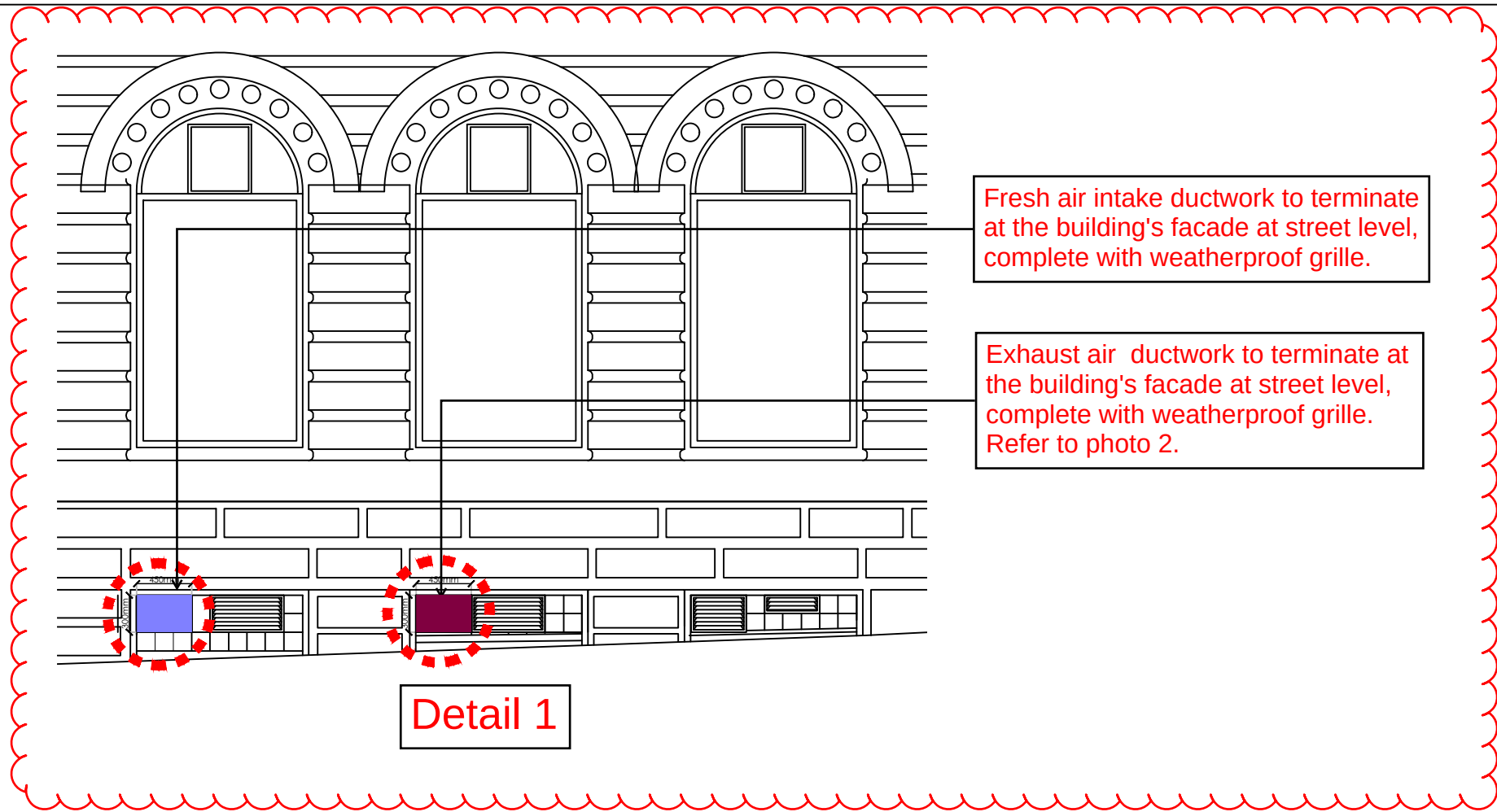




Photo 1

Outdoor VRV to be installed in that area.



