

	SP&N ISOLATOR
S	TP&N ISOLATOR
ጙ <sub>₽</sub>	SWITCHED SOCKET OUTLET, 1 GANG (p = number of poles)
	DISTRIBUTION BOARD PANEL
	MAIN LV SWITCH PANEL
$\ge$	MECHANICAL CONTROL CENTRE (MCC)
	NOTE



SAFE I Y HEALTH AND ENVI IN ADDITION TO THE HAZARDS/RISKS TYPES OF WORK DETAILED ON THIS CONSTRUCTION.	KUNMENTAL INFORMATION
INSTALLATION WILL REQUIRE WORKING AT	FHEIGHT AND IN SMALL VOIDS
MAINTENANCE/CLEANING/OPERATIO	N. THEIGHT AND IN SMALL VOIDS
DECOMMISSIONING/DEMOLITION	
CONTAMINATION SURVEY HAS BEEN UNDE	RTAKEN. REFER TO SURVEY FOR FURTHER INFORMATION.
Notes 1. THIS DRAWING IS TO OTHER DISCIPLINES, SPECIFICATIONS, LEG 2. THIS DRAWING IS COF REPRODUCED WITHO 3. DIMENSIONS GOVERN SHOULD ANY DISCRE DRAWING AND ANY AS SPECIFICATIONS THIS ATTENTION OF THE M CONSULTANT IMMEDI 4. UNLESS OTHERWISE MILLIMETRES. 5. DO NOT SCALE FROM 6. DIMENSIONS TO BE C WORK IS PUT IN HAND 7. THIS DRAWING SHOU SPECIFIC SERVICES II 8. THIS DRAWING SHOU SPECIFIC SERVICES II 8. THIS DRAWING SHOU SPECIFIC SERVICES II 9. THE PROJECT NOTES WITH ALL RELEVANT 10.WHERE MECHANICAL COMPARTMENTATION STRUCTURAL WALLS SLEEVE/SEAL THE OP SEALANT APPROVED FRAMEWORK FIRE CO 11.THE CONTRACTOR SH MUSEUM'S UP TO DAT DRAWINGS.	BE READ IN CONJUNCTION WITH ALL DRAWINGS, SCHEDULES AND ENDS AND STANDARD DETAILS. PYRIGHT AND SHALL NOT BE UT PERMISSION. I ON ALL DRAWINGS AND DETAILS. PANCIES BE FOUND WITH THIS SSOCIATED DRAWINGS OR S HOULD BE BROUGHT TO THE I&E BUILDING SERVICES ATELY. STATED ALL DIMENSIONS ARE IN THIS DRAWING. HECKED ON SITE BEFORE ANY O OR PREFABRICATED. LD ONLY BE USED FOR THE NTENDED. 'S THE DESIGN INTENT ONLY. THE BE RESPONSIBLE FOR THE FULL HE SERVICES INDICATED ON THIS /ICES DRAWINGS. ARE TO BE READ IN CONJUNCTION TECHNICAL SPECIFICATIONS. SERVICES PASS THROUGH FIRE I CEILING VOIDS, FLOOR VOIDS AND THE CONTRACTOR SHALL 'ENING WITH AN ACOUSTIC AND FIRE BY THE BRITISH MUSEUM'S ONSULTANT. HALL REFER TO THE BRITISH 'TE FIRE COMPARTMENTATION
	ion plan
01 FOR TENDER 00 FOR COMMENTS Rev Description	04.12.20 CC AH 18.11.20 CC AH Date Drn Ch'
ТЕ	NDER
Status of drawing	
BURO ENGI	HAPPOLD NEERING
Architect N/A	

Date 04.12.2020

Rev 01





1



Existing Schneider DB

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 04.12.20
 CC
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 Date
 Drn
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 0 FOR TENDER Rev Description TENDER Status of drawing BUROHAPPOLD ENGINEERING Architect N/A Project British Museum - Pizzeria Ventilation Drg Title LV SCHEMATIC Job No. 0045387 Scales@A1 1:50 Drawn by CC Drawing No. BM\_BHE\_XX\_XX\_DR\_E\_1000 Checked by SC Rev 00 04.12.2020 ate





