



● INSTALLATION ● SERVICE ● REPAIRS

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Kitchen Extraction and Supply Air Design

1 Chorlton Place

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Extraction System

Extract based on a canopy size of 5800 x 1500 wall type canopy

- Volume of canopy require a total air volume of 2.61 m3/sec
- Main header duct size 630 spiral duct
- Extract spigots on canopy 4 of 350 x 350
- Fan selection 1 off DVS 630 DV centrifugal roof fan vertical discharge
- 1 of 630 MUB SIL Silencer internal side of fan
- System to be determined via roof unit with vertical discharge
- DBA of Fan 62 DBA
- Odour control to be provide by 1 of ESP 6000 unit & 1 x OVU 1000

Supply air System

Supply air system based on 80% of the extraction rate

- Flow rate for system 2.09 m3/sec
- main header duct size of 560 spiral duct
- Supply air to be terminated via front face of the canopy
- Spigots for supply air system 3 of 300 x 300
- Fan selection 1 off AR 560 DV short cased axial fan
- 2 off 560 1D No Pod Silencers each side of the fan
- Fan to be installed with anti-vibration collars
- Terminated Via weather louver approx 1800 x 600
- DBA of Fan 56 DBA

