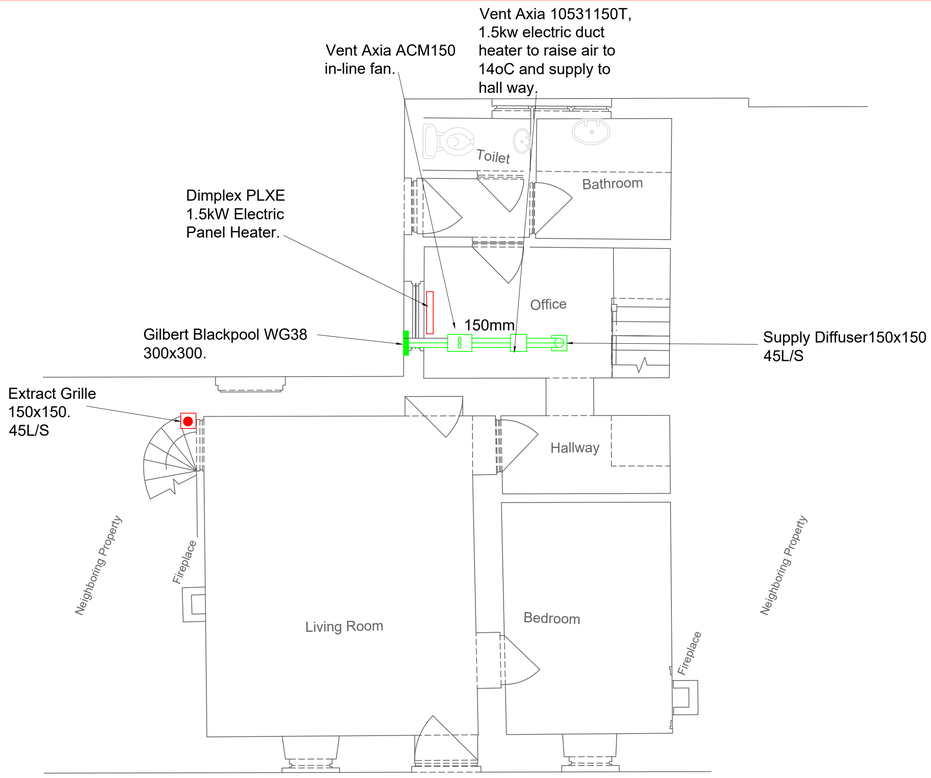
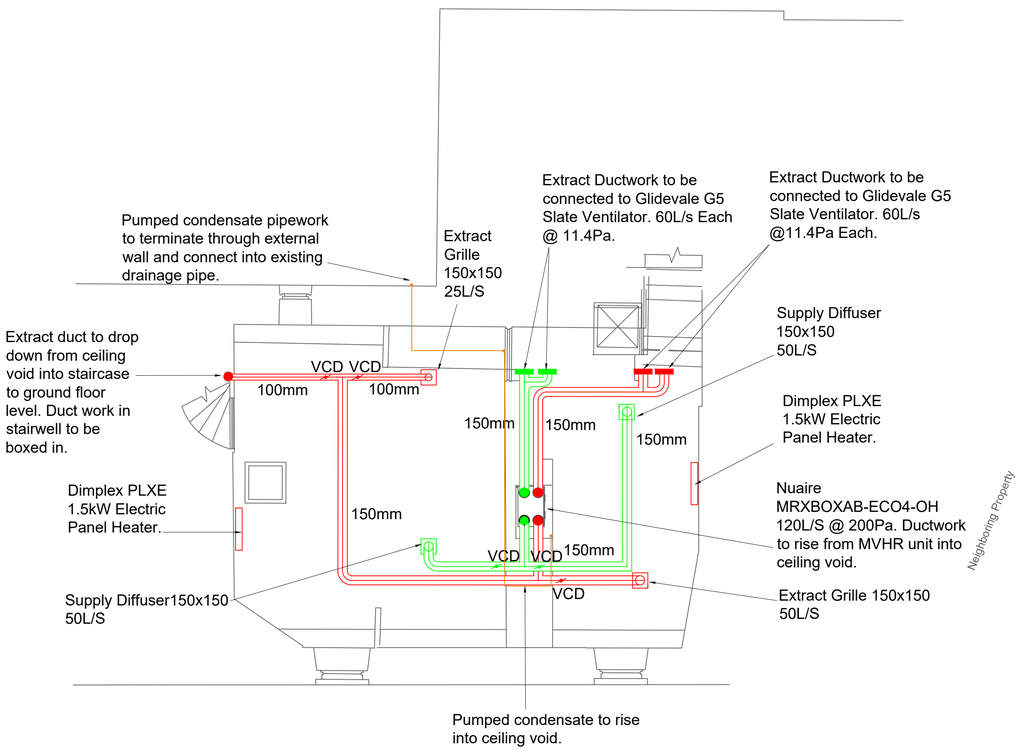


