

JOB NO: 9418
ADDRESS Pine Marten Close, Pagham



SUMMARY OF KITCHEN EXTRACT SYSTEM

The information below is a summary of the kitchen extract system serving the residential care home facility at Pine Marten Close, Pagham.

The kitchen extract rate is 1.6m³/s. This equates to 43 air changes per hour. This system is speed controllable locally, therefore during times of light use this extract rate will be adjusted down by the end user.

The system is designed and installed in accordance with the guidance document BESA DW/172.

A vertical discharge fan is used, which is a specifically designed unit for this purpose (see attached brochure and selection).

Air is ejected vertically to allow proper dispersal. The fan is located at roof level, c.11.5m above ground level. The fan is constructed to minimise breakout noise, the acoustic information is noted in the attached brochure.

The canopy and kitchen layout drawings attached from James S. Scott. The canopy has integrated baffles to ensure grease / particulate is caught. The face velocity over the canopy area is c.0.32m/s.