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2. ( F	CHECK WITH SAF	E WORKING LO NUFACTURER.	ADS (SWL) W	ITH
3. S ( N	SWL IN TABLES A CHECK POINT LO MANUFACTURER	ARE ALL UNIFO ADS WITH TRA	RMLY DISTRIE Y/LADDER	SUTED.
4. <i>I</i>	ALLOW FOR ALL	POSSIBLE LOA	DS AS Y-63.	
5. II N N	NCORPORATE EX NOVEMENT JOIN NOVEMENTS.	XPANSION JOIN TS OR TO ACCO	ITS AT BUILDI MMODATE TH	NG IERMAL
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SUITABLE CABLE DIA (mm)	DIMEI (m	NSION m)
28-32	61	55
30-34	63	57
32-36	65	61
34-38	67	63
36-40	71	65
38-42	69	67
40-44	71	69
42-46	72	71
44-48	74	73
46-50	75	75
48-52	77	77
50-54	79	79
52-56	80	81
54-58	81	83
56-60	83	85
58-62	85	87
60-64	86	89
62-66	90	91
64-68	91	93
66-70	93	95
68-72	95	97
70-74	97	99
72-76	98	101
74-78	100	103







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		DUCTWORK EQUIPMENT	
DOUBLE LINE	SINGLE	DESCRIPTION	SPEC REF:
	~	RECTANGULAR DUCTWORK	
	~	CIRCULAR DUCTWORK	
	FR	FIRE RATED DUCTWORK	
	+++++++++++++++++++++++++++++++++++++++	DUCTWORK REMOVED	
FC		FLEXIBLE CONNECTION	
	HHABBAAAAA		
		DUCTWORK HIDDEN	
	<u>–</u> –	UUCT UP RECTANGULAR	
	$\vdash \bullet$		
/	$\succ$	DUCT DOWN RECTANGULAR	
$\bigcirc$	$\vdash$	DUCT DOWN ROUND	
]		CAP END	
	AP	ACCESS DOOR	
FD	FD	FIRE DAMPER	
		VOLUME CONTROL DAMPER	
FSD	} FSD	COMBINATION FIRE SMOKE CONTROL DAMPER	
FSD/VCD	FSD/VCD	COMBINED FIRE AND SMOKE CONTROL AND VOLUME CONTROL DAMPER	
		SMOKE CONTROL DRAMER	
{	, → MD		
NRD	} NRD		
纪[ʃʃv~]]} ATT-XX-XX	-[[]-	ATTENUATOR	
	4	TURNING VANES	
HB-XX-XX	<b>N</b>	ELECTRIC HEATER BEATTERY	
		AHU PLANT	
		DESCRIPTION	SPEC REF:
ACCESS		ACCESS SECTION	
		CENTRIFUGAL	
		PANEL FILTER	
		BAG FILTER	
	2	ATTENUATOR	

	HVAC EQUIPMENT	
	DESCRIPTION	SPEC REF:
AF-XX-XX	AIR FILTER	U83.2.3 U83.2.4 U83.2.5 U83.2.6
AF-XX-XX	HEPA FILTER	U83.2.7
AF-XX-XX	ACTIVATED CARBON FILTER	U83.2.8
EF-XX-XX	AXIAL FAN	U82.2.3
SF-XX-XX EF-XX-XX	CENTRIFUGAL FAN	U82.2.5
EF-XX-XX	BIFURCATED FAN	U82.2.8
SF-XX-XX EF-XX-XX	PLUG FAN	U82.2.6
→ 8 SF-XX-XX EF-XX-XX	AXIAL MIXED FLOW FAN	U82.2.7
KH-XX-XX ↓ →	KITCHEN HOOD SUPPLY AND EXTRACT	U12.2.7
	ROOF COWL	
	CONTROLS & INSTRUMENTS	
	DESCRIPTION	SPEC REF:
P	PRESSURE GAUGE	
Ţ	TEMPERATURE GAUGE	
Ç	CONTENTS GAUGE	
P	DIFFERENTIAL PRESSURE GAUGE	
Fs	FLOW SWITCH	
T	TEMPERATURE SENSOR	
Р	PRESSURE SENSOR	
F	FLOW MEASUREMENT	
H	HUMIDITY SENSOR	
	AIR TERMINALS	
L-XX-XX	INTAKE LOUVRE	U88.2.12 U88.2.13
→ L-XX-XX	EXHAUST AIR LOUVRE	U88.2.12 U88.2.13

