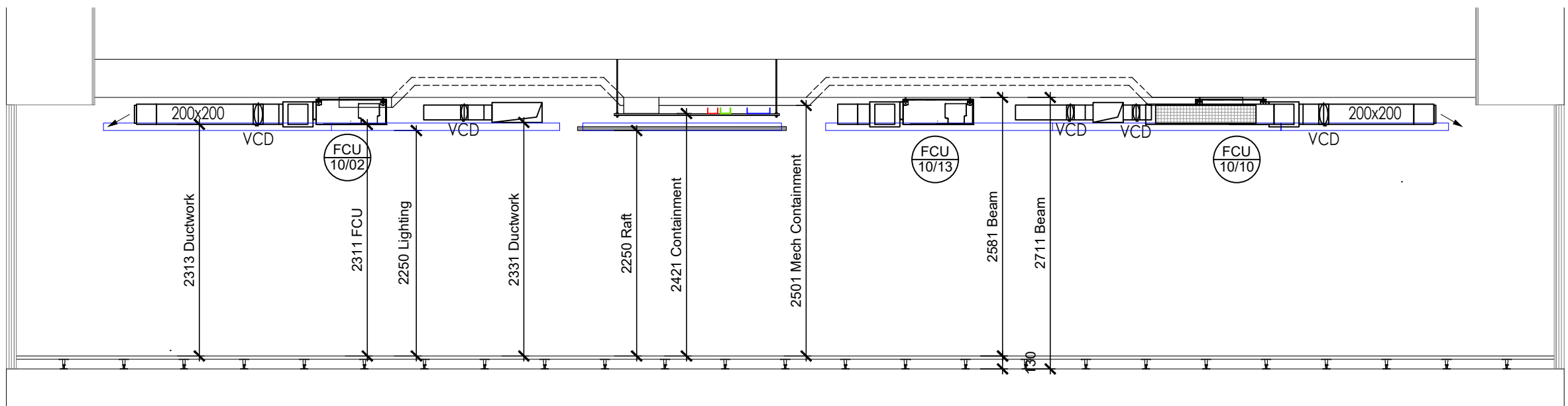


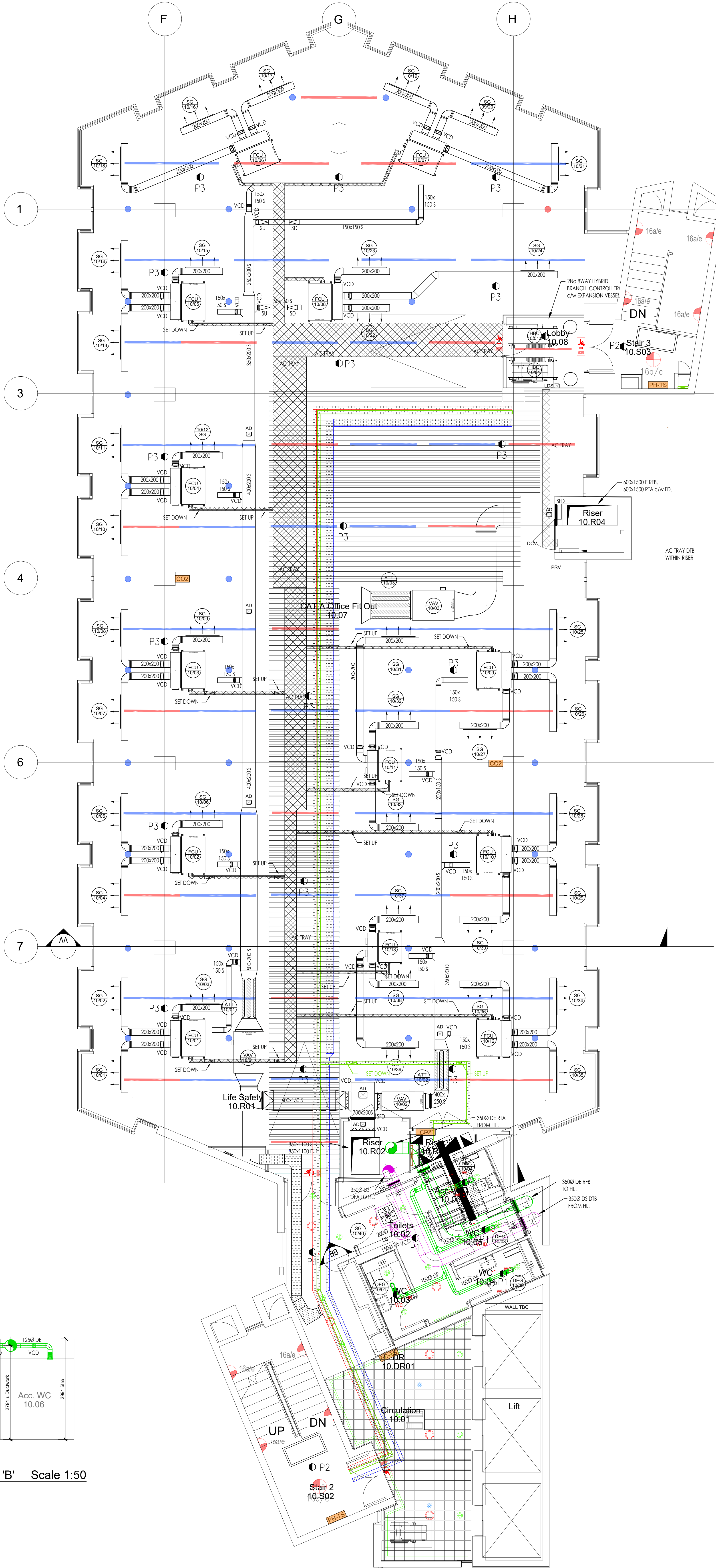


SECTION 'A' - 'A ON GRID LINE 7 Scale 1:50

HVRF Tower Block 10th Floor Zone 1									
CU Ref	Location	Model	Cooling kW	Heating kW	CCP	R/C A	Input kW	Fuse	
HVRF-1001	Lower Room	PEFY-WF40-WW-A	3.89	2.12	29				
FCU1001	Lower Room	PEFY-WF40-WW-A	3.89	2.12	29				
FCU1002	CAT A Office 10.07	PEFY-WF40-WW-A	3.89	2.12	29				
FCU1003	CAT A Office 10.07	PEFY-WF40-WW-A	3.89	2.12	29				
FCU1004	CAT A Office 10.07	PEFY-WF40-WW-A	3.89	2.12	29				
FCU1005	CAT A Office 10.07	PEFY-WF40-WW-A	3.89	2.12	29				
FCU1006	CAT A Office 10.07	PEFY-WF40-WW-A	3.89	2.12	29				
FCU1007	CAT A Office 10.07	PEFY-WF40-WW-A	3.89	2.12	29				
FCU1008	CAT A Office 10.07	PEFY-WF40-WW-A	3.89	2.12	29				
FCU1009	CAT A Office 10.07	PEFY-WF40-WW-A	3.89	2.12	29				
