

AREA SCHEDULE

WDQR 2021 Area Requirements		
2 Person 1 Bed Walk-up:		53.0m²
GF Flat		50.1m²
FF Flat		58.4m²
Averaged GIA:		54.3m²

WDQR 2021 General Storage Requirements		
2 Person 1 Bed Walk-Up:		1.5m²

GF		
Airing Cupboard (AC)		0.5m²
Store		1.8m²
Total:		2.3m²

FF		
Airing Cupboard (AC)		0.7m²
Store		1.0m²
Total:		1.7m²

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.

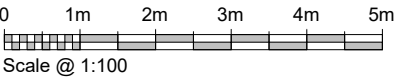
COMMENTARY

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.



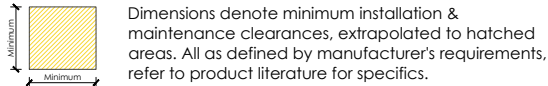
First Floor Plan



A1
Original sheet size

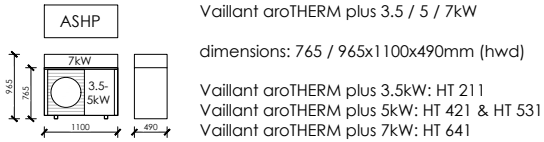
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Rev Date	By	CHK	Description	

LOW CARBON PLANT

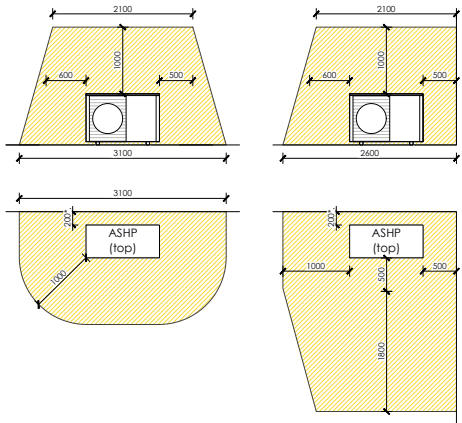


Dimensions denote minimum installation & maintenance clearances, extrapolated to hatched areas. All as defined by manufacturer's requirements, refer to product literature for specifics.

ASHP

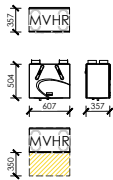


Vaillant aroTHERM plus 3.5 / 5 / 7kW
dimensions: 765 / 965x1100x490mm (hwd)
Vaillant aroTHERM plus 3.5kW: HT 211
Vaillant aroTHERM plus 5kW: HT 421 & HT 531
Vaillant aroTHERM plus 7kW: HT 641



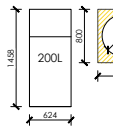
*Clearance for heating only; +50mm if ASHP provides cooling.

MVHR



Nuaire 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 Nuaire prior to installation.

ASHP + Cylinder HT 211



Vaillant aroSTOR heat pump + cylinder 200L
dimensions: 1458x624mm (hd)
N.B. Lateral clearances of installation to be coordinated with Vaillant prior to installation.

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Client: Bluefield Land		Project: Cwmgor Ammanford		Drawing Title: HT 211 Floor Plans FF	
Drawing Status: CONCEPT DESIGN	Date: Jan 2024	Drawn By: Checked: Director:	Scale: 1:50@A1	Job No: 2625	Drawing No: 211(02)203
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