FB

I. FOR ABI AND MEC	BREVIATIONS RELATING TO DISTRIBUTED	SERVICES EFER TO
SCHEDUL	LES "BUILDING SERVICES ACRONYMS" AND	) "MEP
SERVICES	S EQUIPMENT ACRONYMS"	

				_
MAINTENANCE/CLEANING/OPE	ERATION.			
DECOMMISSIONING/DEMOLITI	<u>ON.</u>			
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01       FOR TENDER         00       FOR COMMENTS         Rev       Description         TE         Status of drawing         Status of drawing         Status of drawing         Architect       N/A         Project       British Museum -         Drg Title       LEGENDS, 5	END HAI NEI Pizzeria Ventil SYMBOLS	04.12.20 18.11.20 Date		
01       FOR TENDER         00       FOR COMMENTS         Rev       Description         TE         Status of drawing         Status of drawing         Status of drawing         Architect       N/A         Project       British Museum -         Drg Title       LEGENDS, 1	END HAI NEI Pizzeria Ventil SYMBOLS	04.12.20 18.11.20 Date	CC CC Dm	
01 FOR TENDER 00 FOR COMMENTS Rev Description TE Status of drawing BURO BURO BURO SCALES@A1 N.T.S. Drawn by CC Checked by SC	END HAI NEI Pizzeria Ventil SYMBOLS	04.12.20 18.11.20 Date		

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DO NOT SCALE THIS DRAWING.

## LINETYPES FOR MAIN ROUTES


ABOVE CEILING LEVEL AT HIGH LEVEL AT LOW LEVEL **BELOW FLOOR** 

ABBREVIATIONS

DIAMETER LOW LEVEL HIGH LEVEL TO ABOVE TO BELOW FA FROM ABOVE FROM BELOW RTARISE TO ABOVERFBRISE FROM BELOWDTBDROP TO BELOWDFADROP FROM ABOVE





AINTENANCE/CLEANING/OPERATION.     MAINTENANCE/CLEANING/OPERATION.     DECOMMISSIONING/DEMOLITION.     DECOMMISSIONING/DEMOLITION.     DECOMMISSIONING/DEMOLITION.     DECOMMISSIONING/DEMOLITION.     DECOMMISSIONING/DEMOLITION.     Notes     I. FIRE DAMPERS ARE REQUIRED IN FIRE RATED WALLS AND     FLOORS, SEE STANDARD DETAIL SHEETS 3 & 4.     2. CUT ENDS OF UNISTRUT TO BE GALVANISED PAINTED AND     COMPLETE WITH END CAPS.     J. FRETENERS     REINFORCING     RIGID THERMAL INSULATION WITH ALUMINIUM FOIL BACKING	
DO NOT SCALE THIS DRAWING. HEALTH AND SAFETY INFORMATION IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING CONSTRUCTION.	DO NOT SCALE THIS DRAWING.         HEALTH AND SAFETY INFORMATION         IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE         TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING         CONSTRUCTION.         MAINTENANCE/CLEANING/OPERATION.         TYPES OF WORK ARE REQUIRED IN FIRE RATED WALLS AND FLOORS, SEE STANDARD DETAIL SHEETS 3 & 4.         COUT ENDS OF UNISTRUT TO BE GALVANISED PAINTED AND COMPLETE WITH END CAPS.



