

COLDROOM CONTROL PANEL (TF1-15R)

Electrical Supply
1 Phase
20 Amps
Defrost load 2.25 kW (max)

Control panel depth allowance 150mm (to isolator switch)

Electrical supplies should be brought into our control panels, onto the condensing unit isolators, or via an external switch disconnector for purposes of safe isolation to meet the specification requirements of IEC 60947 (not a fused spur) within 1 metre of the equipment, supplied and fitted by the electrician.

The control panels will be mounted adjacent to the coldroom door on the latch side at high level unless agreed otherwise.

Control panels include terminals for connection to a BMS system or independent monitoring system. These contacts are assigned as normally open (NO) to alarm. Please see the control panel wiring diagram for further information.

PERSON TRAPPED ALARM UNIT (FREEZER COLDROOMS)

Electrical Supply
1 Phase
13 Amps

Alarm panel depth 85mm

The person trapped alarm unit is a separate alarm system which requires an independent power supply. The supply circuit must include suitably selected surge protection devices (SPDs) and electrical safety requirements for the building fixed wiring systems set out in accordance with BS7671: 2018 AMD 2 (18th Edition).

The person trapped alarm unit will be located adjacent to the freezer control panel unless agreed otherwise. It is important that the alarm unit is located in an area where personnel are normally present during your business operating times. If you require a separate alarm unit, please advise and we can prepare a quotation for an additional alarm unit for a secondary location as required.

COLDROOM PRESSURE RELIEF VALVE (NEGATIVE TEMP COLDROOMS)

DANGER
Disconnect electrical supply before working on this unit

A pressure relief valve (PRV) is designed to equalise pressure differences between the inside of the coldroom and the surrounding environment. When the door is opened, the refrigeration system cycles, or defrost cycles initiate, pressure changes will occur. The PRV ensures doors remain easy to open and close, and protects the overall integrity and performance of the coldroom.

The PRV is securely mounted within the coldroom insulated wall or ceiling panels in the most accessible position, generally above the doorway or adjacent to the control panel. Care must be taken to include this component within any ongoing inspection and maintenance schedules, to be carried out by suitably qualified engineers.

CHILLER REFRIGERATION UNIT (REMOTE TO 15m)

Electrical Supply
Phase TBC
Amps TBC

The remote refrigeration condensing unit is designed to maintain its holding temperature within the coldroom with a maximum ambient air temperature not exceeding 32 deg c. Condensing unit to be positioned 300mm off any wall to allow air on ventilation. Good access to be maintained to the front and sides for both ventilation and service access. Mounting at ground level is the preferred location.

FLOOR SECTION - CHILLER FLOORED (RECESSED)

1.6mm Rigidised galv steel finish
Insulated Wall Panel
Cam-Lock Assembly
Recess harkill by building contractor
Made up with polyurethane bonded to slotted aluminium skin base

SUB FLOOR TOLERANCE +/- 5mm OVER 3000mm
FLOOR MUST BE HARD, FLAT AND LEVEL

DOOR HEATER TRANSFORMER (NEGATIVE TEMP COLDROOMS)

DANGER
Disconnect electrical supply before working on this unit

A door frame heater is provided on negative temperature coldrooms to ensure the gasket remains ice free and prevent the door from freezing shut.

The door frame heater transformer is powered continuously to supply the low voltage heater wire at a constant temperature. Always isolate the electrical supply at the associated control panel before removing the cover.

The transformer is securely mounted upon the coldroom in the most accessible position possible generally above the doorway or adjacent to the control panel. Care must be taken to include this component within any ongoing inspection and maintenance schedules, to be carried out by suitably qualified engineers.

DRAIN LINE HEATERS (ELECTRICAL HEATERS WITHIN FREEZER DRAINS)

WARNING
This drain contains an internal electrical trace heater to avoid ice blockage.

ISOLATE at the control panel before repairing or dismantling this drain.

WARNING TO ALERT OPERATORS & MAINTENANCE PROVIDERS THAT ALL NEGATIVE TEMPERATURE COLDROOMS AND CONNECTED DRAINS CONTAIN ELECTRICAL HEATERS

FREEZER REFRIGERATION UNIT (REMOTE TO 15m)

