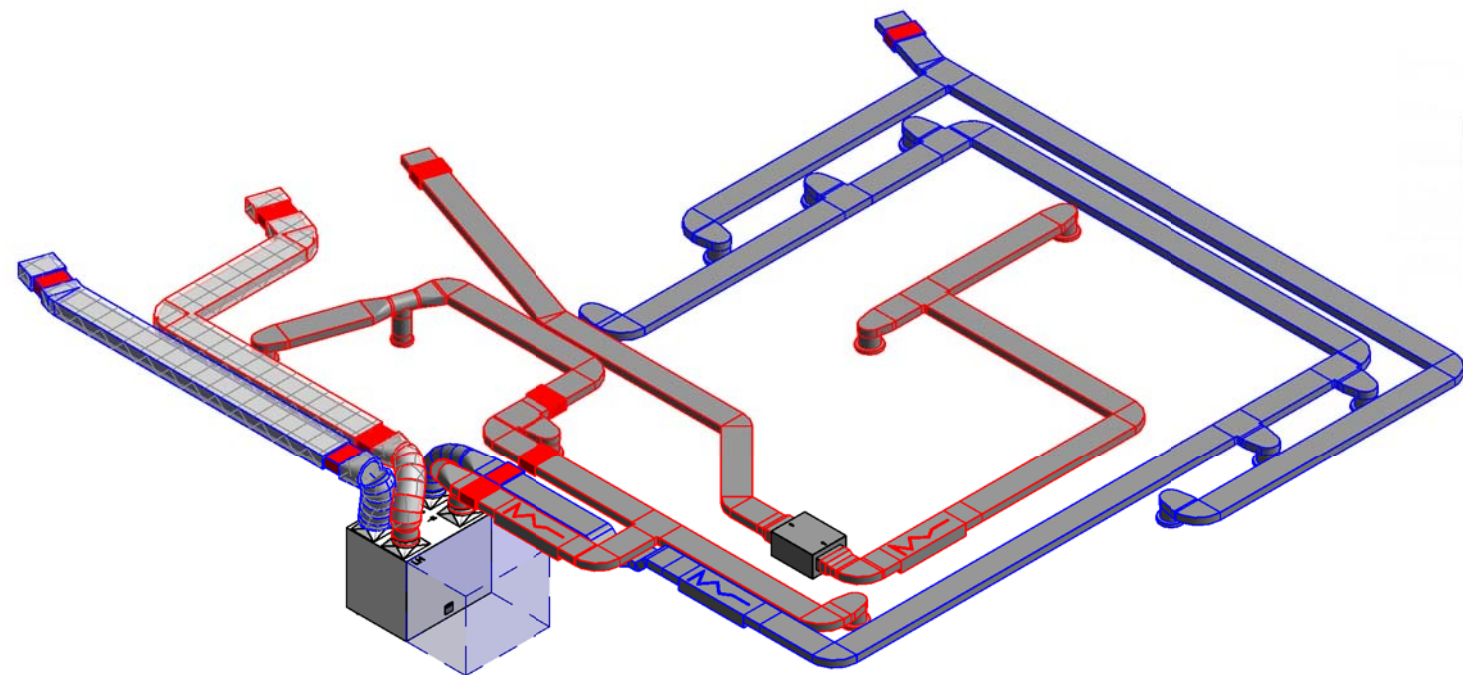


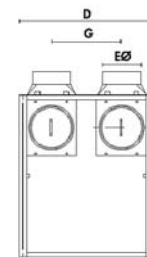
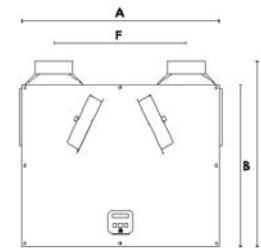


Lc-Carbon Sentinel Kinetic High Flow



Dimensions (mm)						
A	B	C	D	EØ	F	G
785	635	722	550	150	520	275

Weight: 24kg



LC-CARBON SENTINEL KINETIC HIGH FLOW COMMISSIONING TABLE (l/s)

EXTRACT	Purge	Boost	Trickle
Kitchen	47.1	24.7	22.4
Utility	29.0	15.2	13.8
Bathroom	29.0	15.2	13.8
	105.0	55.0	50.0

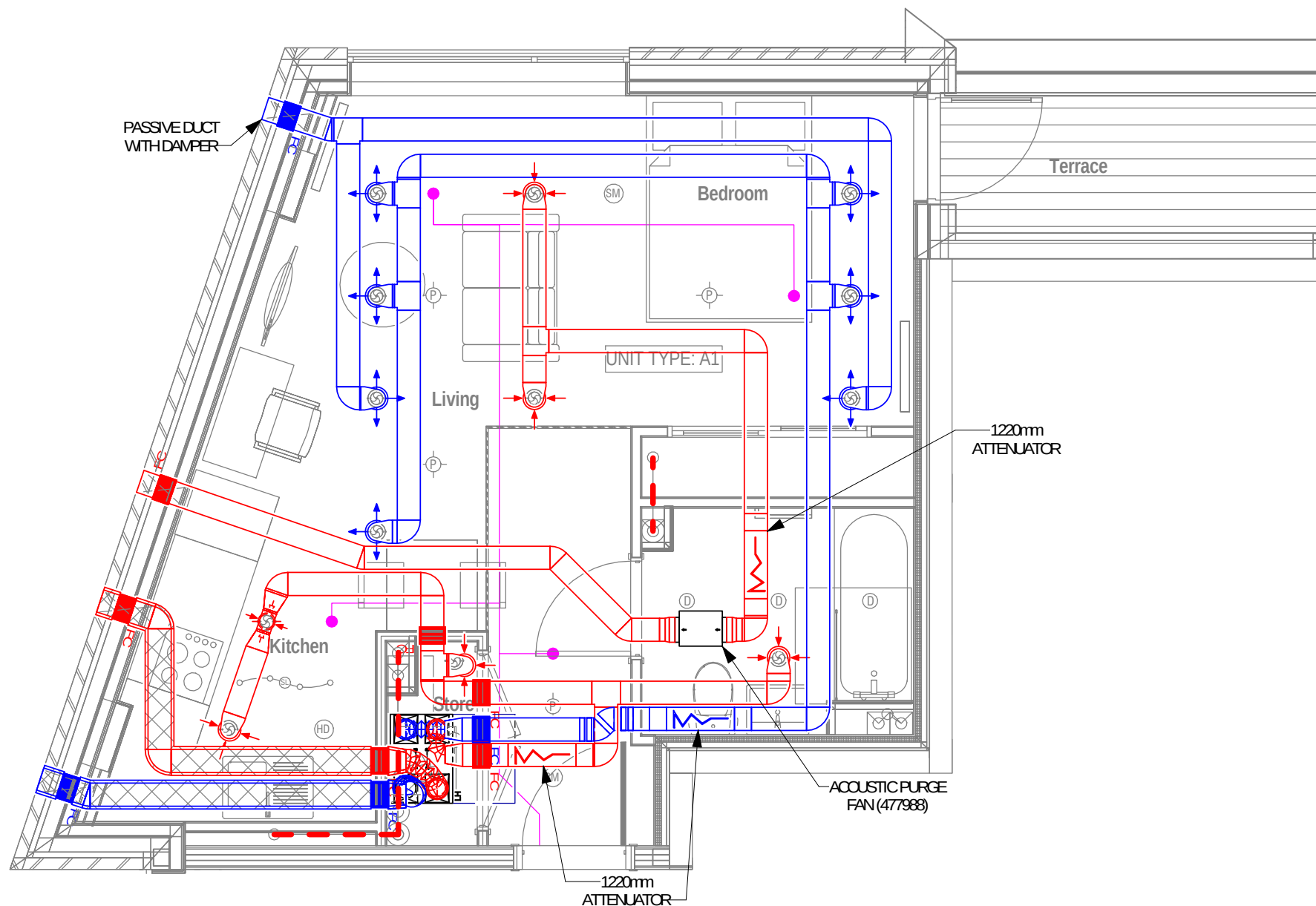
SUPPLY	Purge	Boost	Trickle
Living Area 1	21.0	11.0	10.0
Living Area 2	21.0	11.0	10.0
Dining Area	21.0	11.0	10.0
Bedroom 1	21.0	11.0	10.0
Bedroom 1	21.0	11.0	10.0
	105.0	55.0	50.0

(Flowrates to Doc F Building Regs)

PURGE FAN (477988)

EXTRACT	Required Rates (single speed only)(l/s)
Living Area	20.0
Bedroom 1	20.0

(Flowrates to Doc F Building Regs)



NOTES

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UNIT IS TO RUN AT CONTINUOUS TRICKLE WITH BOOST BEING ACTIVATED VIA A TRICKLE/ BOOST CONTROLLER AND LOCAL BOOST SWITCHES (E.G. LIGHTS) IN ALL VET ROOMS. IF SWITCHING VALUHS DOUBLE POLE SWITCHED OR RELAYS (E.G. VAA4200) WILL BE REQUIRED. LOCAL SWITCHING NOT SPECIFICALLY REQUIRED FOR INTEGRAL HUMIDISTAT UNITS.

EXHAUST AND INLET DUCTING TO AND FROM ATMOSPHERE AND ALL DUCTING IN COLD ROOM SPACE TO BE DUCTED WARMLY INSULATED RIGID PLASTIC DUCTING TO EXTERNAL TERMINATIONS (INSTALLED BY OTHERS).

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THE DESIGN ASSUMES THAT THE CEILING VOIDS ARE SUFFICIENT TO ACCOMMODATE THE DUCTING.

IF NOT USING VENT-AXIA EXTERNAL TERMINATIONS THE FREE AREA MUST BE MIN 14,000mm² FOR THE KINETIC PLUS OR THE INTEGRAL PLUS 10,080mm² FOR ANY OTHER SYSTEM AT THE TERMINAL HIGHEST POINT.

