

Lightning Protection Inspection for :- Post Office Ltd (HS) Gloucester Kings Sq CO																
Contract No:	POR011851			Building:	Post Office Ltd (HS) Gloucester Kings Sq CO				Building Material:	Brick			Weather:	Overcast		
Supervisor	Bailey Lane			LPS Installed:	Yes				Building Colour:	Red			Ground State:	Frozen		
Operative:	Alex Quinn			No of Earths:	4				Roof Material:	Tile			Test Meter:	43392		
Test Date:	06/09/2023			Building Height:	20M				Roof Colour:	Grey			Calibration Due:	20/01/2024		
Lightning Protection System Information:				Earth Point	Earth Reading	Result	Sum	Ground Type	Pit Type	Rod Type	Tested From	T/C Type	Test Method	Comments		
Air Termination Network																
Type/Material:	Aluminium	Fixing Type:	PVC	E1	17.79	Pass	0.056211	T	N/A	Unknown	W	B	DE	Position in good working order		
Colour:	Grey	Other:		E2	32	Pass	0.03125	T	N/A	Unknown	W	B	DE	Position in good working order		
Size:	25 x 3mm	Pass / Fail:	Pass	E3	31.3	Pass	0.031949	T	N/A	Unknown	W	B	DE	Position in good working order		
Down Conductor Network:				E4	19.13	Pass	0.052274	T	P	CB	W	B	DE	Position in good working order		
Type/Material:	Aluminium	Fixing Type:	PVC													
Colour:	Grey	Other:														
Size:	25 x 3mm	Pass / Fail:	Pass													
Earth Electrodes and Test Points:																
No of Earths:	4	Type/Material:	Copper Bond													
Max Ohms:	40	Size:	16mm													
Other:		Pass / Fail:	Pass													
Early Streamer Emitter (ESE):																
Installed:	N/A	Reading:														
Equipotential Bond:																
Installed:	Unknown	Location:														
Surge Protection:																
Installed:	Unknown	Location:														
Comments:																
Repairs completed on 1/12/2023																
Inspection																
The Lightning Protection inspection was carried out in accordance with BS 6651 And the system is compliant				OVERALL READING:	5.824649448	System PASSES							0.171684152			

Certificate of Inspection



Building Information:

Site:	Post Office Ltd (HS) Gloucester King	Building:	Post Office Ltd (HS) Gloucester King
Site Address:	Kings Square	Client:	Atalian Servest Amk Ltd
	GLOUCESTER	Test Instrument:	43392
Postcode:	GL1 1AD	Calibration Due:	20 January 2024
Test Engineer:	Bailey Lane	Test Date:	06 September 2023
		Next Test Due:	05 September 2024

The Lightning Protection inspection was carried out in accordance with BS 6651 And the system is compliant

Earth Resistance Readings:

The resistance to earth for each position is calculated by multiplying the number of earth positions by 10ohms.

The maximum resistance in ohms for each earth position is 40 Ohms.

E1 17.79
E2 32
E3 31.3
E4 19.13

A calculation has been completed for Overall Earth Resistance Reading: 5.82

Inspection:

A visual inspection was completed on all parts of the Lightning Protection Installation to ensure that the system is mechanically sound and free from defects in the following areas:

Lightning Protection Network	Pass/Fail
Air Termination Network	Pass
Down Conductor Network	Pass
Earth Rods and Test Points	Pass

Design of the system not checked, system inspected and tested for condition as installed.

Important: If you suspect the LPS has been struck by lightning a full inspection must be carried out to ensure the system is in good working order.

If your building has been extended/changed then an inspection must be carried out to ascertain if the structure still meets BS EN 62305.

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