

AREA SCHEDULE

WDQR 2021 Area Requirements
6 Person 4 Bed House: 110m²

WDQR 2021 General Storage Requirements
2 Person 1 Bed Walk-Up: 3m²

GF
Store 1 0.97m²

FF
Store 2 0.81m²
A/C 1.22m²
Total: 3.00m²

PLAN
MEP & PLANT PROVISIONS

Information presented indicatively for coordination with all - including manufacturer & model specification - TBC by relevant specialist consultant / subcontractor. All revisions to the plant specification must be reported for coordination.

CONSTRUCTIONS

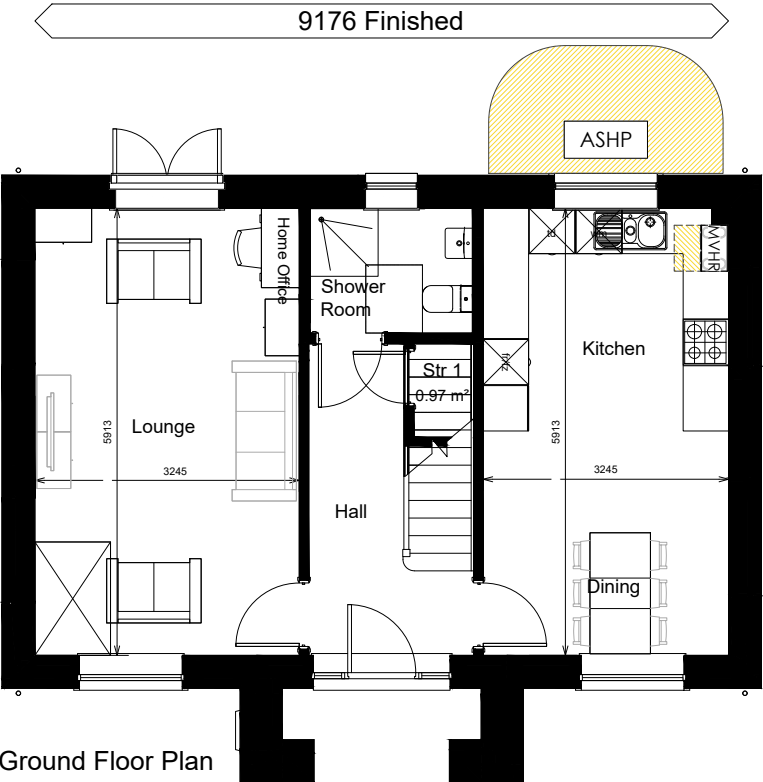
External walls 413mm
Internal walls 120mm
Intermediate floors 400mm

Constructional thicknesses are indicative only & must be coordinated with fabric requirements for acoustic, fire & thermal performances on a site-by-site basis. All TBC by the constructional preferences of the appointed contractor.

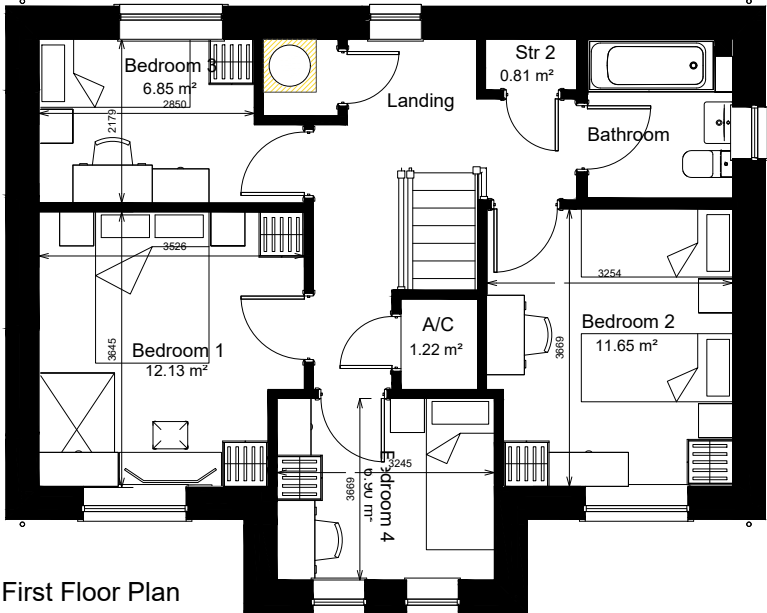
COMMENTARY

Layouts successfully integrate low carbon plant without compromising spatial or storage requirements.

MVHR units & hot water cylinders could be installed above counter height to accommodate additional storage below, pending coordination of heating & ventilation infrastructure. ASHPs could move to blank gable (current party wall) if HT used as detached unit, pending site layout & landscaping.



Ground Floor Plan



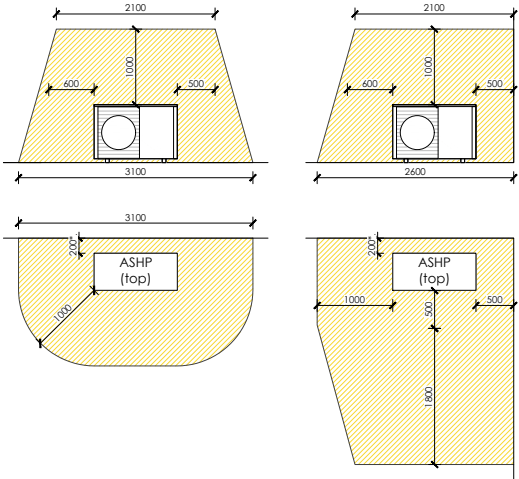
First Floor Plan

LOW CARBON PLANT

Dimensions denote minimum installation & maintenance clearances, extrapolated to hatchet areas. All as defined by manufacturer's requiremen refer to product literature for specifics.

ASHP

ASHP
Vaillant aroTHERM plus 3.5 / 5 / 7kW
dimensions: 765 / 965x1100x490mm (hwd)
Vaillant aroTHERM plus 3.5kW: HT 211
Vaillant aroTHERM plus 5kW: HT 421 & HT 531
Vaillant aroTHERM plus 7kW: HT 641



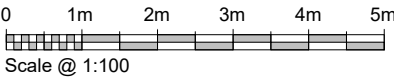
*Clearance for heating only: +50mm if ASHP provides cooling.

MVHR

MVHR
Nuair MRXBOX-ECO2
dimensions: 504x607x357mm (hwd)
Volume flow: 40-324m³/h
Heat recovery: 83.0%* at 225m³/h
N.B. Maintenance clearances to be coordinated with Nuair prior to installation.

Hot Water Cylinder HT 642

Mixergy cylinder 150 / 210L
dimensions: 1255 / 1585x545mm (hd)
Mixergy 150L for HT 211
Mixergy 210L for HT 421



Scale @ 1:100

A1

Original sheet size				
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Client: Bluefield Land		Project: Cwmgors Ammanford		Drawing Title: HT 642 Floor Plans	
Drawing Status: CONCEPT DESIGN	Date: Jan 2024	Drawn By: Checked: Director: Scale: 1:50@A1	Job No: 2625	Drawing No: 642(02)200	Rev. Unit 2 Chapel Barns Merthyr Mawr Bridgend CF32 0LS t: 01656 656267 e:mail@spring-consultancy.co.uk