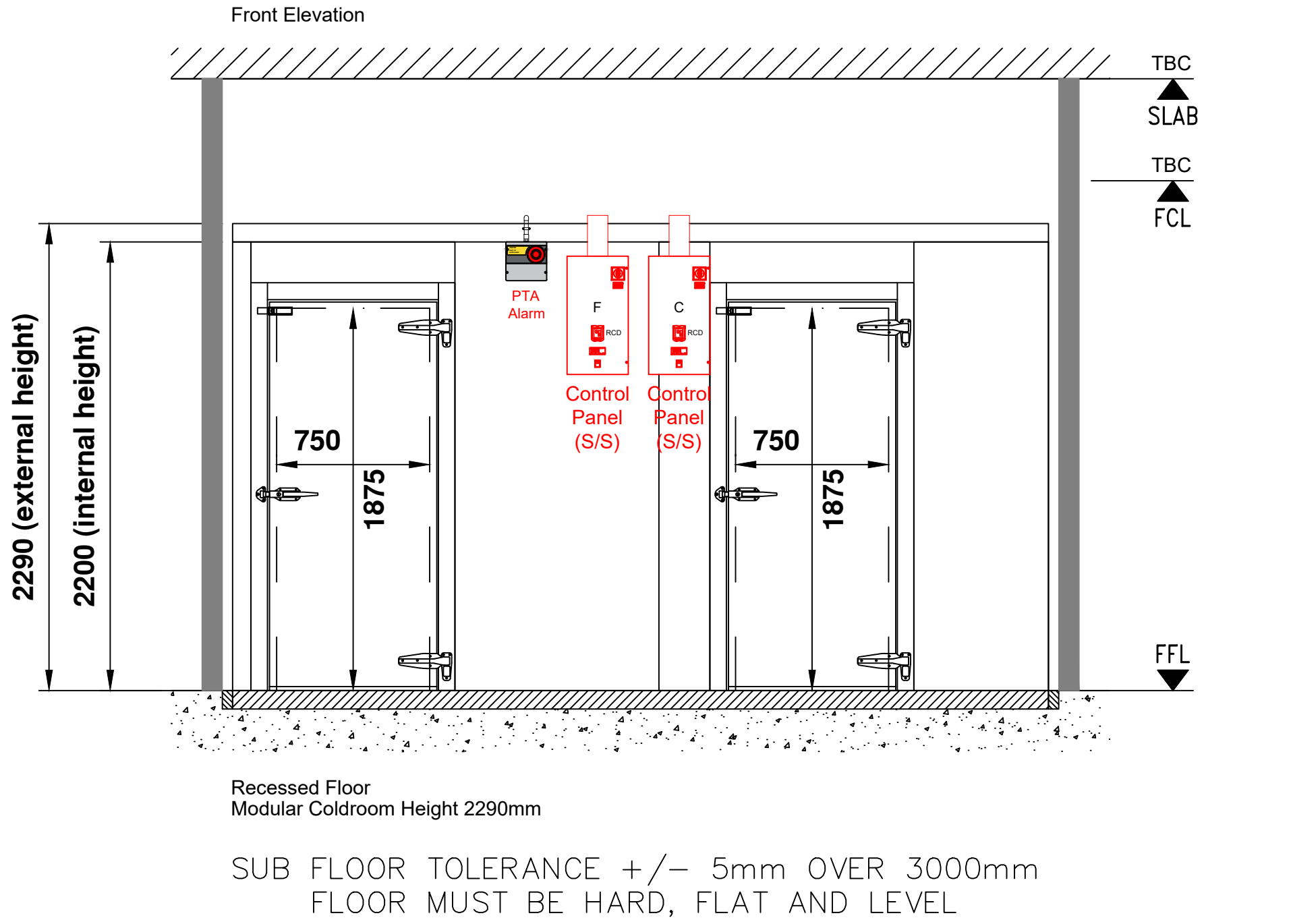
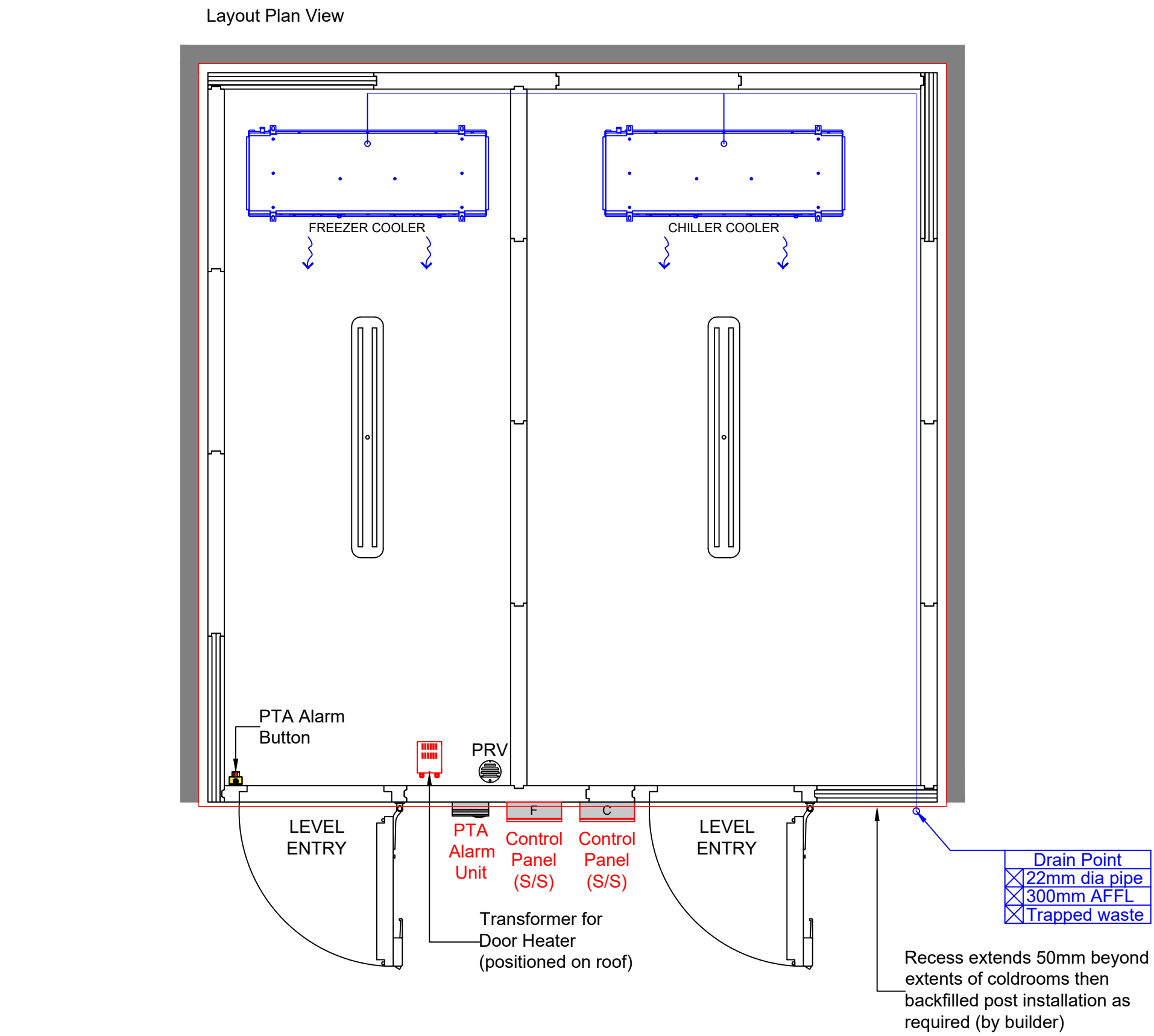