N	26.03.20	DH	Diffuser locations amended and duct changes.
M	24.03.20	DH	Duct run amended to avoid RWP, SVP and sprinkler pipe work.
L	11.03.20	JG	Revised comments dated 06.03.20.
K	18.02.20	DH	Purge flats added.
J	26.07.19	DH	Type A4 duct runs amended.
H	24.07.19	DH	Duct runs amended.
G	17.07.19	DH	New layouts used.
F	20.05.19	DH	New Layouts used and duct runs amended.
E	12.11.18	DH	Ventilation designs changed in order to avoid SVP and other pipe work.
D	05.07.18	DH	Updated designs to avoid radiator piping.
C	28.06.18	DH	Updated units A1, A2, A3, A4, A7, B5, B6 & B7
B	26.04.18	DH	Unit Type B6 (Purge) added.
A	29.03.18	DH	Updated layouts and designs.
Rev	Date	By	Description

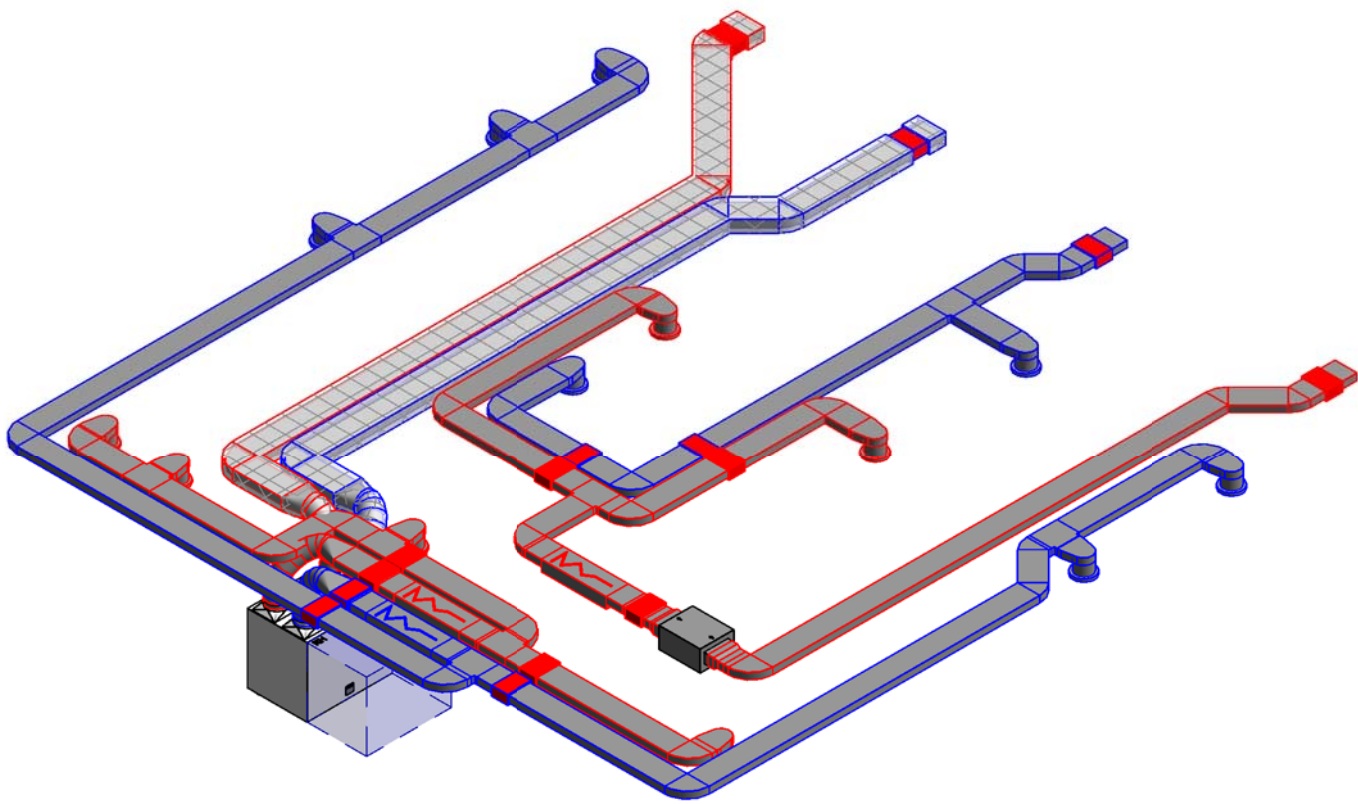
Vent-Axia
New Build Residential

Fleming Way, Crawley West
Sussex
Tel: +44(0)1293 441520
Fax: +44 (0)1293 539209

Project
The Old Vinyl Factory
Drawing
Unit Type A1 - Purge

Date 17.02.20 Scale 1:50 @A3 Design DH

Drawing No. CAS 11164 _01	Rev N
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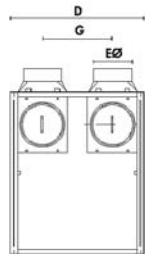
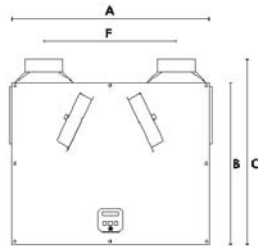


Lc-Carbon Sentinel Kinetic High Flow



Dimensions (mm)						
A	B	C	D	EØ	F	G
785	635	722	550	150	520	275

Weight: 24kg



LC-CARBON SENTINEL KINETIC HIGH FLOW
COMMISSIONING TABLE (l/s)

EXTRACT	Purge	Boost	Trickle
Kitchen	47.1	24.7	22.4
Utility	29.0	15.2	13.8
Bathroom	29.0	15.2	13.8
	105.0	55.0	50.0

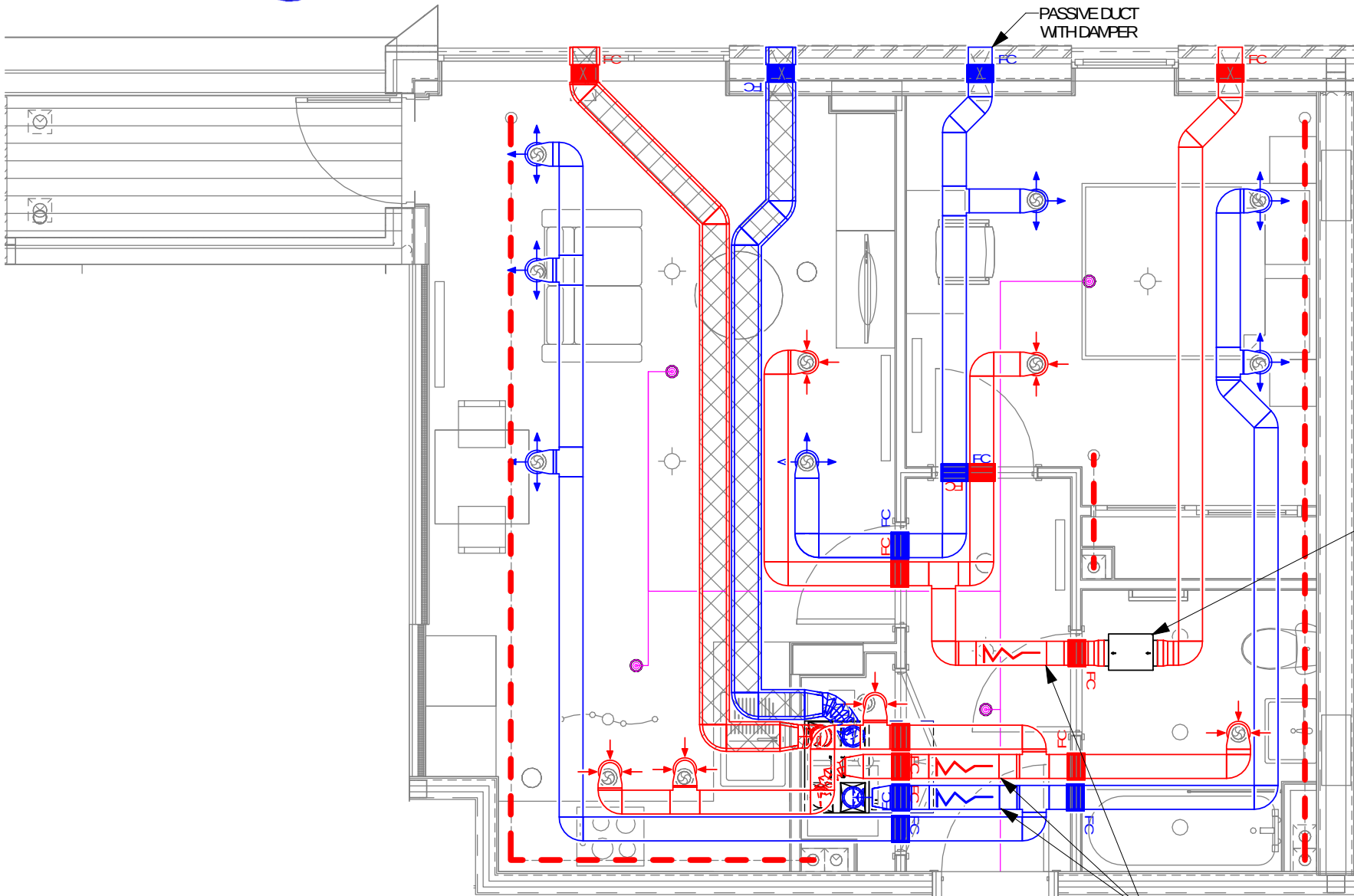
SUPPLY	Purge	Boost	Trickle
Living Area 1	21.0	11.0	10.0
Living Area 2	21.0	11.0	10.0
Dining Area	21.0	11.0	10.0
Bedroom 1	21.0	11.0	10.0
Bedroom 1	21.0	11.0	10.0
	105.0	55.0	50.0

(Flowrates to Doc F Building Regs)

PURGE FAN (477988)

EXTRACT	Required Rates (single speed only)(l/s)
Living Area	20.0
Bedroom 1	20.0

(Flowrates to Doc F Building Regs)



1220mm
ATTENUATOR

NOTES

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IF NOT USING VENT-AXIA EXTERNAL TERMINATIONS THE FREE AREA MUST BE MIN 34,000mm² FOR THE KINETIC PLUS OR THE INTEGRAL PLUS, 30,000mm² FOR ANY OTHER SYSTEM AT THE TERMINAL HIGHEST POINT.

