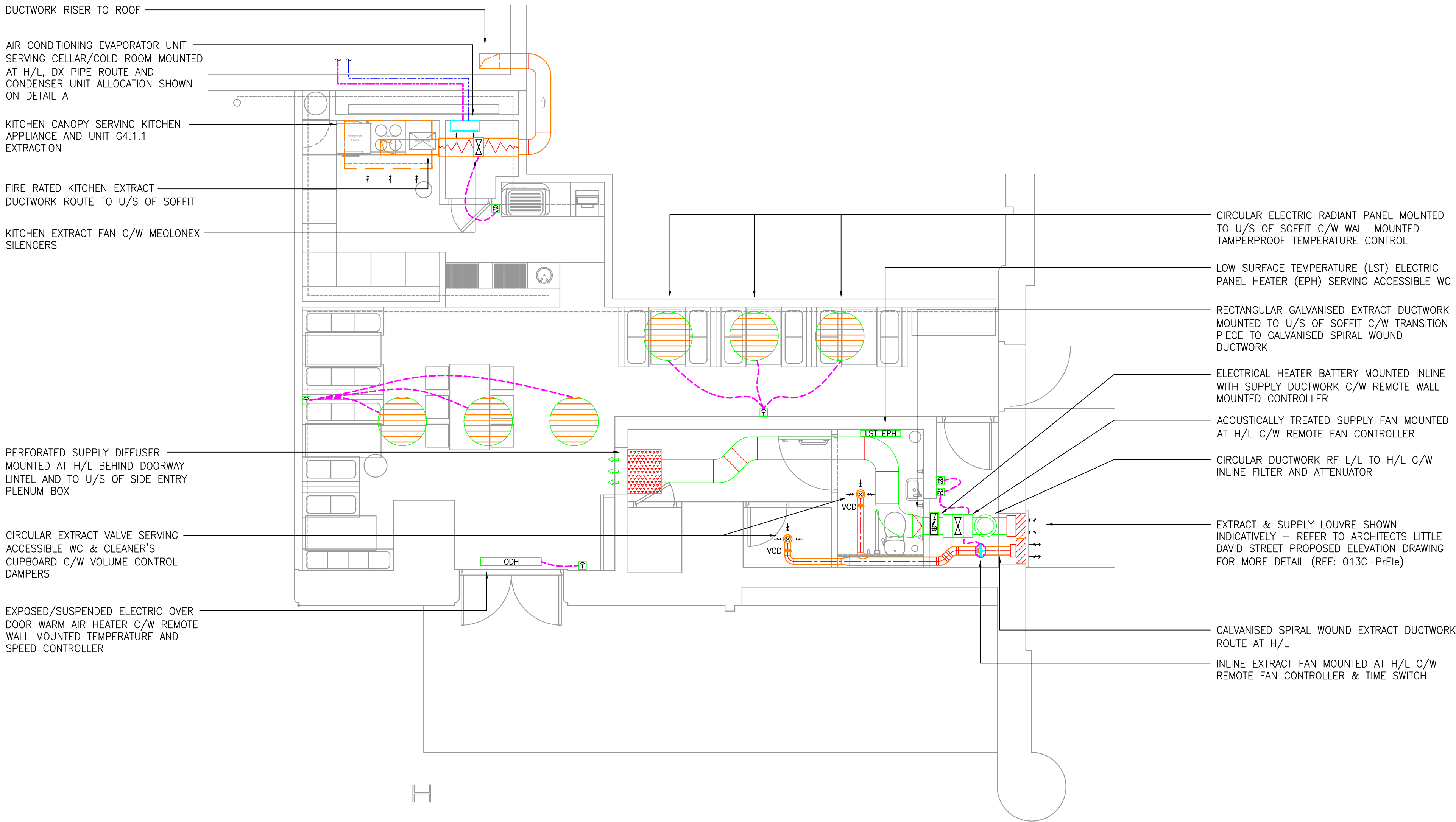




DUCTWORK RISER TO ROOF

AIR CONDITIONING EVAPORATOR UNIT
SERVING CELLAR/COLD ROOM MOUNTED
AT H/L. DX PIPE ROUTE AND
CONDENSER UNIT ALLOCATION SHOWN
ON DETAIL A

