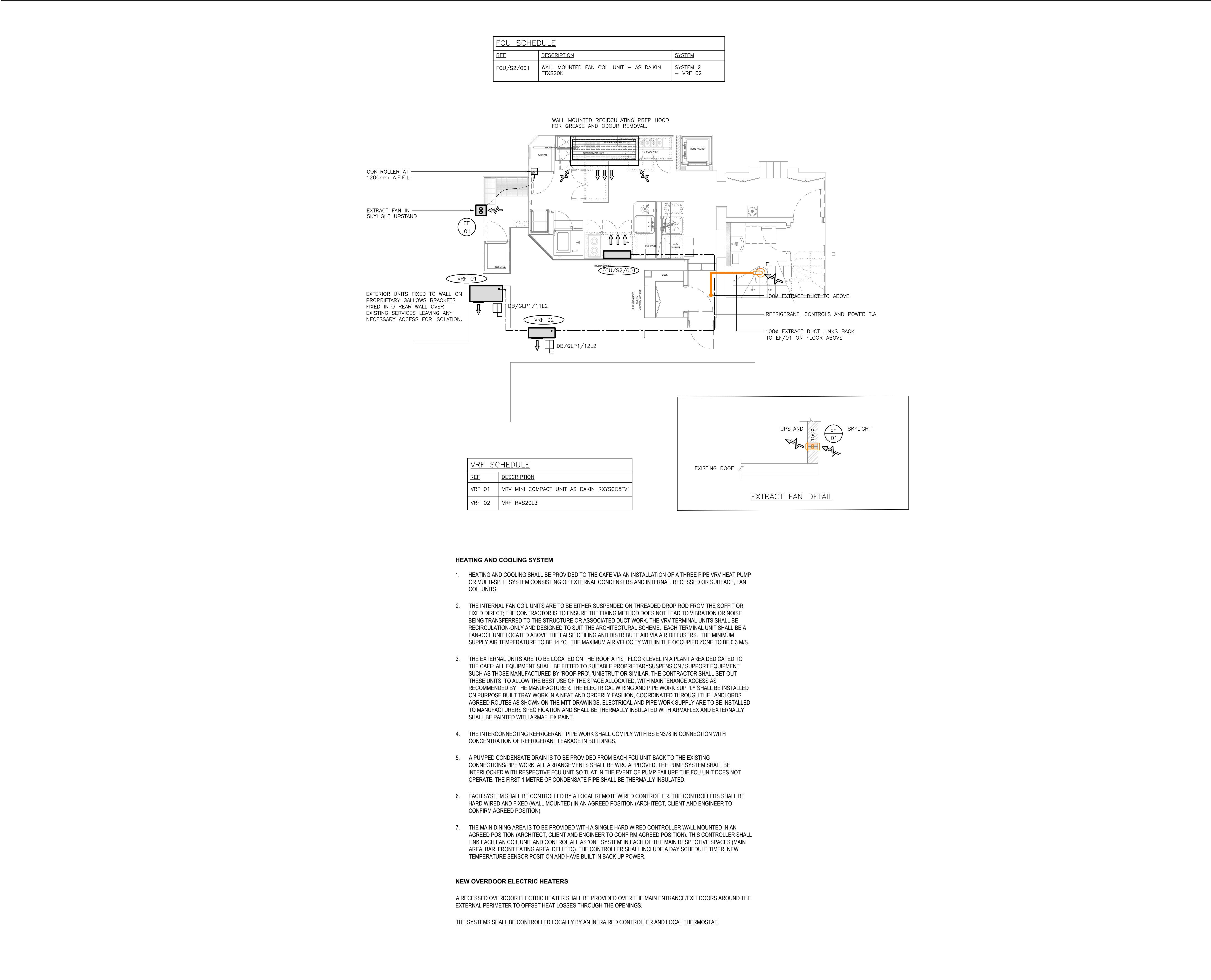




REV	DESCRIPTION	BY	DATE
T1	TENDER ISSUE	CAD	21.02.17
T2	VRV PLANT RELOCATED TO LOWER GROUND FLOOR LEVEL.	CAD	29.03.17

REFERENCE DRAWINGS

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NOTES:

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HAND CRAFTED
LOLA'S
cupcakes

