Attenuator and Acoustic Louvred Door Schedule											SOL 4 Adams Court		
PROJECT	Kidderpore										SOL 4 Adams Fut Adams Hill Knutford Wath 66A		
SYSTEM	Various												WAID DDA
	AIR		PRESSURE	REQUIRED CERTIFIED		dB @ Oc	tave Bar	nd Centre	e Freque	ncy (Hz)		INDICATIVE ONLY DIMENSIONS	ADDITIONAL REQUIREMENTS/COMMENTS
ATTENUATOR REFERENCE	FLOW	QTY	LOSS	ACOUSTIC PERFORMANCE								Length x Width x Height	
	m3/s		Pa	(PARAMETER INDICATED)	63	125	250	500	1K	2K	4K	(mm)	
Rosalind Franklin, Chiller Plantroom													
A&Q drawing 9000-DRG-16RF-DE006, Rev C3 refers													
Maximum permitted Chiller TOTAL sound power				Max. allowable TOTAL chiller sound power level @	60	61	71	75	79	74	68		NB: Chiller to comprise Galletti low noise LSE416 unit complete
level (dB Lw UNWEIGHTED, operating at full load)				max. fan speed and all fans/compressors running									with ACOUSTICALLY ENCLOSED COMPRESSORS
				UNWEIGHTED (i.e. linear Lw, dBW)									or equal (Sol Acoustics Ltd) approved
				NB: compressors MUST be acoustically enclosed									
Chiller air intake, Louvre Ref. L04	26.2	1	25	Min. attenuator dynamic insertion loss (DIL), dB	9	19	30	44	55	53	52	NOMINAL 1200mm x 3498mm x 4020mm	Attenuator to be multi-section, others to advise allowable module
	total											TO BE CONFRIMED BY M&E ENGINEER	dimensions and weights (for access).
	intake air												M&E Engineer to confirm attenuator airflow and pressure loss is OK.
													Allaway Acoustics type "SP2025" or equal and approved in writing
										<u> </u>	<u> </u>		
Chiller air intake, Louvre Ref. LO4	26.2	1	25	Min. attenuator dynamic insertion loss (DIL), dB	9	19	30	44	55	53	52	NOMINAL 1200mm x 798mm x 1920mm	M&E Engineer to confirm attenuator airflow and pressure loss is OK.
(Small louvre above single leaf access door)	total									<u> </u>	<u> </u>	TO BE CONFRIMED BY M&E ENGINEER	Allaway Acoustics type "SP2025" or equal and approved in writing
	intake air									<u> </u>	<u> </u>		Single leaf access door below to be sealed and blanked off
Single leaf louvred access door to be blanked off and				40dB R'w as installed louvred door sound insulation					L	ļ	ļ	TO BE CONFRIMED BY M&E ENGINEER	Subject to M&E Engineer approval. Door to provide 40dB R'w
non air passing, fitted with perimeter and threshold seal	s			(non air passing, perimeter and threshold acoustic seals)									minimum sound insulation as installed.
Chiller air discharge #1, Louvre Ref. LO2	26.2	1	14	Min. attenuator dynamic insertion loss (DIL), dB	10	20	31	46	55	54	53	NOMINAL 1200mm x 2822mm x 3945mm	Attenuator to be multi-section, others to advise allowable module
	total											TO BE CONFRIMED BY M&E ENGINEER	dimensions and weights (for access).
	disch air												M&E Engineer to confirm attenuator airflow and pressure loss is OK.
													Allaway Acoustics type "SP2023" or equal and approved in writing
	24.0						24					1011111111000 2020 2015	
Chiller air discharge #2, Louvre Ref. L03	26.2	1	14	Min. attenuator dynamic insertion loss (DIL), dB	10	20	31	46	55	54	53	NOMINAL 1200mm x 3272mm x 3945mm TO BE CONFRIMED BY M&E ENGINEER	Attenuator to be multi-section, others to advise allowable module
	total											TO BE CONFRIMED BY MEE ENGINEER	dimensions and weights (for access).
	disch air									-	-		M&E Engineer to confirm attenuator airflow and pressure loss is OK.
Louvre ref. L05 to be bricked up or similar										-	-		Allaway Acoustics type "SP2023" or equal and approved in writing
subject to Architect and M&E Engineer approval										-	-		
subject to Architect and Mat Engineer approvat													
Rosalind Franklin, Boiler and CHP Plantroom													
A&Q drawing 9000-DRG-16RF-DE006, Rev C3 refers										-	-		
Aug uruming 2000-Dito-Tolki -DE000, kev co rejers										-	-		
Maximum CHP enclosure noise level: 60dB(A) @ 1m													
Maximum CHP exhaust flue noise: 57dB(A) @ 1m (roof)													
Maximum boiler noise level: 47-65dB(A) @ 1m													
Maximum booster set noise: 65dB(A) @ 1m													
Maximum gas booster and pump noise: 65dB(A) @ 1m	1	1	1						1	1	1		
	1	1	1						1	1	1		
Attenuated Louvre Ref. L01	45%	1	n/a	Min. attenuator dynamic insertion loss (DIL), dB	9	19	30	44	55	53	52	NOMINAL 1200mm x 2812mm x 3945mm	Attenuator to be multi-section, others to advise allowable module
	free area											TO BE CONFRIMED BY M&E ENGINEER	dimensions and weights (for access).
	(attenuator)												M&E Engineer to confirm attenuator c.45% free area is OK.
													Allaway Acoustics type "SP2045" or equal and approved in writing
Attenuated Louvre Ref. L01	45%	1	n/a	Min. attenuator dynamic insertion loss (DIL), dB	9	19	30	44	55	53	52	NOMINAL 1200mm x 798mm x 1635mm	M&E Engineer to confirm attenuator c.45% free area is OK.
(Small louvre above single leaf access door)	free area											TO BE CONFRIMED BY M&E ENGINEER	Allaway Acoustics type "SP2045" or equal and approved in writing
	(attenuator)												Single leaf access door below to be sealed and blanked off
Single leaf louvred access door to be blanked off and				30dB R'w as installed louvred door sound insulation									Subject to M&E Engineer approval. Door to provide 30dB R'w
non air passing, fitted with perimeter and threshold seal	s			(non air passing, perimeter and threshold acoustic seals)									minimum sound insulation as installed.
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ENGINEER	SJF	SJF	SJF							ļ	ļ		
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