



Lightning Protection Inspection & Test Certificate

ATLAS NO. **0301** REFERENCE **DB/00053/14063**PASS / FAIL: **FAIL**

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: Inspection & Test NEW

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

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Slate Holdfasts
Felt Cleats
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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

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	269 ohms	Soil	Plastic Furse	Electrode Copperbond	16 Dia	1200	A-Clamp	Housing	Dead	FAIL
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	FAIL
E9	290 ohms	Flags	Plastic Furse	Electrode Copperbond	16 Dia	1200	A-Clamp	Housing	Dead	FAIL
E10	665 ohms	Flags	Plastic Furse	Electrode Copperbond	16 Dia	1200	A-Clamp	Housing	Dead	FAIL
E11	216 ohms	Slab	Plastic Furse	Electrode Copperbond	16 Dia	1200	A-Clamp	Housing	Dead	FAIL
E12	37 ohms	Flags	Plastic Furse	Electrode Copperbond	16 Dia	1200	A-Clamp	Housing	Dead	PASS

Through System Test:

7.08

Mean Resistance:

7.078

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:	28 August 2020
Next Inspection Due:	August 2021
Test Engineer:	Dave Bisselltr
Instrument Ref:	N/A

DECLARATION OF CONFORMITY**Engineer:**

Signature		Date:	28 August 2020	Name:	Dave Bisselltr
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Reviewed By:

Signature		Date:	01 September 2020	Name:	Hannah Bradley
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