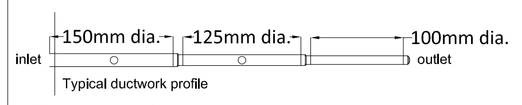
AIR FLOW RATES

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 Ventaxia 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.



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 ensuites-15l/s
Sanitary accommodation - 6l/s
5 minute run on timer.

Zone 1 use classification.
Flush mounted ceiling or wall, Mechanical ventilation from bathrooms, ensuites and sanitary accommodation

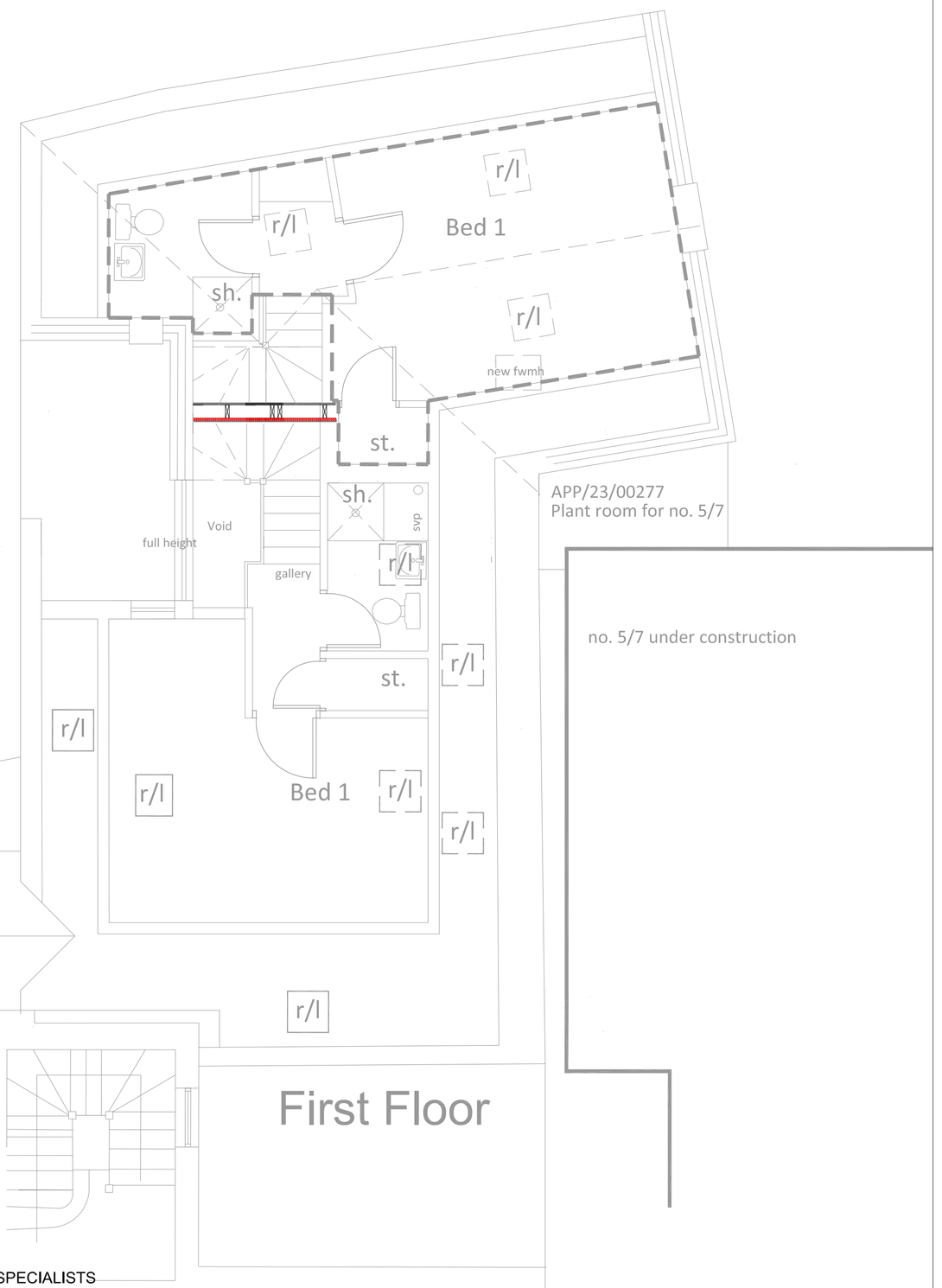
Extract fan ductwork and location schedule
EF-1 Wall 110Ø telescopic sleeve connected three bladed automatic back draught damper.
EF-2 Ceiling mounted to connect to flat duct and terminate with air brick.
EF-3 Ceiling mounted to connect to 110Ø duct terminating with mushroom roof cowl

