STONE TECHNICAL SERVICES GROUP LTD
The Building & Structure Experts

Lightning Protection Inspection & Test Certificate

ATLAS NO. 0301 REFERENCE GD/00029/34816	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:	Crook Park Avenue Sheltered Apartments
Address:	Park Avenue Close, Crook, DL15 9JR
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

Membrane

ROOF COLOUR

Grey

AIR RODS

500mm	1000mm	2000mm	None
☐	☐	☐	☐

Notes: The code for the main doors is 1957A

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 ☐

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 ☐ Slate Holdfasts ☐ Felt Cleats ☐ Self Adhesive ☐ Metallic ☐
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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	49 ohms	Soil	Plastic Furse	Electrode Copperbond	15 Dia	Other	Bi-Metallic	Wall	Dead	PASS
E2	16.52 ohms	Tarmac	Plastic Furse	Electrode Copperbond	15 Dia	Other	Bi-Metallic	Wall	Dead	PASS
E3	20.6 ohms	Tarmac	Plastic Furse	Electrode Copperbond	15 Dia	Other	Bi-Metallic	Wall	Dead	PASS
E4	102.83 ohms	Soil	Plastic Furse	Electrode Copperbond	15 Dia	Other	Bi-Metallic	Wall	Dead	PASS
E5	43.2 ohms	Soil	Plastic Furse	Electrode Copperbond	15 Dia	Other	A-Clamp	Housing	Dead	PASS
E6	44 ohms	Soil	Plastic Furse	Electrode Copperbond	15 Dia	Other	Bi-Metallic	Wall	Dead	PASS
E7	67 ohms	Soil	Plastic Furse	Electrode Copperbond	15 Dia	Other	Bi-Metallic	Wall	Dead	PASS
E8	68.4 ohms	Slab	Plastic Furse	Electrode Copperbond	15 Dia	Other	Bi-Metallic	Wall	Dead	PASS
E9	63.7 ohms	Soil	Plastic Furse	Electrode Copperbond	15 Dia	Other	Bi-Metallic	Wall	Dead	PASS
E10	18.2 ohms	Tarmac	Plastic Furse	Electrode Copperbond	15 Dia	Other	Bi-Metallic	Wall	Dead	PASS
E11	8.89 ohms	Tarmac	Plastic Furse	Electrode Copperbond	15 Dia	Other	Bi-Metallic	Wall	Dead	PASS
E12	59.8 ohms	Soil	Plastic Furse	Electrode Copperbond	15 Dia	Other	Bi-Metallic	Wall	Dead	PASS
E13	55.1 ohms	Soil	Plastic Furse	Electrode Copperbond	15 Dia	Other	Bi-Metallic	Wall	Dead	PASS
E14	44.5 ohms	Soil	Plastic Furse	Electrode Copperbond	15 Dia	Other	Bi-Metallic	Wall	Dead	PASS
E15	48.8 ohms	Gravel	Plastic Furse	Electrode Copperbond	15 Dia	Other	Bi-Metallic	Wall	Dead	PASS
E16	133.7 ohms	Soil	Plastic Furse	Electrode Copperbond	15 Dia	Other	Bi-Metallic	Wall	Dead	PASS
E17	42.2 ohms	Slab	Plastic Furse	Electrode Copperbond	15 Dia	Other	Bi-Metallic	Wall	Dead	PASS
E18	62.9 ohms	Slab	Plastic Furse	Electrode Copperbond	15 Dia	Other	Bi-Metallic	Wall	Dead	PASS
E19	52.1 ohms	Block	Plastic Furse	Electrode Copperbond	15 Dia	Other	Bi-Metallic	Wall	Dead	PASS

Through System Test: 3.86

Mean Resistance: 1.845

EQUIPOTENTIAL CONDUCTOR

INSTALLED

Yes	**No**
☐	☑

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☐	☑	☐	☐	☐

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☐	☐	☐	☐	☐

In Cavity
☐

SURGE PROTECTION

MAIN INCOMER

Quantity:	0
Type:	ESP 415/I/TNS
Installation By:	Not Specified

SUB DISTRIBUTION

Quantity:	0
Type:	ESP 415/I/TNS
Installation By:	Not Specified

DATA INSTALLATION

Quantity:	0
Type:	ESP 415/I/TNS
Installation By:	Not Specified

TELECOMS INSTALLATION

Quantity:	0
Type:	ESP 415/I/TNS
Installation By:	Not Specified

INSPECTION & TESTING

Date of Inspection:	06 July 2026
Next Inspection Due:	July 2027
Test Engineer:	Garry Donald
Instrument Ref:	DET3TD 101036844

DECLARATION OF CONFORMITY

Engineer:

Signature		Date:	06 July 2026	Name:	Garry Donald

Reviewed By:

Signature		Date:	06 July 2026	Name:	Stephen Joyce