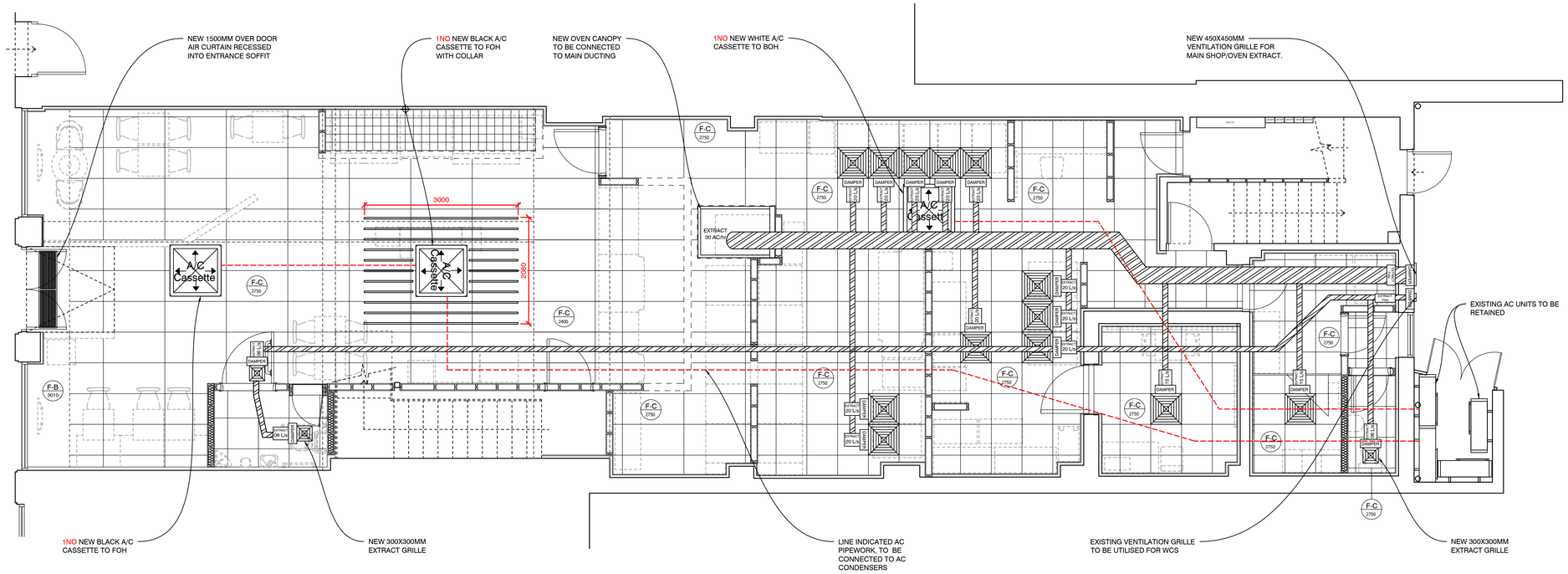

PROPOSED GROUND FLOOR HVAC PLAN (1:50)

AIR CONDITIONING

2 No AC cassettes to FOH to be finished black and 1 No white to BOH. Allow for collar to FOH one over mid floor unit
Air conditioning units to be supplied via Mitsubishi Electric Living Environmental Systems Ltd direct offices only and installed by authorised Greggs / Mitsubishi accredited installation partners only. The Air conditioning units are to be 14kw heating/cooling to front of shop and 7.1kw heating/ cooling to back of shop. The air conditioning units must be selected for the Mitsubishi Electric ***Power Inverter*** *range and be suitable for low noise. No deviation from this specification will be considered unless written consent is given from Greggs directly. A wall mounted remote controller should also be provided for each air conditioning system*
The remote controller will be capable of altering the following functions and information on the indoor fan coil unit: -

- *On/Off*
- *Set point*
- *Fan speed*
- *Louvre position*
- *Timer settings*
- *Mode selection*

The controller shall also be capable of displaying the following items: -

- *On/Off*
- *Systems diagnostics*
- *Fault codes*
- *Status monitoring*
- *Operating mode*
- *Set point*
- *Fan speed*
- *Timer settings*
- *Louvre position*

The installation partner to design & size layout, pipework, insulation & power as required, liaise with the principle contractor and others to satisfactorily complete the installation, units to be positioned as indicated on drawings, internal units to be ceiling or wall mounted conveniently positioned in shop, external condensing units positioned to approved locations shown on drawings complete with rotary isolation switches, also include for all system drainage runs & pumps, forming & cutting of all holes & access ways and powder coated cages for condensing units if required. Control units to be wall mounted at the central control point.