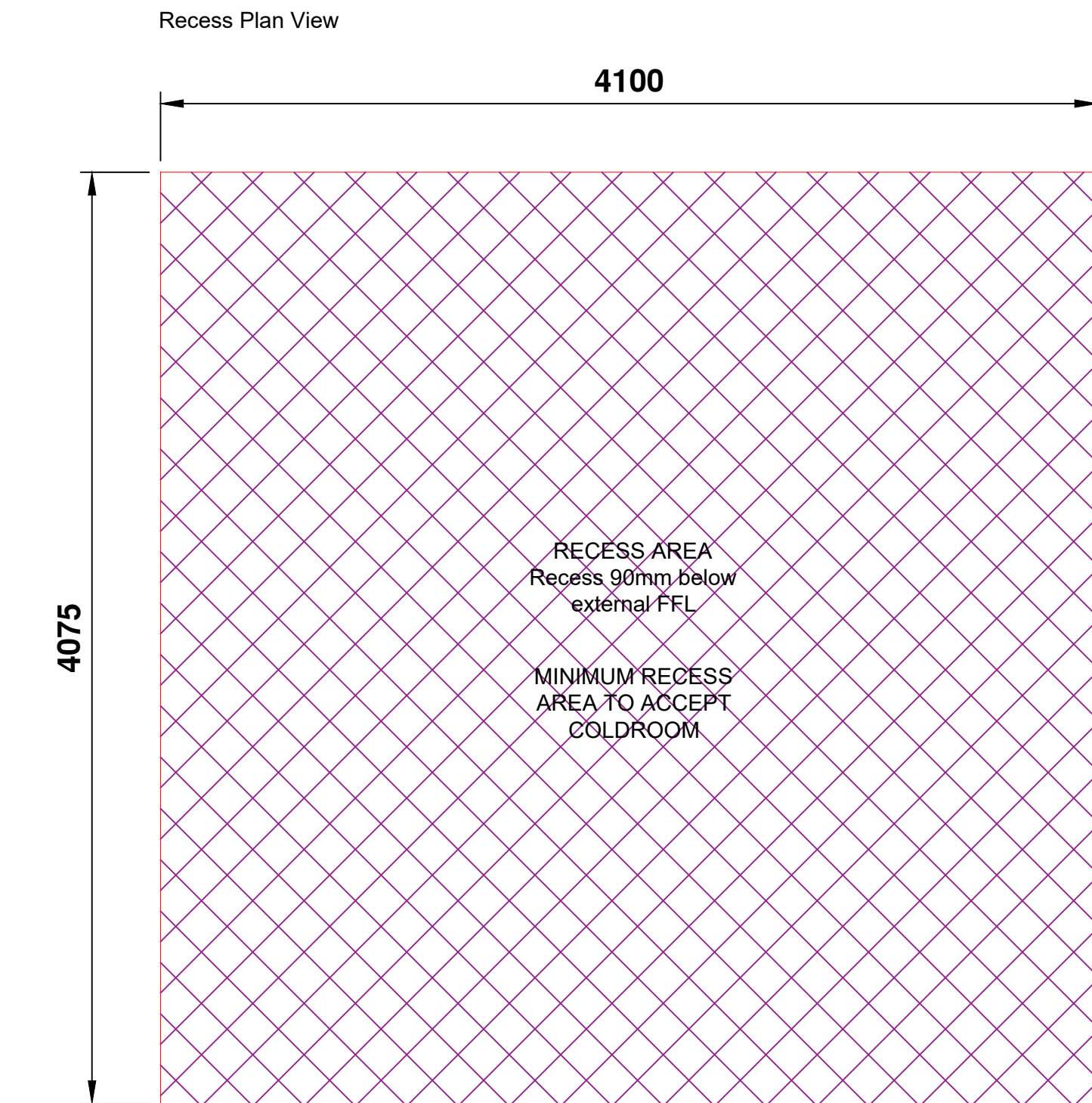
