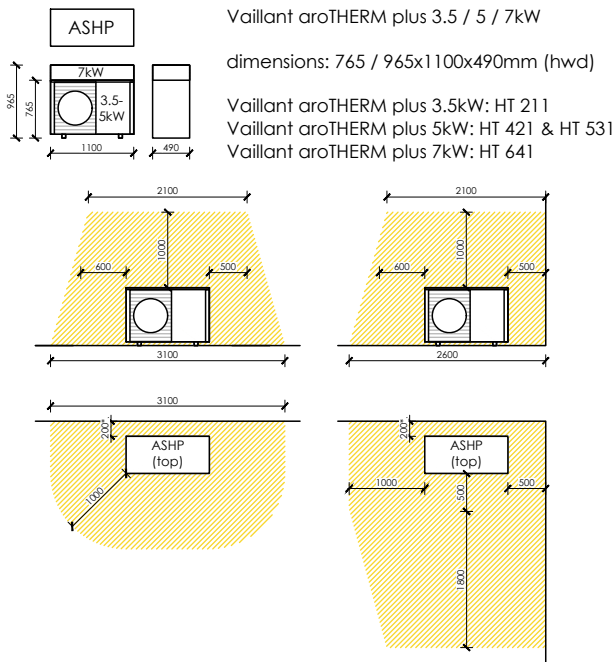


LOW CARBON PLANT

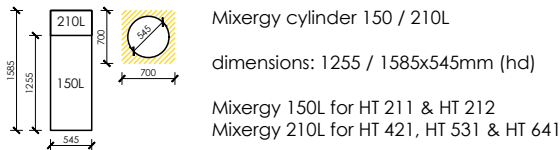
Dimensions denote minimum installation & maintenance clearances, extrapolated to hatched areas. All as defined by manufacturer's requirements, refer to product literature for specifics.

ASHP

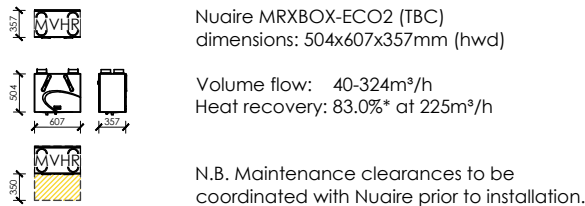


*Clearance for heating only; +50mm if ASHP provides cooling.

Hot Water Cylinder

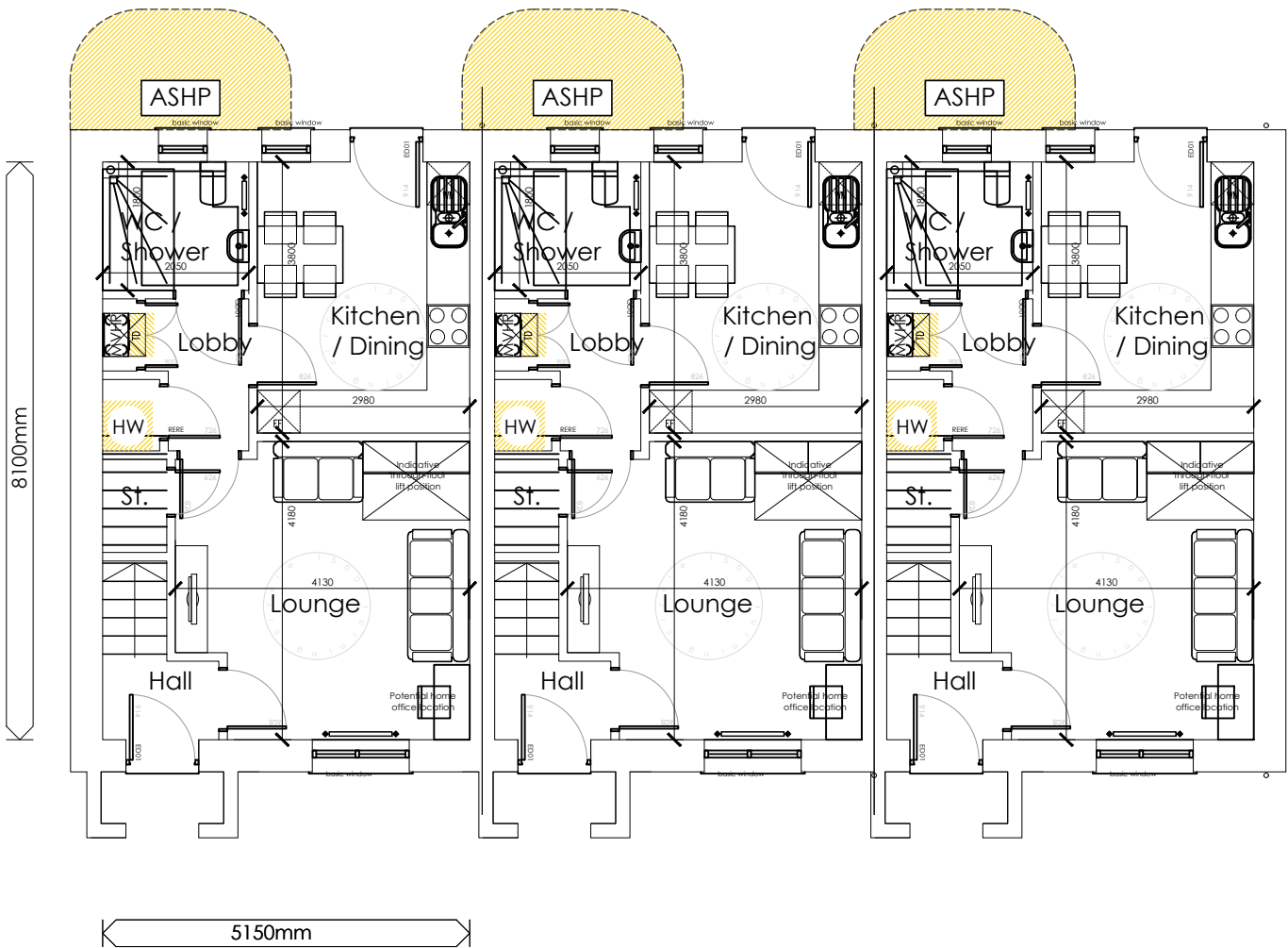


MVHR



Battery Storage

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



4 person, 2 bedroom house GIA: 83.44 sq.m

WDQR21 COMPLIANT CRITICAL DIMENSIONS:

Bedroom 1 Area: 13.45 sq.m

Bedroom 2 Area: 14.21 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
4 Person 2 Bedroom House: 2.5m²

GF	
Store	1.17m²
Total:	1.17m²

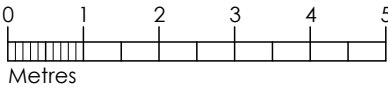
FF	
Airing Cupboard (AC)	0.66m²
Store	0.78m²
Total:	1.44m²

Overall Total Storage: 2.61m²

FLOOR AREA

WDQR 2021 Area Requirements
4 Person 2 Bedroom House: 83m²

GIA: 83.44m²



A3

Original sheet size

Rev	Date	By	CHK	Description

Client:	Project:	Drawing Title:
Hedyn	Midway Lane	Ground Floor Plans
		421
Drawing Status:	Date:	Drawn By Director Scale:
CONCEPT DESIGN	July 26	cc 1:100 @ A3
Job No:	Opt.	Drawing No.
2800		421(03) 200
Rev.	Unit 2 Chapel Barns Merthyr Mawr Bridgend CF32 0LS	t: 01656 656267
	e:mail@spring-consultancy.co.uk	