

DUCTWORK REQUIREMENTS

The kitchen extract system will be compliant with besa specification for kitchen ventilation systems DW/172. internal surfaces of the kitchen extract systems will be rectangular and free of any irregularities which make grease accumulation more likely and cleaning more difficult.

The design will include access panels either side of every bend and at a maximum spacing of 1.5m in the horizontal ductwork, to facilitate manual cleaning. access panels will be provided in sufficient number, quality and size, to enable unrestricted access for regular cleaning and inspection of the internal surfaces and in-line components. all access panels will be in accordance with the requirements of dw/144, dw/172 & tr/19

Where a kitchen supply air system is provided, it will be installed in accordance with DW172 section 6.

The supply system will be positioned as to not obstruct safe access to the kitchen extract system.

The ductwork installed either side of the filters must be positioned centrally in relation to the filter.

Ductwork plenums sized and designed so an equal distribution of air passes through all sections of the filter, such that all of the air is filtered equally.

Location of fire dampers to be inline with building fire strategy

Volume control dampers to be fitted to all branch legs

-	-	-
-	-	-
B	03/04/23	Ventilation to bin store added
A	21/02/23	Drawing updated to latest base plan
Rev	Date	Description

FWP UK LTD
REFRIGERATION-AIR CONDITIONING-VENTILATION

17 Calverton Business Park
Hoyle Road
Calverton
Nottingham NG14 6QL

tel: 0115 965 5042
web: fwpuk.com

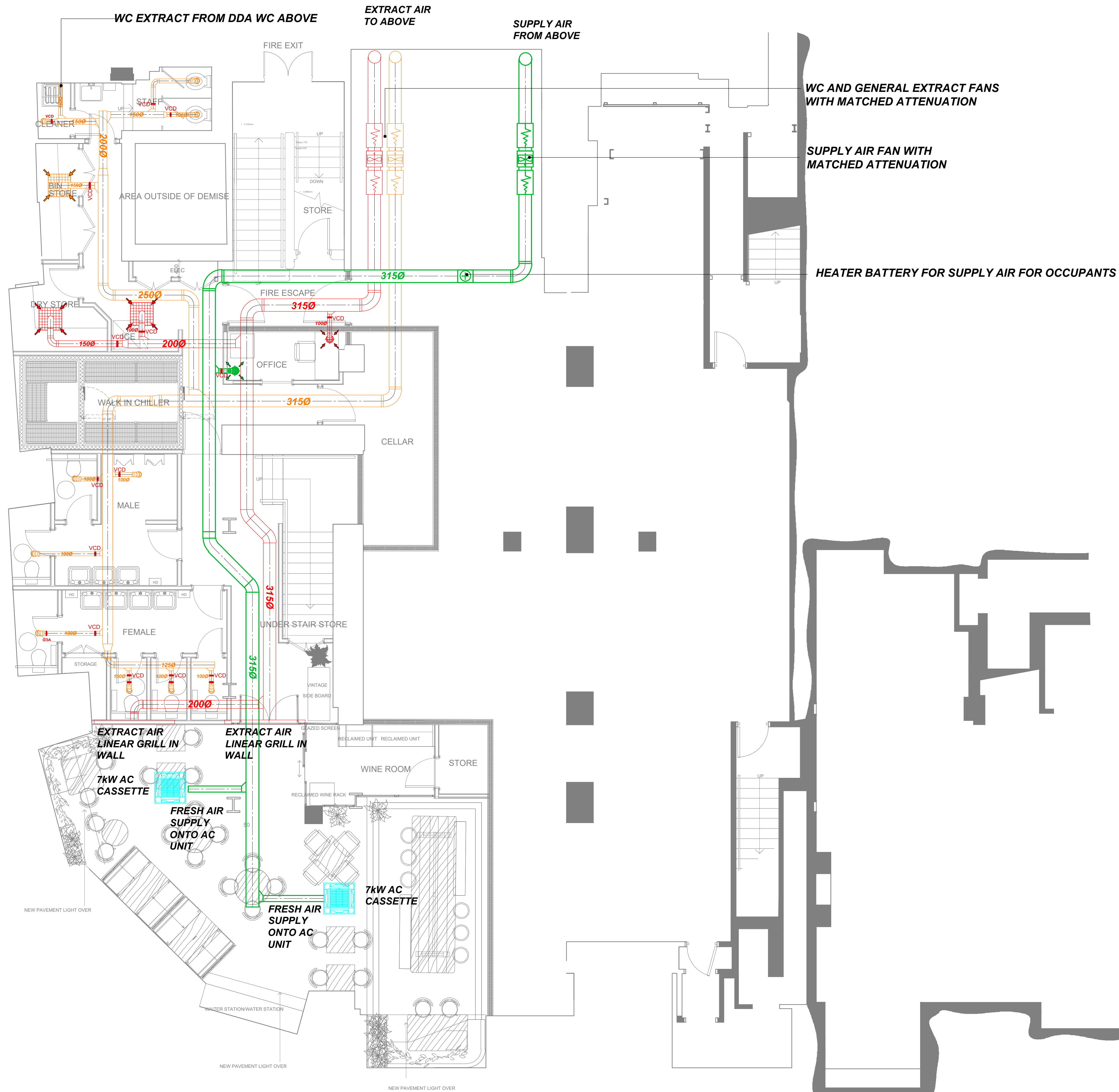
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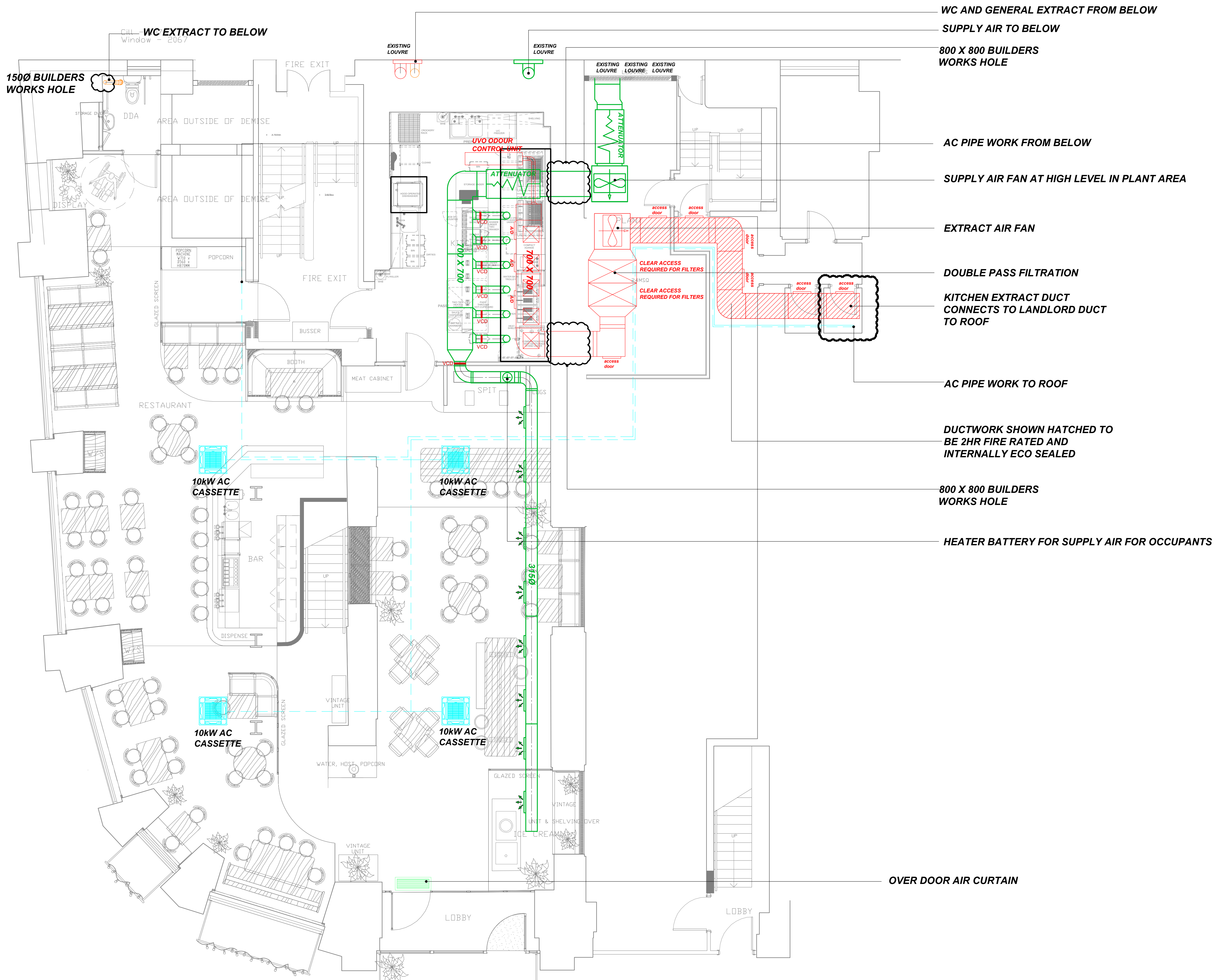
Issue: **Provisional** ☒ **Approved** ☐ **As Built** ☐ **Current** ☐

