

MEP Equipment Schedule						
Project Title	Havant Justice Centre	Originator	LB	Revision	P01	AtkinsRéalis www.atkinsglobal.com
Document No.	5225905	Checker	TC	Revision Date	15/2/24	
Description	MVHR Unit Schedule	Approver	TC	Status	RIBA Stage 3	

General				
Model Reference		MVHR-00-01		
Location		Tribunal Room 1		
Quantity	(No.)	1		
System Description		Balanced Supply and Extract Ventilation System		
Areas Served		Tribunal Room 1		
Type		Ceiling Void Mounted Unit		
Fan Section		Supply Fan		Extract Fan
Fan Type				
Drive Type				
Resilience				
Air Volume	(l/s)	581		581
Max. ESP	(Pa)	150		150
Max. Specific Fan power	(W/l/s)	2.3 (Existing Building SFP)		2.3 (Existing Building SFP)
Physical Data				
AHU Overall Length	(mm)			
AHU Overall Width	(mm)			
AHU Overall Height	(mm)			
AHU Gross Weight	(kg)			
Energy Recovery				
Type				
Minimum Efficiency		85%		
Arrangement				
Internal / External		Internal		
Configuration				
Direction of Airflow				
Draw Through or Blow through				
Damper Control				
Air Filters				
Pre-Filter Filter Type				
Filter Class		G4 Pre Filter, F8 Filter		
Exhaust Filter Type				
Filter Class		G4 Filter		
Heating		Heating Coil		Cooling Coil
Type of Coil		DX Reversible		DX Reversible
Coil Duty - HRW failure scenario (if required)	(kW)	N/A		N/A
Coil Duty	(kW)	6.46		8.83
Air On Condition	(DB°C) (WB°C)	-2.5	-2.7	28.2 20.1
Air Off Condition	(DB°C) (WB°C)	18.0	12.0	11 6.0
System Flow & Return Temp.	(°C)	N/A	N/A	N/A N/A
Water Flow Rate	(kg/s)	N/A		N/A
Max Hydraulic Resistance	(Pa)	N/A		N/A

MEP Equipment Schedule						
Project Title	Havant Justice Centre	Originator	LB	Revision	P01	AtkinsRéalisis www.atkinsglobal.com
Document No.	5225905	Checker	TC	Revision Date	15/2/24	
Description	MVHR Unit Schedule	Approver	TC	Status	RIBA Stage 3	

Acoustic Criteria									
Room Noise Level	(NR)	30							
Maximum Breakout @ 3m	(dB(A))								
Integral Attenuators	(Y/N)	Y							
Intake Sound Power Level		Intake							
Frequency	(Hz)	63	125	250	500	1k	2k	4k	8k
Minimum Dynamic Insertion Loss	(dB)								
Supply Sound Power Level		Supply							
Frequency	(Hz)	63	125	250	500	1k	2k	4k	8k
Minimum Dynamic Insertion Loss	(dB)								
Discharge Sound Power Level		Discharge							
Frequency	(Hz)	63	125	250	500	1k	2k	4k	8k
Minimum Dynamic Insertion Loss	(dB)								
Extract Sound Power Level		Extract							
Frequency	(Hz)	63	125	250	500	1k	2k	4k	8k
Minimum Dynamic Insertion Loss	(dB)								
Electrical Data									
Motor input power	(kW)								
Motor Running Current	(Amps)								
Motor Starting Current	(Amps)								
Heater Power	(kW)								
Heater Current	(Amps)								
Electrical Supply	(V/Φ/Hz)								
Controls									
Control Type									
BMS Links	(Y/N)	Y - TBC by Contractor							
Interlocks	(Y/N)	Yes - Fire Alarm System							

MEP Equipment Schedule						
Project Title	Havant Justice Centre	Originator	LB	Revision	P01	AtkinsRéalis www.atkinsglobal.com
Document No.	5225905	Checker	TC	Revision Date	15/2/24	
Description	MVHR Unit Schedule	Approver	TC	Status	RIBA Stage 3	