Ground Floor



First Floor

Equipment



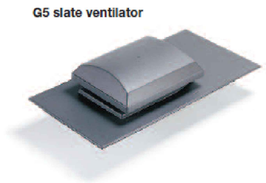
Gilberts Blackpool Series GE 150mm x 150mm internal extract grilles to be located in existing hallway and show room on first floor level along with the staircase leading to the living room on the ground floor, 100mm ductwork running from ceiling void, vertically down the stair case to be boxed in.



Gilberts Blackpool Series DG 150mm x 150mm internal supply diffusers to be located in hallway and show room on first floor level and office on ground floor.



Dimplex PLXE Electric Panel Heater- Series C to be located in hallway and show room on first floor level and office on ground floor.



Glidevale G5 Slate Ventilator.
To terminate through main pitched roof at rear of property.

Performance

Airflow resistance when used as SVP/extract terminals

	G3	G5
54m³/h (15 ltrs/sec)	3.4Pa	0.6Pa
108m³/h (30 ltrs/sec)	11.5Pa	2.7Pa
216m³/h (60 ltrs/sec)	42Pa	11.4Pa



Nuaire MRXBOXAB-ECO4-OH
120L/S @ 200Pa. To be located in new cupboard space in hallway on first floor. Unit has an internal humidity sensor fitted.Unit to be controlled on Relative Humidity (RH) with the following set points -

Speed 1 (Trickle) - 0-60% RH
Speed 2 (Boost) - 60-80% RH
Speed 3 (Maximum Override) - 80-100% RH

DO NOT SCALE this drawing or the computer digital data.
Lead Consultant to be notified of any discrepancies in figured dimensions.
Contractors must check all site dimensions.
This drawing is copyright and is for use on this site only.

This Drawing shall be used for pricing purposes and to highlight extent of works only. This drawing shall not be used for installation purposes. Contractor shall provide their own co-ordinated working drawings prior to start on site.

NOTES:

* Ventilation System Design: The ventilation system shall be configured to safeguard the building fabric, ensuring preservation of structural and aesthetic integrity.

* Mechanical Ventilation Heat Recovery Unit: The Nuaire MRBOXAB-ECO4OH unit shall be installed with an opposite-handed configuration. This mechanical ventilation heat recovery (MVHR) unit shall be equipped with an integrated Heat Exchanger (HX) bypass. The automatic HX bypass shall be designed to activate based on temperature differentials, effectively preventing overheating of the building.

* VentAxia Duct Heater Battery: The VentAxia duct heater battery shall be installed with a minimum air velocity of 2m/s across the heating elements. The unit shall be positioned at a minimum distance of 1 meter from the fan exhaust to ensure optimal performance and safety.

* Ductwork and Condensate Piping: Ductwork and condensate pipe work shall be routed through the solid stone wall within the ceiling void. A cored hole shall be precisely executed through the solid stone wall to accommodate the installation, ensuring minimal disruption to the structural integrity.

Ref	Revision	By	Date	Chk'd	Auth
		WRW	June '25	RMW	WC

For Information

Purpose of issue

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County Borough Council

Project
Joseph Parry Cottage Mechanical Services Refurbishment

Drawn	Checked	Authorised	Original Scale @ A1
RE	WC	PM	1:50
Date June '25	Date June '25	Date June '25	

Title
Ventilation and Heating Layout

Drawing Number	Rev
2425.015-SAB-00-DR-M-001	P01

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