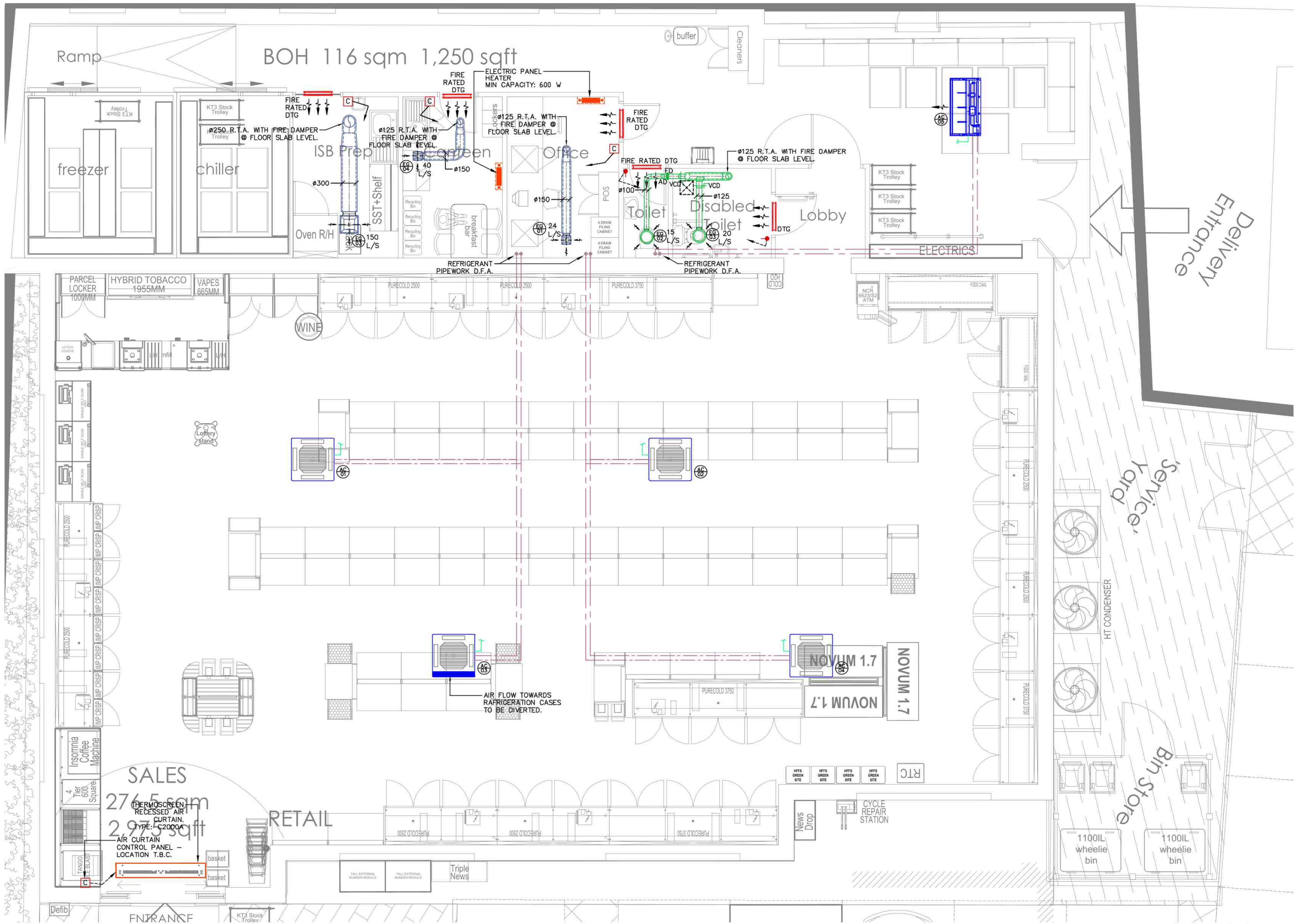


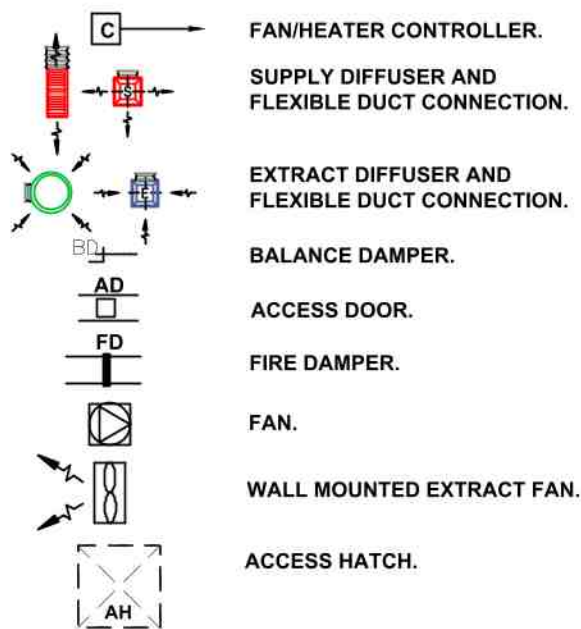


Heating & Ventilation Layout,
Ground Floor,
Scale 1:50

CE COOP Desford – EXTRACT GRILLES SCHEDULE						
Ref No	Manufacturer	Type / Model	Size	Flow Rate [l/s]	Pressure Drop [Pa]	NR [dB]
EG01	WATERLOO AIR PRODUCTS	LOUVERED FACE DIFFUSER / DF41	150x150	24	8	–
EG02	WATERLOO AIR PRODUCTS	AIR VALVE / RWV	100	15	4	–
EG03	WATERLOO AIR PRODUCTS	AIR VALVE / RWV	125	20	4	–
EG04	WATERLOO AIR PRODUCTS	LOUVERED FACE DIFFUSER / DF41	375x375	150	10	–

