

Sample Customer

Sample Address (Redacted)

HEATING SYSTEM FAULTS NOTED

 PROPERTY TYPE Enclosed Mid Terrace House	 ASHP LOCATION Under bathroom window is the only	 CYLINDER LOCATION Cupboard in en suite	 WALL CONSTRUCTION Solid Brick	 UNDERFLOOR HEATING No UFH recorded
 ELECTRICAL SUPPLY Single Phase	 FUSE BOX Cupboard at front elevation	 MAIN FUSE RATING 100A	 TOTAL ROOMS 6	 FLOORS 1
 BATHROOMS 2	 PROPERTY AGE pre-1900	 NUMBER OF WINDOWS 6	 SPARE WAYS 0	 SURVEYOR Dave Watson

POWERED BY VERTEX

Critical findings.

Highest-priority install constraints surfaced with one supporting context fact for first-pass review.

CRITICAL FINDINGS + CONTEXT

ROUTE The whole house is being renovated some...	ELECTRICAL No spare ways available	ACCESS Back gate leading onto backs	OCCUPANCY 1 occupants • Home All Day
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Property age · type · floor area · electrical supply

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Room heat loss · window sizes · emitter basis · side clearance · pipework

PROPERTY ASSESSMENT

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Total Rooms & Floor Plan

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BUILDING SYSTEMS

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Customer Declaration

Signed declaration · customer attestation

NOT INCLUDED IN THIS SURVEY

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Thermal evidence · elevations · openings · junctions

NOT INCLUDED IN THIS SURVEY

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V

Measured Survey Pack

Room evidence · system baseline · install context · technical reference

SURVEY SCOPE

V

Sections Vary By Property

Technology-specific chapters only activate when recorded and relevant on site



01

SECTION 01 / 12

PROPERTY

PROPERTY BASELINE, FABRIC, AND READINESS

PROPERTY OVERVIEW

KEY READ

Enclosed Mid Terrace House • Solid Brick • 6 rooms

PROPERTY TYPE

Enclosed Mid Terrace House

PROPERTY AGE

Pre 1900

WALL CONSTRUCTION

Solid Brick

CHAPTER

RECORDED SECTION

01 / 12



Vertex Surveys

SAMPLE DOCUMENT — DETAILS REDACTED

Property Overview

Enclosed Mid Terrace House from Pre-1900 with Solid Brick construction

HOME TYPE

**Enclosed Mid
Terrace House**

ELECTRICAL SUPPLY

**Single phase •
100A main fuse**

OCCUPANCY

**1 occupants •
Home during
daytime**

PROPERTY USE

Owner Occupied

METERING

**Single Rate •
Electric smart
meter present**

SITE CONTEXT

**Sheltered
elevation profile
recorded •
Inland context**

READINESS SNAPSHOT

Electrical supply reviewed • Outdoor siting evidenced

FABRIC & FORM

Building fabric baseline

MEASURED SCOPE

6 rooms • 1 storeys

**Enclosed Mid Terrace House from Pre-1900 with Solid Brick
construction**

6 windows recorded • Sheltered elevation profile recorded

INSULATION POSITION

**As-built wall build-up •
Cylinder insulation recorded**

OPENINGS PROFILE

6 windows recorded

AIR TIGHTNESS

**No draught proofing
recorded • No mechanical
ventilation recorded**

EXPOSURE

**Sheltered elevation profile
recorded**

COASTAL CONTEXT

Inland context

SYSTEM BASELINE

Current plant and circuit picture

Solid Fuel • No UFH recorded

No dedicated controls recorded • In cupboard • 724mm × 1830mm × 873mm basis • Single phase • 100A main fuse • No spare ways recorded

ELECTRICAL READINESS

Single phase • 100A main fuse • No spare ways recorded

CONTROLS PACKAGE

No dedicated controls recorded

CYLINDER PROVISION

In cupboard • 724mm × 1830mm × 873mm basis

CONSUMER UNIT POSITION

In cupboard at front elevation marked on Floorplan

METER TYPE

Single Rate

SMART METERING

Electric smart meter present

BILL RECORD

Bill record available

SITE READINESS

Install context and route outlook

Under bathroom window is the only place it can go recorded as the preferred outdoor unit position.

