

Reference: 30 Charlotte street

Project: TFP-1037-200

Date: 26/08/2021

HVAC specification – description on items as per equipment schedule

- **Overdoor heater** by front door.
 - **Recessed** model to be exposed
- **Comfort cooling** to the FOH.
 - **Indoor** units to be a combination of ducted fan coil units and cassettes. Condensers positioned within acoustic housing on flat roof at first floor level. Condensers are mainly single split systems with one twin split system at first floor level. .
- **Restaurant supply/extract** using mechanical ventilation
- **BOH supply/extract** using mechanical ventilation attenuated and discharge via riser adjacent to kitchen extract riser.
- **Kitchen extraction** system to suit TFP drawing <<TFP-1037-201-RC>> + <<TFP-1037-200-RB>>
 - Plant located at first floor level externally
 - Filtration to consist of canopy filtration + UV + provision for filter media
 - UV installed at canopy level with filter media upstream prior to high level discharge
 - Level 1 – KSA filters within canopy
 - Level 2 – coalescer filters within canopy
 - Level 3 – UV filtration within Halton UVI canopy. local to canopy
 - Level 4 – filter media housing located within plant area built into pollustop. The sections will be used for G4 panel filters and F7 bag filters where it is not viewed hepa or carbons to be a requirement due to high level discharge.
 - Level 6 – high level termination via accelerator cone with velocity of discharge (12m/s) at terminal to provide minimum 9m throw.
 - High attenuation provision subject to planning + plant layout accordance with PC Environmental report << >>
- **Kitchen supply** air system to suit TFP drawing <<TFP-1037-201-RB>>

Supply plant located internally at first floor level