UNITS 3 & 4 TO BE PROVIDED WITH SPRINKLERS

External access pathway
existing adjacent single storey flat roofed building
fixed window
W04
W05
screen
2 no. new cycle spaces
CAR 01
CAR 02
Kit.
External Yard
Hall
Amenity
Entrance
This Area to be demolished
new fwmh
2060
W03
2225
Court
3600
W02
wc
225
Plant room for no. 5/7
APP/23/00277
flue h/l
gas meter
r/l
Roof Gutter FL 11.78
no. 5/7 under construction
existing adjacent single storey flat roofed building
Sleepover
Suite
extract fan
stub
ex. fwmh
plant 750
wc
Kitchen
Staff wc
dvp
Entrance fire escape
W01
air in
screen
vent ducts via gable grille
extract fan
fire dampers
1000
handrail
Ex. Stair
Entrance to ex. Flats
new fwmh
new grille
extract fan
existing security gate
Bed 1
shower
stub
undercut door
ex. opening windows
secondary glazing
extract fan ex.grille
bulkhead grille
100mm dia. air in ducting
St
Zehnder AC Unit
existing doors to remain closed secondary glazing
Kitchen
UNIT 3
45.0m2
Living
Half glazed screen 6mm glass
Lobby
Access to Unit 3 (ex. door)
doors to remain
ex. window
secondary glazing
extract fan ex.grille
ex. opening windows
secondary glazing
K'nette
fire damper
shower
undercut door
Zehnder AC Unit
St
Kitchen
100mm dia. extract ducting
100mm dia. air in ducting
robe
bulkhead grille
Living
UNIT 4
45.0m2
Bed 1
Half glazed screen
Lobby
Access to Unit 4 (ex. door)
doors to remain
ex. opening windows
secondary glazing
extract fan ex.grille
Havant Club

GROUND FLOOR PLAN

0 1M 5M 10M
500mm 2M



NB: DUCT SIZING AND FLOW RATES TO BE CONFIRMED BY SPECIALISTS

KEY

CEILING HEIGHT AS IS

CEILING HEIGHT LOWERED TO 2.7M

NEW VENTILATION DUCTWORK

NEW EXTRACT DUCTWORK

REVISION D: EXISTING WINDOWS TO REMAIN OPENABLE / AC UNIT LOCATIONS INDICATED - 27/06/24 - PG
REVISION C: WINDOWS & DOORS SHUT SECONDARY GLAZED - Entrance lobbies added - 24/06/24 - PG
REVISION B: WINDOWS SHUT & SPRINKLERS PROVIDED - 21/06/24 - PG

SCALE 1/50

DATE April 24

CONTRACTOR MUST CHECK ALL DIMENSIONS ON SITE ONLY FIGURED DIMENSIONS TO BE WORKED FROM DISCREPANCIES MUST BE REPORTED TO THE ARCHITECT BEFORE PROCEEDING
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AUTHOR PG

TITLE
Conversion of Ground Floor'Golden Slots' to 4 no. 2 Bed Supported Living Apartments
Former White Hart Public House
1, East Street Havant - PO9 1AA

DETAIL Use Class C3(b)
Raised Ceiling Areas in Existing Building

DRAWING No 23/201/P_Ceilings & Ventilation

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