OUTDOOR UNIT POSITION

Under bathroom window is the only place it can go

6 rooms surveyed • 1 storey • 2 bathrooms

PROPERTY SCOPE

6 rooms surveyed • 1 storey • 2 bathrooms

OCCUPANCY PROFILE

1 occupants • Home during daytime

PROPERTY USE

Owner Occupied

TIME AT HOME

Home All Day

SHOWER & DEMAND

No power shower

UTILITIES CONTEXT

Bill record available

ADDITIONAL RECORDED DETAILS

2 ITEMS

RECORDED CONTEXT

Survey item jtua4n0s: 1 photo recorded • Survey item z390bvd0: Dual fuel fires in every room

SURVEY ITEM JTUA4N0S

SURVEY ITEM Z390BVD0



1 photo recorded

Dual fuel fires in every room



02

SECTION 02 / 12

HEAT LOSS

ROOM-BY-ROOM THERMAL BASELINE

HEAT LOSS TABLE

KEY READ

6 rooms with measured inputs, openings, and emitter constraints.

ROOMS

6 rooms

SECTION BASIS

Geometry • fabric • emitters

CHAPTER

RECORDED SECTION

02 / 12



Vertex Surveys

SAMPLE DOCUMENT — DETAILS REDACTED

Heat Loss Table

Core geometry, envelope, openings, and existing emitter context recorded for room-by-room load review.

ROOM	GEOMETRY AREA • HEIGHT • VOLUME	ENVELOPE FLOOR • EXPOSURE	OPENINGS WINDOWS • DOORS	EXISTING EMITTER RADIATOR • UFH	EXISTING CIRCUIT PIPEWORK • FIT
Kitchen R1 GROUND	CEILING HEIGHT 2.70m	FLOOR BUILD-UP Laminate	1000MM × 1200MM South West • Timber Doors: 1 door • 2100 × 900	No emitter recorded	—
Living Room R2 GROUND	CEILING HEIGHT 2.70m	FLOOR BUILD-UP Carpet	900MM × 2700MM East • Timber	No emitter recorded	—
Bathroom R3 GROUND	CEILING HEIGHT 2.70m	FLOOR BUILD-UP Suspended Timber	600MM × 1200MM East • Timber	No emitter recorded	—
Bedroom 1 R4 GROUND	CEILING HEIGHT 2.70m	FLOOR BUILD-UP Wood	1000MM × 1200MM West • Timber	No emitter recorded	—
Bedroom 2 R5 GROUND	CEILING HEIGHT 2.70m	FLOOR BUILD-UP Carpet	1000MM × 1200MM North East • Timber	No emitter recorded	—
En-suite Bathroom R6 GROUND	CEILING HEIGHT Sloping 2.00m - 2.70m	FLOOR BUILD-UP Wood	700MM × 1000MM East • Timber	No emitter recorded	—

03

SECTION 03 / 12

FLOOR PLAN

MEASURED LAYOUT AND ROOM SEQUENCE

TOTAL ROOMS & FLOOR PLAN

KEY READ

6 rooms • Ground • measured layout and placement record

SURVEYED ROOMS

6 rooms

FLOORS

1 floor

CHAPTER

RECORDED SECTION

03 / 12



Vertex Surveys

SAMPLE DOCUMENT — DETAILS REDACTED



04

SECTION 04 / 12

HEATING

HEATING BASELINE AND EMITTER RECORD

HEATING SYSTEMS & RADIATORS

KEY READ

Solid Fuel • system note: no

CURRENT HEATING

Solid Fuel

CHAPTER

RECORDED SECTION

04 / 12



Vertex Surveys

SAMPLE DOCUMENT — DETAILS REDACTED

SYSTEM BRIEF

RADIATORS: 0

Current Heating Baseline

Current plant, controls, emitters, and hot-water context consolidated for replacement design.