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7 · ∠\	·	· .	· .	DO NOT SCALE THIS DRAWING.	
⊲				IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING CONSTRUCTION.	
			∠1 ♥	MAINTENANCE/CLEANING/OPERATION.	
	ER	×	· <u>·</u>	DECOMMISSIONING/DEMOLITION.	
				Notes	
———— G.S. SL	OTTED CHANNEL	SUPPORT		<ol> <li>SEEK APPROVAL FROM STRUCTURAL ENGINEER AND PROVIDE LOADING DETAILS FOR ALL FIXINGS.</li> <li>INSTALL SERVICES FIXINGS TO STEELWORK SO THAT ANY FIRE COATING OR CLADDING TO STEELWORK IS NOT</li> </ol>	,
				COMPROMISED. 3. COMPLY WITH MANUFACTURERS INSTRUCTIONS FOR PROPRIETARY STEEL COMPOSITE DECK FIXINGS	
				4. WALL MOUNTED CANTILEVER BRACKETS NOT PERMITTED	
ØD [mm]	H [mm]	h [mm] 310	m [kg]		
180	220	360	0,86		
225	240	380	1,26		
280	340	475	1,95		
345	420	555	2,92		
430	505	640	4,31		
550	620	755	6,75		5
685	846	981	9,57		002.dwg
			-,		X_XX_DR_M_30
					T/CAD\BM_BHE_X
				01 FOR TENDER 04.12.20 CC S 00 FOR COMMENTS 18.11.20 CC S Rev. Description Date Drn C	A D K CAD Work/202011
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					M4 Pizzeria\Detail
				BUROHAPPOLD ENGINEERING	3 Asset Cons\04 Calculations
					IIP 2020 - 2021/F13
				Architect N/A	fuseum
				Project British Museum - Pizzeria Ventilation Drg Title MECHANICAL DETAILS 3	1g\0045387 British N
					ect filir
				Scalos@A4_NITS Ich No AA45387	ath05\proje
				Scales@A1_NTS     Job No.     0045387       Drawn by     CC     Drawing No.       Checked by     SC     BM_BHE_XX_XX_DR_M_30	izio Ciardulli \\Srv-bath06\proje







CANOPY DETAILS:	
Halton Model:	KVF
Canopy Size:	2100 x 1600 x 555
Extract Flow Rate:	0.58m3/s
Static Pressure at Extract Spigot:	115 Pa
Extract Spigots (20 Mez):	1 No. 400 x 250
Supply Flow Rate:	0.45m3/s
Static Pressure at Supply Spigot:	52 Pa
Supply Spigots:	2No. Ø250
Approx Hanging Weight:	180 Kg
KSA Filters 500x330x50:	3 No.
Grease Drawers:	1 No.
Lighting Type & Number:	1No. LED09 (28w)
Lighting Colour Temperature:	4000 K

NOTE: 0.043m<sup>3</sup>/s SUPPLY AIR SHORTFALL TO BE BROUGHT IN VIA OTHER MEANS.



SECTION A-A

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HEALTH AND SAFETY INFO	RMATION			
CONSTRUCTION.	DRAWING, NOTE THE FOLLOWING			
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Status of drawing				
BUROHAPPOLD				
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Architect N/A	ia Ventilation			
Drg Title KITCHEN CANO				
Scales@A1 1:20 Drawn by CC	Job No. 0045387 Drawing No.			
Checked by SC	BM_BHE_XX_XX_DR_M_3003			
Date 04.12.2020	Rev 01			



<u>SECTION 001</u> 1:50



SECTION 002 1:50

	TO THE HAZARDS/RISK	
YPES OF WO	URK DETAILED ON THIS	S DRAWING, NOTE THE FOLLOWING
INSTALLATION	I WILL REQUIRE WORKING A	AT HEIGHT AND IN SMALL VOIDS
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DRAV	VING ANY DISCRE	SSOCIATED DRAWINGS OR
ATTE CONS 4. UNLE	ENTION OF THE N SULTANT IMMED ESS OTHERWISE	M&E BUILDING SERVICES DIATELY. STATED ALL DIMENSIONS ARE IN
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8. THIS	DRAWING SHOV	INTENDED. VS THE DESIGN INTENT ONLY. THE _ BE RESPONSIBLE FOR THE FULL
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