KITCHEN CANOPY SERVING KITCHEN
APPLIANCE AND UNIT G4.1.1
EXTRACTION

FIRE RATED KITCHEN EXTRACT
DUCTWORK ROUTE TO U/S OF SOFFIT

KITCHEN EXTRACT FAN C/W MEOLONEX
SILENCERS

PERFORATED SUPPLY DIFFUSER
MOUNTED AT H/L BEHIND DOORWAY
LINTEL AND TO U/S OF SIDE ENTRY
PLENUM BOX

CIRCULAR EXTRACT VALVE SERVING
ACCESSIBLE WC & CLEANER'S
CUPBOARD C/W VOLUME CONTROL
DAMPERS

EXPOSED/SUSPENDED ELECTRIC OVER
DOOR WARM AIR HEATER C/W REMOTE
WALL MOUNTED TEMPERATURE AND
SPEED CONTROLLER

CIRCULAR ELECTRIC RADIANT PANEL MOUNTED
TO U/S OF SOFFIT C/W WALL MOUNTED
TAMPERPROOF TEMPERATURE CONTROL

LOW SURFACE TEMPERATURE (LST) ELECTRIC
PANEL HEATER (EPH) SERVING ACCESSIBLE WC

RECTANGULAR GALVANISED EXTRACT DUCTWORK
MOUNTED TO U/S OF SOFFIT C/W TRANSITION
PIECE TO GALVANISED SPIRAL WOUND
DUCTWORK

ELECTRICAL HEATER BATTERY MOUNTED INLINE
WITH SUPPLY DUCTWORK C/W REMOTE WALL
MOUNTED CONTROLLER

ACOUSTICALLY TREATED SUPPLY FAN MOUNTED
AT H/L C/W REMOTE FAN CONTROLLER

CIRCULAR DUCTWORK RF L/L TO H/L C/W
INLINE FILTER AND ATTENUATOR

EXTRACT & SUPPLY LOUVRE SHOWN
INDICATIVELY – REFER TO ARCHITECTS LITTLE
DAVID STREET PROPOSED ELEVATION DRAWING
FOR MORE DETAIL (REF: 013C-PrEle)