General				
Model Reference	MVHR-00-02			
Location	Tribunal Room 2			
Quantity (No.)	1			
System Description	Balanced Supply and Extract Ventilation System			
Areas Served	Tribunal Room 2			
Type	Ceiling Void Mounted Unit			
Fan Section	Supply Fan		Extract Fan	
Fan Type				
Drive Type				
Resilience				
Air Volume (l/s)	640		640	
Max. ESP (Pa)	150		150	
Max. Specific Fan power (W/l/s)	2.3 (Existing Building SFP)		2.3 (Existing Building SFP)	
Physical Data				
AHU Overall Length (mm)				
AHU Overall Width (mm)				
AHU Overall Height (mm)				
AHU Gross Weight (kg)				
Energy Recovery				
Type				
Minimum Efficiency				
Arrangement				
Internal / External				
Configuration				
Direction of Airflow				
Draw Through or Blow through				
Damper Control				
Air Filters				
Pre-Filter Filter Type				
Filter Class				
Exhaust Filter Type				
Filter Class				
Heating	Heating Coil		Cooling Coil	
Type of Coil	DX Reversible		DX Reversible	
Coil Duty - HRW failure scenario (if required) (kW)	N/A		N/A	
Coil Duty (kW)	7.46		9.72	
Air On Condition (DB°C) (WB°C)	-2.5	-2.7	28.2	20.1
Air Off Condition (DB°C) (WB°C)	18.0	12.0	11	6.0
System Flow & Return Temp. (°C)	N/A	N/A	N/A	N/A
Water Flow Rate (kg/s)	N/A		N/A	
Max Hydraulic Resistance (Pa)	N/A		N/A	

MEP Equipment Schedule						
Project Title	Havant Justice Centre	Originator	LB	Revision	P01	AtkinsRéalis www.atkinsglobal.com
Document No.	5225905	Checker	TC	Revision Date	15/2/24	
Description	MVHR Unit Schedule	Approver	TC	Status	RIBA Stage 3	

Acoustic Criteria									
Room Noise Level	(NR)	30							
Maximum Breakout @ 3m	(dB(A))								
Integral Attenuators	(Y/N)	Y							
Intake Sound Power Level		Intake							
Frequency	(Hz)	63	125	250	500	1k	2k	4k	8k
Minimum Dynamic Insertion Loss	(dB)								
Supply Sound Power Level		Supply							
Frequency	(Hz)	63	125	250	500	1k	2k	4k	8k
Minimum Dynamic Insertion Loss	(dB)								
Discharge Sound Power Level		Discharge							
Frequency	(Hz)	63	125	250	500	1k	2k	4k	8k
Minimum Dynamic Insertion Loss	(dB)								
Extract Sound Power Level		Extract							
Frequency	(Hz)	63	125	250	500	1k	2k	4k	8k
Minimum Dynamic Insertion Loss	(dB)								
Electrical Data									
Motor input power	(kW)								
Motor Running Current	(Amps)								
Motor Starting Current	(Amps)								
Heater Power	(kW)								
Heater Current	(Amps)								
Electrical Supply	(V/Φ/Hz)								
Controls									
Control Type									
BMS Links	(Y/N)	Y - TBC by Contractor							
Interlocks	(Y/N)	Yes - Fire Alarm System							

MEP Equipment Schedule						
Project Title	Havant Justice Centre	Originator	LB	Revision	P01	AtkinsRéalis www.atkinsglobal.com
Document No.	5225905	Checker	TC	Revision Date	15/2/24	
Description	MVHR Unit Schedule	Approver	TC	Status	RIBA Stage 3	

General					
Model Reference		MVHR-00-03			
Location		Tribunal Room 3			
Quantity (No.)		1			
System Description		Balanced Supply and Extract Ventilation System			
Areas Served		Tribunal Room 3			
Type		Ceiling Void Mounted Unit			
Fan Section		Supply Fan		Extract Fan	
Fan Type					
Drive Type					
Resilience					
Air Volume (l/s)		1310		1310	
Max. ESP (Pa)		150		150	
Max. Specific Fan power (W/l/s)		2.3 (Existing Building SFP)		2.3 (Existing Building SFP)	
Physical Data					
AHU Overall Length (mm)					
AHU Overall Width (mm)					
AHU Overall Height (mm)					
AHU Gross Weight (kg)					
Energy Recovery					
Type					
Minimum Efficiency					
Arrangement					
Internal / External					
Configuration					
Direction of Airflow					
Draw Through or Blow through					
Damper Control					
Air Filters					
Pre-Filter Filter Type					
Filter Class					
Exhaust Filter Type					
Filter Class					
Heating		Heating Coil		Cooling Coil	
Type of Coil		DX Reversible		DX Reversible	
Coil Duty - HRW failure scenario (if required) (kW)		N/A		N/A	
Coil Duty (kW)		16.72		19.91	
Air On Condition (DB°C) (WB°C)		-2.5	-2.7	28.2	20.1
Air Off Condition (DB°C) (WB°C)		18.0	12.0	11	6.0
System Flow & Return Temp. (°C)		N/A	N/A	N/A	N/A
Water Flow Rate (kg/s)		N/A		N/A	
Max Hydraulic Resistance (Pa)		N/A		N/A	

MEP Equipment Schedule						
Project Title	Havant Justice Centre	Originator	LB	Revision	P01	AtkinsRéalisis www.atkinsglobal.com
Document No.	5225905	Checker	TC	Revision Date	15/2/24	
Description	MVHR Unit Schedule	Approver	TC	Status	RIBA Stage 3	

