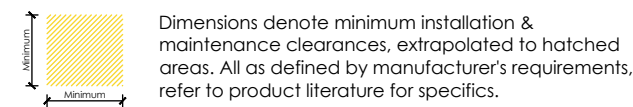
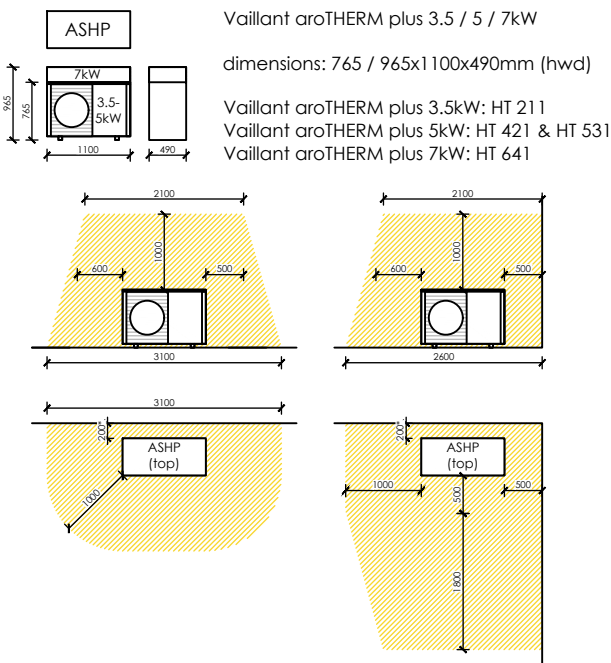


LOW CARBON PLANT

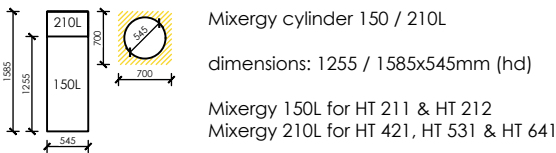


ASHP

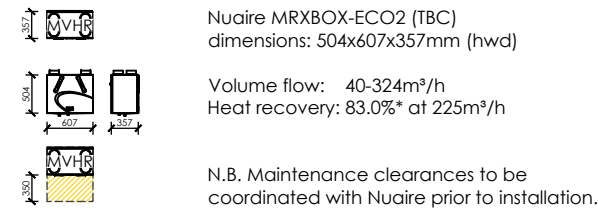


*Clearance for heating only: +50mm if ASHP provides cooling.

