

AIR FLOW RATES

1.00 Natural ventilation to all habitable rooms to be minimum 3% floor area via existing windows. Augmented by mechanical ventilation to provide 20m3 per hour per living and bedrooms. 2.00 All windows to have free area trickle ventilators of 8,000mm2 to habitable rooms and 4,000mm2 to bathrooms and toilets.

3.00 Bathroom doors to be undercut 10mm, and to have Venetia or similar mechanical extract to provide 15 l/sec with minimum 10mm overrun - Kitchen and Utility to have 2 speed extract to provide 30 l/sec. with 10 min. overrun.

150mm dia. ~ 125mm dia. ~ 100mm dia.

Typical ductwork profile

4.00 Low velocity air flow.

5.00 Each room to have independent controls.

Flush mounted wall extract fan as existing or proposed indicated on plan.

Helios HV250 220 litres/sec.

Twin shutter to allow reverse air flow. Unit to come with electronic reverse

variable speed controller

150mm dia. extract duct terminating with air brick.

Extract fans as Helios M1/100P intermittent running to operate from PIR sensor

Bathrooms and ensuite - 15 l/s

Sanitary accommodation - 6 l/s

5 minute run on timer.

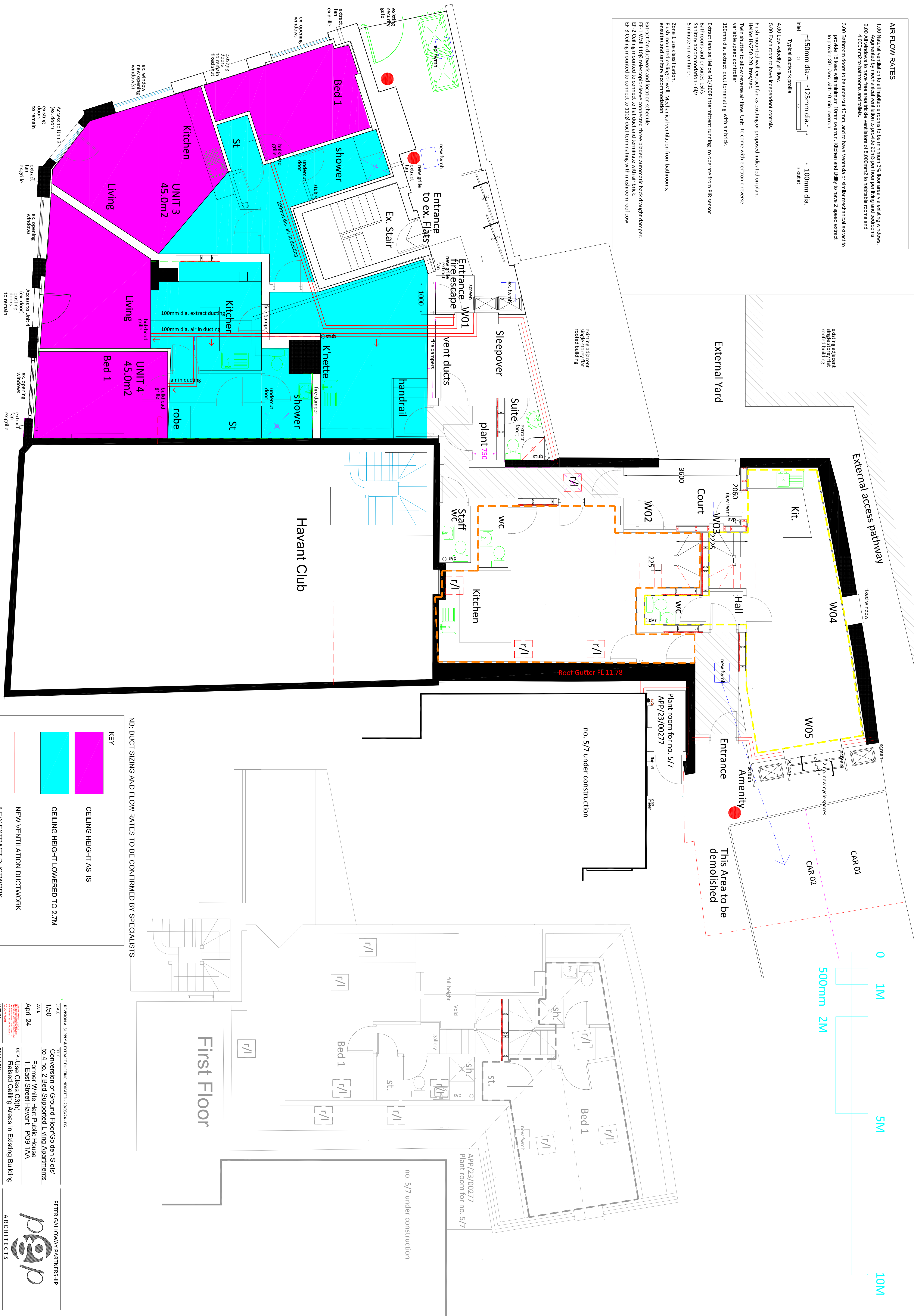
Zone 1 use classification
From existing or wall. Mechanical ventilation from bathrooms, ensuite and sanitary accommodation