Acoustic Criteria									
Room Noise Level	(NR)	30							
Maximum Breakout @ 3m	(dB(A))								
Integral Attenuators	(Y/N)	Y							
Intake Sound Power Level		Intake							
Frequency	(Hz)	63	125	250	500	1k	2k	4k	8k
Minimum Dynamic Insertion Loss	(dB)								
Supply Sound Power Level		Supply							
Frequency	(Hz)	63	125	250	500	1k	2k	4k	8k
Minimum Dynamic Insertion Loss	(dB)								
Discharge Sound Power Level		Discharge							
Frequency	(Hz)	63	125	250	500	1k	2k	4k	8k
Minimum Dynamic Insertion Loss	(dB)								
Extract Sound Power Level		Extract							
Frequency	(Hz)	63	125	250	500	1k	2k	4k	8k
Minimum Dynamic Insertion Loss	(dB)								
Electrical Data									
Motor input power	(kW)								
Motor Running Current	(Amps)								
Motor Starting Current	(Amps)								
Heater Power	(kW)								
Heater Current	(Amps)								
Electrical Supply	(V/Φ/Hz)								
Controls									
Control Type									
BMS Links	(Y/N)	Y - TBC by Contractor							
Interlocks	(Y/N)	Yes - Fire Alarm System							

MEP Equipment Schedule						
Project Title	Havant Justice Centre	Originator	LB	Revision	P01	AtkinsRéalisis www.atkinsglobal.com
Document No.	5225905	Checker	TC	Revision Date	15/2/24	
Description	MVHR Unit Schedule	Approver	TC	Status	RIBA Stage 3	

General				
Model Reference	MVHR-00-04			
Location	Judicial Retiring Room			
Quantity (No.)	1			
System Description	Balanced Supply and Extract Ventilation System			
Areas Served	Judicial Retiring Room			
Type	Ceiling Void Mounted Unit			
Fan Section	Supply Fan		Extract Fan	
Fan Type				
Drive Type				
Resilience				
Air Volume (l/s)	315		315	
Max. ESP (Pa)	150		150	
Max. Specific Fan power (W/l/s)	2.3 (Existing Building SFP)		2.3 (Existing Building SFP)	
Physical Data				
AHU Overall Length (mm)				
AHU Overall Width (mm)				
AHU Overall Height (mm)				
AHU Gross Weight (kg)				
Energy Recovery				
Type				
Minimum Efficiency				
Arrangement				
Internal / External				
Configuration				
Direction of Airflow				
Draw Through or Blow through				
Damper Control				
Air Filters				
Pre-Filter Filter Type				
Filter Class				
Exhaust Filter Type				
Filter Class				
Heating	Heating Coil		Cooling Coil	
Type of Coil	DX Reversible		DX Reversible	
Coil Duty - HRW failure scenario (if required) (kW)	N/A		N/A	
Coil Duty (kW)	5.58		4.78	
Air On Condition (DB°C) (WB°C)	-2.5	-2.7	28.2	20.1
Air Off Condition (DB°C) (WB°C)	18.0	12.0	11	6.0
System Flow & Return Temp. (°C)	N/A	N/A	N/A	N/A
Water Flow Rate (kg/s)	N/A		N/A	
Max Hydraulic Resistance (Pa)	N/A		N/A	

MEP Equipment Schedule						
Project Title	Havant Justice Centre	Originator	LB	Revision	P01	AtkinsRéalisis www.atkinsglobal.com
Document No.	5225905	Checker	TC	Revision Date	15/2/24	
Description	MVHR Unit Schedule	Approver	TC	Status	RIBA Stage 3	

Acoustic Criteria									
Room Noise Level	(NR)	30							
Maximum Breakout @ 3m	(dB(A))								
Integral Attenuators	(Y/N)	Y							
Intake Sound Power Level		Intake							
Frequency	(Hz)	63	125	250	500	1k	2k	4k	8k
Minimum Dynamic Insertion Loss	(dB)								
Supply Sound Power Level		Supply							
Frequency	(Hz)	63	125	250	500	1k	2k	4k	8k
Minimum Dynamic Insertion Loss	(dB)								
Discharge Sound Power Level		Discharge							
Frequency	(Hz)	63	125	250	500	1k	2k	4k	8k
Minimum Dynamic Insertion Loss	(dB)								
Extract Sound Power Level		Extract							
Frequency	(Hz)	63	125	250	500	1k	2k	4k	8k
Minimum Dynamic Insertion Loss	(dB)								
Electrical Data									
Motor input power	(kW)								
Motor Running Current	(Amps)								
Motor Starting Current	(Amps)								
Heater Power	(kW)								
Heater Current	(Amps)								
Electrical Supply	(V/Φ/Hz)								
Controls									
Control Type									
BMS Links	(Y/N)	Y - TBC by Contractor							
Interlocks	(Y/N)	Yes - Fire Alarm System							

