

SCHEDULE OF FANS																
REFERENCE	LOCATION	SERVING	MODEL/TYPE	VOLUME	HEIGHT	WIDTH	LENGTH	EXTERNA L STATIC	BREAK NOISE	SFP	ELECTRICAL SUPPLY					Notes
				[l/s]	[m]	[m]	[m]	[Pa]	[LwA]	[W/l/s]	[W]	[V]	[ph]	[Hz]	[RC]	
															[Amps]	
FAN-B-1	Basement	Rehearsal Extract	TD-2000/315 SILENT ECOWATT	350	373	432	825	60	55	<0.4		230	1	50	1.1	
FAN-G-2	Ground	Basement Store	JETLINE-100 ECOWATT	30	190	306	276	100	37	<0.4		230	1	50	0.1	
FAN-G-3	Ground	Basement WC	CAB TWIN-125 ECOWATT N	60	450	315	650	200	53	<0.4		230	1	50		
FAN-G-4	Ground	Changing Rooms	TD-500/150-160 SILENT ECOWATT	90	221	274	484	100	54	<0.4		230	1	50	0.3	
FAN-G-5	Ground	Accessible WC	SILENT-100 CRZ DESIGN ECOWATT	15	150	188	188	15		<0.4		230	1	50	0.2	
NOTES:																
1. Fans to be provided by listed manufacturers or approved equivalent. 2. All BWIC to be carried out by the Main Contractor. 3. The ESPs are for tender purposes only. The contractor shall calculate the actual ESP based on final duct runs before ordering. 4. All units to be selected to have an SFP no worse than current Building Regulations.																

SCHEDULE OF AIR HANDLING UNITS							
REFERENCE		AHU 01		AHU 2		AHU 3	
LOCATION		Theatre Lobby	Theatre Lobby	Foyer	Foyer	Escape Corridor	
APPLICATION		Theatre Heat Recovery Ventilation	Theatre DX Coil	Foyer Heat Recovery Ventilation	Foyer DX Coil	Rehearsal Room Supply	
UNIT GENERAL DATES							
TYPE		CADT-HE D 33 LH ECOWATT	BA-DX HE 33 LH	CADB-HE-D 16 LH ECOWATT VE	BA-DX HE 16 LH	CAIB 20	
HEIGHT	[mm]	650	600	450	450	604	
WIDTH	[mm]	1640	650	1240	490	891	
LENGTH	[mm]	2300	650	1950	500	1120	
SFP	[W/(l/s)]	1.9		1.49		0.43	
BREAKOUT SPL dB(A)	[dBA]	72		63			
UNIT ELECTRIC DATA							
Voltage	[V]	400		230		400	
Power	[W]	1150		370		16000 (25A)	
SUPPLY COMPONENTS							
Fresh air damper							
Filters	Grade (min)	F5		F5		F5	
Mixing box with economy cycle		YES		YES		No	
Heat exchanger	Type Material Efficiency	YES Counterflow 86-89		YES Counterflow 86-89			
Heating / Cooling coil sections	Duty Air temperature on/off LTHW temperature on/off LTHW flow rate	kW °C °C l/sec	13.7 19.1-38.1 & 23.1-14.7 DX DX	13.7 19.1-38.1 & 23.1-14.7 DX DX	(Elec) 15 -4 / 31.71 N/A N/A		
Supply fan section	Duty volume Boost Duty External static pressure Volume control	l/s l/s Pa Yes	600 N/A 175 Yes	250 N/A 100 Yes	350 N/A 100 Yes		
EXTRACT COMPONENTS							
Panel filter	Grade (min)	M5		M5			
Extract fan section	Duty volume Boost Duty External static pressure Volume control	l/s l/s Pa Yes	600 N/A 175 Yes	250 N/A 100 Yes			
Extract air damper							
NOTES:							
1. MVHR & AHU to be selected to ensure the SFP's complies with current Building Regulations. This may not be achieved with the use of belt driven fans, in which case the contractor is to allow in his costs for direct driven/plug fans.							
2. MS - Manufacturers standard.							
3. The ESPs are for tender purposes only. The contractor shall calculate the actual ESP based on final duct runs before ordering.							