BOCCA
CONSULTING

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PROJECT

168 WEST END LANE,
HAMPSTEAD,
LONDON

CLIENT

LOLA'S CUPCAKES

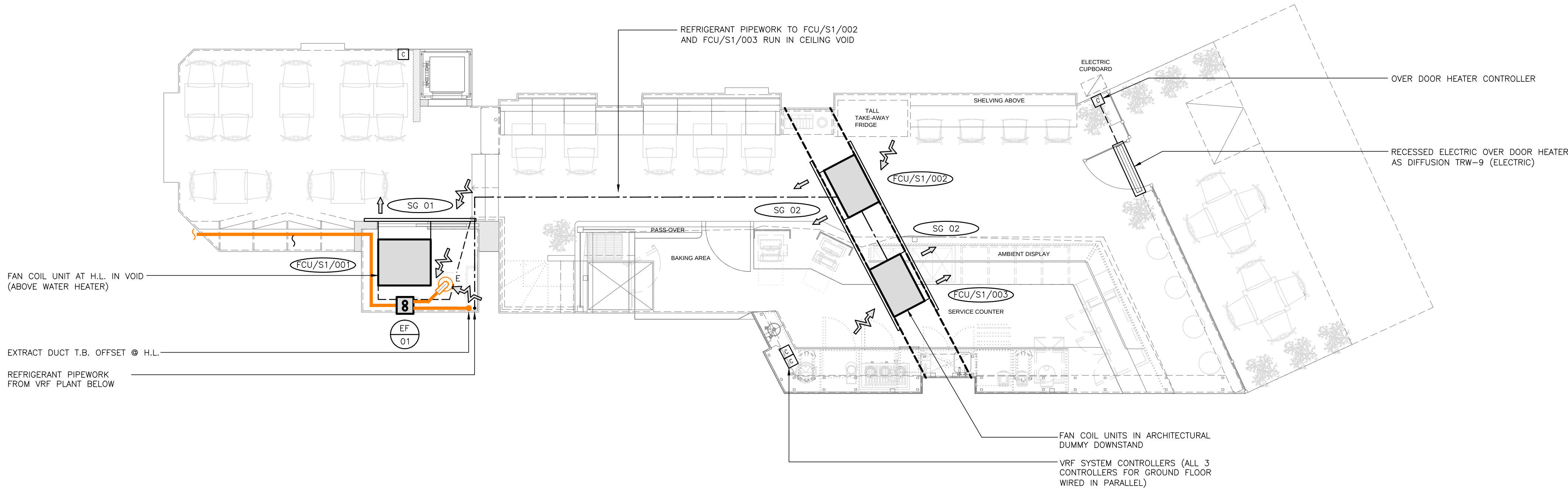
TITLE

LOWER GROUND FLOOR
HEATING AND VENTILATION

TENDER ISSUE

PROJECT No	DESIGNED	DRAWN	SCALE
BCL122	MB	CAD	1:50

DRAWING No	ISSUE/AMT
M_GA_001	T2



VRF SCHEDULE	
REF	DESCRIPTION
VRF 01	VRV MINI COMPACT UNIT AS DAKIN RXYSQ5TV1
VRF 02	VRF RXS20L3

FAN SCHEDULE	
REF	DESCRIPTION
EF/01	CMEV UNIT AS TITON CME 2Q PLUS

FCU SCHEDULE		
REF	DESCRIPTION	SYSTEM
FCU/S1/001	2.2kW (SC) HORIZONTAL RECESSED FAN COIL UNIT – AS DAKIN FXDQ32A	SYSTEM 1 – VRF 01
FCU/S1/002	3.5kW (SC) HORIZONTAL RECESSED FAN COIL UNIT – AS DAKIN FXDQ50A	SYSTEM 1 – VRF 01
FCU/S1/003	3.5kW (SC) HORIZONTAL RECESSED FAN COIL UNIT – AS DAKIN FXDQ50A	SYSTEM 1 – VRF 01
FCU/S2/001	WALL MOUNTED FAN COIL UNIT – AS DAKIN FTXS20K	SYSTEM 2 – VRF 02

- NOTES:
- REFER WILLIAM MCINTYRE OF DAKIN FOR VRF EQUIPMENT UNIT SPECIFICATION AND LATEST QUOTATION (TO BE QUALIFIED BY TENDERING AND INSTALLATION CONTRACTOR).
CONTACT:
EMAIL – MCINTYRE.W@DAKIN.CO.UK
PHONE – 07773782730
 - ACCESS PANELS AS MANUFACTURERS DIRECTION / ADVICE, TO BE PROVIDED AT ALL FCU LOCATIONS.