CONTROLS PACKAGE

No dedicated controls

HOT-WATER SETUP

Main heating system • In cupboard

TECHNICAL SNAPSHOT

FUEL

Solid Fuel

HOT WATER SOURCE

Main heating system

SECONDARY HEAT SOURCE

No

WET HEATING CIRCUIT

No wet heating circuit

DESIGN CONDITIONS

UNDERFLOOR HEATING

No UFH

ONE-PIPE CIRCUIT

No one-pipe circuit

MULTIPLE BOILERS / STATS

Single control system

NO WET SYSTEM NOTES

Mrs says there was a wet system but all pipework above floorboards has been removed

CYLINDER & ACCESS

CYLINDER LOCATION

In cupboard

CYLINDER SIZE

724mm × 1830mm × 873mm

CYLINDER INSULATION

Insulation recorded

CYLINDER ROUTE

In cupboard

DESIGN WATCHPOINTS

1

Cylinder route note: In cupboard.

2

Fault note: No.

SHOWER & DEMAND

Hot-water draw assumptions and shower dependencies surfaced before cylinder sizing and emitter design.

HOT-WATER DEMAND

POWER SHOWER

No power shower

HOT-WATER SOURCE

Main heating system



REPLACEMENT HANDOFF

The retained system picture below gives the designer the shortest path from survey evidence to replacement strategy.

SURVEY
BASELINE

CONTROLS BASIS
No dedicated controls

CYLINDER ROUTE
In cupboard

05

SECTION 05 / 12

ELECTRICAL

SUPPLY CAPACITY AND BOARD POSITION

ELECTRICAL SYSTEMS

KEY READ

Single Phase • 100A • In cupboard at front elevation marked on Floorplan consumer unit • No spare ways

ELECTRICAL SUPPLY

Single Phase

MAIN FUSE

100A

BOARD POSITION

cupboard at front elevation marked on Floorplan • No spare ways

CHAPTER

RECORDED SECTION

05 / 12



Vertex Surveys

SAMPLE DOCUMENT — DETAILS REDACTED

ELECTRICAL BASELINE

Supply, board, and service access

Single phase supply • 100A main fuse • Single Rate • In cupboard at front elevation marked on Floorplan consumer unit

SUPPLY

Single phase

MAIN FUSE

100A

AVAILABLE WAYS

No spare ways

CONSUMER UNIT

In cupboard at front elevation marked on Floorplan

BOARD REVIEW REQUIRED

Electrical capacity review required

Single phase and 100A are in place, but the consumer unit has no spare ways. Allow for electrician review before final electrical scope is fixed.

SINGLE PHASE

100A

NO SPARE WAYS

IN CUPBOARD AT FRONT ELEVATION MARKED ON FLOORPLAN

RECORDED SERVICE POINTS

CONSUMER UNIT

In cupboard at front elevation marked on Floorplan

METER ACCESS

Accessible

METER TYPE

Single Rate

INSTALL-DAY ELECTRICAL READ

Single phase and 100A are in place, but the consumer unit has no spare ways. Allow for electrician review before final electrical scope is fixed.

**BOARD
SNAPSHOT**

SUPPLY BASIS

Single phase

FUSE HEAD

100A

BOARD CAPACITY

No spare ways

BOARD LOCATION

In cupboard at front elevation marked on Floorplan



06

LOFT ACCESS AND INSULATION RECORD

LOFT ASSESSMENT

CHAPTER

RECORDED SECTION

06 / 12



Vertex Surveys

SAMPLE DOCUMENT — DETAILS REDACTED

LOFT ROUTE RECORD

INSULATION

Pitched - insulated



07

SECTION 07 / 12

ASHP

OUTDOOR UNIT SITING AND CLEARANCE

ASHP LOCATION

KEY READ

Under bathroom window is the only place it can go • ground-mounted siting • gates • boundary 10m

PREFERRED POSITION

under bathroom window is the only place it can go

ACCESS ROUTE

gates

BOUNDARY CLEARANCE

10m

CHAPTER

RECORDED SECTION

07 / 12



Vertex Surveys

SAMPLE DOCUMENT — DETAILS REDACTED

ASHP LOCATION 1

Under bathroom window is the only place it can go

SITING RECOMMENDATION

Under bathroom window is the only place it can go

Under bathroom window is the only place it can go is the preferred outdoor unit position. Ground-mounted base on concrete surface. Gates governs delivery and final placement.

