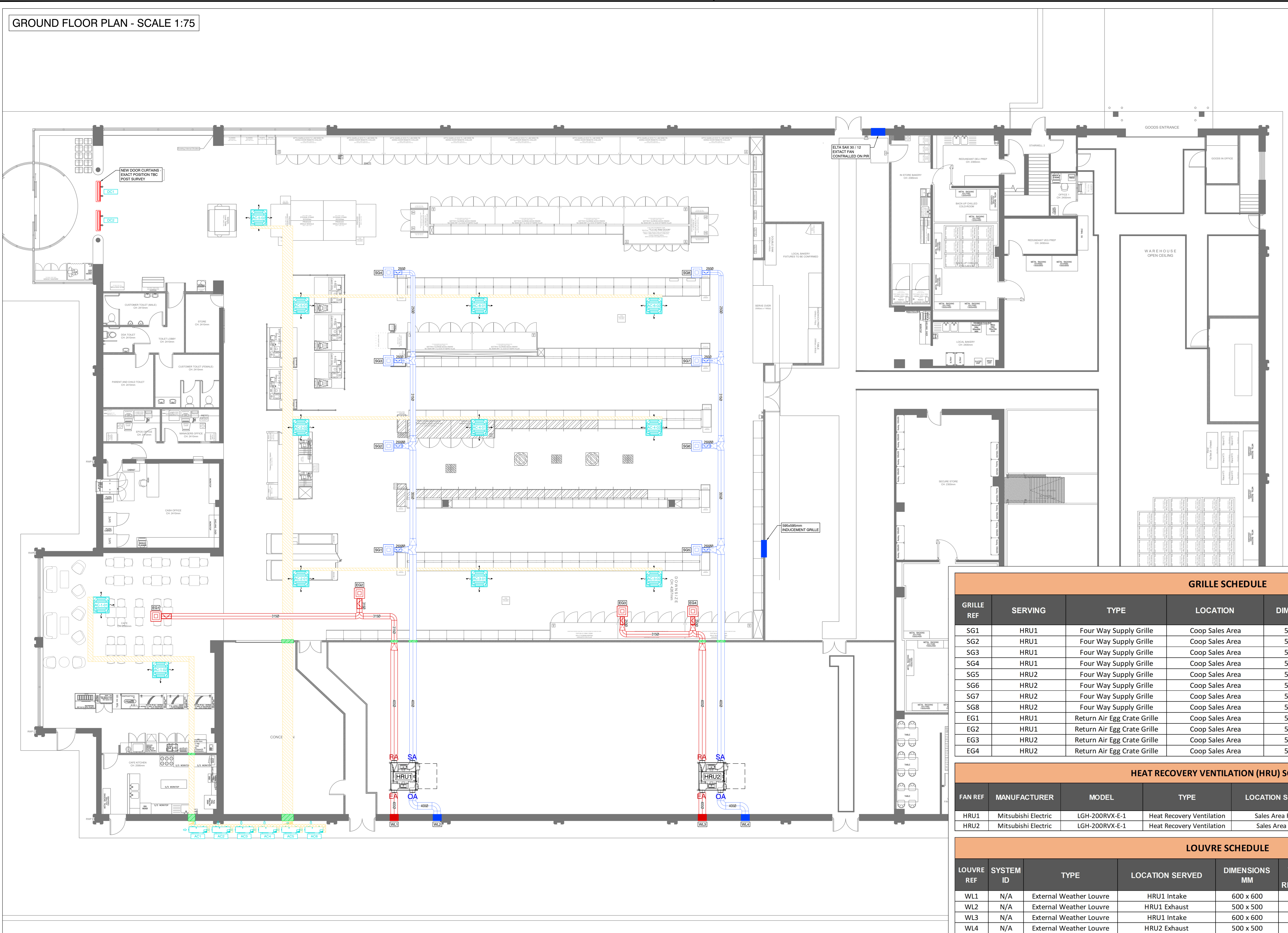


GROUND FLOOR PLAN - SCALE 1:75



- AIR CONDITIONING & HRU SCHEDULE:**
CAFE
 AC1-1 Mitsubishi PLA-ZM71
 AC1-2 Mitsubishi PLA-ZM71
 AC1 - PUZ-M140VKA R32
- SALES FLOOR**
 AC2-1 Mitsubishi PLA-ZM125
 AC2-2 Mitsubishi PLA-ZM125
 AC2 - PUZ-M250YKA R32
- AC3-1 Mitsubishi PLA-ZM125
 AC3-2 Mitsubishi PLA-ZM125
 AC3 - PUZ-M250YKA R32
- AC4-2 Mitsubishi PLA-ZM125
 AC4-2 Mitsubishi PLA-ZM125
 AC4 - PUZ-M250YKA R32
- AC5-2 Mitsubishi PLA-ZM125
 AC5-2 Mitsubishi PLA-ZM125
 AC5 - PUZ-M250YKA R32
- AC6-2 Mitsubishi PLA-ZM125
 AC6-2 Mitsubishi PLA-ZM125
 AC6 - PUZ-M250YKA R32
- FRESH AIR
 HRU1 Mitsubishi LGH2000RVX-E x 2 - TBC

GRILLE SCHEDULE									
GRILLE REF	SERVING	TYPE	LOCATION	DIMENSIONS	PLENUM BOX	PLENUM SPIGOT	FLOW RATE (L/S)	COLOUR / FINISH	
SG1	HRU1	Four Way Supply Grille	Coop Sales Area	595 x 595	Yes	250 dia	138 L/S	White	
SG2	HRU1	Four Way Supply Grille	Coop Sales Area	595 x 595	Yes	250 dia	138 L/S	White	
SG3	HRU1	Four Way Supply Grille	Coop Sales Area	595 x 595	Yes	250 dia	138 L/S	White	
SG4	HRU1	Four Way Supply Grille	Coop Sales Area	595 x 595	Yes	250 dia	138 L/S	White	
