Attenuator and Acoustic Louvred Door Schedule

PROJECT Kidderpore

SYSTEM Various

sol acoustics
4 Adams Court
Adams Hill
Knutsford
WA16 6BA

ATTENUATOR REFERENCE	AIR FLOW m3/s	QTY	PRESSURE LOSS Pa	REQUIRED CERTIFIED ACOUSTIC PERFORMANCE (PARAMETER INDICATED)	dB @ Octave Band Centre Frequency (Hz) 63	125	250	500	1K	2K	4K	INDICATIVE ONLY DIMENSIONS Length x Width x Height (mm)	ADDITIONAL REQUIREMENTS/COMMENTS
Car Park Ventilation System													
Details awaited (TBC)													
Lord Cameron Bin Store Extract Fan System													
Maximum fan in-duct inlet sound power level, dB Lw					*77*	*74*	*71*	*70*	*63*	*61*	*58*		
Maximum fan in-duct outlet sound power level, dB Lw					*80*	*75*	*72*	*72*	*70*	*67*	*63*		
Maximum fan casing radiated sound power level, dB Lw					*66*	*57*	*52*	*43*	*32*	*29*	*33*		
Bin Store extract attenuator, atmospheric side	0.925	1	25	Min. attenuator dynamic insertion loss (DIL), dB	5	9	14	22	34	30	25	NOMINAL 600mm x 600mm x 600mm	Allaway Acoustics type "SP2033" or equal and written approved
Bin Store extract attenuator, roomside	0.925	1	25	Min. attenuator dynamic insertion loss (DIL), dB	5	9	14	22	34	30	25	NOMINAL 600mm x 600mm x 600mm	Allaway Acoustics type "SP2033" or equal and written approved
Queen Mothers Bin Store Extract Fan System													
Maximum fan in-duct inlet sound power level, dB Lw					*88*	*85*	*71*	*62*	*58*	*54*	*52*		
Maximum fan in-duct outlet sound power level, dB Lw					*88*	*85*	*71*	*62*	*58*	*53*	*49*		
Maximum fan casing radiated sound power level, dB Lw					*72*	*65*	*62*	*47*	*45*	*34*	*29*		
Bin Store extract attenuator, atmospheric side	0.34	1	25	Min. attenuator dynamic insertion loss (DIL), dB	10	15	23	32	38	36	29	NOMINAL 900mm x 400mm x 400mm	Allaway Acoustics type "SL625" or equal and written approved
Bin Store extract attenuator, roomside	0.34	1	25	Min. attenuator dynamic insertion loss (DIL), dB	7	10	16	23	29	28	22	NOMINAL 600mm x 400mm x 400mm	Allaway Acoustics type "SL625" or equal and written approved
Fan Coil Units, Horizontal (above ceiling void)													
Ability Evo190 and Ev235 FCUs, low speed operation													
Refer to Ability FCU schedule KX6127-4 dated 08/02/17													
FCU Inlet attenuator (default; minimum 350mm length)	Various	Various	<5Pa	Min. attenuator dynamic insertion loss (DIL), dB	0	0	3	11	13	14	13	350mm long excl. relocated filter section	M&E Engineer to approve relocated filter & access provisions
FCU Inlet attenuator (400mm length)	Various	Various	<5Pa	Min. attenuator dynamic insertion loss (DIL), dB	0	1	4	14	17	17	15	400mm long excl. relocated filter section	M&E Engineer to approve relocated filter & access provisions
FCU Inlet attenuator (450mm length)	Various	Various	<5Pa	Min. attenuator dynamic insertion loss (DIL), dB	0	1	4	15	18	19	16	450mm long excl. relocated filter section	M&E Engineer to approve relocated filter & access provisions
All FCU supply air outlets to be fitted with c.1m length													
Tecsonic type "400S" attenuating flexible lined duct													
(limited space en suite FCU outlets: min. c.0.5m)													
Fan Coil Units, Vertical													
Details awaited (TBC)													
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DATE	24/04/17												
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ENGINEER	SJF												
SOL REF.	P1652-S01												