MOUNTING
Ground-mounted base

ACCESS
Gates

DRAINAGE
Drain Connection

EVIDENCE
0 photos

SITING BASIS

PREFERRED POSITION

Under bathroom window is the only place it can go

MOUNTING BASIS

Ground-mounted base

BASE SURFACE

Concrete surface

ACCESS ROUTE

Gates

BOUNDARY CLEARANCE

10m

DRAINAGE

Drain Connection drainage

INSTALL RECORD

ACCESS & DELIVERY

Gates

CLEARANCE

10m boundary clearance • Wall

BASE & SERVICES

Concrete surface • Drain Connection drainage

SITE NOTE

The whole house is being renovated some walls are back to brick

SITING HANDOFF

OUTDOOR
UNIT

This is the quickest install-day read of where the outdoor unit wants to sit and what is most likely to constrain it.

PREFERRED SITING

Under bathroom window is the only place it can go

DELIVERY ROUTE

Gates

NEAREST BOUNDARY

10m

DRAINAGE PATH

Drain Connection drainage

RECORDED DISTANCES

Nearest boundary	10m
Consumer unit	10m



08

SECTION 08 / 12

CYLINDER

CYLINDER POSITION AND FIT PLANNING

CYLINDER LOCATION

KEY READ

In cupboard in en suite • in cupboard

PREFERRED POSITION

In cupboard in en suite

FIT HEIGHT

1883 mm

FIT NOTE

In cupboard

CHAPTER

RECORDED SECTION

08 / 12



Vertex Surveys

SAMPLE DOCUMENT — DETAILS REDACTED

STORAGE SUMMARY

In cupboard in en suite
cylinder fit review

In cupboard

