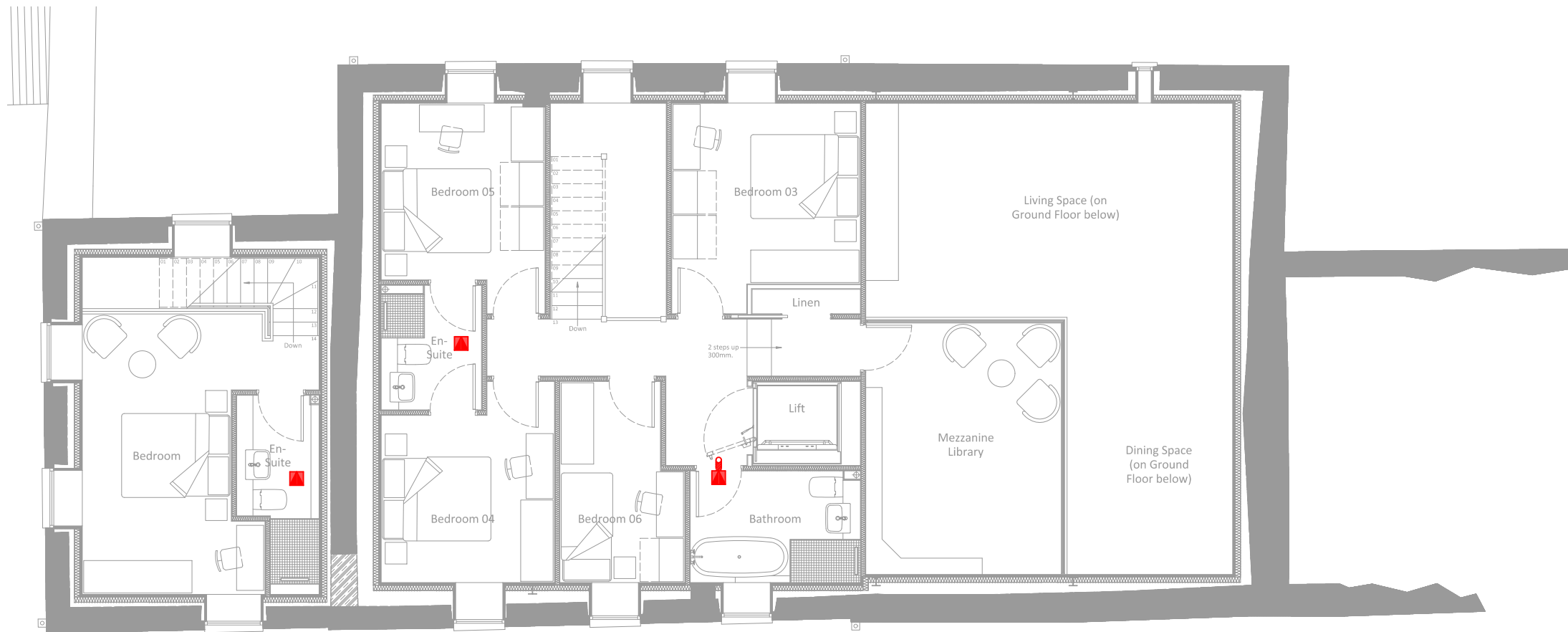
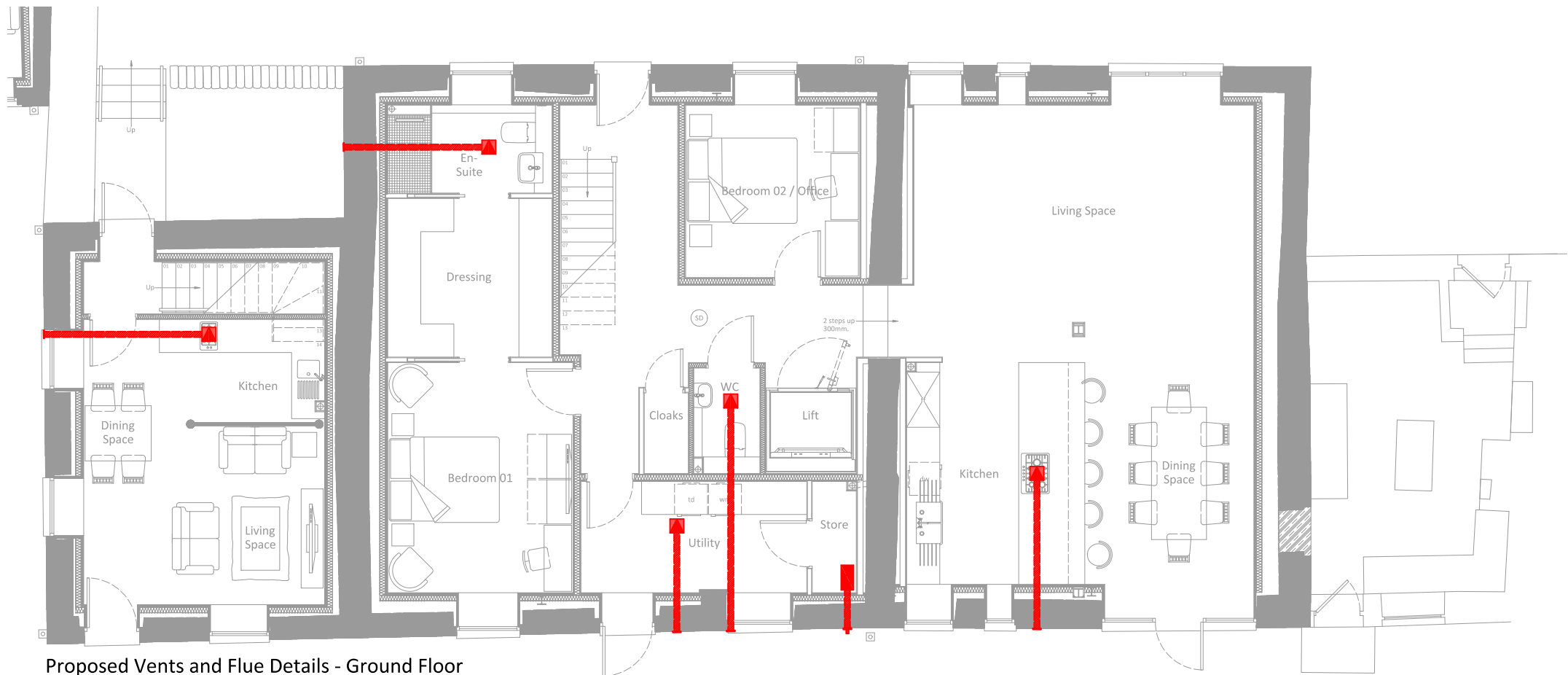




