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Unit 3, School Street Trading Estate, School Street, Stockport, SK7 4RA

Kitchen ventillation specification

471 wilmslow
Withington
M20 4AN

Extraction System

Extract based on linking the 2 off canopies on to one main header duct canopy sizes 4000 mm x 1200 mm

- Volume each canopy requires a volume of 1.44 m3/sec with a total air volume of 2.88 m3/sec
- Duct size off each canopy would be either 500 mm spiral or 500 mm x 400 mm rectangular ductwork
- The main header duct will be either 710 mm spiral or 700 mm x 600 mm rectangular ductwork.
- Extract spigots on each canopy 3 x 415
- Fan selection for 1 off MUB 062 630 D4 MultiBox fan unit
- 2 of 630 1 D pod silencers 1 of each side of Fan
- ESP 1 off ESP 6000 Purified air
- System to be terminated with high velocity cowl terminated 1.2m above eaves
- DBA of Fan 70

Supply air System

Supply air system based on 80% of the extraction rate

- Flow rate for system 2.30 m3/sec
- main header duct size of 630 mm spiral or 600 mm x 550 mm rectangular
- Supply air grill spigot sizes 250mm to each grill
- Ceiling grills 8 off 595 mm x 595 mm 4 way diffuser c/w dampers
- Fan selection 1 off AR 560 DV Short Cased Axial Fan
- 2 off 560 mm 1D No Pod Silencers
- Terminated Via weather louver 1000 x 1000 or equivalent
- DBA of Fan 60