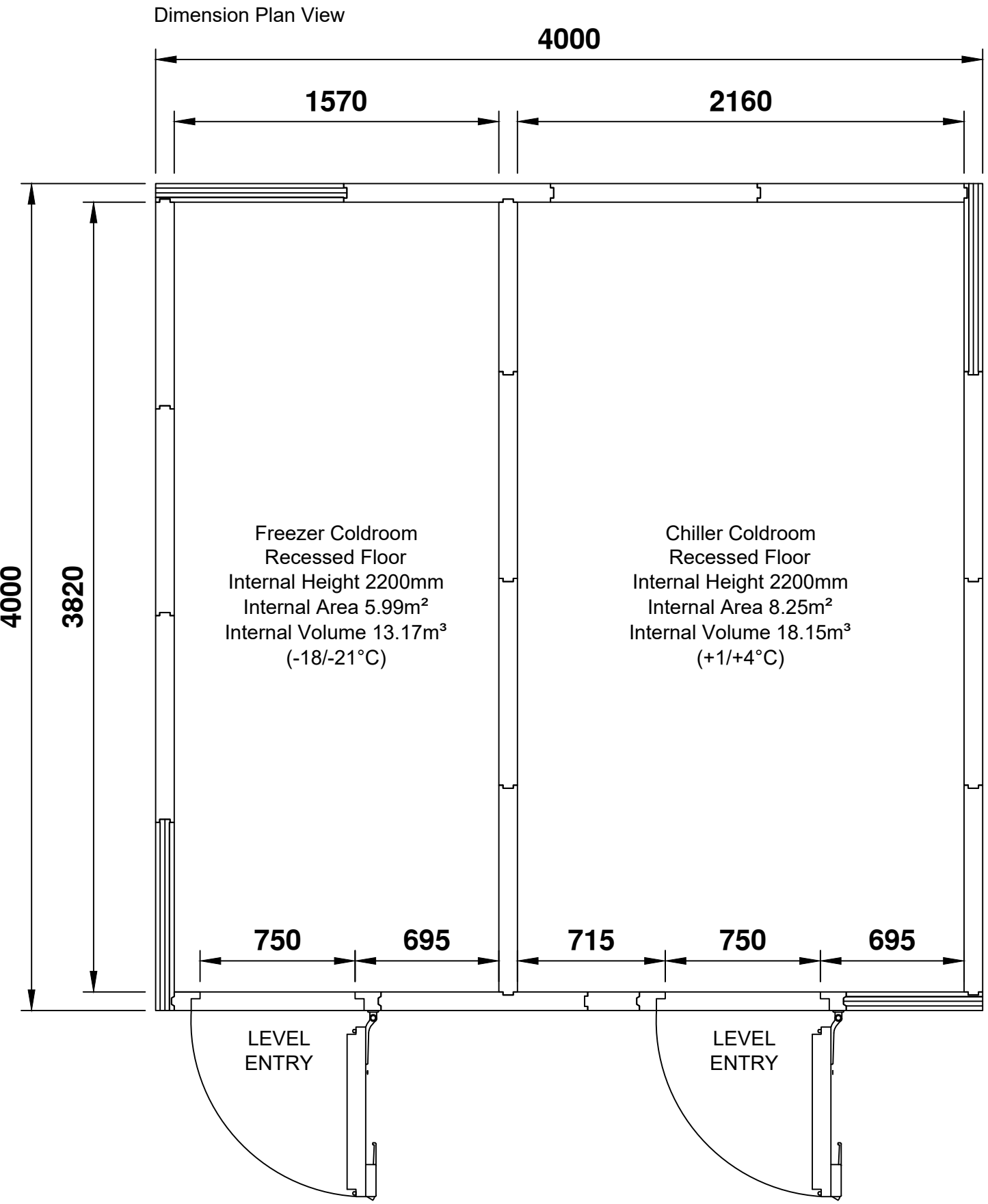
Electrical Supply
Phase TBC
Amps TBC