SG5	HRU2	Four Way Supply Grille	Coop Sales Area	595 x 595	Yes	250 dia	138 L/S	White	
SG6	HRU2	Four Way Supply Grille	Coop Sales Area	595 x 595	Yes	250 dia	138 L/S	White	
SG7	HRU2	Four Way Supply Grille	Coop Sales Area	595 x 595	Yes	250 dia	138 L/S	White	
SG8	HRU2	Four Way Supply Grille	Coop Sales Area	595 x 595	Yes	250 dia	138 L/S	White	
EG1	HRU1	Return Air Egg Crate Grille	Coop Sales Area	595 x 595	Yes	315 dia	270 L/S	White	
EG2	HRU1	Return Air Egg Crate Grille	Coop Sales Area	595 x 595	Yes	315 dia	270 L/S	White	
EG3	HRU2	Return Air Egg Crate Grille	Coop Sales Area	595 x 595	Yes	315 dia	270 L/S	White	
EG4	HRU2	Return Air Egg Crate Grille	Coop Sales Area	595 x 595	Yes	315 dia	270 L/S	White	

HEAT RECOVERY VENTILATION (HRU) SCHEDULE									
FAN REF	MANUFACTURER	MODEL	TYPE	LOCATION SERVED	STATIC PRESSURE Pa	FLOW RATE L/S	ELECTRICAL REQUIREMENTS	FUSE RATING	
HRU1	Mitsubishi Electric	LGH-200RVX-E-1	Heat Recovery Ventilation	Sales Area Front	N/A	550	220-240V/1/50HZ	10 AMP	
HRU2	Mitsubishi Electric	LGH-200RVX-E-1	Heat Recovery Ventilation	Sales Area Rear	N/A	550	220-240V/1/50HZ	10 AMP	

