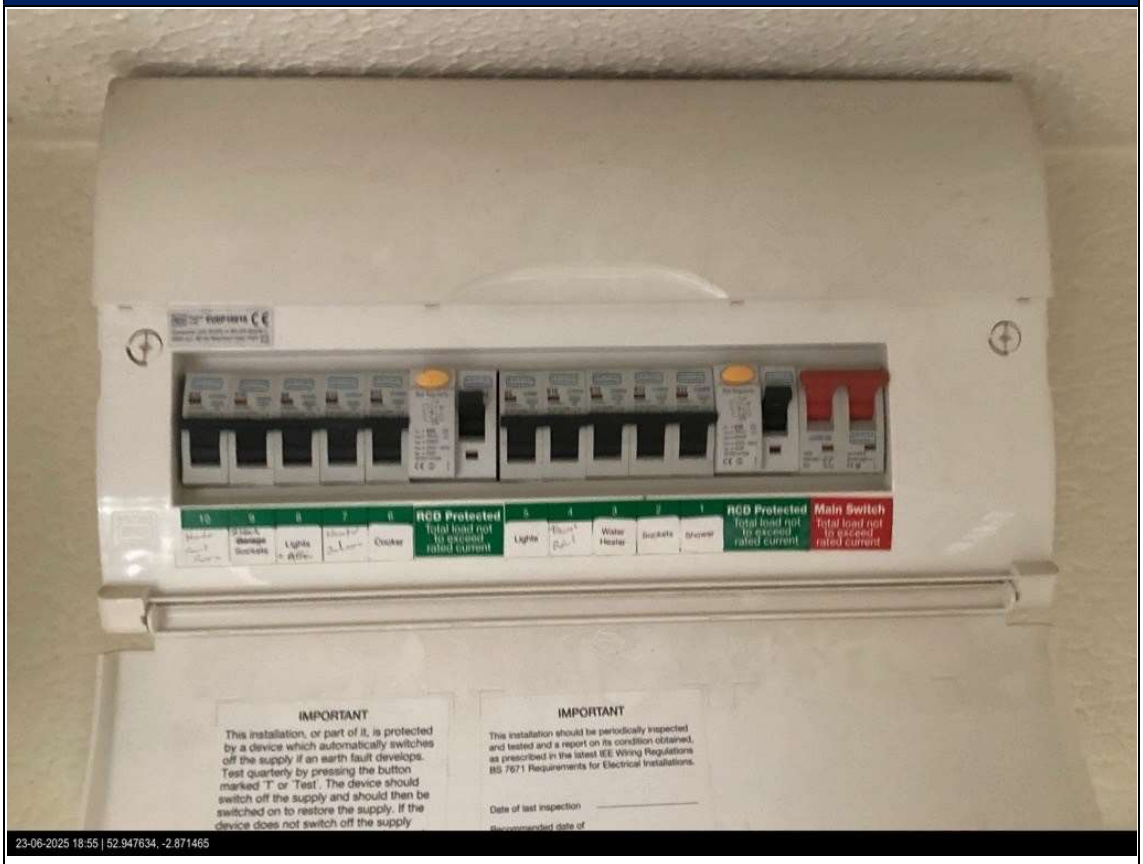
Close up of the fuse carrier, isolator, tails, and meter



Close up of the fuse carrier, isolator, tails, and meter



Close up of the fuse carrier, isolator, tails, and meter



Wall thickness



Extension Wall thickness

Not Applicable

Fireplace and its surroundings

Not Applicable

Floor Plan