FCU1010	CAT A Office 10.07	PEFY-WF40-WW-A	3.89	2.12	29				
FCU1011	CAT A Office 10.07	PEFY-WF40-WW-A	3.89	2.12	29				
FCU1012	CAT A Office 10.07	PEFY-WF40-WW-A	3.89	2.12	29				
FCU1013	CAT A Office 10.07	PEFY-WF40-WW-A	3.89	2.12	29				
HBC Ref	Location	Model	No	Size	SC A	R/C A	Input kW	Fuse	
HBC-0901	Control	CMB-WM05V-AA	8	150x150x300	x	2.83	0.48	4	
HBC-0902	Control	CMB-WM05V-AA	8	150x150x300	x	2.83	0.48	4	

VAV Schedule Tenth Floor									
Unit Ref	Zone Served	Model	Attenuator	Att max (Pa)	JP (Pa)	Dimensions (mm)	Connections (mm)	Room	
VAV-10-01	10.07 - CAT A Office (West) - Supply	TZ-Silence250/BMO	No	411	32	1250 x 1700	508 x 201	35	
VAV-10-02	10.07 - CAT A Office (East) - Supply	TZ-Silence250/BMO	No	281	35	1250 x 580	458 x 210	35	
VAV-10-03	10.07 - CAT A Office - Extract	TZ-Silence315/BMO	No	692	35	1250 x 900	581 x 798	35	