MECHANICAL EXTRACTION & VENTILATION

Mechanical Extraction and ventilation systems, to positions indicated on the drawings are to be designed and installed in full compliance to the Chartered Institute of Building Service Engineers Guide; CIBSE B:2001, Heating, Ventilation and Air Conditioning and all relevant amendments. Electrical works to comply to current edition of IFF Regulations and installed by a competent engineer.

The oven canopy is to be formed in polished Stainless Steel (grade 430) with easy removable, and dishwasher cleanable Stainless Steel baffle filters.

Oven canopy size :-
1000 x 1500mm.

Allow exposed Oven Canopy to be clad in White Wallboard.

The oven extract to be formed in galvanised Steel ductwork, to HVAC standard DW144 - manufacture and installation of ductwork and DW172 - standard for kitchen ventilation in non domestic installations.
Ductwork to nominal size 315mm diameter or sized to suit installation with access panels to permit inspection and cleaning at maximum 2000mm spaces. The extract system to achieve 30 AC/hr. Include for all forming, jointing, connecting and supporting required for the duct system installation.

The extract fan to be a cased axial unit sized to suit ductwork formed in high grade galvanised steel with sickle blade impeller, the IP54 class F insulted motor and fan supported in a cylindrical case, primed with black polyester finish, single phase with external wiring terminal block, fan to be mounted with flexible couplings to minimise vibration noise.

A mechanical extraction system is to remove air from other internal areas, inclusive of office, staffroom, changing rooms and WC. The minimum extract rates should be achieved;

- *Office - 10 l/s*
- *Staff room - 15 l/s*
- *Changing room - 6 l/s*
- *Toilet - 6 l/s*
- *Above Fridge / Freezer - 20 l/s*
- *Oven Canopy - 30 Ac / hr*

Flexible ducts are to conform to BS 476 parts 6,7 and 20, is not to be kinked or flattened, changes in direction to be formed by long swept curves, flexible ducts TO BE 100mm diameter & should not exceed 1000mm in length, and securely supported and connected to main duct system, air to be removed from rooms by ceiling mounted extract grilles.
Where any ductwork passes through compartment walls or floors forming an aperture greater than 38mm DIA, contractor must provide fire damper or collar to meet 1 hour fire resistance.

SUSPENDED CEILING	
LEGEND	DESCRIPTION
	FRONT OF HOUSE CEILING SPECIFICATION 600x1200mm BLACK ACOUSTIC OBSIDIAN TILES, LAID IN AN EXPOSED BLACK FINISHED METAL GRID, ZENTIA PRELUDE 24XL. CEILING TO GIVE CLASS B RESISTANCE TO SPREAD OF FLAME STANDARD CEILING HEIGHT 2750mm FFL.
	CUSTOMER TOILET CEILING SPECIFICATION TILES : 600x600mm BLACK ACOUSTIC OBSIDIAN TILES, LAID IN AN EXPOSED BLACK FINISHED METAL GRID, ZENTIA PRELUDE 24XL. CEILING TO GIVE CLASS B RESISTANCE TO SPREAD OF FLAME STANDARD CEILING HEIGHT 2750mm FFL.
	BACK OF HOUSE CEILING SPECIFICATION TILES: 600 x 600mm PVC PAGED (WHITE) PLASTERBOARD GYPROC TILES, GYPREX SATINSPAR OR SIMILAR APPROVED LAID IN AN EXPOSED WHITE FINISHED METAL GRID, ZENTIA PRELUDE 24XL. CEILING TO GIVE CLASS B RESISTANCE TO SPREAD OF FLAME. TEL: 0800 371 849 WEB: www.info@zentia.com

ALL CEILING LIGHT FIXINGS / SPEAKERS / PIRS / CCTV AND HEAT DETECTORS TO BE FINISHED BLACK

DUCTWORK & AC PIPELINE SHOWN INDICATIVELY. HVAC CONTRACTOR TO DETERMINE EXACT ROUTE & LAYOUT ON SITE

DO NOT RESCALE THIS DRAWING

REV	DESCRIPTION	DATE	NAME

GREGGS

GREGGS Plc (PENNINES)
31 GREENSIDE STREET
OPENSHAW
MANCHESTER
M11 2HW
Tel: (0161) 274 2760

Shop S Number & Name
S6950 BUXTON, SPRING GARDENS

Title
PROPOSED HVAC PLAN

Site Address
24 SPRING GARDENS
BUXTON
SK17 6DE

Gross Building Area	Gross Sales Area
179 Sq m	69.3 Sq m

Drawing No. RPEN/S6950/08 — Rev.

Date 05.09.25 — Scale 1:50 @ A1

Drawn by AG

Issued 10-Sep-25

Scale Bar
0 500 1000 1500 2000 2500mm
SCALE 1:50