N	26.03.20	DH	Diffuser locations amended and duct changes.
M	24.03.20	DH	Duct run amended to avoid RWP, SVP and sprinkler pipe work.
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B	26.04.18	DH	Unit Type B6 (Purge) added.
A	29.03.18	DH	Updated layouts and designs.
Rev	Date	By	Description

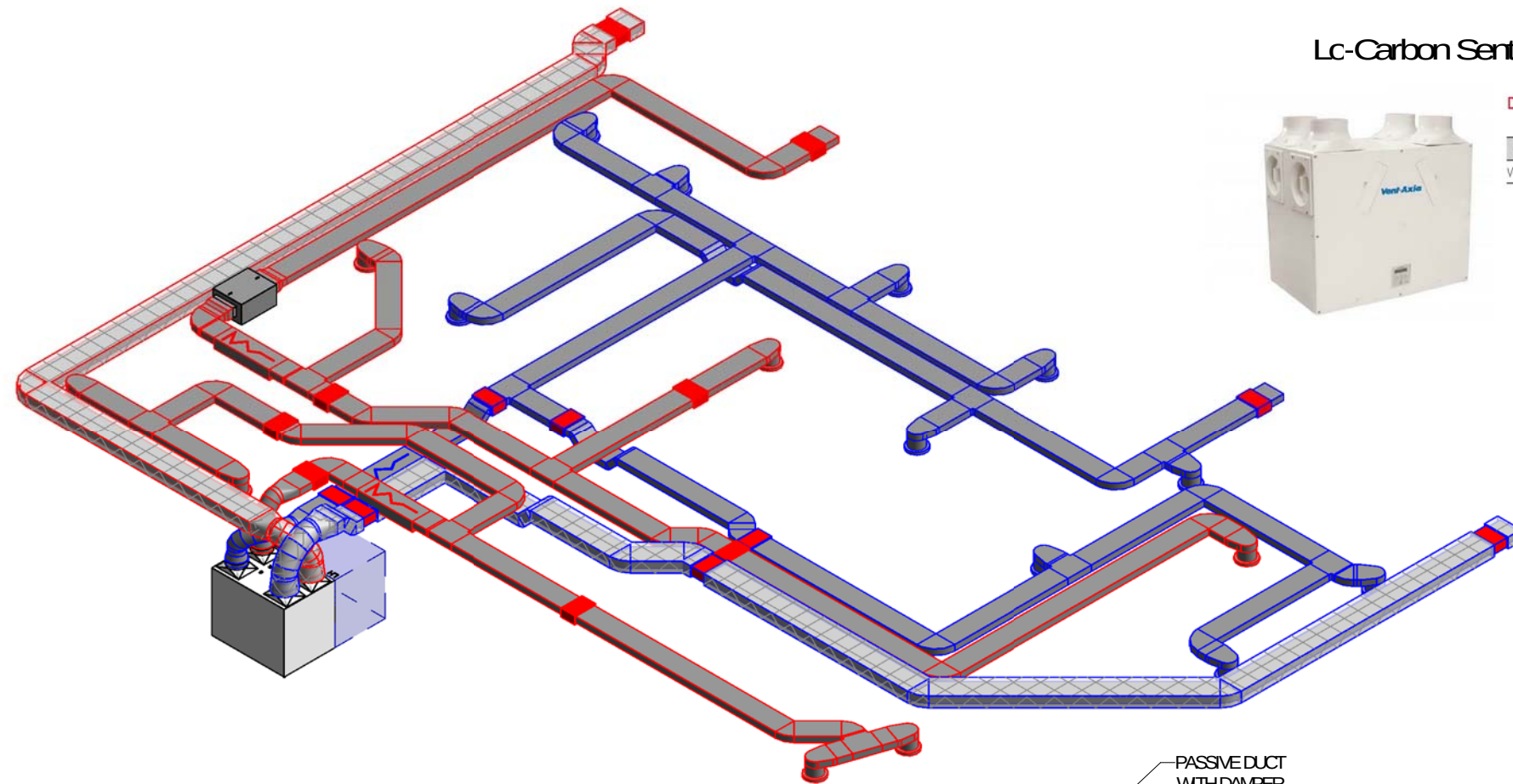
Vent-Axia
New Build Residential

Fleming Way, Crawley West
Sussex
Tel. +44(0)1293 441520
Fax. +44 (0)1293 539209

Project
The Old Vinyl Factory
Drawing
Unit Type A2 - Purge

Date Scale Design
17.02.20 1:50 @A3 DH

Drawing No. CAS 11164 _02	Rev N
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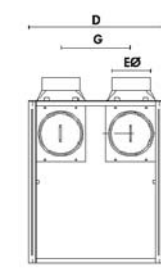
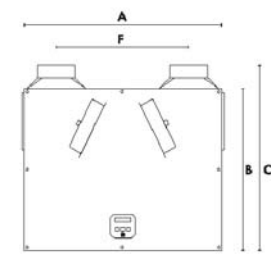
Lc-Carbon Sentinel Kinetic High Flow



Dimensions (mm)

A	B	C	D	EØ	F	G
785	635	722	550	150	520	275

Weight: 24kg



LC-CARBON SENTINEL KINETIC HIGH FLOW COMMISSIONING TABLE (l/s)

EXTRACT	Purge	Boost	Trickle
Kitchen	47.1	24.7	22.4
Utility	29.0	15.2	13.8
Bathroom	29.0	15.2	13.8
	105.0	55.0	50.0

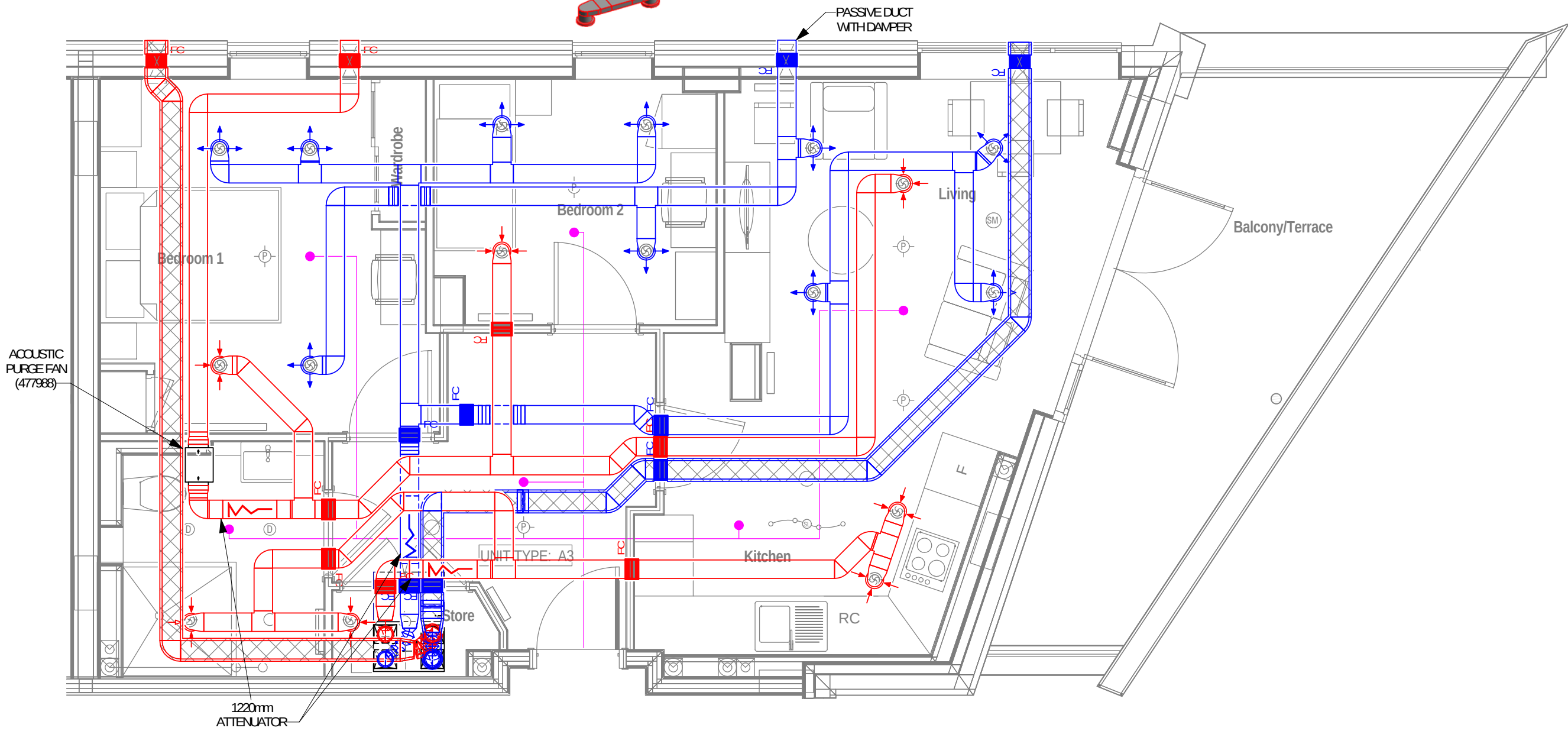
SUPPLY	Purge	Boost	Trickle
Living Area 1	15.0	7.9	7.1
Living Area 2	15.0	7.9	7.1
Dining Area	15.0	7.9	7.1
Bedroom 1	15.0	7.9	7.1
Bedroom 1	15.0	7.9	7.1
Bedroom 2	15.0	7.9	7.1
Bedroom 2	15.0	7.9	7.1
	105.0	55.0	50.0

(Flowrates to Doc F Building Regs)

PURGE FAN (477988)

EXTRACT	Required Rates (single speed only (l/s))
Living Area	13.3
Bedroom 1	13.3
Bedroom 2	13.3

(Flowrates to Doc F Building Regs)



ACOUSTIC PURGE FAN (477988)