LOUVRE SCHEDULE									
LOUVRE REF	SYSTEM ID	TYPE	LOCATION SERVED	DIMENSIONS MM	APERTURE SIZE REQUIRED MM	RAL No.	FLOW RATE (L/S)	NOTES	
WL1	N/A	External Weather Louvre	HRU1 Intake	600 x 600	610 x 610	TBC	0.55	C/W BIRD MESH	
WL2	N/A	External Weather Louvre	HRU1 Exhaust	500 x 500	510 x 510	TBC	0.55	C/W BIRD MESH	
WL3	N/A	External Weather Louvre	HRU1 Intake	600 x 600	610 x 610	TBC	0.55	C/W BIRD MESH	
WL4	N/A	External Weather Louvre	HRU2 Exhaust	500 x 500	510 x 510	TBC	0.55	C/W BIRD MESH	

AB Group - Head Office
Bank Chambers, 2 Church Street, Reigate, Surrey, RH2 0AN.
Tel: 0333 9000 180 Web: abgroup.com

LEGEND

EXTRACT GRILLE	TRANSFER/EXTRACT TABLE	EXTRACT/SUPPLY AIR VALVE	VOLUME CONTROL DAMPER	REFRIGERATION & AIR CONDITIONING PIPE AND CABLES ROUTE - HIGH LEVEL
SUPPLY GRILLE	SPIRAL EXTRACT AIR DUCT	EXTRACT/SUPPLY SILENCER	FILTER	REFRIGERATION & AIR CONDITIONING PIPE AND CABLES ROUTE - LOW LEVEL
INLINE EXTRACT FAN	SPIRAL SUPPLY AIR DUCT	EGG CRATE GRILLE	AC CEILING CASSETTE UNIT	SERVICES PENETRATION THROUGH WALL**
HEATER, DOOR CURTAIN	EXTRACT/SUPPLY AIR DUCT RISER	AIR TRANSFER GRILLE	AC WALL MOUNTED CASSETTE	
WEATHER LOUVRE	ATTENUATOR	DOOR UNDERCUT	AC B/C BOX	
ACCESS PANEL	BELLMOUTH	FIRE DAMPER		
HRU				
AIR TRANSFER GRILLE				

**BUILDERS WORKS IN CONNECTION - TO BE CARRIED OUT BY MAIN CONTRACTOR

REFERENCE NOTES

A EMERGENCY CO2 EXTRACT DUCT WORK TO DROP TO LOW LEVEL AND TERMINATE BY CO2 PACK, MESH END TO BE FITTED.

B FAN SPEED CONTROLLER TO BE FITTED TO BAKERY EXTRACT FAN TO ACHIEVE CALCULATED FLOW.

C DOOR CURTAIN TO BE FITTED WITH LOCAL CONTROLLER AND EXTERNAL TEMPERATURE SENSOR.

D WEATHER LOUVRES TO BE POWDER COATED (RAL TBC).

E VOLUME CONTROL DAMPER TO BE FITTED TO HRU SUPPLY AND EXTRACT TERMINALS.

F ATTENUATION TO BE FITTED TO FAN LOAD AND ATMOSPHERE DUCTING.

DRAWING SCALE 1:75

DRAWING REVISIONS

REV	DATE	DETAILS	DRAWN	REV	DATE	DETAILS	DRAWN
01	24.07.23	Preliminary Issue	MM				
02	05.10.23	Schema changed from DX AHU to Cassette.	MM				

PRELIMINARY

SITE ADDRESS:
CO-OP TELFORD STREET
INVERNESS

DRAWING TITLE:
VENTILATION SERVICES LAYOUT

CONSULTANT: CHRIS MILES
 DESIGN ENGINEER: CHRIS MILES
 DATE: 05.10.2023 Drawn By: KM
 CHECKED BY: CM SCALE: 1:75 @A0
 CONTRACT No: QR DERIVED FILE: TELFORD-P6
 Drawing No: CM1 (A0) REVISION: 01