The remote refrigeration condensing unit is designed to maintain its holding temperature within the coldroom with a maximum ambient air temperature not exceeding 32 deg c. Condensing unit to be positioned 300mm off any wall to allow air on ventilation. Good access to be maintained to the front and sides for both ventilation and service access. Mounting at ground level is the preferred location.

FLOOR SECTION - FREEZER FLOORED (RECESSED / HEATER)

1.6mm Smooth galv steel finish
Insulated Wall Panel
Cam-Lock Assembly
Recess harkill by building contractor
Made up with polyurethane bonded to slotted aluminium skin base with foamed in heater mat

SUB FLOOR TOLERANCE +/- 5mm OVER 3000mm
FLOOR MUST BE HARD, FLAT AND LEVEL



WILLIAMS REFRIGERATION RETAIN COPYRIGHT ON THIS DRAWING.

DO NOT SCALE FROM DRAWING, USE MARKED DIMENSIONS.

WILLIAMS REFRIGERATION ARE TO BE NOTIFIED OF ANY DISCREPANCIES IMMEDIATELY .

IMPORTANT DETAILS

Note See corresponding quotation CE51634 dated 25/09/25	Note Coldroom Panels are 90mm thickness	Note Electrical supplies and isolators by site electrician
Note Please refer to our services requirements for further details	Note Coldroom internal heights 2200mm	Note Electrical supplies to be fed by appropriately rated breakers
Note Client to ensure building control approval as needed	Note Coldroom finished in white PVC plastic coat internally & externally	Note Condensing units require RCD protected electrical supplies
Note Client to obtain any authority consent prior to installation	Note Door clear openings 750mm x 1875mm	Note Interconnecting wiring not shown on drawing
Note Client to confirm that Asbestos is not present in work area	Note Coldroom door fitted with lock and internal release	Note Person trapped alarm requires independent power supply
Note All associated builderswork by others	Note Strip curtain included to each doorway	Note Drain will be 22mm chromed copper tube and comp fittings
Note Floors to be leveled to accept coldroom by others	Note Shelving provider to check fitment within coldroom	Note Trapped tundish required within one metre of the coldroom
Note Cutting and sealing holes for all services by others	Note Coldrooms are not to be used as stores for other trades	Note Leak detection alarms not included within package
Note Pipes sleeves and fire stopping, by others as required	Note Occupancy alarms not included within package	

P01	15/01/26	FIRST ISSUE	RB
REV	DATE	DESCRIPTION	BY

REVISIONS

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Client:
C&C CATERING EQUIPMENT

Project:
BANK OF NEW YORK

Title:
COLDROOM LAYOUT
PLAN & ELEVATION

Area:
KITCHEN

Level:
LEVEL 6

Background:
NONE

Issue Status:
INFORMATION

Drawn By:
SQ

Check By:
RB

Scale:
1:25 @ A1

Date:
19/12/25

DWG No:
BNYM-CCC-ZZ-06-DR-CA-100001

REV:
P01