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Horniman Museum Aquarium Chiller Replacement

Electrical Distribution Board Schedule

Harley Haddow is the trading name of
Harley Haddow (London) Ltd
Registered in Scotland No: **458814**

A list of members' names is available for
inspection at 124-125 Princes Street, Edinburgh
Association for Consultancy and Engineering Member Firm

DISTRIBUTION BOARD SCHEDULE



DISTRIBUTION BOARD REF		DB/CC		PROJECT REF/TITLE		SHEET		1		OF		2		ISSUE N°		T2					
DIST ^N BD LOCATION		Chiller Compound		6		WAY TP&N TYPE C *		125		AMP		N° OF PHASES		1		NOMINAL VOLTAGE		230		V	
FUNCTION		Lighting & Power		Z _s		Ω		I _{pSCC}		KA		ASSOCIATED RCD (IF ANY)		RATING		100		A			
DIST ^N BD SUPPLIED FROM		Main Panel		RCD N° OF POLES		I _{Δn}		mA													
SUPPLY CABLE		4core35 sq mm XLPE/SWA/LSF		OVERCURRENT PROTECTIVE DEVICE FOR DIST ^N BOARD		TYPE BS (EN)		60947-2		RATING (A)		100									
CIRCUIT DETAILS - * The Installer shall make allowance for a minimum of 25% spare ways to be available upon completion of the works.																					
DIST ^N BD SWITCH DISCONNECTOR RATING (A)		125		CABLE/INSTALLATION DETAILS						OVERCURRENT PROTECTIVE DEVICE				RCD/RCBO OPERATING CURRENT I _{Δn}		BS 7671 REG 543.7 COMPLIANT (HIGH INTEGRITY EARTHING)		CIRCUIT DESIGN LENGTH [M]			
CIRCUIT NUMBER & PHASE		CIRCUIT DESIGNATION/LOCATION	CIRCUIT TYPE	TYPE OF WIRING (PHASE)	N° OF CORES IN MULTICORE CABLE	CIRCUIT CONDUCTOR CSA		CPC TYPE	SHORT CIRCUIT CAPACITY (KA)		10	RATING I _n	RCBO OPERATING CURRENT I _{Δn}	BS 7671 REG 543.7 COMPLIANT (HIGH INTEGRITY EARTHING)	CIRCUIT DESIGN LENGTH [M]						
						PHASE (MM ²)	CPC (MM ²)		BS (EN)	TYPE						A	mA	M			
1	L1	Chiller Compound lighting	RAD	C	-	2.5	2.5	Z	60898	C	10										
	L2	Spare																			
	L3	Spare																			
2	L1																				
	L2	Chiller No.1	RAD	C	4	2.5	2.5	Z	60898	B	20										
	L3																				
3	L1																				
	L2	Chiller No.2	RAD	C	4	2.5	2.5	Z	60898	B	20										
	L3																				
4	L1	Chilled Water pump	RAD	C	-	2.5	2.5	Z	60898	B	20										
	L2	Pressurisation Unit	RAD	C	-	2.5	2.5	Z	60898	B	20										
	L3	Dosing Unit	RAD	C	-	2.5	2.5	Z	60898	B	20										
5	L1																				
	L2	Mechanical Control Panel	RAD	F	4	16.0	16.0	X	60898	C	63										
	L3																				
6	L1	Switched Socket outlets	RNG	C	-	2.5	2.5	Z	61009	B	32										
	L2	Auxilliary Supply to Chiller NO.1	RAD	C	-	2.5	2.5	Z	61009	B	20										
	L3	Auxilliary Supply to Chiller NO.2	RAD	C	-	2.5	2.5	Z	61009	B	20										
7	L1	Chiller no.1 Hydraulic Pack	RAD	C	-	2.5	2.5	Z	61009	B	20										
	L2	Chiller no.2 Hydraulic Pack	RAD	C	-	2.5	2.5	Z	61009	B	20										
	L3																				
8	L1																				
	L2																				
	L3																				
CPC TYPE		W	Conduit/Trunking	X	Integral Core of Cable	BS(EN) Numbers: a) 60898 - MCB b) 61009 - RCBO															
Y		Armour/Sheath via Earth Tail Connection		Z	Separate Cu/LSF Cable	c) 60947-2 - MCCB d) BS 88 - HRC Fuselinks e) 61008 - RCD															
TYPE OF WIRING (PHASE)		f) BS1361- HRC Fuselinks g) BS3036 - Rewireable Fuse																			
A	B	C	D	E	F	G	O (Other)	CIRCUIT TYPES													
Cu/XLPE/LSF Twin and Earth Cables	Cu/PVC/PVC Twin and Earth Cables	Cu/LSF Singles in Metallic Trunking /Conduit	Cu/LSF Singles in Non-Metallic Trunking /Conduit	Cu/PVC/ SWA/ PVC Multicore Cables	Cu/XLPE/ SWA/ LSF Multicore Cables	FP200 Gold Fire Rated Multicore Cables	Multicore Flexishield	LTG	Lighting Circuit												
								RAD	Radial Circuit												
								RNG	Ring Main Circuit												