



Lightning Protection Inspection & Test Certificate

ATLAS NO. **0301** REFERENCE **PH/00078/23153**PASS / FAIL: **PASS**

DETAILS OF CLIENT

Name: Leah Maddison

Address: Property Services, County Hall, Durham, County Durham, United Kingdom, DH1 5UL

SITE ADDRESS

Name: Crook Park Avenue Sheltered Apartments

Address: Park Avenue Close, Crook, DL15 9JR

Work Type: Inspection & Test

Comments: Inspection & Test The code for the main doors is 1957A

AIR TERMINATION NETWORK

ROOF TYPE

Membrane

ROOF COLOUR

Grey

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:

No Access unidentified

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
☐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

Brown
☒Black
☐Grey
☐White
☐Stone
☐Bare
☐Green/Yellow
☐

FIXING

Non-Metallic
☒Slate Holdfasts
☐Felt Cleats
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☐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
☐

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	47.3 ohms	Soil	Plastic Furse	Electrode Copperbond	15 Dia	Other	Bi-Metallic	Wall	Dead	PASS
E2	39.2 ohms	Tarmac	Plastic Furse	Electrode Copperbond	15 Dia	Other	Bi-Metallic	Wall	Dead	PASS
E3	29.6 ohms	Tarmac	Plastic Furse	Electrode Copperbond	15 Dia	Other	Bi-Metallic	Wall	Dead	PASS
E4	100 ohms	Soil	Plastic Furse	Electrode Copperbond	15 Dia	Other	Bi-Metallic	Wall	Dead	PASS
E5	42 ohms	Soil	Plastic Furse	Electrode Copperbond	15 Dia	Other	A-Clamp	Housing	Dead	PASS
E6	45.2 ohms	Soil	Plastic Furse	Electrode Copperbond	15 Dia	Other	Bi-Metallic	Wall	Dead	PASS
E7	57.2 ohms	Soil	Plastic Furse	Electrode Copperbond	15 Dia	Other	Bi-Metallic	Wall	Dead	PASS
E8	53.4 ohms	Slab	Plastic Furse	Electrode Copperbond	15 Dia	Other	Bi-Metallic	Wall	Dead	PASS
E9	62.6 ohms	Soil	Plastic Furse	Electrode Copperbond	15 Dia	Other	Bi-Metallic	Wall	Dead	PASS
E10	87.6 ohms	Tarmac	Plastic Furse	Electrode Copperbond	15 Dia	Other	Bi-Metallic	Wall	Dead	PASS
E11	61.7 ohms	Tarmac	Plastic Furse	Electrode Copperbond	15 Dia	Other	Bi-Metallic	Wall	Dead	PASS
E12	53.1 ohms	Soil	Plastic Furse	Electrode Copperbond	15 Dia	Other	Bi-Metallic	Wall	Dead	PASS
E13	51.5 ohms	Soil	Plastic Furse	Electrode Copperbond	15 Dia	Other	Bi-Metallic	Wall	Dead	PASS
E14	41.3 ohms	Soil	Plastic Furse	Electrode Copperbond	15 Dia	Other	Bi-Metallic	Wall	Dead	PASS
E15	46.5 ohms	Gravel	Plastic Furse	Electrode Copperbond	15 Dia	Other	Bi-Metallic	Wall	Dead	PASS
E16	47.4 ohms	Soil	Plastic Furse	Electrode Copperbond	15 Dia	Other	Bi-Metallic	Wall	Dead	PASS
E17	36 ohms	Slab	Plastic Furse	Electrode Copperbond	15 Dia	Other	Bi-Metallic	Wall	Dead	PASS
E18	31.8 ohms	Slab	Plastic Furse	Electrode Copperbond	15 Dia	Other	Bi-Metallic	Wall	Dead	PASS
E19	7.55 ohms	Gravel	Plastic Furse	Electrode Copperbond	15 Dia	Other	Bi-Metallic	Wall	Dead	PASS

Through System Test:

1.5

Mean Resistance:

1.950

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
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Metallic

☐

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:	13 July 2023
Next Inspection Due:	July 2024
Test Engineer:	Paul Haywood
Instrument Ref:	N/A

DECLARATION OF CONFORMITY**Engineer:**

Signature



Date:

13 July 2023

Name:

Paul Haywood

Reviewed By:

Signature



Date:

13 July 2023

Name:

Jade Embleton