Proposed Vents and Flue Details - First Floor



Proposed Vents and Flue Details - Ground Floor

KEY:



(plan)

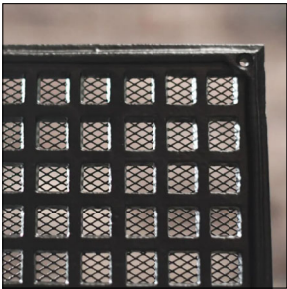


(elevation)

Position of mechanical extraction fan fixed to the ceiling and ducted to external air. Termination of ducts to be located such that re-entry to a building, or ingestion into nearby buildings is minimised and away from external openings and the boiler/fuel appliance flue terminal outlet. Rate of extraction to provide sufficient levels of ventilation in accordance with Approved Document F.

Extraction fans on the ground floor are to be ducted within the new metal web joist upper floor construction constructed above towards an existing external wall which it is to penetrate to reach the external air. The ducts are to terminate at black cast iron conservation square vents in accordance with the example provided within the images below fixed on the outside of the existing external wall.

Extraction fans on the first floor are to be ducted through the void above the flat ceiling and terminate via a roof tile vent, the only exception is the fan within the first floor bathroom, a flat ceiling is not being installed in this room therefore the fan is to be wall-mounted above the door and ducted through the wall and above the flat ceiling over the first floor corridor to a roof tile vent.

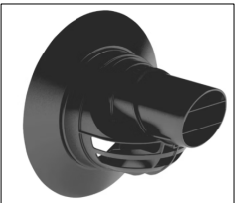


Above: Black cast iron conservation square vent.



Position of gas-fired boiler to provide source of heating via underfloor heating and radiators, the boiler is to have an efficiency rating of 'A' under the SEDBUK 2009 efficiency rating system and is to be located in the store accessed from the utility and concealed within a cabinet unit as indicated on the proposed ground floor plan. The boiler flue is to penetrate the existing external wall and terminate at a black horizontal flue terminal in accordance with the example provided within the image below fixed on the outside of the existing external wall. Flue terminal to be located away from external openings and vents in accordance with Approved Document J to prevent fumes re-entering the building and/or ingestion into nearby buildings.

Right: Black horizontal boiler flue terminal.



REV	DATE	AMENDMENT	BY	CHKD

HNA architects
Architecture | Planning | Design

PROJECT:	Syke House Farm Barn, Syke Road, Littleborough			
CLIENT:	Mr. J. Bullock			
DRAWING:	Proposed Vents and Flue Details - Floor Plans			
DRAWN BY:	DB	CHECKED BY:	GG	CREATED: 25/03/2025 SCALE: 1:100 @ A3
STATUS:	DoC/Technical Design		DRAWING No: 1423/C-406	REVISION:

DO NOT SCALE.
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