Y45sch - Schedule of Silencers & Acoustic Treatment

Ref	Service	Location	Max Air Flow (m^3/s)	Max Resistance (Pa)	Max Size (mm) LWH	Dynamic Insertion Loss (dB)								Notes
						63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	
ATT/S/01	Dry Air Cooler Intake	Dry Air Cooler Plantroom	8.24	42	1800(W), 900(H), 1850(L)	31dB Reduction Required at 100% Capacity								*See Note 6 & 7*
ATT/S/02	Dry Air Cooler Intake	Dry Air Cooler Plantroom	8.24	42	1800(W), 900(H), 1850(L)	31dB Reduction Required at 100% Capacity								*See Note 6 & 7*
ATT/S/03	Dry Air Cooler Intake	Dry Air Cooler Plantroom	8.24	42	1800(W), 900(H), 1850(L)	31dB Reduction Required at 100% Capacity								*See Note 6 & 7*
ATT/E/01	Dry Air Cooler Exhaust	Dry Air Cooler Plantroom	8.24	40	1600(W), 1200(H), 1850(L)	31dB Reduction Required at 100% Capacity								*See Note 6 & 7*
ATT/E/02	Dry Air Cooler Exhaust	Dry Air Cooler Plantroom	8.24	40	1600(W), 1200(H), 1850(L)	31dB Reduction Required at 100% Capacity								*See Note 6 & 7*
ATT/E/03	Dry Air Cooler Exhaust	Dry Air Cooler Plantroom	8.24	40	1600(W), 1200(H), 1850(L)	31dB Reduction Required at 100% Capacity								*See Note 6 & 7*

Notes

1.	Contractor to confirm selected equipment inlet and outlet sound power levels and adjust attenuator insertion loss as necessary
2.	Attenuators to be delivered to site with capped ends to prevent ingress of dirt prior to installation
3.	Where any appliance operates in condensing mode the complete system shall be fabricated from stainless steel
4.	Selection should prioritise insertion loss within pressure and dimension limits
5.	Attenuators must be suitable for continuous use with external untreated air (Moisture, dirt etc.)
6.	Dynamic insertion loss reduction to be based on recorded 'Sound Pressure' data at 100% capacity – *see 'Design Criteria'*
7.	Minimum values for Dynamic Insertion Loss achieved with Swegon Products

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Project Name:	GRS HOTEL
Status:	FOR COMMENT
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