

MEP Equipment Schedule

Project Title	Havant Justice Centre	Originator	LB	Revision	P01	AtkinsRéalis www.atkinsglobal.com
Document No.	5225905	Checker	TC	Revision Date	15/02/2024	
Description	Diffuser Schedule	Approver	TC	Status	RIBA Stage 3	

General

Ref.	SG-00-01	SG-00-02	SG-00-03	SG-00-04	SG-00-05	SG-00-06	
Quantity	4 No.	4 No.	6 No.	2 No.	4 No.	2 No.	
Type (e.g. Louvre Face etc.)	Swirl Diffuser	Swirl Diffuser	Swirl Diffuser	Swirl Diffuser	Swirl Diffuser	Supply Valve	
Manufacturer & Model	Waterloo	Waterloo	Waterloo	Waterloo	Waterloo	Waterloo	
System	MVHR-00-01 Supply	MVHR-00-02 Supply	MVHR-00-03 Supply	MVHR-00-04 Supply	MVHR-00-05 Supply	MVHR-00-05 Supply	
Level	Ground Floor	Ground Floor	Ground Floor	Ground Floor	Ground Floor	Ground Floor	

Technical Performance Criteria

Location	Room Name	Tribunal Room 1	Tribunal Room 2	Tribunal Room 3	Judicial Retiring Room	Waiting Room	WC's	
Design Air Volume (l/s)		145	160	220	160	190	12	
Design PD (Pa)								
NR Level (Maximum)		30	30	30	30	30	N/A	
Plenum Box (Y/N)								
Plenum Type (Side, Top Entry)								
Throw (m)		2.5m	2.75m	3.0m	2.75m	2.5m	1m	
Insulation (Internal Acoustic Lining, External Thermal Insulation)								
Damper Type (e.g. N/None, M/Multiblade, I/Iris etc)								

Physical Data

Neck Dimensions (mm)	Length							
	Width							
Face Dimensions (mm)	Length							
	Width							
Height (mm)								
Spigot Diameter (mm)								
Slots (no.)								
Plenum Dimensions (mm)	Length							
	Width							
	Height							
Material								
Finish								

Additional Notes

Comments								
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General

Ref.	EG-00-01	EG-00-02	EG-00-03	EG-00-04	EG-00-05	EG-00-06	
Quantity	2 No.	2 No.	3 No.	1 No.	4 No.	4 No.	
Type (e.g. Louvre Face etc.)	Extract Grille	Extract Grille	Extract Grille	Extract Grille	Extract Grille	Extract Valve	
Manufacturer & Model	Waterloo	Waterloo	Waterloo	Waterloo	Waterloo		
System	MVHR-00-01 Extract	MVHR-00-02 Extract	MVHR-00-03 Extract	MVHR-00-04 Extract	MVHR-00-05 Extract	MVHR-00-05 Extract	
Level	Ground Floor	Ground Floor	Ground Floor	Ground Floor	Ground Floor	Ground Floor	

Technical Performance Criteria

Location	Room Name	Tribunal Room 1	Tribunal Room 2	Tribunal Room 3	Judicial Retiring Room	Waiting Room	WC's	
Design Air Volume (l/s)		290	320	440	315	190	6	
Design PD (Pa)								
NR Level (Maximum)		30	30	30	30	30	N/A	
Plenum Box (Y/N)								
Plenum Type (Side, Top Entry)								
Throw (m)		N/A	N/A	N/A	N/A	N/A	N/A	
Insulation (Internal Acoustic Lining, External Thermal Insulation)								
Damper Type (e.g. N/None, M/Multiblade, I/Iris etc)								

Physical Data

Neck Dimensions (mm)	Length							
	Width							
Face Dimensions (mm)	Length							
	Width							
Height (mm)								
Spigot Diameter (mm)								
Slots (no.)								
Plenum Dimensions (mm)	Length							
	Width							
	Height							
Material								
Finish								

Additional Notes

Comments							
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General

Ref.	BG-00-01	BG-00-02	BG-00-03	BG-00-04	BG-00-05		
Quantity	1 No.	1 No.	1 No.	1 No.	1 No.		
Type (e.g. Louvre Face etc.)	Bellmouth	Bellmouth	Bellmouth	Bellmouth	Bellmouth		
Manufacturer & Model	Waterloo	Waterloo	Waterloo	Waterloo	Waterloo		
System	MVHR-00-01 Extract	MVHR-00-02 Extract	MVHR-00-03 Extract	MVHR-00-04 Extract	MVHR-00-05 Extract		
Level	Ground Floor	Ground Floor	Ground Floor	Ground Floor	Ground Floor		

Technical Performance Criteria

Location	Room Name	Tribunal Room 1	Tribunal Room 2	Tribunal Room 3	Judicial Retiring Room	Waiting Room		
Design Air Volume (l/s)		581	639	1309	314	570		
Design PD (Pa)								
NR Level (Maximum)		30	30	30	30	30		
Plenum Box (Y/N)								
Plenum Type (Side, Top Entry)								
Throw (m)		N/A	N/A	N/A	N/A	N/A		
Insulation (Internal Acoustic Lining, External Thermal Insulation)								
Damper Type (e.g. N/None, M/Multiblade, I/Iris etc)								

Physical Data

Neck Dimensions (mm)	Length							
	Width							
Face Dimensions (mm)	Length							
	Width							
Height (mm)								
Spigot Diameter (mm)								
Slots (no.)								
Plenum Dimensions (mm)	Length							
	Width							
	Height							
Material								
Finish								

Additional Notes

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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 Waterloo. 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	All Swirl Diffusers to have Flap Spigot Control Dampers ready for easy commissioning.
4	All grilles and diffusers to be installed in accordance with manufacturer's requirements/specification.