Site Address:
Flat Iron
Manchester

Drawing Title:
Proposed Basement HVAC
Layout

Drawing Number: 22329/001	Rev: B	Paper size: A1	Scale: 1:50
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NOTES:

DUCTWORK REQUIREMENTS
The kitchen extract system will be compliant with besa specification for kitchen ventilation systems DW/172. Internal surfaces of the kitchen extract systems will be rectangular and free of any irregularities which make grease accumulation more likely and cleaning more difficult.

The design will include access panels either side of every bend and at a maximum spacing of 1.5m in the horizontal ductwork, to facilitate manual cleaning. Access panels will be provided in sufficient number, quality and size, to enable unrestricted access for regular cleaning and inspection of the internal surfaces and in-line components. All access panels will be in accordance with the requirements of dw/144, dw/172 & tr/19

KITCHEN SUPPLY AIR
Where a kitchen supply air system is provided, it will be installed in accordance with DW172 section 6.
The supply system will be positioned as to not obstruct safe access to the kitchen extract system.

FILTRATION DUCTWORK CONNECTIONS
The ductwork installed either side of the filters must be positioned centrally in relation to the filter.
Ductwork plenums sized and designed so an equal distribution of air passes through all sections of the filter, such that all of the air is filtered equally.

Location of fire dampers to be inline with building fire strategy

Volume control dampers to be fitted to all branch legs

-	-	-
-	-	-
B	03/04/23	Builders works holes highlighted
A	21/02/23	Drawing updated to latest base plan
Rev	Date	Description

FWP UK LTD
REFRIGERATION-AIR CONDITIONING-VENTILATION
17 Calverton Business Park
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tel: 0115 965 5042
web: fwpuk.com

Drawn:	Checked:	Date:
-	-	--/------

Issue: Provisional ☒ Approved ☐ As Built ☐ Current ☐

Site Address:
Flat Iron
Manchester

Drawing Title:
Proposed Ground Floor
HVAC Layout

Drawing Number:	Rev:	Paper size:	Scale:
22329/002	B	A1	1:50



NOTE
EXISTING LOUVRES TO BE
REPLACED WITH NEW
MODERN LOUVRES AND
FINISHED IN A RAL COLOUR
TO MATCH WINDOW FRAMES

WC AND GENERAL EXTRACT
AIR DISCHARGE LOUVRE
FROM BASEMENT

BASEMENT SUPPLY AIR
LOUVE (BEHIND VAN)

EXISTING LOUVRE TO BE
USED FOR SUPPLY AIR

-	-	-
-	-	-
-	-	-
-	-	-

Rev	Date	Description
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FWP
UK LTD