PASSIVE DUCT WITH DAMPER

Balcony/Terrace

1220mm ATTENUATOR

*DRAWING ONLY TO BE USED FOR THE PURPOSE OF VENTILATION INSTALLATION

NOTES

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M	24.03.20	DH	Duct run amended to avoid RWP, SVP and sprinkler pipe work.
L	11.03.20	JG	Revised comments dated 06.03.20.
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J	26.07.19	DH	Type A4 duct runs amended.
H	24.07.19	DH	Duct runs amended.
G	17.07.19	DH	New layouts used.
F	20.05.19	DH	New Layouts used and duct runs amended.
E	12.11.18	DH	Ventilation designs changed in order to avoid SVP and other pipe work.
D	05.07.18	DH	Updated designs to avoid radiator piping.
C	28.06.18	DH	Updated units A1, A2, A3, A4, A7, B5, B6 & B7
B	26.04.18	DH	Unit Type B6 (Purge) added.
A	29.03.18	DH	Updated layouts and designs.
Rev	Date	By	Description

Vent-Axia
New Build Residential

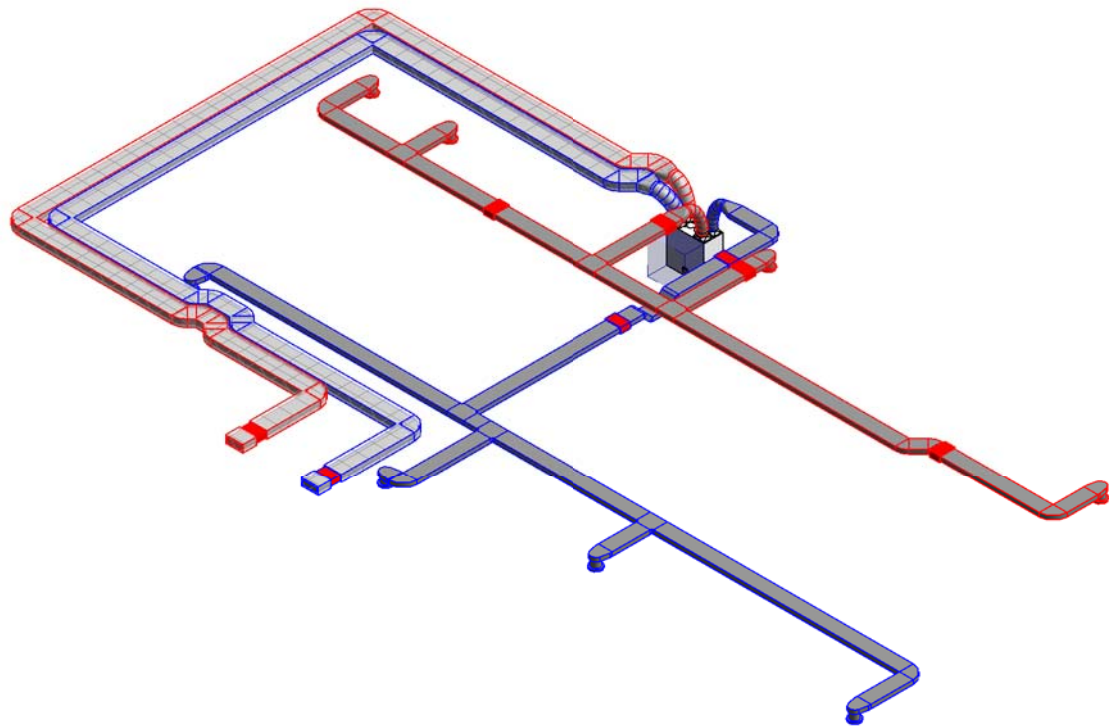
Flerning Way, Crawley West
Sussex
Tel: +44(0)1293 441520
Fax: +44 (0)1293 539209

Project
The Old Vinyl Factory

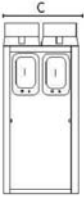
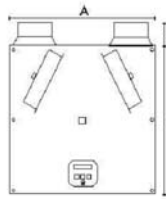
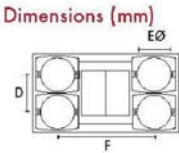
Drawing
Unit Type A3 - Purge

Date 17.02.20 Scale 1:50 @A3 Design DH

Drawing No. CAS 11164 _03	Rev N
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Lc-Carbon Sentinel Kinetic BH



A	B	C	D	EØ	F	G
550	550	285	140	125	360	90

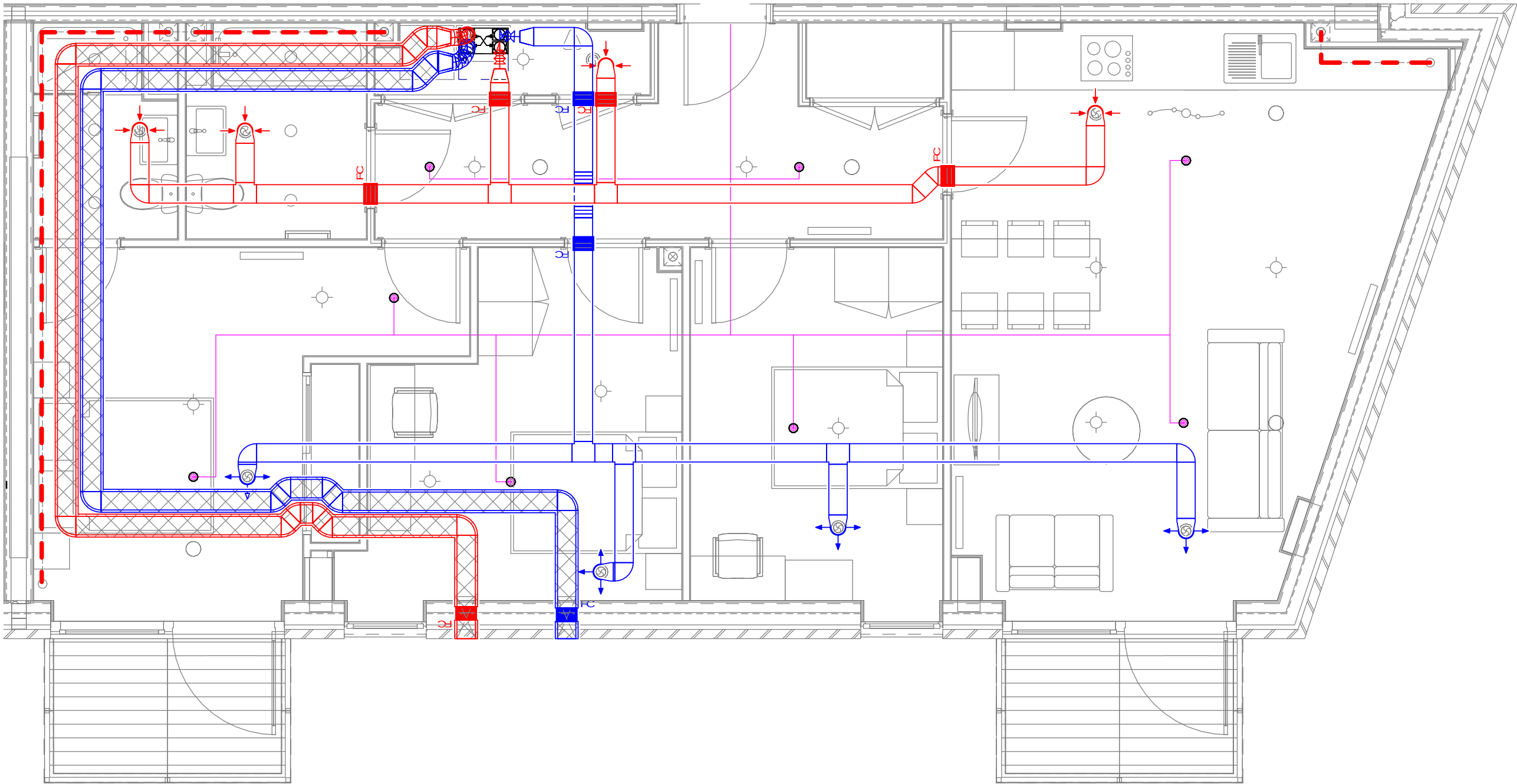
Weight 15kg

LC-CARBON SENTINEL KINETIC BH
COMMISSIONING TABLE (l/s)

EXTRACT	Boost	Trickle
Kitchen	13.0	9.7
Utility	8.0	6.0
Bathroom	8.0	6.0
En-Suite 1	8.0	6.0
	37.0	27.6

SUPPLY	Boost *	Trickle
Living Area	5.5	4.1
Dining Room	5.4	4.0
Bedroom 1	9.8	7.3
Bedroom 2	8.8	6.6
Bedroom 3	7.4	5.5
	37.0	27.6

(Flowrates to Doc F Building Regs)



NOTES

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G	17.07.19	DH	New layouts used.
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E	12.11.18	DH	Ventilation designs changed in order to avoid SVP and other pipe work.
D	05.07.18	DH	Updated designs to avoid radiator piping.
C	28.06.18	DH	Updated units A1, A2, A3, A4, A7, B5, B6 & B7
B	26.04.18	DH	Unit Type B6 (Purge) added.
A	29.03.18	DH	Updated layouts and designs.
Rev	Date	By	Description