HEATING AND COOLING SYSTEM

- HEATING AND COOLING SHALL BE PROVIDED TO THE CAFE VIA AN INSTALLATION OF A THREE PIPE VRV HEAT PUMP OR MULTI-SPLIT SYSTEM CONSISTING OF EXTERNAL CONDENSERS AND INTERNAL, RECESSED OR SURFACE, FAN COIL UNITS.
- THE INTERNAL FAN COIL UNITS ARE TO BE EITHER SUSPENDED ON THREADED DROP ROD FROM THE SOFFIT OR FIXED DIRECT; THE CONTRACTOR IS TO ENSURE THE FIXING METHOD DOES NOT LEAD TO VIBRATION OR NOISE BEING TRANSFERRED TO THE STRUCTURE OR ASSOCIATED DUCT WORK. THE VRV TERMINAL UNITS SHALL BE RECIRCULATION-ONLY AND DESIGNED TO SUIT THE ARCHITECTURAL SCHEME. EACH TERMINAL UNIT SHALL BE A FAN-COIL UNIT LOCATED ABOVE THE FALSE CEILING AND DISTRIBUTE AIR VIA AIR DIFFUSERS. THE MINIMUM SUPPLY AIR TEMPERATURE TO BE 14 °C. THE MAXIMUM AIR VELOCITY WITHIN THE OCCUPIED ZONE TO BE 0.3 M/S.
- THE EXTERNAL UNITS ARE TO BE LOCATED ON THE ROOF AT 1ST FLOOR LEVEL IN A PLANT AREA DEDICATED TO THE CAFE; ALL EQUIPMENT SHALL BE FITTED TO SUITABLE PROPRIETARY SUSPENSION / SUPPORT EQUIPMENT SUCH AS THOSE MANUFACTURED BY 'ROOF-PRO', 'UNISTRUT' OR SIMILAR. THE CONTRACTOR SHALL SET OUT THESE UNITS TO ALLOW THE BEST USE OF THE SPACE ALLOCATED, WITH MAINTENANCE ACCESS AS RECOMMENDED BY THE MANUFACTURER. THE ELECTRICAL WIRING AND PIPE WORK SUPPLY SHALL BE INSTALLED ON PURPOSE BUILT TRAY WORK IN A NEAT AND ORDERLY FASHION, COORDINATED THROUGH THE LANDLORDS AGREED ROUTES AS SHOWN ON THE MTT DRAWINGS. ELECTRICAL AND PIPE WORK SUPPLY ARE TO BE INSTALLED TO MANUFACTURERS SPECIFICATION AND SHALL BE THERMALLY INSULATED WITH ARMAFLEX AND EXTERNALLY SHALL BE PAINTED WITH ARMAFLEX PAINT.
- THE INTERCONNECTING REFRIGERANT PIPE WORK SHALL COMPLY WITH BS EN378 IN CONNECTION WITH CONCENTRATION OF REFRIGERANT LEAKAGE IN BUILDINGS.
- A PUMPED CONDENSATE DRAIN IS TO BE PROVIDED FROM EACH FCU UNIT BACK TO THE EXISTING CONNECTIONS/PIPE WORK. ALL ARRANGEMENTS SHALL BE WRC APPROVED. THE PUMP SYSTEM SHALL BE INTERLOCKED WITH RESPECTIVE FCU UNIT SO THAT IN THE EVENT OF PUMP FAILURE THE FCU UNIT DOES NOT OPERATE. THE FIRST 1 METRE OF CONDENSATE PIPE SHALL BE THERMALLY INSULATED.
- EACH SYSTEM SHALL BE CONTROLLED BY A LOCAL REMOTE WIRED CONTROLLER. THE CONTROLLERS SHALL BE HARD WIRED AND FIXED (WALL MOUNTED) IN AN AGREED POSITION (ARCHITECT, CLIENT AND ENGINEER TO CONFIRM AGREED POSITION).
- THE MAIN DINING AREA IS TO BE PROVIDED WITH A SINGLE HARD WIRED CONTROLLER WALL MOUNTED IN AN AGREED POSITION (ARCHITECT, CLIENT AND ENGINEER TO CONFIRM AGREED POSITION). THIS CONTROLLER SHALL LINK EACH FAN COIL UNIT AND CONTROL ALL AS 'ONE SYSTEM' IN EACH OF THE MAIN RESPECTIVE SPACES (MAIN AREA, BAR, FRONT EATING AREA, DELI ETC). THE CONTROLLER SHALL INCLUDE A DAY SCHEDULE TIMER, NEW TEMPERATURE SENSOR POSITION AND HAVE BUILT IN BACK UP POWER.

NEW OVERDOOR ELECTRIC HEATERS

A RECESSED OVERDOOR ELECTRIC HEATER SHALL BE PROVIDED OVER THE MAIN ENTRANCE/EXIT DOORS AROUND THE EXTERNAL PERIMETER TO OFFSET HEAT LOSSES THROUGH THE OPENINGS.

THE SYSTEMS SHALL BE CONTROLLED LOCALLY BY AN INFRA RED CONTROLLER AND LOCAL THERMOSTAT.

REV	DESCRIPTION	BY	DATE
T1	TENDER ISSUE	CAD	21.02.17
T2	TENDER ISSUE	CAD	07.03.17
T3	MINOR CHANGES TO VRF PIPEWORK ROUTE	CAD	29.03.17

REFERENCE DRAWINGS

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- ALL EQUIPMENT SUPPLIES / CONNECTIONS TO BE COORDINATED WITH CATERING EQUIPMENT SUPPLIER BEFORE INSTALLATION.
- ALL EXTRACT GRILLES TO BE WATERLOO GRILLES VB EXHAUST VALVES

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HAND CRAFTED
LOLA'S
cupcakes

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PROJECT

168 WEST END LANE,
HAMPSTEAD,
LONDON

CLIENT

LOLA'S CUPCAKES

TITLE

GROUND FLOOR
HEATING AND VENTILATION

TENDER ISSUE

PROJECT No	DESIGNED	DRAWN	SCALE
BCL122	MB	CAD	1:50

DRAWING No	ISSUE/AMT
M_GA_002	T3