

Ref: URB-658-FN2
Site: 17 Piccadilly.
Date: 19.07.2022

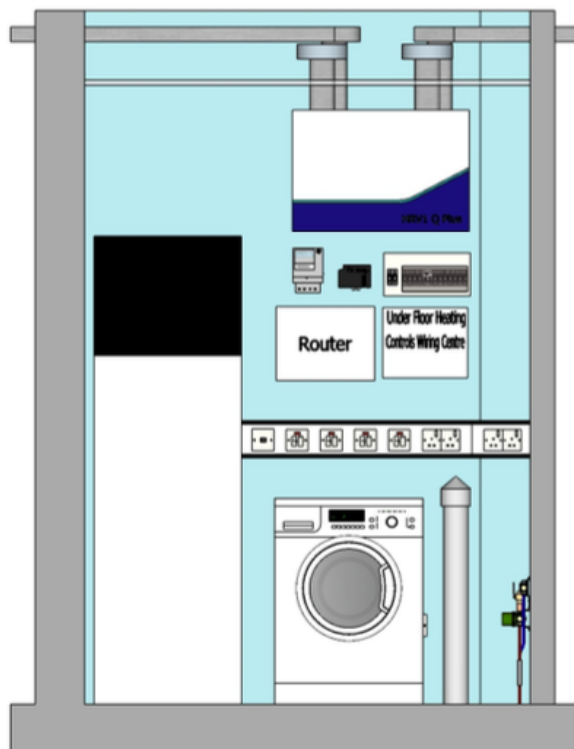
SITE: 17 PICCADILLY, MANCHESTER, M1 1LS.
RE: M&E SPECIFICATION
LPA REF: 129741/FO/2021 & 129742/FO/2021.

Mechanical

- Units with Individual AHP fed by Ambient loop system or individual condensers
- A potable water storage tank with central division and associated water booster pump set will be located within the ground floor plant room. Water storage based on 12 hours likely water demand.
- Electric underfloor heating will be provided to all bathrooms
- LTHW underfloor heating will be provided to all flat areas except bathrooms. LTHW will be provided by a Internal Heat Pump located within each flat. Radiator option TBC by client
- Towel Rails – to be dual fuel supplied from a HIU/AHP and electrical power supplies.
- “Common areas” will be heated via electric radiators with tamper resistant controls.
- Ventilation for each flat will be provided via MVHR

Air Changes to Ventilated Areas

Ventilation for each flat will be provided via MVHR (mechanical ventilation heat recovery) units linked to supply and extract ductwork. The MVHR ventilation rates will comply Building Regulations Approved Document F, Table 5.1 a – Extract Ventilation Rates and Table 5.1 b – Whole Dwelling Ventilation and shall be designed to 30 l/s



Ambient Loop/Cascade Heat Pump Cupboard Option
Internal Dimensions 1800mm(W) x 800mm(D)

Services Cupboard

**MVHR Unit complete with
HRV Duct Cover**

**Internal ASHP Unit Typical Dims
1891mm(H) x 597mm(W) x 666mm(D)**

Electrical services to include

- TV AMP Splitter
- Fused Spur (Future Intruder Alarm
- 100A SPN Consumer Unit
- Electric Smart Meter
- 200x150 Termination Box
- BT Master Socket
- 3Pole Isolator for MVHR Unit
- Fused Connections for ASHP/HIU Unit
- Sockets for General Appliances