


## Lightning Protection Test and Inspect

### Attendance Record

Work reference:	WSTO274755
Site:	Sue Ryder Care
Date of attendance:	27/06/2024
Purchase order issued:	1073545

Engineer Name	Jason Mooney
Engineers Signature	

Site Representative	Trevor Handsford (Maintenance Manager)
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	Sue Ryder Care		
Site Name	Sue Ryder Care	Building Name	Sue Ryder Care Thorpe Hall Peterborough
Address	Thorpe Hall Hospice Thorpe Road Longthorpe Peterborough Cambridgeshire PE3 6LW		
PTSG Job Reference	WSTO274755	Client Purchase Order	1073545
Completion Date of Inspection	27/06/2024		
Engineer Name	Jason Mooney	Site Representative Name	Trevor Handsford (Maintenance Manager)
Engineer Signature		Site Representative Signature	

BUILDING INFORMATION			
Construction of Building	Stone	Usage of Building	Residential
Density	Rural	No. of Floors	3
Type of Roof	Tile/Slate	Dedicated roof Access	No
Type of LPS	Faraday	System Type	Full System
Surge Protection	Not Visible	Height of building (m)	14
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 232	Weather Conditions	Damp

AIR TERMINATION	Repair Required	No
Type	Aluminium	
Size	25mmx3mm PVC	
Mesh Size	20x20	
Fixings	NMDC Clips;Slate Holdfasts	
Fixing Type	Clamped	
Bonding Type	Alu B Bond	
Any Comments		

DOWN CONDUCTOR	Repair Required	No
Material	Aluminium	
Colour	Stone	
Size	25 x 3mm PVC	
Fixings	Non Metallic	
Spacing	20m	
EQ Bond Fitted	Not Visible	
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	No
Any exceptions to repair on earth point reading	
Overall System Reading	1.962

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
E1	21.3		Soil	Concrete Furse	Copper Bond	Stainless Steel	Dead earth test
E2	73.6		Slabs	None	Unidentified	Stainless Steel	Dead earth test
E3	44.4		Soil	None	Unidentified	Stainless Steel	Dead earth test
E4	19.6		Gravel	Concrete Furse	Copper Bond	Stainless Steel	Dead earth test
E5	10.01		Slabs	None	Unidentified	Stainless Steel	Dead earth test

EP No.	Resistance in Ohms	Any Comments	Ground Type	Type of Inspection Pit	Type of Electrode	Type of Test Clamp	Test Method
E6	14.76		Gravel	None	Unidentified	Stainless Steel	Dead earth test
E7	47.6		Slabs	None	Unidentified	Stainless Steel	Dead earth test
E8	36.7		Soil	None	Unidentified	Stainless Steel	Dead earth test
E9	39.5		Soil	None	Unidentified	Square	Dead earth test
E10	64.4		Resin Bond	Concrete Furse	Copper Bond	Stainless Steel	Dead earth test
E11	57.1	Continuity fault impracticable to repair	Gravel	None	Unidentified	Stainless Steel	Fall of Potential
E12	9.88		Soil	None	Unidentified	Stainless Steel	Dead earth test

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

## Provisional Certificate of Test and Inspection

**Certificate Ref** CERSTO285734

**Customer** Sue Ryder Care

**Building Name** Sue Ryder Care  
Thorpe Hall Peterborough

**Site Address** Sue Ryder Care  
Thorpe Hall Hospice  
  
Thorpe Road Longthorpe  
  
Peterborough  
Cambridgeshire  
PE3 6LW

# Pass

Type: Full System

**The Structural Lightning Protection System has been tested in accordance with BS 6651 or BS EN 62305-3. The system is in a satisfactory condition.**

Calibration certificates available on request

Tested by: Jason Mooney

Equipment Meg: Meg 232

Conditions: Damp

### Air Termination Network

**Type** Aluminium

**Size** 25mmx3mm PVC

**Mesh Size** 20x20

**Fixings** NMDC Clips; Slate Holdfasts

**Fixing Type** Clamped

**Bonding Type** Alu B Bond

### Down Conductor Network

**Material** Aluminium

**Colour** Stone

**Size** 25 x 3mm PVC

**Fixings** Non Metallic

**Spacing** 20m

**EQ Bond Fitted** Not Visible

**Overall System Reading: 1.962**

**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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E1	21.3	-	Soil	Concrete Furse	Copper Bond	Stainless Steel	Dead earth test
E2	73.6	-	Slabs	None	Unidentified	Stainless Steel	Dead earth test
E3	44.4	-	Soil	None	Unidentified	Stainless Steel	Dead earth test
E4	19.6	-	Gravel	Concrete Furse	Copper Bond	Stainless Steel	Dead earth test
E5	10.01	-	Slabs	None	Unidentified	Stainless Steel	Dead earth test
E6	14.76	-	Gravel	None	Unidentified	Stainless Steel	Dead earth test
E7	47.6	-	Slabs	None	Unidentified	Stainless Steel	Dead earth test
E8	36.7	-	Soil	None	Unidentified	Stainless Steel	Dead earth test
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E11	57.1	-	Gravel	None	Unidentified	Stainless Steel	Fall of Potential
E12	9.88	-	Soil	None	Unidentified	Stainless Steel	Dead earth test

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Registered Office: PTSG Electrical Services Ltd,  
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