Hot Water Cylinder



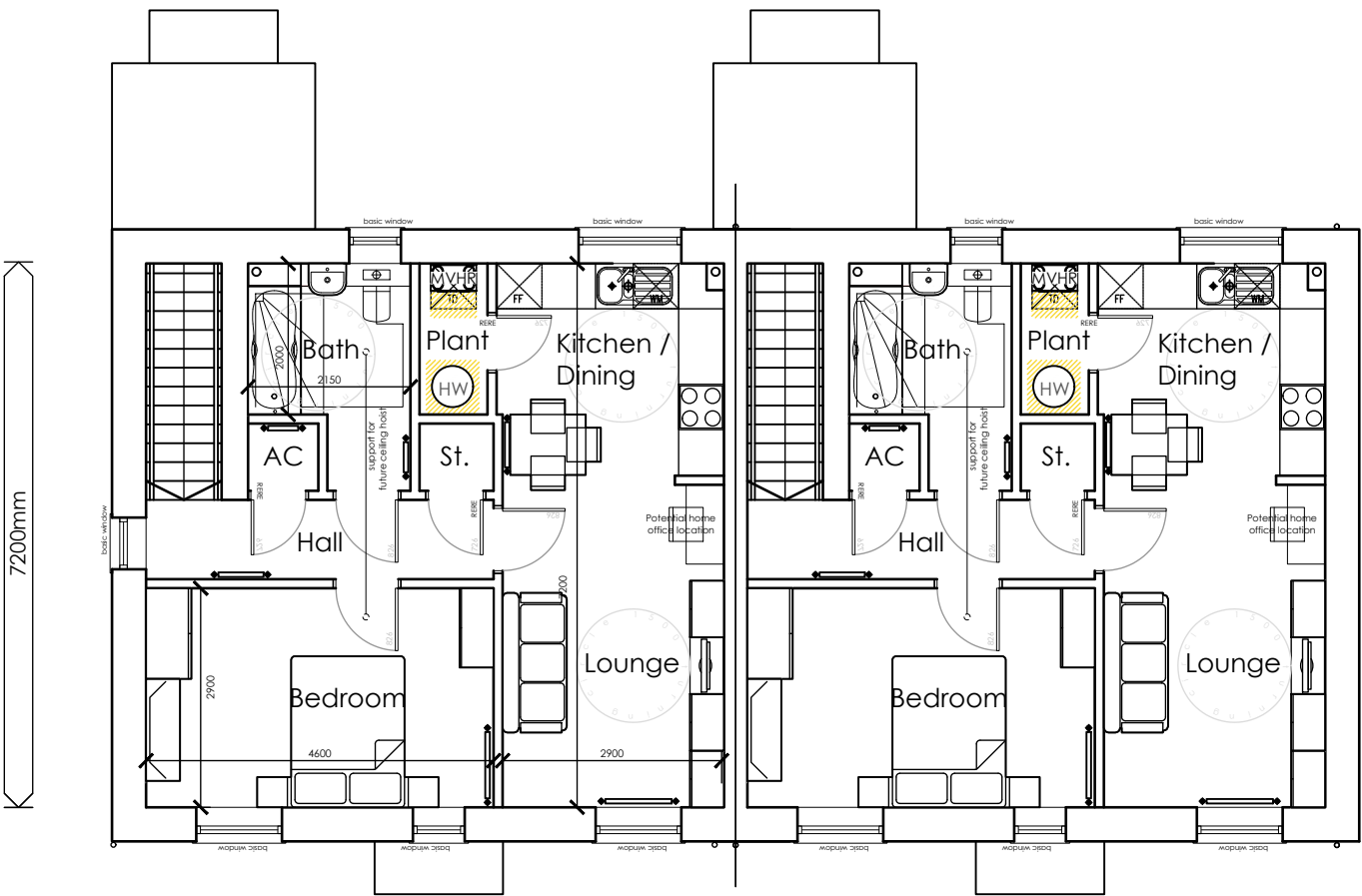
MVHR



Battery Storage

Further discussion is required to consider the impact of PAS 63100 : 2024, which effectively precludes the indoor installation of storage batteries.

Note: 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.



First Floor Flat GIA: 57.43 sq.m

WDQR21 CRITICAL DIMENSIONS:

Double Bedroom Area: 13.34 sq.m

ASSUMED CONSTRUCTIONS

External walls	451mm
Internal walls	120mm
Intermediate floors	300mm

NB: The currently assumed external wall thickness of 451mm requires the use of PIR or similar petrochemical insulants in order to achieve the fabric u-value requirements of WDQR 2021 & revised AD: L (Wales) 2022 that are necessary for delivery of demand-based energy standards.

Increasing the allowance for external wall thickness to a notional 500mm would facilitate both the specification of natural/non-flammable insulation and closer alignment with Delivering Net Zero.

STORAGE

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

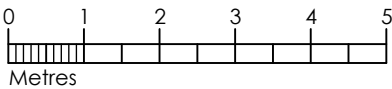
GF	
Airing Cupboard (AC)	1.12m²
Store	0.52m²
Total:	1.64m²

FF	
Airing Cupboard (AC)	0.83m²
Store	0.87m²
Total:	1.70m²

FLOOR AREA

WDQR 2021 Area Requirements
2 Person 1 Bed Walk-up Flat: 53m²

GF Flat	50.38m²
FF Flat	57.43m²
Averaged GIA:	53.91m²



A3
Original sheet size

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Rev	Date	By	CHK	Description

Client:	Project:	Drawing Title:
Hedyn	Midway Lane	First Floor Plans 211
Drawing Status:	Date:	Drawn By: Director Scale:
CONCEPT DESIGN	July 26	cc 1:100 @ A3
Job No:	Opt.	Drawing No.
2800		211(03) 201
Rev.	Unit 2 Chapel Barns Merthyr Mawr Bridgend CF32 0LS	t: 01656 656267
	e: mail@spring-consultancy.co.uk	