


Lightning Protection Test and Inspect

Attendance Record

Work reference:	WSTO238016
Site:	Hollymount Primary School,
Date of attendance:	04/08/2023
Purchase order issued:	Joe Croft - 07.06.2023

Engineer Name	Terry Blue
Engineers Signature	

Site Representative	
Site Representative Signature	

LIGHTNING PROTECTION CERTIFICATE OF INSPECTION & TEST REPORT

PTSG Electrical Services Ltd. 13-14 Flemming Court, Whistler Drive, Castleford,
West Yorkshire, WF10 5HW

Stoke Office: 01782 565797 Head Office: 01977 668771



Client	BRM Associates		
Site Name	Hollymount Primary School,	Building Name	Hollymount Primary School,
Address	Cambridge Road, Wimbledon, SW20 0SQ		
PTSG Job Reference	WSTO238016	Client Purchase Order	Joe Croft - 07.06.2023
Completion Date of Inspection	04/08/2023		
Engineer Name	Terry Blue	Site Representative Name	
Engineer Signature		Site Representative Signature	

BUILDING INFORMATION			
Construction of Building	Brick/Block	Usage of Building	Educational
Density	Suburban	No. of Floors	2
Type of Roof	Tile/Slate/Flat Felt	Dedicated roof Access	No
Type of LPS	Faraday	System Type	Full BS System
Surge Protection	No	Height of building (m)	10
Existing Fire Protection	Automatic	Risk of Fire	Ordinary
Location Relative to Surroundings	Surround by Objects of Similar Height		

INSPECTION PARAMETERS			
Test Set Number used	Meg 147	Weather Conditions	Damp

AIR TERMINATION		Repair Required	No
Type	Aluminium		
Size	25mmx3mm PVC		
Mesh Size	10x10		
Fixings	Torch on Felt pads; Slate Holdfasts		
Fixing Type	Clamped		
Bonding Type	Alu B Bond		
Any Comments			

DOWN CONDUCTOR		Repair Required	No
Material	Aluminium		
Colour	Brown		
Size	25 x 3mm PVC		
Fixings	Non Metallic		
Spacing	10m		
EQ Bond Fitted	No		
Any Comments			

EARTH POINTS	
Total number of earth points on the system	12
Ohms reading of each point should not be above	120
Ground Repairs required	Yes
Any exceptions to repair on earth point reading	
Overall System Reading	0.583

0 ohms = No Access, No Test or No Reading – see provisional Certificate

EP No.	Resistance in Ohms	Any Comments	Ground Type	Type of Inspection Pit	Type of Electrode	Type of Test Clamp	Test Method
1	6.2		Soil	Plastic Furse	Copper Bond	Bi-Metal	Dead earth test
2	4.4		Tarmac	Plastic Furse	Copper Bond	Stainless Steel	Dead earth test
3	3.3		Concrete	Plastic Wallis	Copper Bond	Oblong	Dead earth test
4	4		Resin Bond	NotVisible	Unidentified	Bi-Metal	Dead earth test
5	85		Tarmac	Plastic Furse	Copper Bond	A' Clamp	Dead earth test
6	3.3		N/A	NotVisible	Unidentified	Bi-Metal	Dead earth test
7	10.4		Concrete	Plastic Furse	Copper Bond	Bi-Metal	Dead earth test
8	118.5		Soil	NotVisible	Unidentified	Stainless Steel	Dead earth test
9	380		Slabs	Plastic Wallis	Copper Bond	Bi-Metal	Fall of Potential
10	6.7		Soil	Plastic Furse	Copper Bond	Bi-Metal	Dead earth test
11	18.8		Soil	Plastic Furse	Copper Bond	Stainless Steel	Dead earth test
12	6.7		Soil	Plastic Furse	Copper Bond	A' Clamp	Dead earth test

PTSG Electrical Services Ltd, Unit 43 Winpenny Road, Parkhouse Industrial Estate East, Newcastle Under Lyme ST5 7RH. Tel 01782 565797



Registered Office: PTSG Electrical Services Ltd,
11-14 Flemming Court, Castleford, West Yorkshire WF10 5HW
Registered in England and Wales No. 02811979

Provisional Certificate of Test and Inspection

Certificate Ref CERSTO248875

Customer BRM Associates

Building Name Hollymount Primary School,

Site Address Hollymount Primary School,
Cambridge Road,
Wimbledon,
SW20 0SQ

Fail

Type: Full BS System

**Structural Lightning Protection System
requires repair works to return to a
serviceable condition.**

Calibration certificates available on request

Tested by: Terry Blue

Equipment Meg: Meg 147

Conditions: Damp

Air Termination Network

Type Aluminium

Size 25mmx3mm PVC

Mesh Size 10x10

Fixings Torch on Felt pads; Slate Holdfasts

Fixing Type Clamped

Bonding Type Alu B Bond

Down Conductor Network

Material Aluminium

Colour Brown

Size 25 x 3mm PVC

Fixings Non Metallic

Spacing 10m

EQ Bond Fitted No

Overall System Reading: 0.583

Exception on high overall or individual reading(s):

**This is a provisional Certificate and is subject to amendment. The result is not confirmed until reviewed.
This certificate will be reviewed within 48 hours.
Once reviewed the signed certificate will be available immediately**

0 ohms = No Access, No Test or No Reading

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