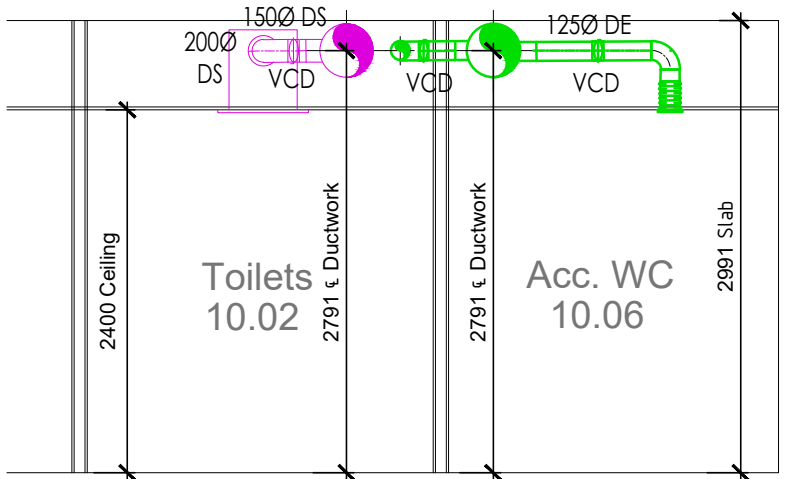
Attenuator Schedule Tenth Floor									
Ref	System	Location	L/S	Dimensions (mm)	Noise	Max PD	Duct Size		
ATT-10-01	VAV-10-01 Supply Air	10.07 CAT A Office	418	1250 x 1700	35	400x250			
ATT-10-02	VAV-10-02 Supply Air	10.07 CAT A Office	281	1250 x 580	35	400x250			
ATT-10-03	VAV-10-03 Extract Air	10.07 CAT A Office	692	1250 x 900	35	600x250			



- NOTES
- CONDENSATE DRAINS TO FOLLOW ROUTES OF REFRIGERATION PIPING AND DISCHARGE INTO LOCAL WASTE STACK (LOCATION TO BE AGREED ON SITE TO SUIT FALL OF DRAIN PIPING)
 - FOR DETAILS OF LITH PIPING SEE DRG. CW1193-M-56-10-01

- ELECTRICAL EQUIPMENT LEGEND
- FIRE ALARM BASKET
 - POWER BASKET
 - COMMS TRAY

- MECHANICAL EQUIPMENT LEGEND
- MITSUBISHI HVRF DUCTED FAN COIL
 - DUCT MOUNTED LINEAR GRILLE
 - VOLUME CONTROL DAMPER
 - VOLUME CONTROL DAMPER
 - ATTENUATOR
 - VAV - VARIABLE AIR VOLUME UNIT
 - SMOKE/FIRE DAMPER
 - ACCESS DOOR
 - AC PIPING TRAY
 - AC PIPING
 - LEAK DETECTION SENSOR



SECTION ON 'B' - 'B' Scale 1:50

PLAN AT 10th FLOOR LEVEL Scale 1:50

ISSUED FOR APPROVAL

Revision									
Rev	Description	By	Check	Appr	Date	Rev	Description	By	Check
P5	Updated as comments from client 13.09.24. Reissued for approval.				13/09/24	P4	Updated as comments from client. Reissued for final approval.		
P4	Updated as comments from client. Reissued for final approval.				14/09/24	P3	Reissued for final approval. Updated as comments from client 14.06.24		
P3	Reissued for final approval. Updated as comments from client 14.06.24				14/06/24	P2	SD10-18 and SD10-21 repositioned to give better air distribution. VAV-10-03 & ATT-10-03 repositioned due to limited height above ceiling art.		
P2	SD10-18 and SD10-21 repositioned to give better air distribution. VAV-10-03 & ATT-10-03 repositioned due to limited height above ceiling art.				14/06/24	P1	For Approval		
P1	For Approval				14/06/24				
	Revision description								
	Client								
	Project								
	Title								
	Drawn by								
	Checked by								
	Approved by								
	Scale								
	Sheet Size								
	Issue Date								
	Contract No.								
	Drawing No.								
	Revision								

Bruntwood

Pall Mall

Manchester

Coordinated M+E Services Layout
10th Floor Level

Drawn by

Checked by

Approved by

Scale

Sheet Size

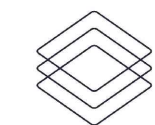
Issue Date

Contract No.

Drawing No.

Revision

The contractor is to check all dimensions and conditions on site before commencing. (D) NOT SCALE - USE FIGURES (REVISIONS) ONLY. This drawing is confidential & is the property of CubicWorks Ltd. It must not be copied, lent or disclosed to any third party without prior written consent.



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