CURRENT

In cupboard

PREFERRED FIT

In cupboard in
en suite

FIT HEIGHT

1883 mm

CYLINDER SIZE

724mm ×
1830mm ×
873mm

CYLINDER LOCATION

In cupboard

CYLINDER TYPE

Unvented Cylinder

CYLINDER INSULATION

Insulation recorded

ADDITIONAL RECORDED DETAILS

1 ITEM

CYLINDER LOCATION

En suite

FIT BASIS

FIT ENVELOPE

734mm × 1883mm × 850mm

WIDTH

734 mm

DEPTH

850 mm

ENTRANCE HEIGHT

1786 mm

ENTRANCE WIDTH

590 mm

LOCATION BASIS

✓ New position proposed



10

SECTION 10 / 12

EPC / BILLS

EPC BASELINE AND UTILITY CONTEXT

EPC & ENERGY BILLS

KEY READ

Bill record available • 6 windows

BILL RECORD

Available

CHAPTER

RECORDED SECTION

10 / 12



Vertex Surveys

SAMPLE DOCUMENT — DETAILS REDACTED

ENERGY BASELINE & MEASURED AREAS

MEASURED FLOOR AREA
0.00 m²

HEATED AREA
0.00 m²

PROPERTY TYPE
House

PROPERTY AGE
Pre-1900

WALL CONSTRUCTION
Solid Brick

FLOOR CONSTRUCTION
Suspended Timber

ENERGY CONTEXT

ENERGY BILL
Bill record available

SURVEY SNAPSHOT

HABITABLE AREA
0.00 m²

EPC REFERENCE PLAN

PlanUp EPC floor plan not available for this property

MEASURED FLOOR AREAS

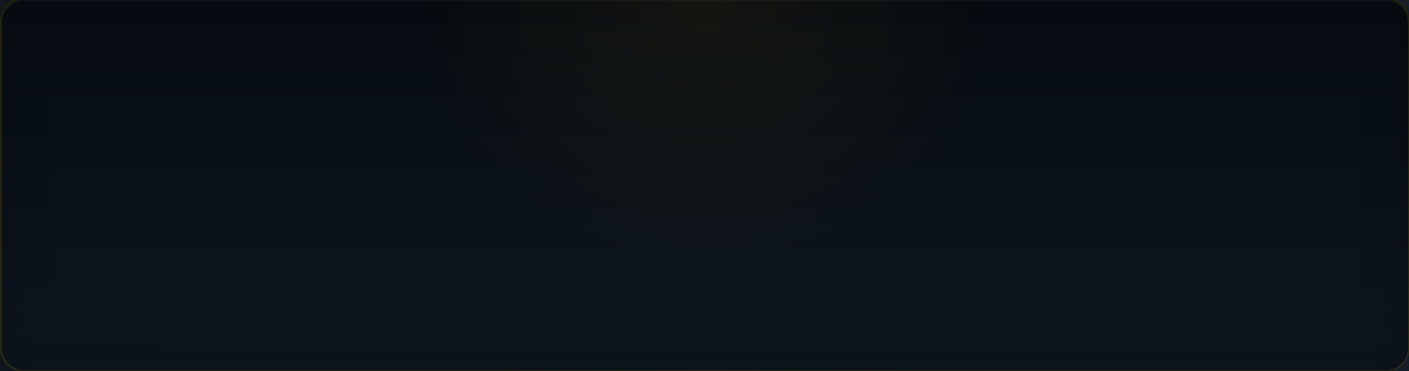
Floor area data not available for this property



Recorded window details

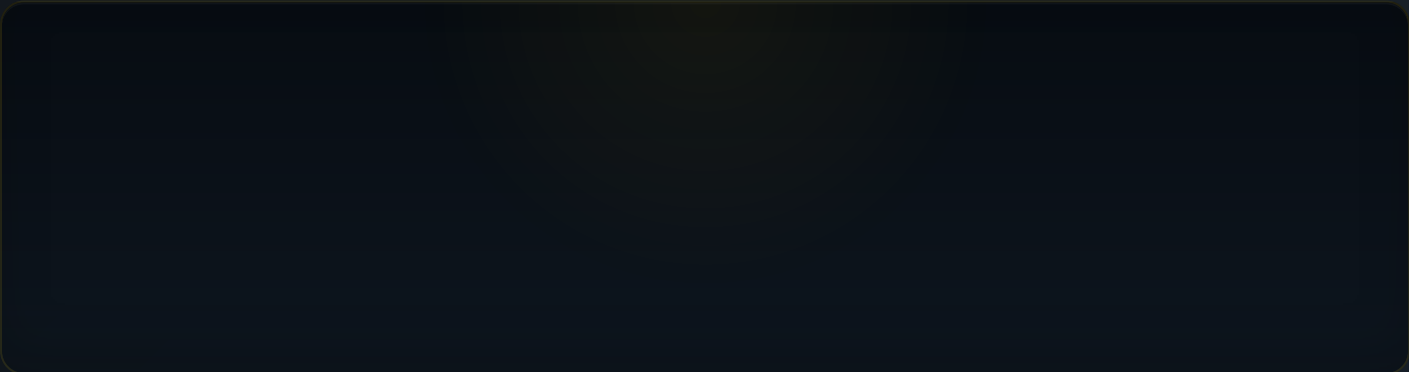
Opening sizes, glazing, and room context.

