



Lightning Protection Inspection & Test Certificate

ATLAS NO. **0301** REFERENCE **PH/00078/31649**PASS / FAIL: **PASS**

DETAILS OF CLIENT

Name: Pamela Wilson

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

SITE ADDRESS

Name: Coast House

Address: Spectrum 4, Spectrum Business Park, Seaham, SR7 7TT

Work Type: Inspection & 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

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

MESH GRID SIZES

20m x 20m

15m x 15m

10m x 10m

5m x 5m

Notes:

Building structure

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

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Metallic

In Cavity

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

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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	48.8 ohms	Flags	Plastic Furse	Electrode Copperbond	16 Dia	N/A	A-Clamp	Housing	Dead	PASS
E2	60.4 ohms	Flags	Plastic Furse	Electrode Copperbond	16 Dia	N/A	A-Clamp	Housing	Dead	PASS
E3	69 ohms	Flags	Plastic Furse	Electrode Copperbond	16 Dia	N/A	A-Clamp	Housing	Dead	PASS
E4	125.8 ohms	Soil	Plastic Furse	Electrode Copperbond	16 Dia	N/A	A-Clamp	Housing	Dead	PASS
E5	71.1 ohms	Soil	Plastic Furse	Electrode Copperbond	16 Dia	N/A	A-Clamp	Housing	Dead	PASS
E6	72.9 ohms	Soil	Plastic Furse	Electrode Copperbond	16 Dia	N/A	A-Clamp	Housing	Dead	PASS
E7	93.4 ohms	Soil	Plastic Furse	Electrode Copperbond	16 Dia	N/A	A-Clamp	Housing	Dead	PASS
E8	109.3 ohms	Soil	Plastic Furse	Electrode Copperbond	16 Dia	N/A	A-Clamp	Housing	Dead	PASS
E9	240 ohms	Soil	Plastic Furse	Electrode Copperbond	16 Dia	N/A	A-Clamp	Housing	Dead	FAIL
E10	122.1 ohms	Flags	Plastic Furse	Electrode Copperbond	16 Dia	N/A	A-Clamp	Housing	Dead	PASS
E11	129.7 ohms	Slab	Plastic Furse	Electrode Copperbond	16 Dia	N/A	A-Clamp	Housing	Dead	PASS
E12	35.8 ohms	Flags	Plastic Furse	Electrode Copperbond	16 Dia	N/A	A-Clamp	Housing	Dead	PASS

Through System Test:

2.17

Mean Resistance:

6.446

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

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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:	25 September 2025
Next Inspection Due:	September 2026
Test Engineer:	Paul Haywood
Instrument Ref:	N/A

DECLARATION OF CONFORMITY**Engineer:**

Signature		Date:	25 September 2025	Name:	Paul Haywood
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Reviewed By:

Signature		Date:	29 September 2025	Name:	Garry Donald
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