LIGHTNING PROTECTION
TEST CERTFICATE
For New Installations and Verification of Existing Installations

Master - 2443

Details of Client

Client:	MR Electrical Services Ltd.
Address:	Unit 1.2 Central Point, Kirpal Road, Portsmouth, Hampshire, PO3 6FH

Details of Installation

		The installation is:	
Occupier:	Daedalus Park Site B, North and South	New	✓
Address:	PO13 9FU	An addition	
Extent of the installation covered by this certificate:	Illustrious/Invincible Buildings	An alteration	
		Verification of Existing Installation	✓

Particulars of Contractor

		Responsible for:	
Company:	Orion Lightning Protection Ltd	Design	✓
Address:	Unit 8 Wickham Business Centre, Harwood Road, Harwood Industrial Estate, Littlehampton, West Sussex BN17 7AU Telephone: 01903 724 218	Installation	✓
		Verification	✓

Inspection and Testing

Date of Inspection:	17 April 2019	**Overall Resistance:**	**5.22**	**Ω**	
Test Engineer:	Mr J May	System installed to		Protection Level	
Test Instrument:	Kyoritsu 4105A	BSEN 62305	PASS	Level I	
Serial No:	W8228125	BSCP 6651		Level II	
Next Inspection due:	17 April 2019	BSCP 326		Level III	
Additional Comments:	System requires annual inspection			Level IV	

Declaration of Conformity

We being the person(s) responsible for the inspection and testing of the lightning protection installation (as indicated by our signature(s) below) particulars of which are described above, have excercised reasonable skill and care when carrying out the inspection and testing and hereby CERTIFY that the work for which we have been responsible is, to the best of our knowledge and belief in accordance with the British Standard as indicated except for the departures, if any, detailed as follows:

Details of departures from British Standard indicated above: Co-ordinated surge protection is required under BSEN62305
Not installed at time of inspection

The extent of liability of the signatory is limited to the work described above as subject of this certificate.

For the INSPECTION and TESTING of the installation:

Signature		Date	17/04/2019	Name	Mr J May

Inspector

Reviewed by

Signature		Date	17/04/2019	Name	Jason Harfield

Supervisor

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Air Termination Network

										Other
Air Terminals	500mm		1000mm		2000mm		None		Metallic Roof
Material	Copper		Aluminium						
Conductor Size	20 x 3mm		25 x 3mm		8mm				
Metal Roof	Zinc		Aluminium		Copper		Steel	✓	
PVC Colour	Brown		Black		Grey				
	White		Stone		Bare				
Fixings	Non-Metallic		Slate Holdfasts		Felt Cleats		Self Adhesive		
Bonds	A/C Unit		TV Aerial		Handrail		PV Panels		
Type of Bonds	B Bond		Rivet		T Clamp		Nut & Bolt		
Roof Access	Yes		No	✓					

Down Conductor Network

									Other
Material	Aluminium		Copper		Steel Frame	✓	Re-bar		
Conductor Size	20 x 3mm		25 x 3mm		8mm				
PVC Colour	Brown		Black		Grey				
	White		Stone		Bare				
Fixings	Non-metallic		Metallic		Self Adhesive		In Cavity		
Bonds	AC Unit		TV Aerial		Balcony		CCTV		
Type of Bonds	B Bond	✓	Rivet		T Clamp		Nut & Bolt		
Number of Down Conductors	12		High and Low Level Bonds						

Earth Termination Network

									Other
Material	Copperbond	✓	Copper		Stainless Steel		Foundations		
Size	16mm	✓	19mm		25mm		50mm		
Mat Size	300mm		600mm						
Eart Pit	Plastic	✓	Concrete		None		Other		
Earth Type	A - Rod	✓	A - Pile Cap		B - Earth Mat		B - Earth Ring		
Number of Earths	12								

Comments

telephone: 01903 724218

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Surge Suppression Device

	Installed device:	Installed by:
Main Incomer	Not requested by Client	
Sub Distribution		
Data Installation		
Telecoms Installation		

Earth Test Results

Ref No	Resistance Ω (Ohms)	Ground Type	Pit Type	Earthing Type	Size (mm)	Test Point	Labels Present	Test Position	Test Method	Notes
E1	42.2	Tarmac	Plastic Furse	Copper Bond	16	A-Clamp	Yes	Pit	Dead	
E2	31.1	Tarmac	Plastic Furse	Copper Bond	16	A-Clamp	Yes	Pit	Dead	
E3	92.8	Tarmac	Plastic Furse	Copper Bond	16	A-Clamp	Yes	Pit	Dead	
E4	74.2	Tarmac	Plastic Furse	Copper Bond	16	A-Clamp	Yes	Pit	Dead	
E5	88.0	Tarmac	Plastic Furse	Copper Bond	16	A-Clamp	Yes	Pit	Dead	
E6	67.0	Tarmac	Plastic Furse	Copper Bond	16	A-Clamp	Yes	Pit	Dead	
E7	83.4	Tarmac	Plastic Furse	Copper Bond	16	A-Clamp	Yes	Pit	Dead	
E8	72.1	Tarmac	Plastic Furse	Copper Bond	16	A-Clamp	Yes	Pit	Dead	
E9	80.4	Tarmac	Plastic Furse	Copper Bond	16	A-Clamp	Yes	Pit	Dead	
E10	55.9	Tarmac	Plastic Furse	Copper Bond	16	A-Clamp	Yes	Pit	Dead	
E11	67.2	Tarmac	Plastic Furse	Copper Bond	16	A-Clamp	Yes	Pit	Dead	
E12	71.3	Tarmac	Plastic Furse	Copper Bond	16	A-Clamp	Yes	Pit	Dead	
E13										
E14										
E15										
E16										
E17										
E18										
E19										
E20										
E21										
E22										
E23										
E24										
E25										