Detail 1

Possible existing underground drainage connections

Existing mechanical and electrical plantroom

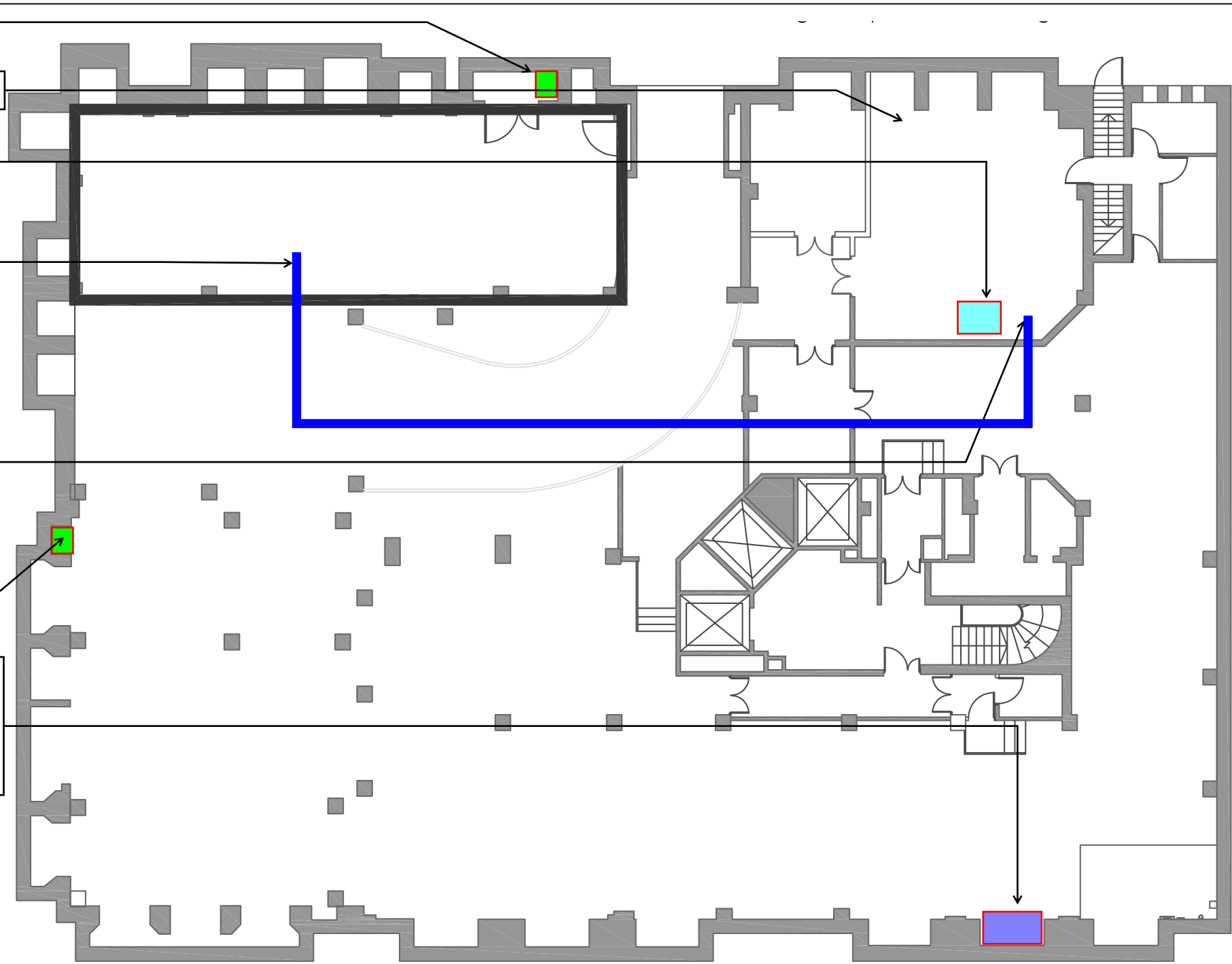
Existing domestic cold water booster set

Boosted cold water pipework runs at high level.

New boosted cold water pipework to branch off existing pipework within the plantroom. Pipework to be routed towards the new shower facilities. Contractor to identify the best pipework route once on-site.