Vent-Axia
New Build Residential

Fleming Way, Crawley West
Sussex
Tel. +44(0)1293 441520
Fax. +44 (0)1293 539209

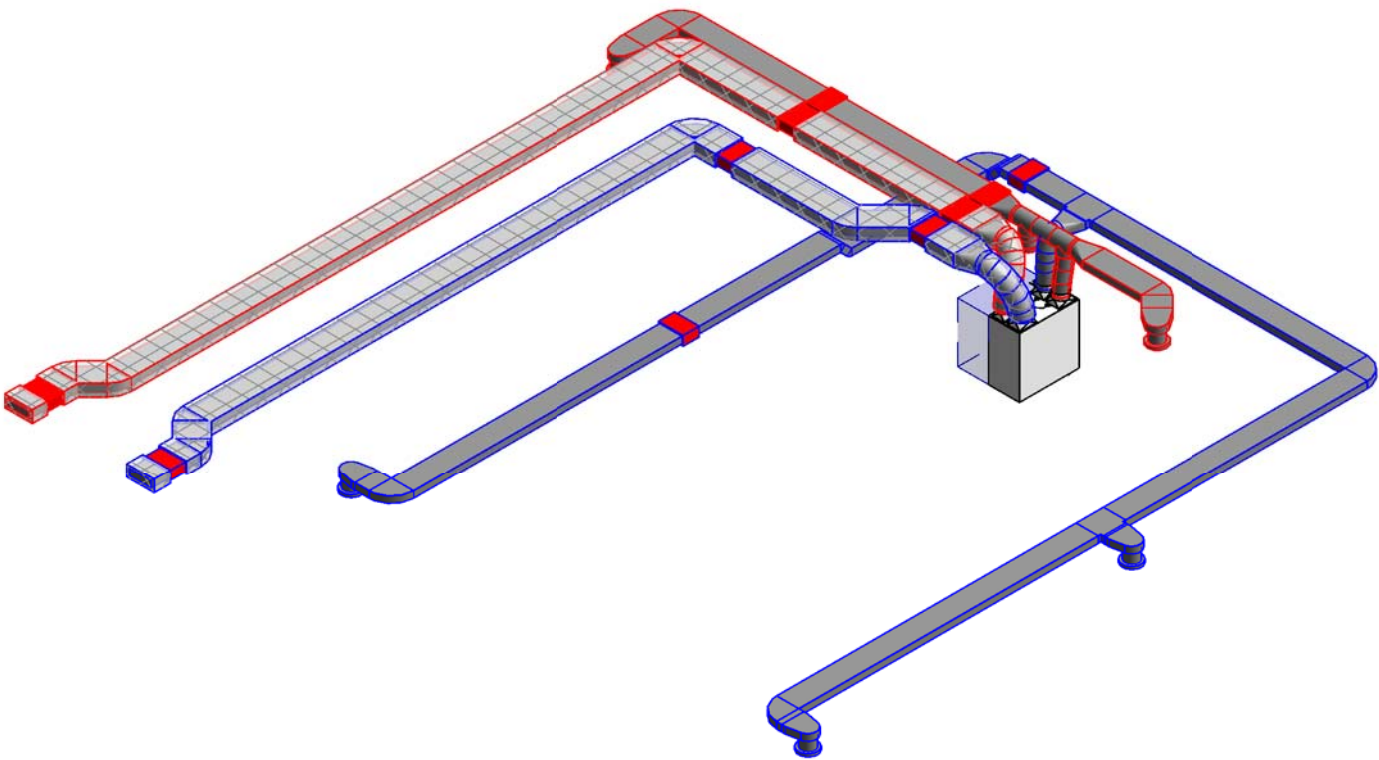
Project
The Old Vinyl Factory
Drawing
Unit Type A4

Date
17.02.20

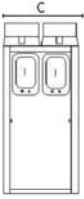
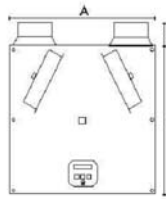
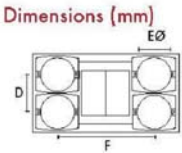
Scale
1:50 @A3

Design
DH

Drawing No. CAS 11164 _04	Rev N
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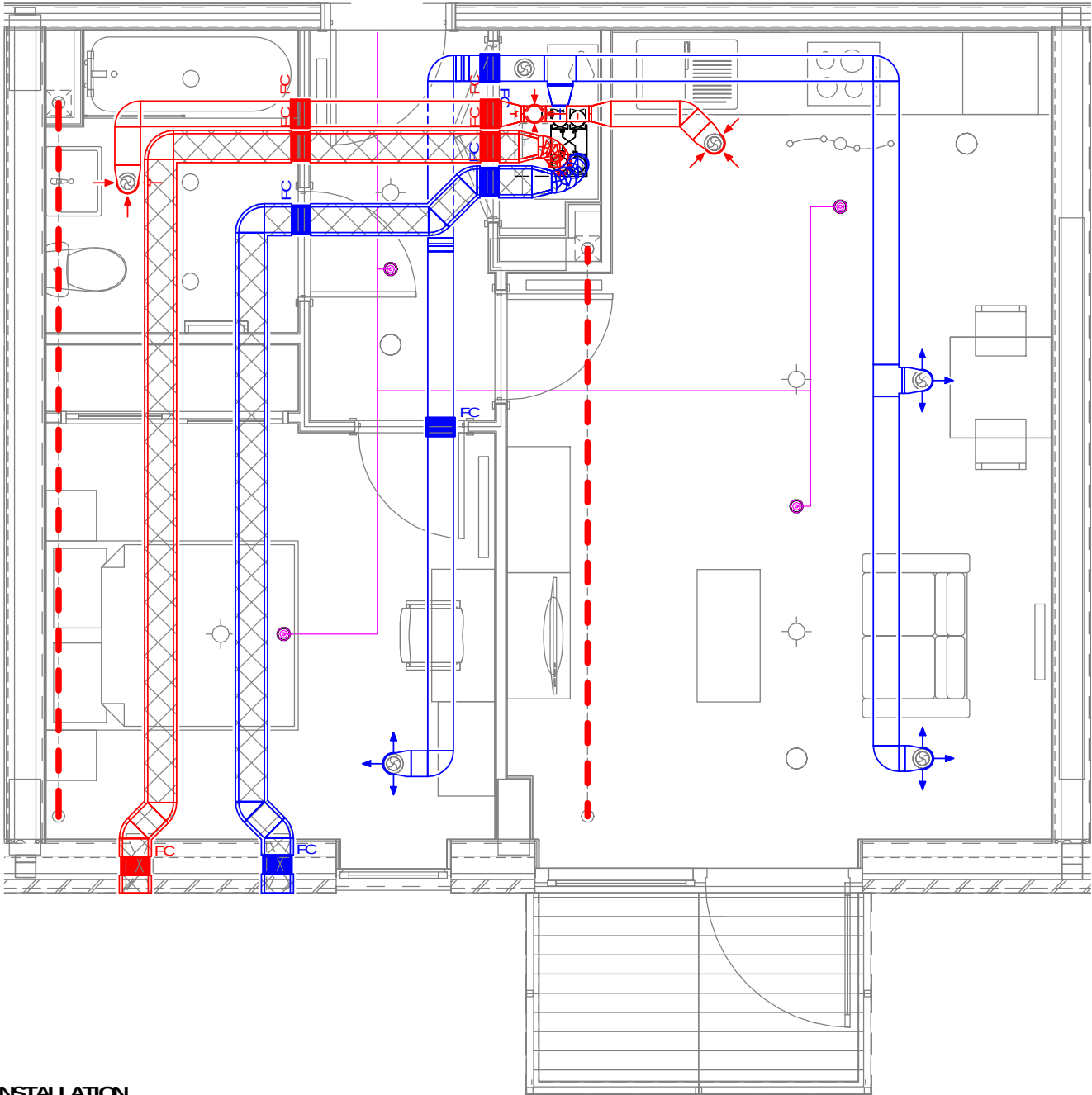


Lc-Carbon Sentinel Kinetic BH



A	B	C	D	EØ	F	G
550	550	285	140	125	360	90

Weight 15kg



LC-CARBON SENTINEL KINETIC BH
COMMISSIONING TABLE (l/s)

EXTRACT	Boost	Trickle
Kitchen	13.0	6.4
Utility	8.0	3.9
Bathroom	8.0	3.9
	29.0	14.3
SUPPLY	Boost*	Trickle
Living Area	7.0	3.4
Dining Room	8.6	4.2
Bedroom 1	13.4	6.6
	29.0	14.3

(Flowrates to Doc F Building Regs)

NOTES

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N	26.03.20	DH	Diffuser locations amended and duct changes.
M	24.03.20	DH	Duct run amended to avoid RWP, SVP and sprinkler pipe work.
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G	17.07.19	DH	New layouts used.
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C	28.06.18	DH	Updated units A1, A2, A3, A4, A7, B5, B6 & B7
B	26.04.18	DH	Unit Type B6 (Purge) added.
A	29.03.18	DH	Updated layouts and designs.
Rev	Date	By	Description