Extract fan ductwork and location schedule

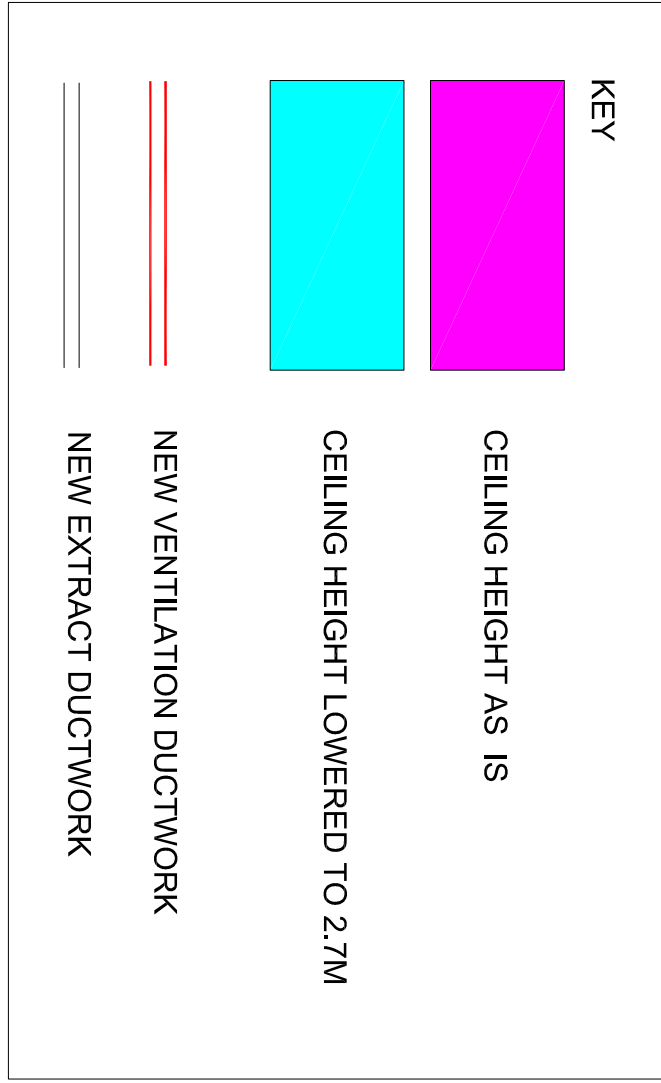
EF-1 Wall 1100 telescopic sleeve connected three bladed automatic back draught damper.

EF-2 Ceiling mounted to connect to flat duct and terminate with air brick.

EF-3 Ceiling mounted to connect to 1100 duct terminating with mushroom roof cowl



GROUND FLOOR PLAN



BRUNTON A. SUPPLY & EXTRACT DUCTWORK INDICATED - 29/05/24 - JRG	TITLE	PETER GALLOWAY PARTNERSHIP
1/50	Conversion of Ground Floor Golden Sloats to 4 no. 2 Bed Supported Living Apartments	
DATE	Former White Hart Public House	
April 24	1, East Street Havant - PO9 1AA	
DRAWING NO	23/201/P - Ceilings & Ventilation	
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