Possible existing underground drainage connections

Outdoor VRV unit to be installed within car park and new refrigerant pipework to rise to reception, via new BWIC, to serve the 2No. floor mounted VRV units. Refer to photo 1.



Basement car park layout

Fresh air intake ductwork to terminate at the building's facade at street level, next to existing grilles and be complete with weatherproof grille. Refer to Detail 1.

Exhaust air ductwork to terminate at the building's facade at street level, next to existing grilles and be complete with weatherproof grille. Refer to Detail 1.

Mechanical ventilation heat recovery unit

Supply ductwork to run at high level

Extract ductwork to run at high level

Electric wall mounted panel to be installed within WC

Boosted cold water and domestic hot water pipework enters the shower cubicle at high level and drops to low level to serve WHB and Shower head

Circular extract grille

600x600 supply diffuser

Boosted cold water and domestic hot water pipework enters the shower cubicle at high level and drops to low level to serve WHB and Shower head

Electric towel rails to be installed in all the showers

Trench to be formed to allow for the installation of an underground drainage pipework, which will serve all the left hand side shower cubicles and the WC

Single sump pump to be installed within accessible location. Sump pump to pump water at high level and Contractor to establish a route towards the closest drainage pipework or stack to connect.

New 300L electric hot water calorifier, complete with destratification pump, to be installed in this area, to serve hot water outlets within showers and WC

Boosted cold water pipework runs at high level.

Existing underground drainage connection to be surveyed and reused. Contractor to pipe all drain from the new shower and WC facilities to this location.

Trench to be formed to allow for the installation of an underground drainage pipework, which will serve all the right hand side shower cubicles and the accessible shower room.

Single sump pump to be installed within accessible location. Sump pump to pump water at high level and Contractor to establish a route towards the closest drainage pipework or stack to connect.

Electric wall mounted panel to be installed within changing room

Electric tubular heaters to be mounted at low level below the lockers

Electric wall mounted panel to be installed within accessible shower

Boosted cold water and domestic hot water pipework enters the shower cubicle at high level and drops to low level to serve WHB and Shower head

Basement shower facilities

NOTE: A NUMBER OF SERVICES ARE CURRENTLY INSTALLED AT HIGH LEVEL WITHIN THE BASEMENT CAR PARK. THESE SERVICES WILL HAVE TO BE REMOVED OR RELOCATED TO ACCOMMODATE THE NEW SERVICES INSTALLATION

NOTES

1. Do not scale from this drawing.
2. This drawing is to be read in conjunction with the Performance Specification.
3. This drawing is to be read in conjunction with the Architect's drawings and specifications.
4. Information given on this drawing is intended to illustrate the design intent of the services requirements only and must not be considered as design details. The detailed design of the services, co-ordination and production of installation design drawings, including the provision of BWIC details etc. shall be the total responsibility of the awarded Contractor and no information given on this drawings shall relieved them of this responsibility.
5. All plant and services will require sufficient access space for routine maintenance.
6. The Contractor shall ensure that noise breakout from the ventilation system complies with the acoustic requirements.
7. Contractor to coordinate with the Architect the colour and material selection of all the exposed services, during the next design stage.
8. Fire dampers or fire rated ductwork to be provided where passing through any fire compartments.
9. Attenuators to be provided in accordance with the requirements of the acoustic specialist and MEP performance specification.
10. Position of visible component/fitings is indicative, final setting out to be agreed with the Architect.

LEGEND

T03	Planning Update	NL	Sep 23
T02	Planning Update	DK	Aug 23
T01	For Tender	NL	Dec 22
Rev	Description	By	Date

Drawing Status



Savills
15 Finsbury Circus
London
EC2M 7EB
Tel: 020 7499 8644
www.savills.com

Client
Savills

Project
Ship Canal House

Address
84/89 King Street
Manchester
M2 4WU

Drawing Title
Basement Mechanical Layout

Scale NTS	Date Dec 22	Drawn By NL	Checked SM
Project No. 5981	Originator SAV	Building SCH	Level 0B
Drawing Type DR	Discipline/Role M	Number 001	Revision T3