CE COOP Desford – AIR CONDITIONING UNITS SCHEDULE							
Ref No	Location	Manufacturer	Model	Description	Cooling Capacity [kW]	Heating Capacity [kW]	SPL [dB(A)]
AC01	SALES AREA	mitsubishi electric	PLA-M100-EA2	CASSETTE INTERNAL UNIT	8.65	9.63	40
AC02	SALES AREA	mitsubishi electric	PLA-M100-EA2	CASSETTE INTERNAL UNIT	8.65	9.63	40
AC03	SALES AREA	mitsubishi electric	PLA-M100-EA2	CASSETTE INTERNAL UNIT	8.65	9.63	40
AC04	SALES AREA	mitsubishi electric	PLA-M100-EA2	CASSETTE INTERNAL UNIT	8.65	9.63	40
AC05	WAREHOUSE	mitsubishi electric	PCA-M100-KA2	CEILING SUSP. INTERNAL UNIT	9.2	9.5	43

VENTILATION LEGEND



NOTES

DO NOT SCALE FROM THIS DRAWING.
ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.

KEY

NOTES

- THIS LAYOUT SHALL BE READ IN CONJUNCTION WITH ALL OTHER LAYOUTS, MECHANICAL, ELECTRICAL, ARCHITECTURAL & STRUCTURAL.
- THIS LAYOUT SHALL BE READ IN CONJUNCTION WITH THE MECHANICAL SPECIFICATION.
- THIS LAYOUT SHOWS AN INTENT PROPOSAL; THE CONTRACTOR'S OBLIGATION AND DESIGN RESPONSIBILITY ARE DEFINED IN THE SPECIFICATION.
- ALLOW TO OFFSET DUCTWORK WHEREVER DUCTWORK PASSES THROUGH WALLS, CEILINGS OR FLOORS TO ALLOW FOR POSSIBLE STRUCTURAL OBSTRUCTIONS.
- FIRE DAMPERS TO BE PROVIDED WHEREVER DUCTWORK PASSES THROUGH FIRE BARRIERS.
- ALL FIRE DAMPERS TO BE PROVIDED WITH ACCESS DOORS. ACCESS DOORS TO BE SITED IN DUCTWORK IN ACCESSIBLE LOCATIONS. ACCESS TO FIRE DAMPERS IN DUCTWORK 1500 AND LESS TO BE VIA REMOVABLE SECTIONS OF DUCTWORK.
- BALANCE DAMPERS TO BE PROVIDED AT ALL BRANCH CONNECTIONS.
- DUCTWORK TYPE MATERIALS, CONSTRUCTION, INSTALLATION ALL TO COMPLY WITH DW144 & ALL CURRENT AMENDMENTS.
- ALL SUPPLY DUCTWORK TO BE THERMALLY INSULATED.
- ALL EXTRACT DUCTWORK (WHERE SERVICE IS USED FOR HEAT RECOVERY) TO BE THERMALLY INSULATED.
- CONTRACTOR TO INCLUDE FOR ALL STEELWORK & BRACKETS TO SUPPORT PLANT & DUCTWORK.
- ALL DUCTWORK, DIFFUSERS, GRILLES & LOUVRES ETC TO BE COORDINATED WITH OTHER SERVICES, STRUCTURAL & ARCHITECTURAL LAYOUTS.
- ALL DUCTWORK TO BE PROVIDED WITH IDENTIFICATION TO COMPLY WITH BS & CURRENT AMENDMENTS.
- ALL DUCT SIZES, FLOW RATES, VELOCITIES AND PERFORMANCE CRITERIA BASED ON CIRCULAR. THE CONTRACTOR MAY RECONFIGURE THE DUCTS TO SUIT SITE CONDITIONS - HOWEVER THE CHANGES SHALL NOT ALTER THE PERFORMANCE CRITERIA.
- UNITS AND PIPEWORK ARE ISOLATED FROM THE BUILDING WITH ANTI-VIBRATION MOUNTS / RESILIENT PIPE MOUNTS, AND FLEXIBLE COUPLINGS FITTED BETWEEN THE UNIT AND PIPEWORK.

Rev	Date	Description	Drawn By
P6	17-02-25	NOTE 15 ADDED	JK
P5	03-01-25	AC SELECTION ADDED	JK
P4	23-12-24	AC VRF CHANGED TO SPLIT	JK
P3	20-12-24	AC EXTERNAL UNIT MOVED, LAYOUT UPDATED	JK
P2	18-09-23	AC SCHEDULE UPDATED	JK
P1	15-09-23	PRELIMINARY ISSUE	JK

Client

central coop

Project
DESDFORD
HIGH STREET, LE9 9JF
Drawing Title
GROUND FLOOR MECHANICAL SERVICES
AC & VENTILATION LAYOUT

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Drawing Status			
PRELIMINARY			
Scale	Date	Drawn By	Checked
1:50 @ A1	SEP 2023	JK	DB
Project No.	Drawing No.		Revision
9824	M01		P6