



# Lightning Protection Inspection & Test Certificate

REFERENCE **GD/00029/28887**PASS / FAIL: **PASS**

## DETAILS OF CLIENT

Name: Ines Carr

Address: Coast House, Spectrum 4, Spectrum Business Park, Seaham, County Durham, United Kingdom, SR7 7TT

## SITE ADDRESS

Name: Robinson House Horden

Address: Park Lane, Horden, Peterlee, SR8 4DD

Work Type: Inspection &amp; Test

Comments:

Annual test and inspection in order to identify the compliance of the lightning protection system in accordance with sections 31 to 34 of BS 6651 and BS EN 62305 Part 3 Annex E.7 including all other relevant standards 'Protection of Structures Against Lightning' comments on its general compliance including any defects are noted below.

## AIR TERMINATION NETWORK

### ROOF TYPE

### ROOF COLOUR

### AIR RODS

500mm

1000mm

2000mm

None

Notes:

A visual inspection has been carried out at ground level of all accessible components, please see attached additional comments of our findings.

### MATERIAL

Copper

Aluminium

Steel Frame

Re-Bar

Metallic

Notes:

Chimney Only

### CONDUCTOR SIZE

20 x 3mm

25 x 3mm

8mm

50 x 6mm

50mm CSA

70mm CSA

95mm CSA

120mm CSA

### PVC COLOUR

Brown

Black

Grey

White

Stone

Bare

Green/Yellow

**FIXING**

Non-Metallic  
  
In Cavity

Slate Holdfasts

Felt Cleats

Self Adhesive

Metallic

**MESH GRID SIZES**

20m x 20m

15m x 15m

10m x 10m

5m x 5m

**ROOF STYLES**

Flat

Pitched & Hipped

Pitched & Gabled

**BONDING**

**MATERIAL**

Copper

Aluminium

Steel Frame

Re-Bar

Metallic

**CONDUCTOR SIZE**

20 x 3mm

25 x 3mm

8mm

50 x 6mm

50mm CSA

70mm CSA

95mm CSA

120mm CSA

**FIXING**

Non-Metallic  
  
In Cavity

Slate Holdfasts

Felt Cleats

Self Adhesive

Metallic

**BONDS**

AC Unit

TV Aerial

Balcony

CCTV

**TYPE OF BONDS**

B Bond

Rivet

Tower Clamp

Nut & Bolt

**DOWN CONDUCTOR NETWORK**

**INTERNAL DOWN CONDUCTORS**

0

**MATERIAL**

Copper

**Aluminium**

Steel Frame

Re-Bar

Metallic

**CONDUCTOR SIZE**

20 x 3mm

**25 x 3mm**

8mm

50 x 6mm

50mm CSA

70mm CSA

95mm CSA

120mm CSA

**PVC COLOUR**

Brown

Black

Grey

**White**

Stone

Bare

Green/Yellow

**FIXING**

**Non-Metallic**

Slate Holdfasts

Felt Cleats

Self Adhesive

Metallic

In Cavity

**TEST CLAMPS**

Oblong

Bi-Metal

Square

Plate Type

**Stainless Steel**

A Clamp

Screw Down

**GROUND CONDITIONS**

Wet

**Dry**

Damp

**CONDUCTOR TYPES**

High Level Bond

**Low Level Bond**

Notes:

A visual inspection has been carried out at ground level of all accessible components, please see attached additional comments of our findings.

**EARTH TEST RESULTS**

REF	RESISTANCE	GROUND TYPE	HOUSING TYPE	EARTHING TYPE	EARTH SIZE	EARTH LENGTH	TEST FACILITY	TEST POSITION	TEST METHOD	PASS OR FAIL?
E1	18.9 ohms	Tarmac	Plastic Wallis	Electrode Copperbond	16 Dia	1200	Stainless Steel	Wall	Dead	PASS
E2	22.5 ohms	Tarmac	Concrete	Electrode Copperbond	16 Dia	1200	Stainless Steel	Wall	Dead	PASS

Through System Test:

3.81

Mean Resistance:

10.272

**EQUIPOTENTIAL CONDUCTOR**

**INSTALLED**

Yes

**No**

**MATERIAL**

Copper

Aluminium

Steel Frame

Re-Bar

Metallic

**CONDUCTOR SIZE**

20 x 3mm

25 x 3mm

8mm

50 x 6mm

50mm CSA

70mm CSA

95mm CSA

120mm CSA

**PVC COLOUR**

Brown

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Grey

White

Stone

Bare

Green/Yellow

**FIXING**

Non-Metallic

Slate Holdfasts

Felt Cleats

Self Adhesive

Metallic

In Cavity

**SURGE PROTECTION**

**MAIN INCOMER**

Quantity:

Type:

ESP 415/I/TNS

Installation By:

Not Specified

**SUB DISTRIBUTION**

Quantity:	
Type:	ESP 415/I/TNS
Installation By:	Not Specified

**DATA INSTALLATION**

Quantity:	
Type:	ESP 415/I/TNS
Installation By:	Not Specified

**TELECOMS INSTALLATION**

Quantity:	
Type:	ESP 415/I/TNS
Installation By:	Not Specified

**INSPECTION & TESTING**

Date of Inspection:	22 January 2025
Next Inspection Due:	January 2026
Test Engineer:	Garry Donald
Instrument Ref:	DET3TD 101036844

**DECLARATION OF CONFORMITY**

**Engineer:**

Signature		Date:	22 January 2025	Name:	Garry Donald
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**Reviewed By:**

Signature		Date:	22 January 2025	Name:	Garry Donald
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