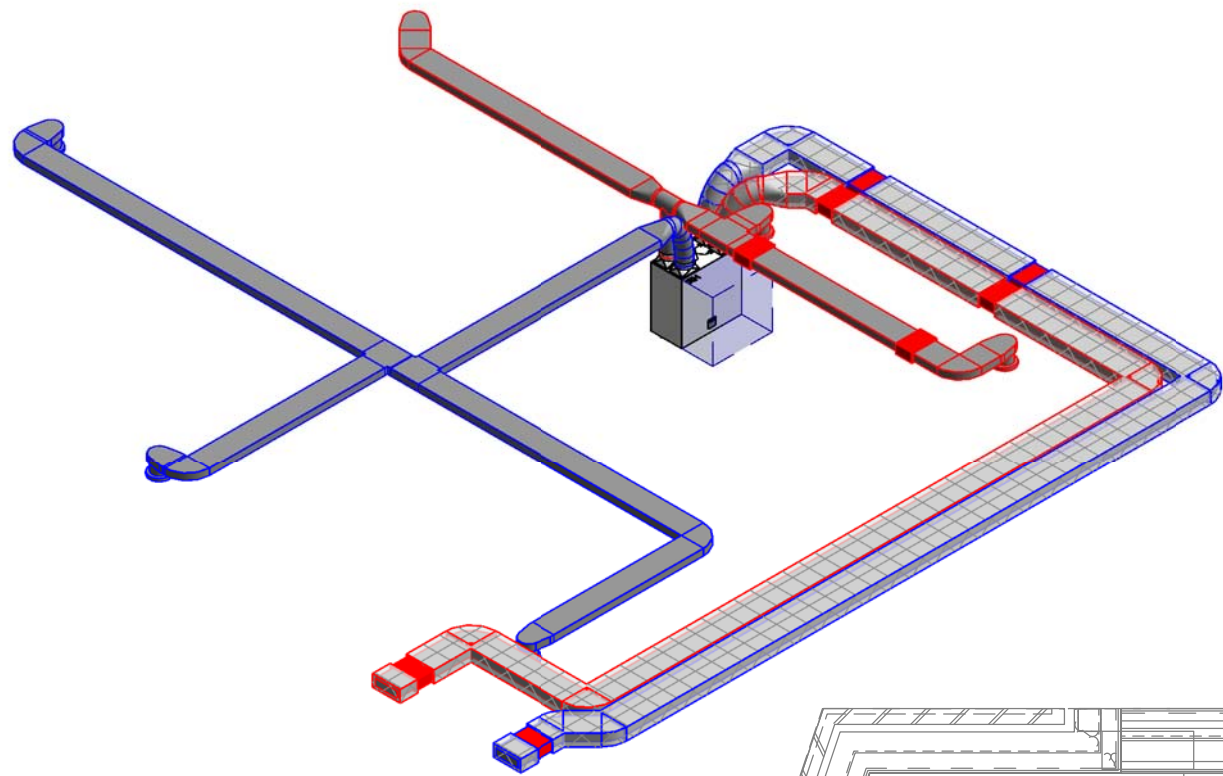
Vent-Axia
New Build Residential

Fleming Way, Crawley West
Sussex
Tel. +44(0)1293 441520
Fax. +44 (0)1293 539209

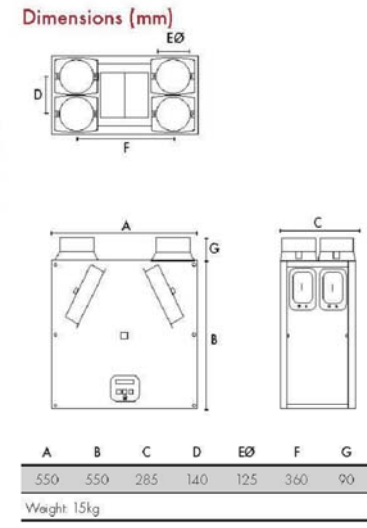
Project
The Old Vinyl Factory
Drawing
Unit Type A5

Date Scale Design
17.02.20 1:50 @A3 DH

Drawing No. CAS 11164 _05	Rev N
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Lc-Carbon Sentinel Kinetic BH

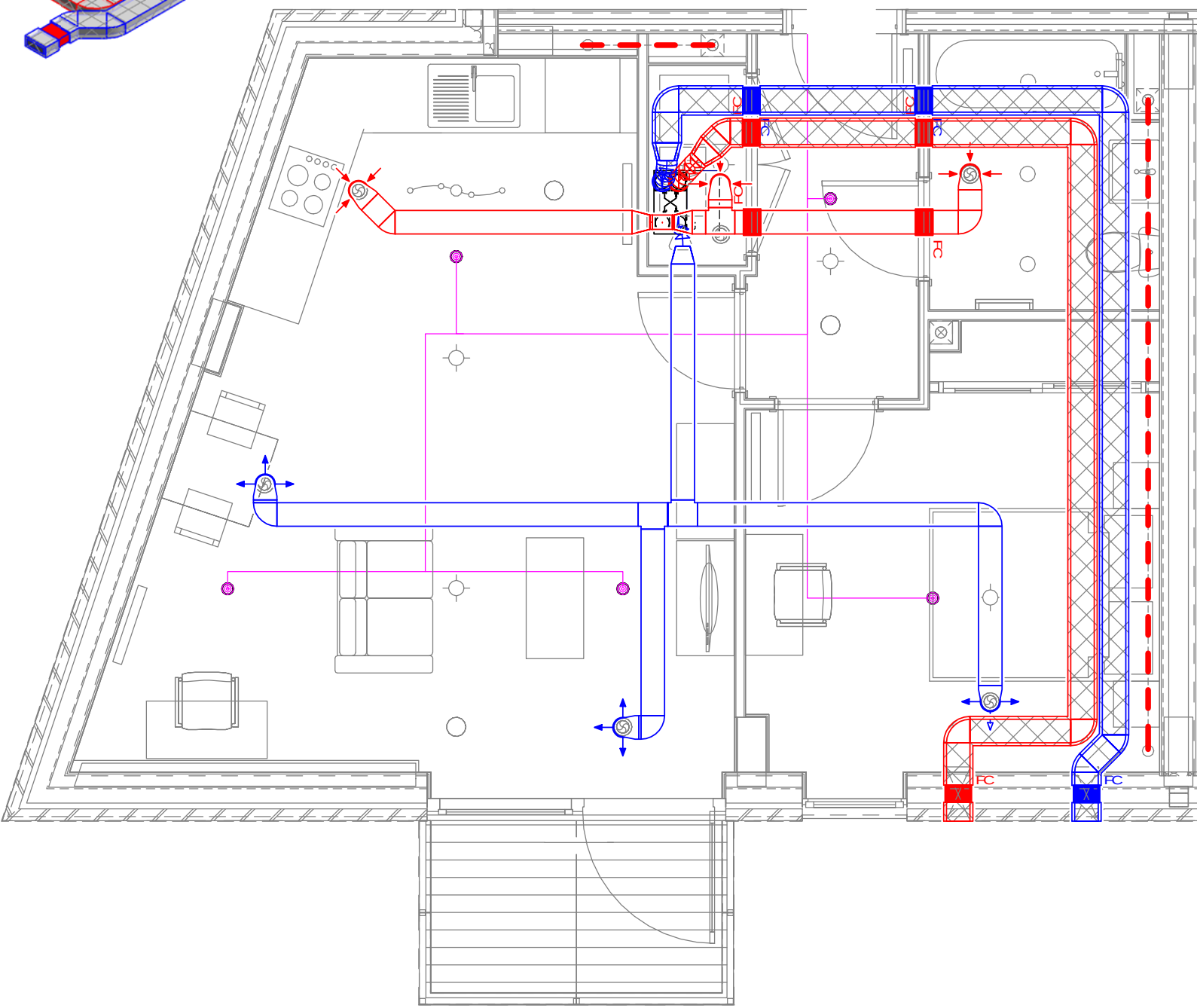


LC-CARBON SENTINEL KINETIC BH COMMISSIONING TABLE (l/s)

EXTRACT	Boost	Trickle
Kitchen	13.0	6.8
Utility	8.0	4.2
Bathroom	8.0	4.2
	29.0	15.1

SUPPLY	Boost*	Trickle
Living Area	9.5	4.9
Dining Room	9.1	4.7
Bedroom 1	10.5	5.4
	29.0	15.1

(Flowrates to Doc F Building Regs)



NOTES

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Rev	Date	By	Description

Vent-Axia
New Build Residential

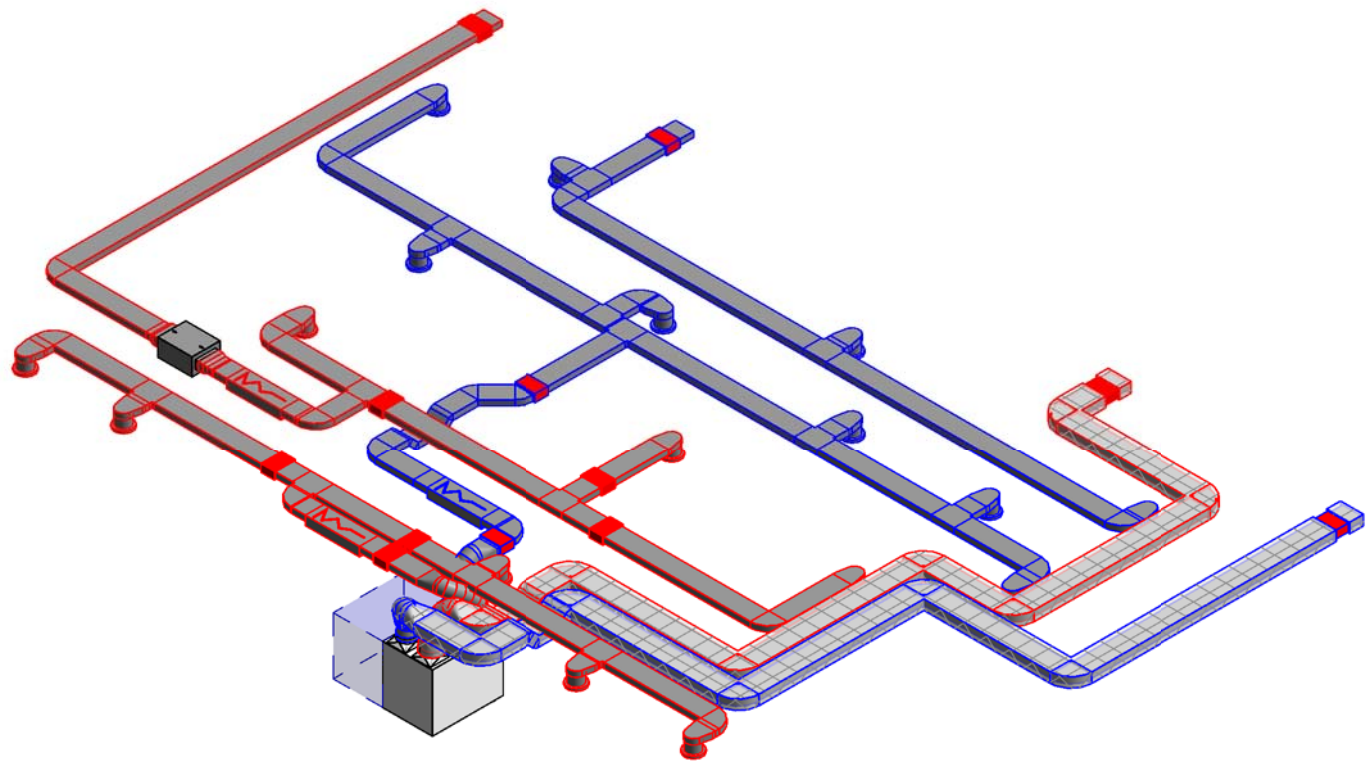
Fleming Way, Crawley West
Sussex
Tel: +44(0)1293 441520
Fax: +44 (0)1293 539209