6 IMAGES



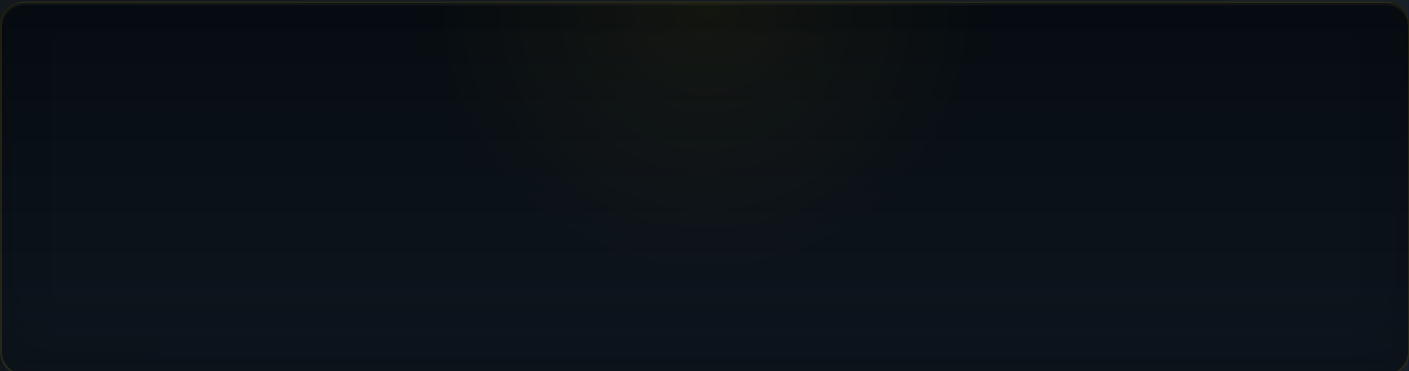
1000mm × 1200mm
Room: Kitchen • Orientation: South West • Unknown

WINDOW 1



900mm × 2700mm
Room: Living Room • Orientation: East • Unknown

WINDOW 2



600mm × 1200mm
Room: Bathroom • Orientation: East • Unknown

WINDOW 3

1000mm × 1200mm

Room: Bedroom 1 • Orientation: West • Unknown

WINDOW 4

1000mm × 1200mm

Room: Bedroom 2 • Orientation: North East • Unknown

WINDOW 5

700mm × 1000mm

Room: En-suite Bathroom • Orientation: East • Unknown

WINDOW 6



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SECTION 11 / 12

PHOTOS

SUPPORTING CONTEXT AND FINISH REFERENCE

PHOTO DOCUMENTATION

SITE CONTEXT

0 images

ACCESS ROUTE

0 images

FINISH REFERENCE

0 images

CHAPTER

RECORDED SECTION

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Vertex Surveys

SAMPLE DOCUMENT — DETAILS REDACTED

PHOTO DOCUMENTATION

Supporting survey imagery for Sample Address (Redacted) has already been incorporated into the earlier technical sections of this report.

Any remaining contextual photography will appear here when external context, access route, or finish reference images are recorded.



12

INSTALL-DAY ROUTE AND INTERFACE BRIEF

INSTALLATION REFERENCE

KEY READ

Consumer unit in cupboard at front elevation marked on Floorplan • Outdoor-unit access gates • Cylinder in cupboard in en suite

CONSUMER UNIT

in cupboard at front elevation marked on Floorplan

OUTDOOR-UNIT ACCESS

gates

CYLINDER

in cupboard in en suite

Install-day positions, routes, and interface checks

ELECTRICAL INTERFACE

Single phase • 100A • no spare ways

OUTDOOR UNIT SITING

Under bathroom window is the only place it can go

CYLINDER POSITION

In cupboard in en suite

ROUTE OUTLOOK

ELECTRICAL ROUTE BASIS

In cupboard at front elevation marked on Floorplan

HYDRAULIC ROUTE BASIS

From under bathroom window is the only place it can go to in cupboard in en suite

DELIVERY ROUTE

Gates

CRITICAL WATCHPOINTS

1

No spare ways. Final circuit allocation needs confirming.

2

Outdoor-unit delivery relies on gates.

3

Loft cylinder proposal needs lift-path and clearance confirmation.

SITING AND SERVICE CONTEXT

ASHP MOUNTING

Ground-mounted

GROUND CONDITION

Concrete

DRAINAGE

Drain Connection

BOUNDARY CLEARANCE

10 m

POWER SHOWER

No power shower

RECORDED SURVEY NOTES

Access: Back gate leading onto backs

RECORDED SITE REFERENCE

CONSUMER UNIT

In cupboard at front elevation marked on Floorplan

OUTDOOR UNIT SITING

Under bathroom window is the only place it can go

CYLINDER POSITION

In cupboard in en suite

PROPERTY TYPE

House

WALL CONSTRUCTION

Solid Brick