NOTES:

1. All units to be provided by Mitsubishi Electric or approved equivalent.
2. All units to be selected on mid or low speed

SCHEDULE OF DX CONDENSER UNITS												
Unit Ref	Location	System Served	Cooling	Heating	Model	Width	Height	Depth	Weight	Sound Power	Phase	MCA
			[W]	[kW]		[mm]	[mm]	[mm]	[kg]	[dBA]	[ph]	[A]-[MAX]
CON-01	1st Floor Roof	Theatre AHU	14.0	16.0	PUHZ-ZRP140VKA	1050	1338	330	119		1	40
CON-02	1st Floor Roof	Foyer Heat Recov	7.1	8.0	PUHZ-ZRP71VHA	950	943	330	67		1	25
CON-03	1st Floor Roof	Rehearsal FCUs	10.0	13.9	PUMY-SP112VKMR1.TH(338560)	1050	981	330	93	72	1	14[30.5]

NOTES:

1. All units to be provided by Mitsubishi Electric or approved equivalent.
2. All units to be selected on mid or low speed
3. **Both Condensers serving AHU are to be supplied with Associated Controls (PA-IF013B-E)**

SCHEDULE OF GRILLES/DIFFUSERS								
REFERENCE	LOCATION	AIR VOLUME	GRILLE SIZE	TYPE/MODEL	THROW	NR LEVEL	RESISTANCE	COMMENTS
		[l/sec]	[mm] (D or WxH)		[m]		[Pa]	
SG-G-01	Auditorium	120	525 x 125	Gilberts - Series C (CV- -DO)	2.5 - 6.0	<25	<10	On duct, with damper
SG-G-02	Auditorium	120	525 x 125	Gilberts - Series C (CV- -DO)	2.5 - 6.0	<25	<10	On duct, with damper
SG-G-03	Auditorium	120	525 x 125	Gilberts - Series C (CV- -DO)	2.5 - 6.0	<25	<10	On duct, with damper
SG-G-04	Auditorium	120	525 x 125	Gilberts - Series C (CV- -DO)	2.5 - 6.0	<25	<10	On duct, with damper
SG-G-05	Auditorium	120	525 x 125	Gilberts - Series C (CV- -DO)	2.5 - 6.0	<25	<10	On duct, with damper
EX-G-01	Auditorium	600	600 x 400	Gilberts - Series GE	n/a	<35	<10	Eggcrate type
EX-G-02	Changing Room	45	245Ø	Trox LVS/200	-	<15	<15	Disc Valve Grille
EX-G-03	Changing Room	45	245Ø	Trox LVS/200	-	<15	<15	Disc Valve Grille
SG-G-06	Foyer	62.5	325 x 85	Gilberts - Series C (CV- -DO)	2.0 - 3.0	<30	<25	On duct, with damper
SG-G-07	Foyer	62.5	325 x 85	Gilberts - Series C (CV- -DO)	2.0 - 3.0	<30	<25	On duct, with damper
SG-G-08	Foyer	62.5	325 x 85	Gilberts - Series C (CV- -DO)	2.0 - 3.0	<30	<25	On duct, with damper
SG-G-09	Foyer	62.5	325 x 85	Gilberts - Series C (CV- -DO)	2.0 - 3.0	<30	<25	On duct, with damper
EX-G-04	Foyer	235	350 x 350	Gilberts - Series GE	n/a	<30	<10	Eggcrate type
EX-G-05	BoH Store	15	162Ø	Trox LVS/125	-	<15	<10	Eggcrate type
EX-G-04	Accessible WC	15	n/a	n/a	n/a	n/a	n/a	Grille part of fan
SG-B-01	Rehearsal Space	117	525 x 85	Gilberts - Series C (CV- -DO)	2.0 - 3.0	<30	<25	On duct, with damper
SG-B-02	Rehearsal Space	117	525 x 85	Gilberts - Series C (CV- -DO)	2.0 - 3.0	<30	<25	On duct, with damper
SG-B-03	Rehearsal Space	117	525 x 85	Gilberts - Series C (CV- -DO)	2.0 - 3.0	<30	<25	On duct, with damper
EX-B-01	Rehearsal Space	350	600 x 250	Gilberts - Series GE	n/a	<30	<10	Eggcrate type
SG-B-04	Rehearsal Space	225.0	tbc	tbc	tbc	tbc	tbc	FCU supply & return air outlets to be confirmed with the Architect
SG-B-05	Rehearsal Space	225.0	tbc	tbc	tbc	tbc	tbc	
EX-B-02	Rehearsal Space	225.0	tbc	tbc	tbc	tbc	tbc	
EX-B-03	Rehearsal Space	225.0	tbc	tbc	tbc	tbc	tbc	
EX-B-03	WC	15.0	n/a	n/a	n/a	n/a	n/a	Existing grilles retained
EX-B-04	WC	15.0	n/a	n/a	n/a	n/a	n/a	Existing grilles retained
EX-B-05	WC	15.0	n/a	n/a	n/a	n/a	n/a	Existing grilles retained
EX-B-06	WC	15.0	n/a	n/a	n/a	n/a	n/a	Existing grilles retained
EX-B-08	Store	30.0	n/a	n/a	n/a	n/a	n/a	Existing grilles retained
NOTES:								
1. All grilles, diffusers to be provided by listed manufacturers or equal and approved								
2. Powder coat in colour to Architects specification.								