PROPOSED CONDENSERS FOR THE NEW VRF EQUIPMENT:

SYSTEM (Floor Served)	QTY	Daikin (Model Reference)	Height (mm)	Width (mm)	Depth (mm)	Sound Pressure (dBA)	Colour
System I	I	REYQ10T7Y1B	1685	930	765	58	Daikin White
System 2	I	REYQ10T7Y1B	1685	930	765	58	Daikin White
System 3	ı	REYQ10T7Y1B	1685	930	765	58	Daikin White
System 4	1	REYQ10T7Y1B	1685	930	765	58	Daikin White
System 5	ı	REYQ8T7Y1B	1685	930	765	58	Daikin White
System 6	ı	REYQ8T7Y1B	1685	930	765	58	Daikin White
AHU DX Unit	1	RYYQ20T7Y1B	1685	1240	765	60	Daikin White

NEW AIR HANDLING UNIT BY DELAIR:

QTY	DELAIR Model Reference	Height (mm)	Width (mm)	Depth (mm)	Colour
1	MA50 / 8 / S	1825	7050	1700	Goosewing Grey

NOTES:

1) THE EXISTING 12 No CONDENSER UNITS ARE TO BE REMOVED AND REPLACED WITH 6 No UNITS TO SERVE THE FLOORS WITH ADDITIONAL I No CONDENSER INSTALLED (TO SERVE THE AIR HANDLING UNIT AT ROOF LEVEL). NB NET REDUCTION OF 5 CONDENSER

-R-MH-01 THIS DRAWING MUST NOT BE REPRODUCED WITHOUT PRIOR CONSENT.
DO NOT SCALE FROM THIS DRAWING.
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NOTES

LEGEND

REFRIGERANT PIPEWORK AT HIGH LEVEL

CONDENSE PIPEWORK AT HIGH LEVEL

400¢ EXTRACT DUCT RISES FROM FLOORS BELOW 150mm REFRIGERANT LINE CABLE — TRAY TO CONDENSER (TYPICAL)	400x400 SUPPLY DUCT————————————————————————————————————	NUAIRE HORIZONTAL		
TRAT TO CONDENSER (TIPICAL)	DIOFS TO SELOW	PLANT HEAT RECOVERY UNIT ON ROOF FOR TOURT	OM -	
160¢ SUPPLY DUCT DROPS TO SERVE FLOORS BELOW VCD		SUPPLY/EXTRACT. MODEL NUMBER XB4T-LE3	OOR DOOR DOOR DOOR DOOR DOOR DOOR DOOR	
400x400 EXTRACT		2800		— TOILET EXHAUST
300mm REFRIGERANT LINE CABLE TRAY		2500	LIFT I OVERRUN	TERMINAL OVER STAIR ROOF
		SOIL VENT	OVERNON	
RYYQ20T7Y1B SYSTEM 6 SYSTEM 5 SYSTEM 4 SYSTEM 3 REYQ8T7Y1B REYQ10T7Y1B REYQ10T7Y1B	SYSTEM 2 SYSTEM 1 REYQ10T7Y1B REYQ10T7Y1B			
		AT HIGH LEVEL	LIFT OVERRUN	
150mm REFRIGERANT LINE CABLE TRAY	AHU HEIGHT 1825mm			
		H 400x400 SUPPLY DUCT RISES FROM LOW LEVEL ON ROOF TO MID LEVEL		
		1000 10 mile 22122		
		VCD		
VCD 280x280 SUPPLY		VCD ≥ 225x225 SUPPLY		
		VCD VCD	v	
VCD	315x315 SUPPLY	CURRIY		
OVER PARAPET WALL & DROPS TO FLAT ROOF BELOW		22	25ø supply duct————————————————————————————————————	
225x225 SUPPLY	VCI Level 1	W. 225x225 SUPPLY FL	ALL & DROPS TO LAT ROOF BELOW	
DUCT DROPS TO SERVE FLOORS BELOW		DUCT DROPS TO SERVE FLOORS BELOW		
	I AYOUT OF	CONDENSER UNITS REVISED INCLUDING A F	REDUCTION	
	· ·	AND OVERALL FOOTPRINT	NEDOCTION	

- MINOR LAYOUT CHANGES TO VENTILATION

RECEPTION CONDENSER REMOVED FROM ROOF

- AHU CONDENSER UNIT RELOCATED TO BESIDE FLOOR CONDENSERS.

LINE CABLE TRAY

—BIGFOOT 7.5x0.9m SUPPORT GANTRY

150mm REFRIGERANT LINE CABLE TRAY TO CONDENSER (TYPICAL)

250¢ TOILET——— SUPPLY TO BELOW

FROM BELOW

250¢ TOILET EXTRACT —

SYSTEM 6 SYSTEM 5 SYSTEM 4 SYSTEM 3 SYSTEM 2 SYSTEM 1
REYQ8T7Y1B REYQ10T7Y1B REYQ10T7Y1B REYQ10T7Y1B REYQ10T7Y1B

FRONT ELEVATION 1:50 SCALE

REFER TO MECH SERVICES ——

SCHEMATICS FOR REFRIGERANT

PIPEWORK SIZE FROM CONDENSERS

 4
 27-05-15
 RE-ISSUED FOR APPROVAL

 3
 22-05-15
 RE-ISSUED FOR APPROVAL

 2
 22-04-15
 RE-ISSUED FOR APPROVAL

 1
 02-04-15
 RE-ISSUED FOR APPROVAL

 0
 20-03-15
 ISSUED FOR APPROVAL

 Rev:
 Date:
 Description:

Direct Cooling Services U.K.

Air Conditioning - Refrigeration - Associated Services

200 Hockley Road, Rayleigh, Essex SS6 8ET
Tel: 01268 777667 Fax: 01268 777545
email: directoolingservices@btconnect.com

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235 HIGH HOLBORN LONDON WC1V 7DN

Drawing Title:

Drawing No.

0 0.5m 1.0 1.5 2.0 2.5

Scale Bar 1:50 @ A1

PROPOSED ROOF LAYOUT PLAN ROOF LEVEL

^{Scale:} 1:50 @ A1	Date: 20.03.15			
Drawn: cadservices.com	Checked: M.B.			
Drawing Status: APPROVAL Revision: 4				

R.MH.01