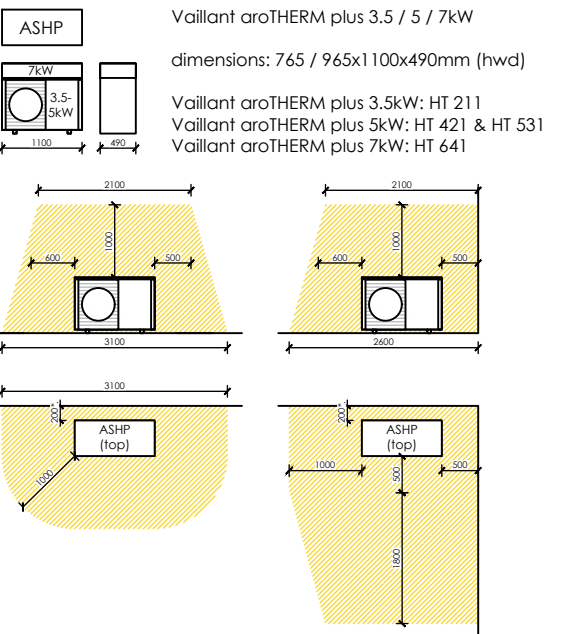


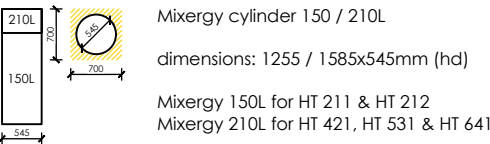
LOW CARBON PLANT

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

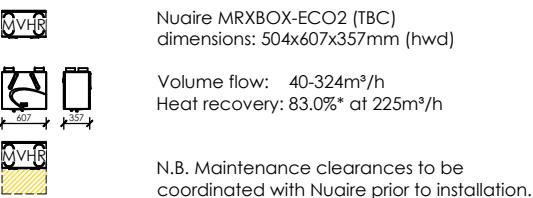
ASHP



Hot Water Cylinder



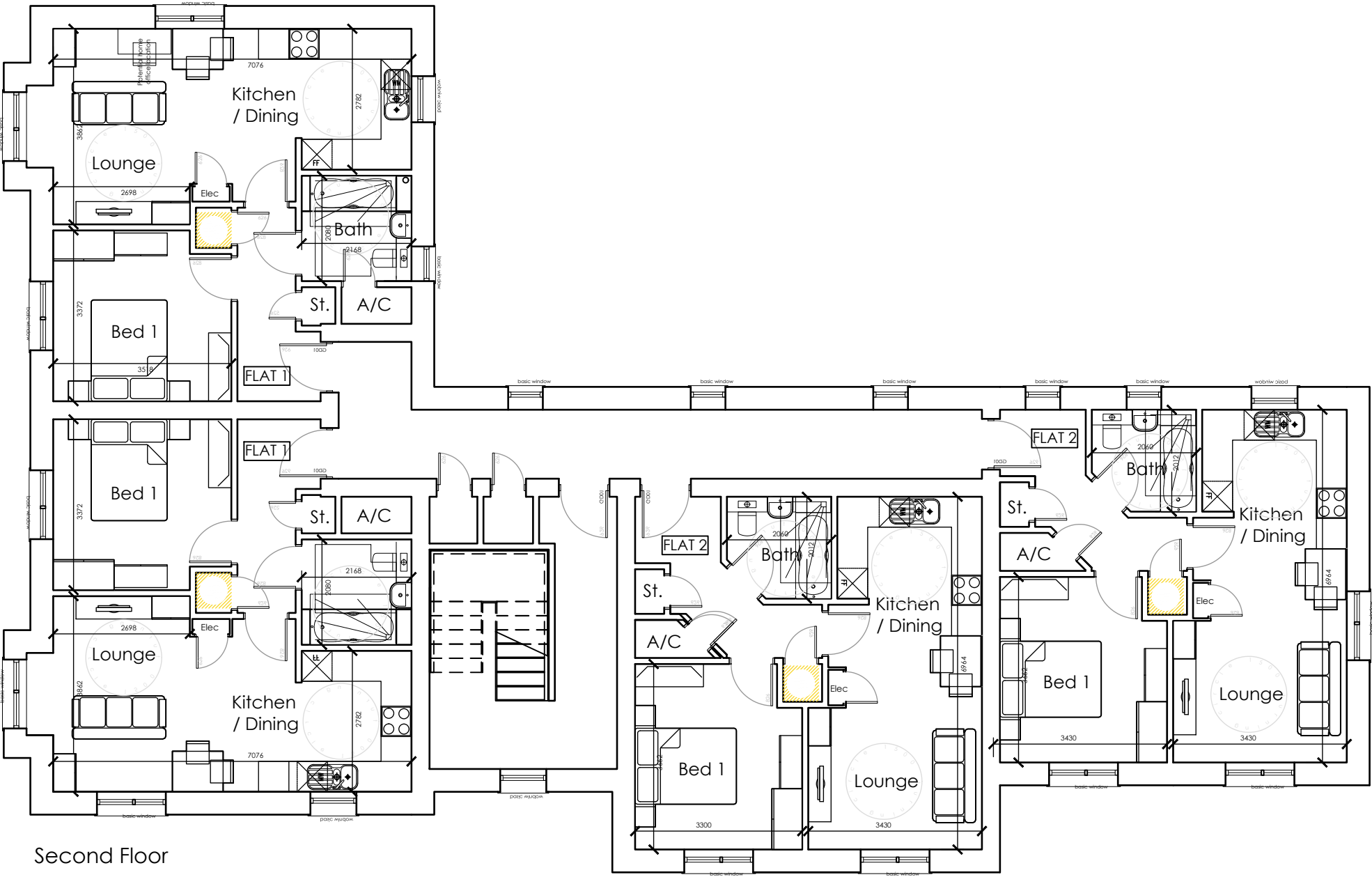
MVHR



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.



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