Project
The Old Vinyl Factory

Drawing
Unit Type A6

Date 17.02.20 Scale 1:50 @A3 Design DH

Drawing No. CAS 11164 _06	Rev N
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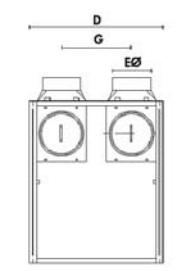
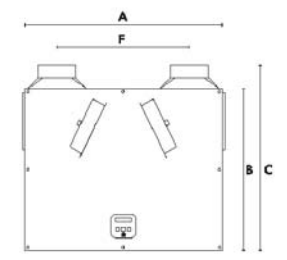
Lc-Carbon Sentinel Kinetic High Flow



Dimensions (mm)

A	B	C	D	EØ	F	G
785	635	722	550	150	520	275

Weight: 24kg



LC-CARBON SENTINEL KINETIC HIGH FLOW COMMISSIONING TABLE (l/s)

EXTRACT	Purge	Boost	Trickle
Kitchen	36.9	19.3	17.6
Utility	22.7	11.9	10.8
Bathroom	22.7	11.9	10.8
En-Suite 1	22.7	11.9	10.8
	105.0	55.0	50.0

SUPPLY	Purge	Boost	Trickle
Living Area 1	15.0	7.9	7.1
Living Area 2	15.0	7.9	7.1
Dining Area	15.0	7.9	7.1
Bedroom 1	15.0	7.9	7.1
Bedroom 1	15.0	7.9	7.1
Bedroom 2	15.0	7.9	7.1
Bedroom 2	15.0	7.9	7.1
	105.0	55.0	50.0

(Flowrates to Doc F Building Regs)

PURGE FAN (477988)

EXTRACT	Required Rates (single speed only)(l/s)
Living Area	13.3
Bedroom 1	13.3
Bedroom 2	13.3

(Flowrates to Doc F Building Regs)

NOTES

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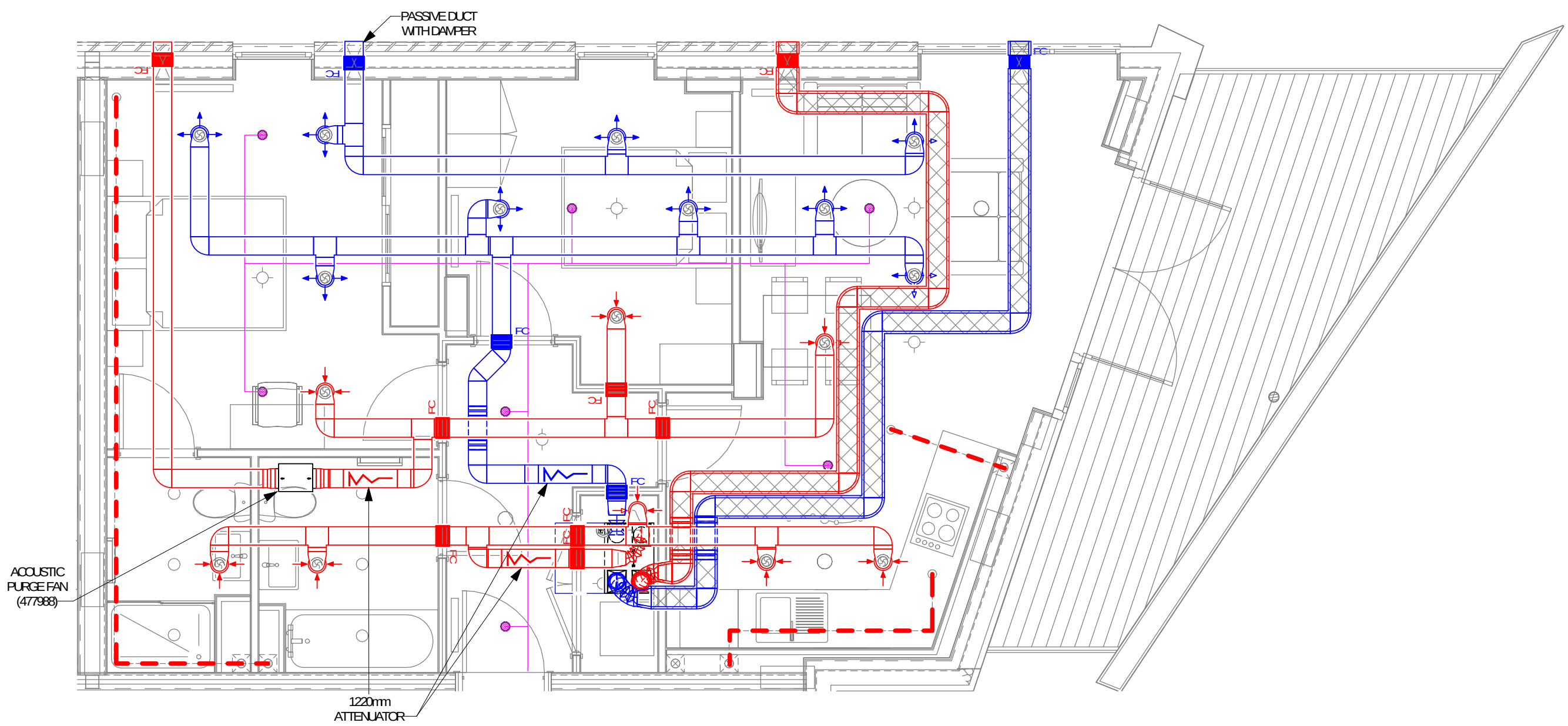
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A	29.03.18	DH	Updated layouts and designs.
Rev	Date	By	Description

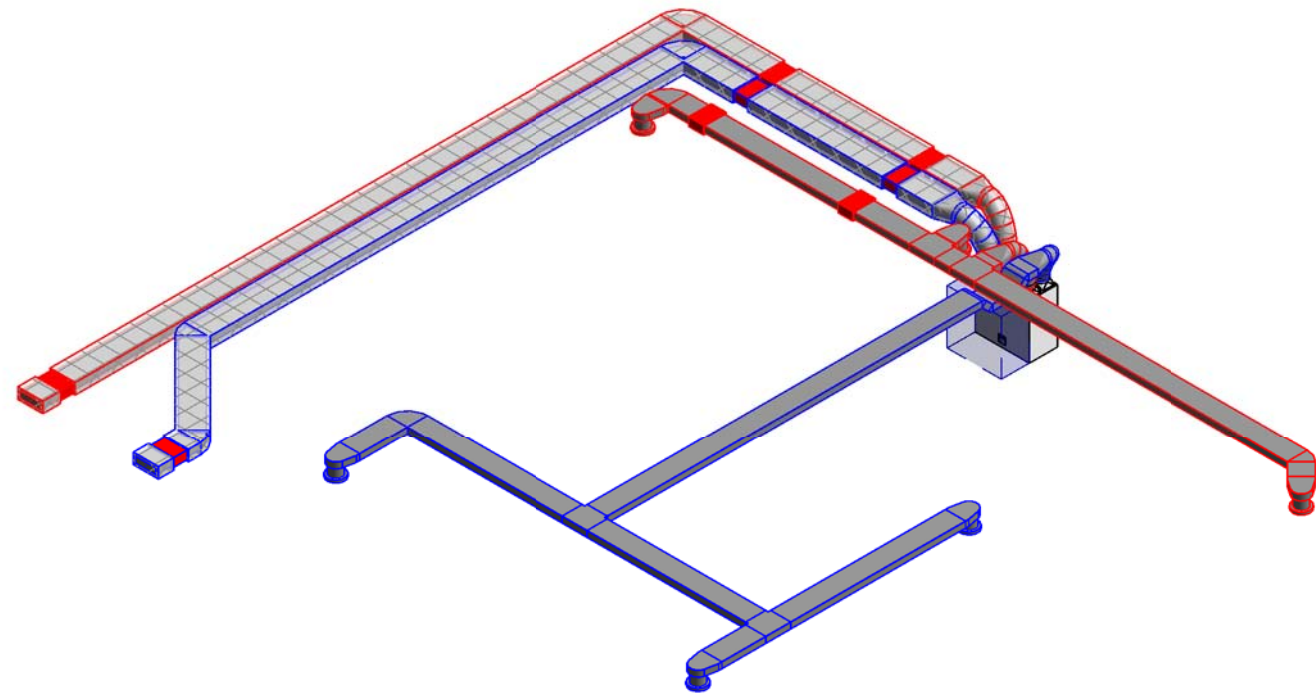
Vent-Axia
New Build Residential

Fleming Way, Crawley West
Sussex
Tel. +44(0)1293 441520
Fax. +44 (0)1293 539209

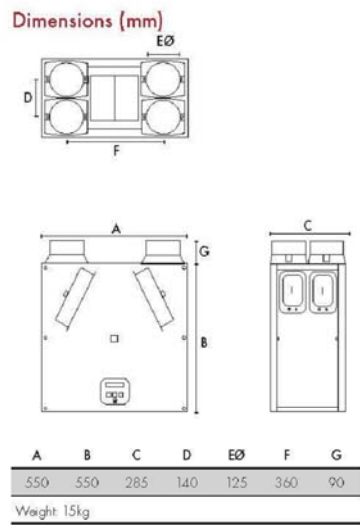
Project	The Old Vinyl Factory		
Drawing	Unit Type A7 - Purge		
Date	Scale	Design	
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Drawing No.	CAS 11164 _07	Rev	N