REFRIGERATION-AIR CONDITIONING-VENTILATION

17 Calverton Business Park
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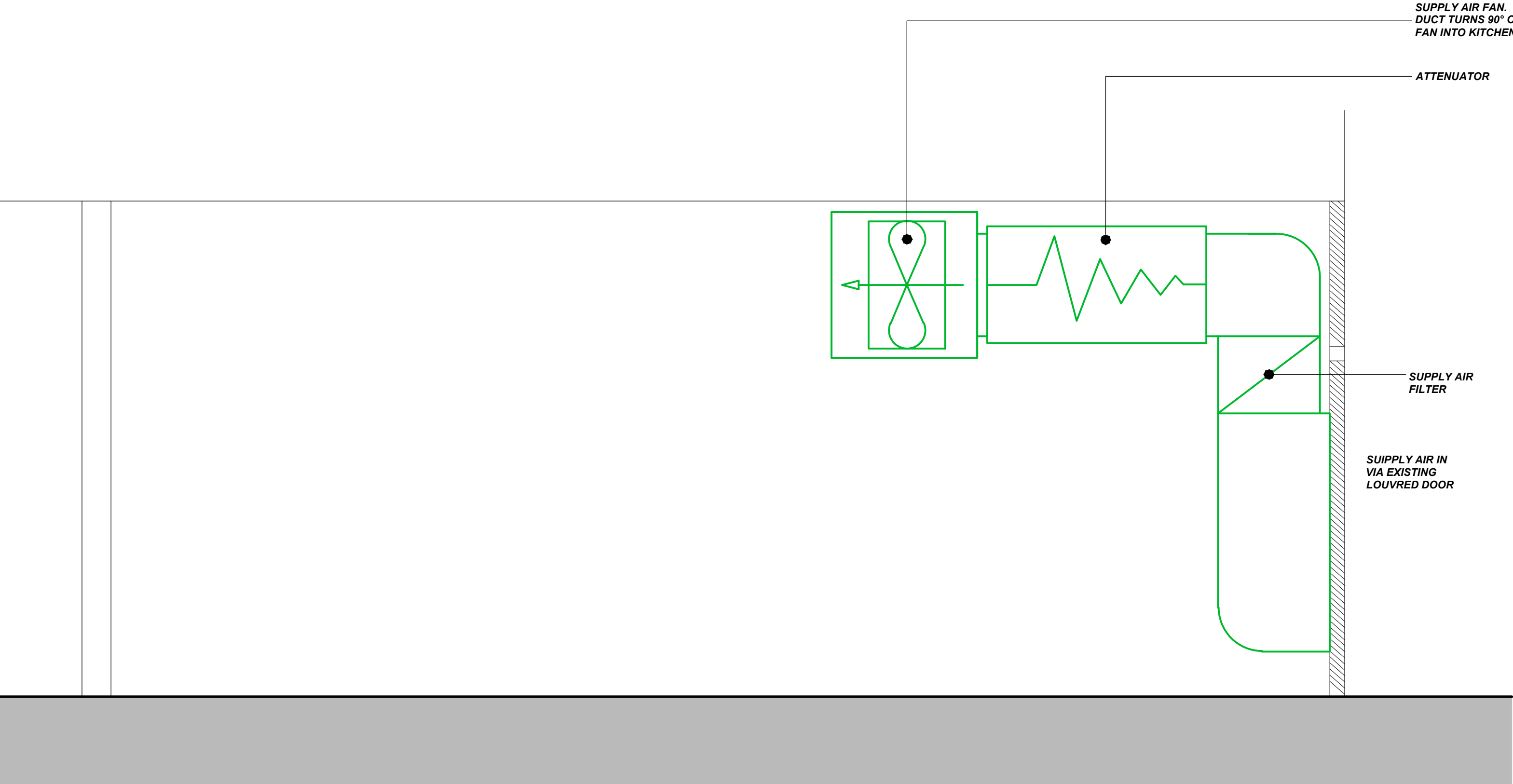
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Issue:
Provisional ☒ Approved ☐ As Built ☐ Current ☐