MEP Equipment Schedule						
Project Title	Havant Justice Centre	Originator	LB	Revision	P01	AtkinsRéalis www.atkinsglobal.com
Document No.	5225905	Checker	TC	Revision Date	15/2/24	
Description	MVHR Unit Schedule	Approver	TC	Status	RIBA Stage 3	

General					
Model Reference		MVHR-00-05			
Location		Waiting Room			
Quantity (No.)		1			
System Description		Balanced Supply and Extract Ventilation System			
Areas Served		Waiting Room and WC's			
Type		Ceiling Void Mounted Unit			
Fan Section		Supply Fan		Extract Fan	
Fan Type					
Drive Type					
Resilience					
Air Volume (l/s)		780		780	
Max. ESP (Pa)		150		150	
Max. Specific Fan power (W/l/s)		2.3 (Existing Building SFP)		2.3 (Existing Building SFP)	
Physical Data					
AHU Overall Length (mm)					
AHU Overall Width (mm)					
AHU Overall Height (mm)					
AHU Gross Weight (kg)					
Energy Recovery					
Type					
Minimum Efficiency		85%			
Arrangement					
Internal / External		Internal			
Configuration					
Direction of Airflow					
Draw Through or Blow through					
Damper Control					
Air Filters					
Pre-Filter Filter Type					
Filter Class					
Exhaust Filter Type					
Filter Class					
Heating		Heating Coil		Cooling Coil	
Type of Coil		DX Reversible		DX Reversible	
Coil Duty - HRW failure scenario (if required) (kW)		N/A		N/A	
Coil Duty (kW)		14.59		11.37	
Air On Condition (DB°C) (WB°C)		-2.5	-2.7	28.2	20.1
Air Off Condition (DB°C) (WB°C)		18.0	12.0	11	6.0
System Flow & Return Temp. (°C)		N/A	N/A	N/A	N/A
Water Flow Rate (kg/s)		N/A		N/A	
Max Hydraulic Resistance (Pa)		N/A		N/A	

MEP Equipment Schedule						
Project Title	Havant Justice Centre	Originator	LB	Revision	P01	AtkinsRéalis www.atkinsglobal.com
Document No.	5225905	Checker	TC	Revision Date	15/2/24	
Description	MVHR Unit Schedule	Approver	TC	Status	RIBA Stage 3	

Acoustic Criteria									
Room Noise Level	(NR)	30							
Maximum Breakout @ 3m	(dB(A))								
Integral Attenuators	(Y/N)	Y							
Intake Sound Power Level		Intake							
Frequency	(Hz)	63	125	250	500	1k	2k	4k	8k
Minimum Dynamic Insertion Loss	(dB)								
Supply Sound Power Level		Supply							
Frequency	(Hz)	63	125	250	500	1k	2k	4k	8k
Minimum Dynamic Insertion Loss	(dB)								
Discharge Sound Power Level		Discharge							
Frequency	(Hz)	63	125	250	500	1k	2k	4k	8k
Minimum Dynamic Insertion Loss	(dB)								
Extract Sound Power Level		Extract							
Frequency	(Hz)	63	125	250	500	1k	2k	4k	8k
Minimum Dynamic Insertion Loss	(dB)								
Electrical Data									
Motor input power	(kW)								
Motor Running Current	(Amps)								
Motor Starting Current	(Amps)								
Heater Power	(kW)								
Heater Current	(Amps)								
Electrical Supply	(V/Φ/Hz)								
Controls									
Control Type									
BMS Links	(Y/N)	Y - TBC by Contractor							
Interlocks	(Y/N)	Yes - Fire Alarm System							

MEP Equipment Schedule						
Project Title	Havant Justice Centre	Originator	LB	Revision	P01	AtkinsRéalisis www.atkinsglobal.com
Document No.	5225905	Checker	TC	Revision Date	15/2/24	
Description	MVHR Unit Schedule	Approver	TC	Status	RIBA Stage 3	
General Notes						
1)	This technical schedule shall be read in conjunction with the layout drawings, schematics and technical specification.					
2)	The performance specification for the units listed are based on units manufactured by Swegon. Equipment shall be equal or approved and submitted to AtkinsRealis for approval - we do not accept liability for alternative manufacturers used that are not approved.					
3)	MVHR Units to be installed in accordance with the manufacturer's requirements/specification.					
4)	Breakout noise levels from the MVHR shall be such that they do not exceed the required NR Levels for the space and nearby accommodation.					