GALVANISED SPIRAL WOUND EXTRACT DUCTWORK
ROUTE AT H/L

INLINE EXTRACT FAN MOUNTED AT H/L C/W
REMOTE FAN CONTROLLER & TIME SWITCH

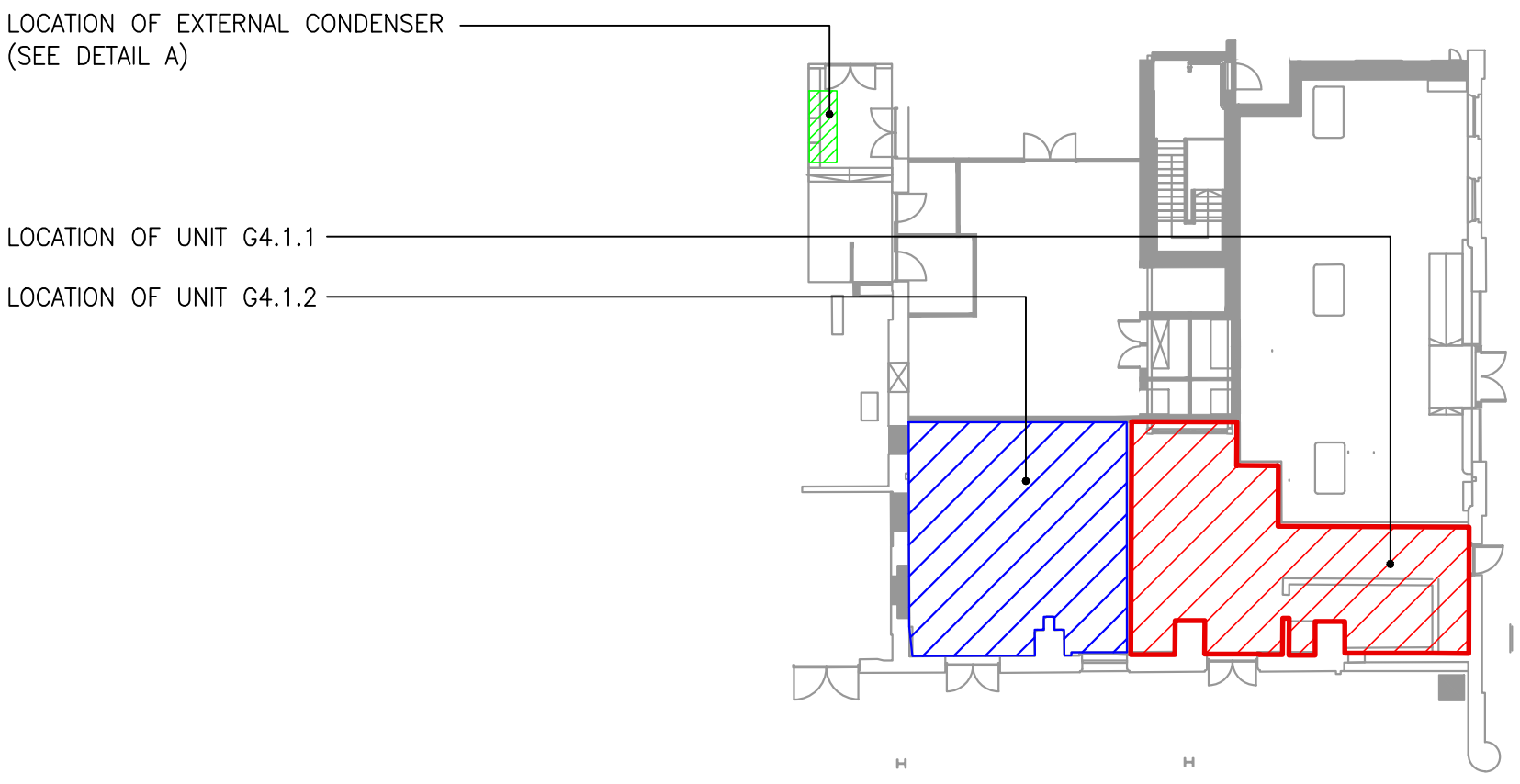
EXTERNAL CONDENSER – SIZE AND
MODEL TBA

DX PIPEWORK TO INTERNAL
EVAPOURATOR ROUTE AT H/L

DETAIL A

External Condenser Location (TBA)

NTS



KEY PLAN

1:250

Copyright : Quality Engineering Design			
EXTERNAL REFERENCE BASED UPON ARCHITECTS DRAWING AS BELOW			
Drawing Number:	010E PrPlan A3	Drawing Revision:	E
Standard Notes 1.00 DO NOT SCALE THIS DRAWING. WORK TO DIMENSIONS GIVEN. 2.00 ALL DIMENSIONS TO BE VERIFIED FROM SITE MEASUREMENT. 3.00 THIS CONCEPT DRAWING DEPICTS THE DESIGN INTENT AND DOES NOT IMPLY QUANTITY, SIZE OR SELECTION OF PLANT UNLESS OTHERWISE STATED.			

- NOTES:
- All fire dampers shall provide minimum 2 hour fire integrity, as appropriate (TBA)
 - Access doors to be installed adjacent all volume control dampers (VCD's) and fire dampers (FD's) for maintenance and resetting. Final specification to be determined.
 - Fresh air intake & discharge ductwork shall route tight to the underside of soffit where exposed unless noted otherwise.
 - The mechanical sub-contractor is to co-ordinate the ductwork services installation fully with the structural engineer & electrical sub-contractor.
 - Ductwork shall be constructed & installed in accordance with DW/143-145 and DW/172.
 - Final connections may be in flexible where ductwork is concealed within ceiling voids. Maximum length of 500mm.
 - Sub-contractor shall provide VCD's to grilles sufficient to provide a fully commissioned installation.
 - Mechanical sub-contractor is responsible for achieving ceiling heights as per Architects plans.
 - All ductwork shall be installed in a neat manner and symmetrical where possible.
 - All refrigerant pipework, condensate drains & controls cabling from AC units shall route together on common cable tray tight to soffit.
 - Radiant panels wired from a timed power circuit.

- LEGEND:
- Temperature Control Thermostat
 - Time Controlled Clock Switch
 - Fan Controller
 - Ductwork Acoustic Attenuator
 - VCD Volume Control Damper
 - Inline Bathroom Extraction Fan (IP44 Rated)
 - Supply/Extract Fan
 - Circular Extract Valve
 - LST EPH Low Surface Temperature Electric Panel Heater
 - Electric Heater Battery
 - Ventilation Filter

DESIGN TEAM APPROVAL REQUIRED ON ALL
ITEMS OF EQUIPMENT

Rev.	Date	Description	By	Chk
Drawing Status				
TENDER				
			MANCHESTER OFFICE 77 Tib Street Manchester M4 1LS Tel: 0161 236 5050 www.qedesign.co.uk	
Quality Engineering Design Ltd				
Client		140 Aldersgate St, Barbican, London EC1A 4HY		
Project				
Great North Pie Co. Little David Street, Manchester				
Drawing Title				
MECHANICAL SERVICES HEATING & VENTILATION LAYOUT LEVEL 00				
Drg No.				Revision
211003-XX-00-DR-M-56-601				TO
Scale	Date	Drawn	Engineer	Checked
1:50@A1	03.11.21	F.C.	F.C.	N.H.