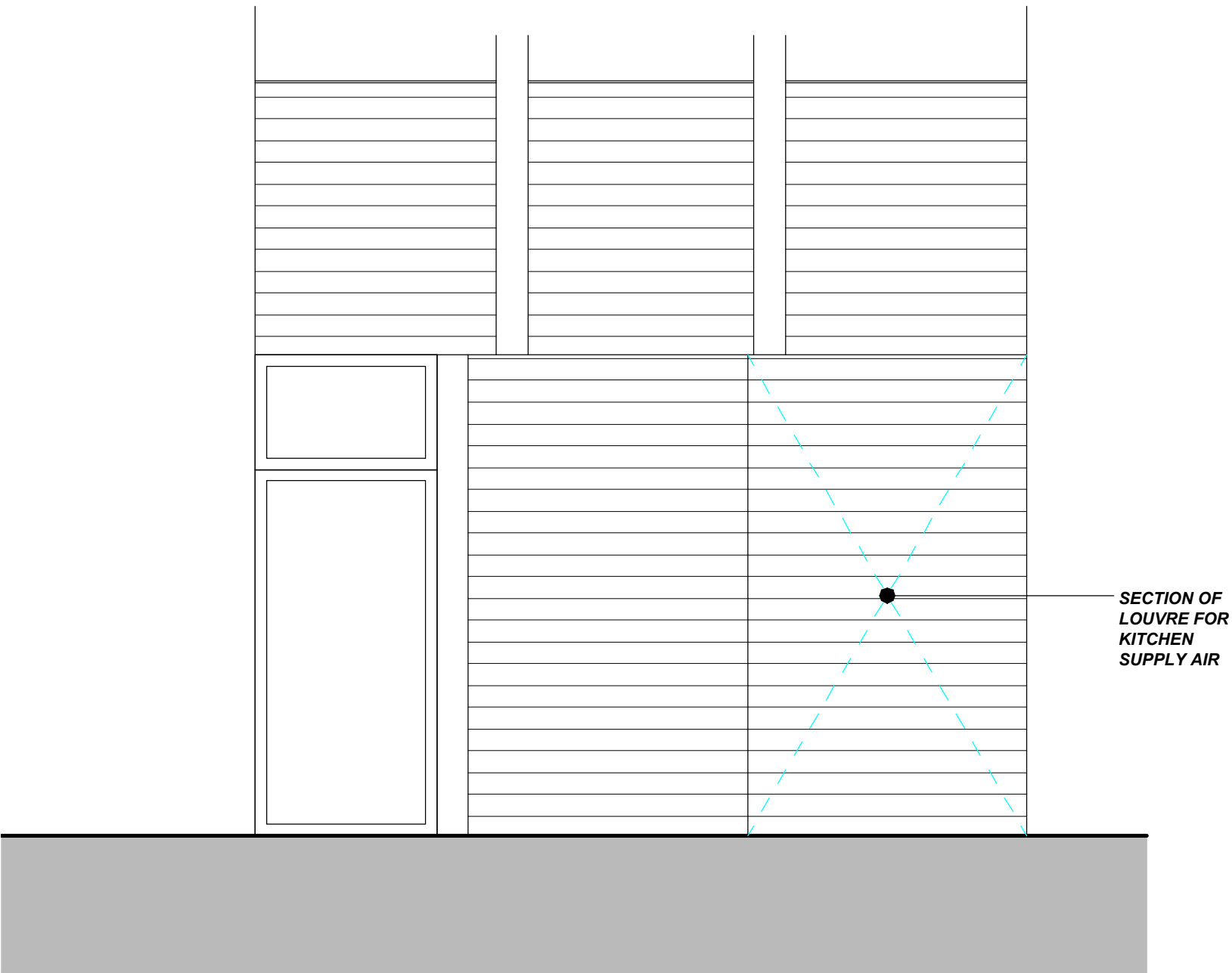
Site Address:
Flat Iron
Manchester

Drawing Title:
EXTERNAL REAR
LOUVRE DETAILS

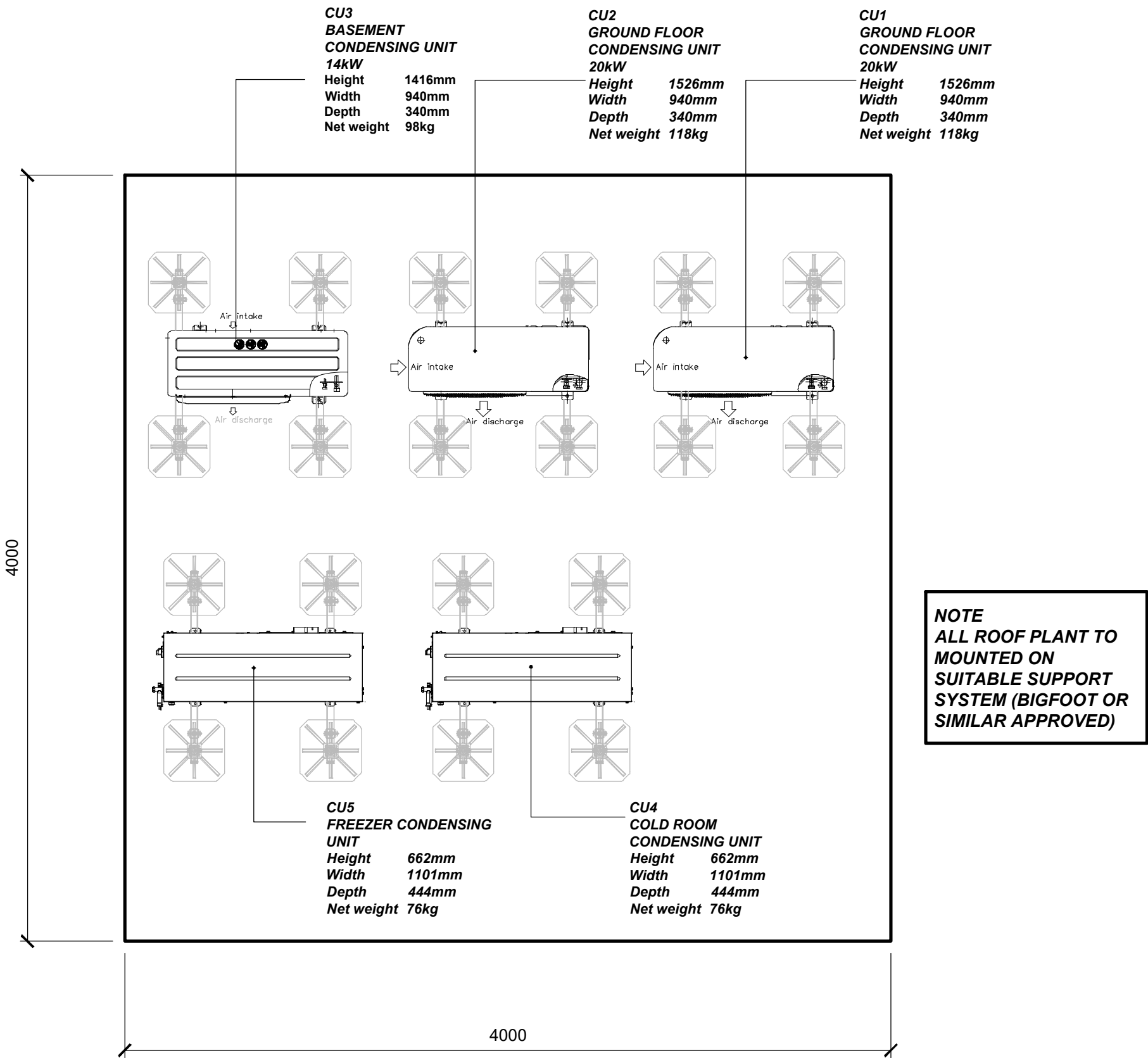
Drawing Number:	Rev:	Paper size:	Scale:
22329/003	-	A1	NTS



SECTION THROUGH SUPPLY DUCTWORK IN PLANT ROOM



TYPICAL ELEVATION ON REAR LOUVRE



TYPICAL PLAN OF CONDENSING UNITS ON ROOF

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-	-	-
A	03/03/23	Drawing updated
Rev	Date	Description
FWP UK LTD REFRIGERATION-AIR CONDITIONING-VENTILATION 17 Calverton Business Park Hoyle Road Calverton tel: 0115 965 5042 Nottingham NG14 6QL web: fwpuk.com		
Drawn:	Checked:	Date:
-	-	--/--/----
Issue: Provisional ☒ Approved ☐ As Built ☐ Current ☐		
Site Address: Flat Iron Manchester		
Drawing Title: Plant Room Sections & Rear Louvre Details		
Drawing Number: 22329/004	Rev: A	Paper size: A1
		Scale: 1:25