



# Lightning Protection Remedial Repair & Test Certificate

ATLAS NO. **0301** REFERENCE **DB/00053/14606**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: Remedial Repair &amp; Test

Comments: Remedial Repair &amp; Test

## 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  
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  
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**

**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	Flags	Plastic Furse	Electrode Copperbond	16 Dia	1200	A-Clamp	Housing	Dead	PASS
E2	60 ohms	Flags	Plastic Furse	Electrode Copperbond	16 Dia	1200	A-Clamp	Housing	Dead	PASS
E3	82 ohms	Gravel	Plastic Furse	Electrode Solid Copper	16 Dia	1200	A-Clamp	Housing	Dead	PASS
E4	43.6 ohms	Soil	Plastic Furse	Electrode Copperbond	16 Dia	1200	A-Clamp	Housing	Dead	PASS
E5	58 ohms	Soil	Plastic Furse	Electrode Copperbond	16 Dia	1200	A-Clamp	Housing	Dead	PASS
E6	75 ohms	Soil	Plastic Furse	Electrode Copperbond	16 Dia	1200	A-Clamp	Housing	Dead	PASS
E7	90 ohms	Soil	Plastic Furse	Electrode Copperbond	16 Dia	1200	A-Clamp	Housing	Dead	PASS
E8	100 ohms	Soil	Plastic Furse	Electrode Copperbond	16 Dia	1200	A-Clamp	Housing	Dead	PASS
E9	104 ohms	Flags	Plastic Furse	Electrode Copperbond	16 Dia	1200	A-Clamp	Housing	Dead	PASS
E10	95 ohms	Flags	Plastic Furse	Electrode Copperbond	16 Dia	1200	A-Clamp	Housing	Dead	PASS
E11	100 ohms	Slab	Plastic Furse	Electrode Copperbond	16 Dia	1200	A-Clamp	Housing	Dead	PASS
E12	37 ohms	Flags	Plastic Furse	Electrode Copperbond	16 Dia	1200	A-Clamp	Housing	Dead	PASS

Through System Test:

5.52

Mean Resistance:

5.523

**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

Black

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:	27 October 2020
Next Inspection Due:	October 2021
Test Engineer:	Dave Bisselltr
Instrument Ref:	N/A

**DECLARATION OF CONFORMITY****Engineer:**

Signature		Date:	27 October 2020	Name:	Dave Bisselltr
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**Reviewed By:**

Signature		Date:	28 October 2020	Name:	Hannah Bradley
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