*DRAWING ONLY TO BE USED FOR THE PURPOSE OF VENTILATION INSTALLATION



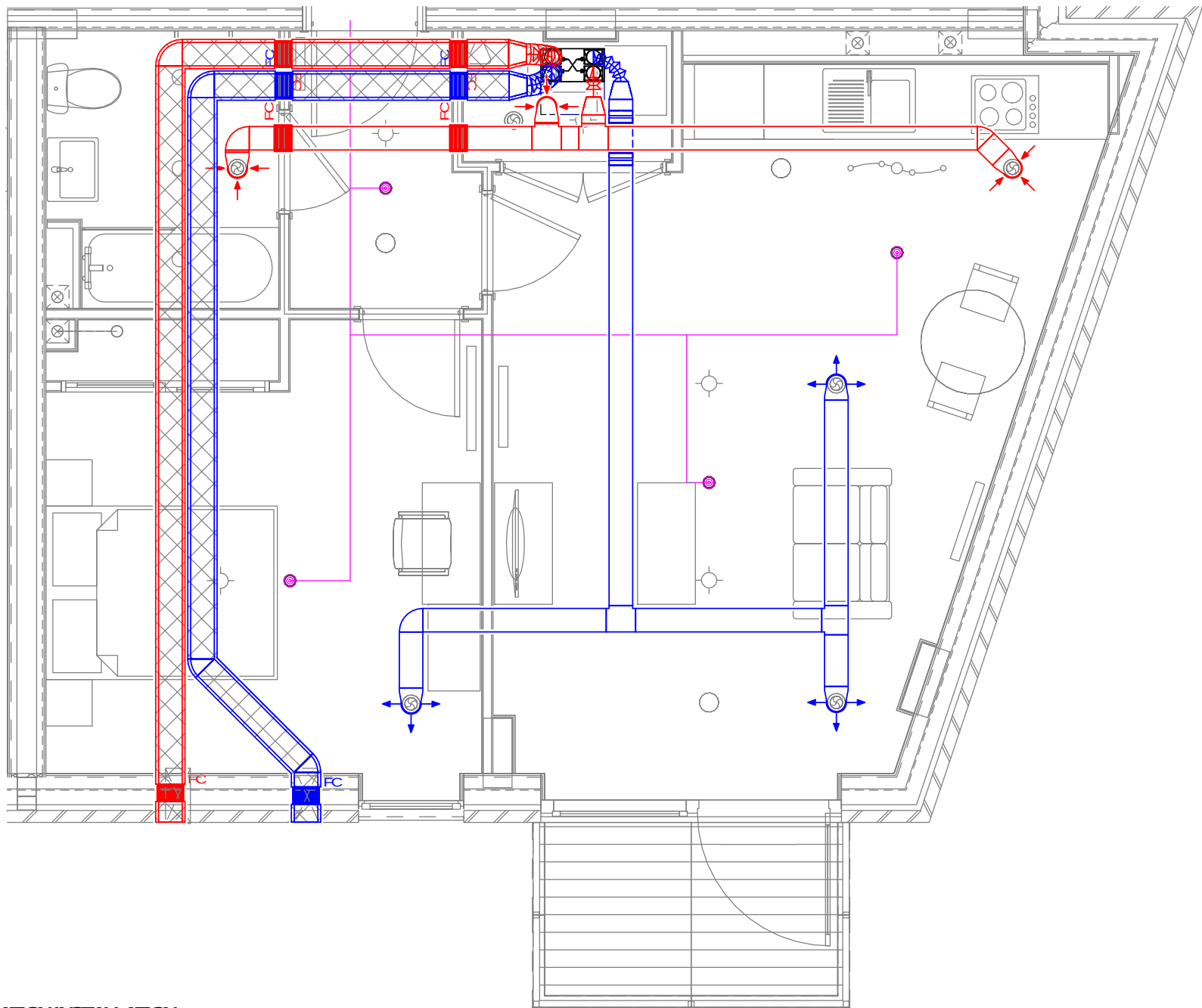
Lc-Carbon Sentinel Kinetic BH



LC-CARBON SENTINEL KINETIC BH
COMMISSIONING TABLE (l/s)

EXTRACT	Boost	Trickle
Kitchen	13.0	6.7
Utility	8.0	4.1
Bathroom	8.0	4.1
	29.0	15.0
SUPPLY	Boost*	Trickle
Living Area	9.4	4.9
Dining Room	7.1	3.7
Bedroom 1	12.5	6.5
	29.0	15.0

(Flowrates to Doc F Building Regs)



NOTES

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B	26.04.18	DH	Unit Type B6 (Purge) added.
A	29.03.18	DH	Updated layouts and designs.
Rev	Date	By	Description

Vent-Axia
New Build Residential

Fleming Way, Crawley West
Sussex
Tel. +44(0)1293 441520
Fax. +44 (0)1293 539209

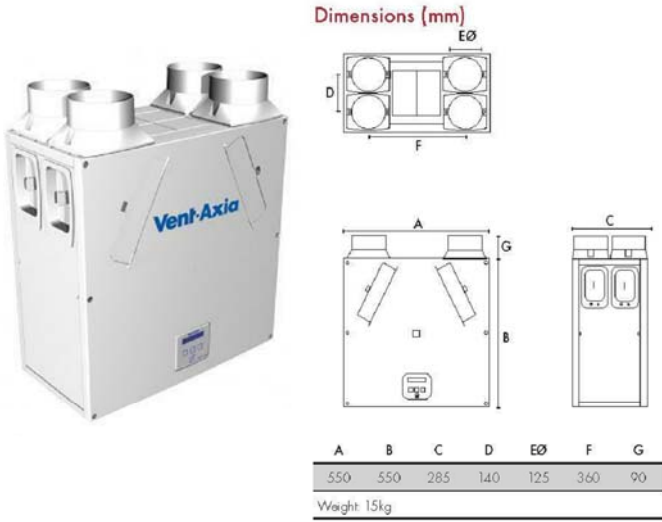
Project
The Old Vinyl Factory
Drawing
Unit Type A8

Date 17.02.20 Scale 1:50 @A3 Design DH

Drawing No. CAS 11164 _08	Rev N
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*DRAWING ONLY TO BE USED FOR THE PURPOSE OF VENTILATION INSTALLATION

Lc-Carbon Sentinel Kinetic BH



LC-CARBON SENTINEL KINETIC BH
COMMISSIONING TABLE (l/s)

EXTRACT	Boost	Trickle
Kitchen	13.0	5.8
Utility	8.0	3.6
Bathroom	8.0	3.6
	29.0	13.0
SUPPLY	Boost*	Trickle
Living Area	8.5	3.8
Dining Room	7.9	3.5
Bedroom 1	12.6	5.7
	29.0	13.0

(Flowrates to Doc F Building Regs)

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Rev	Date	By	Description

Vent-Axia
New Build Residential

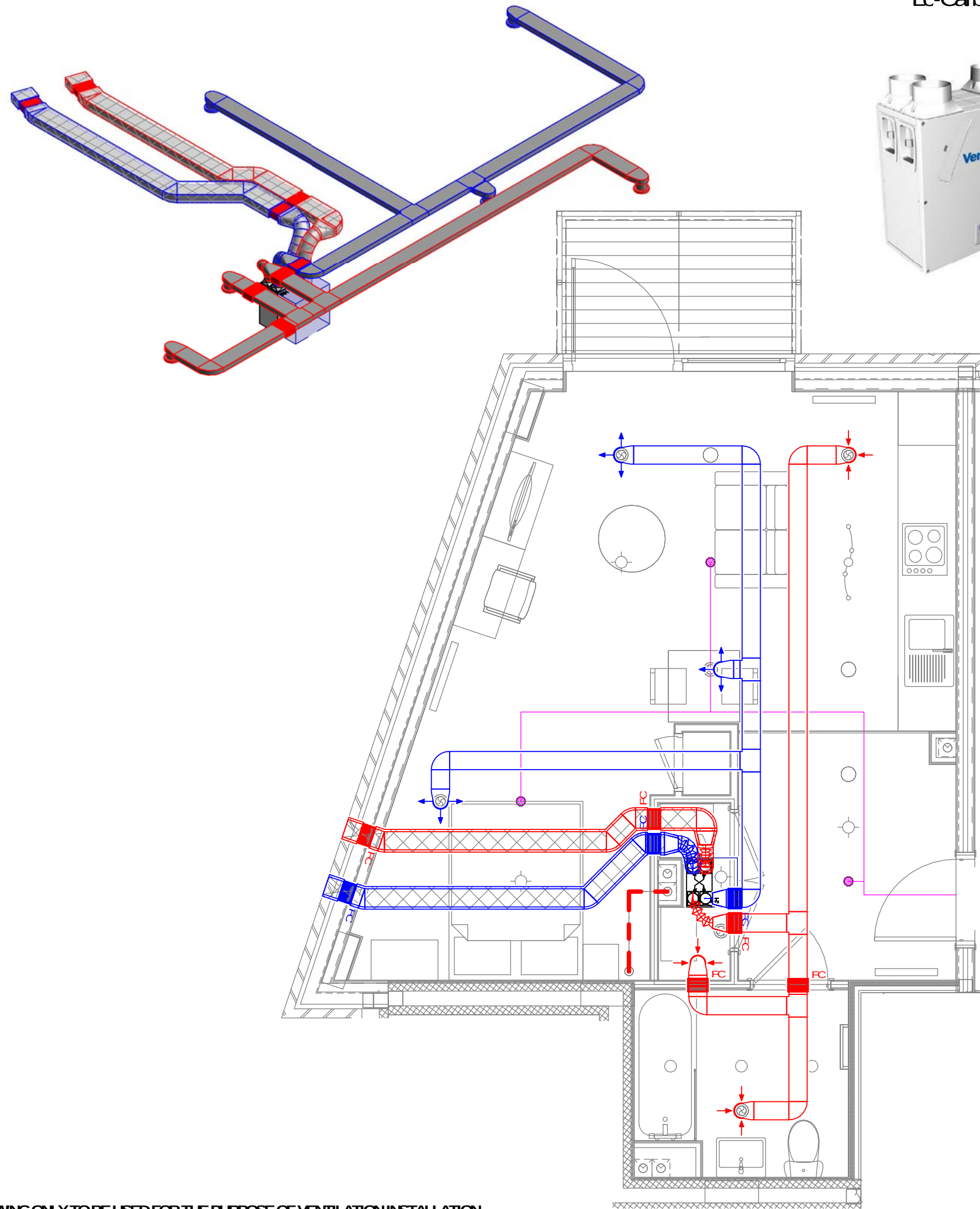
Fleming Way, Crawley West
Sussex
Tel. +44(0)1293 441520
Fax. +44 (0)1293 539209

Project
The Old Vinyl Factory

Drawing
Unit Type A9

Date 17.02.20 Scale 1:50 @A3 Design DH

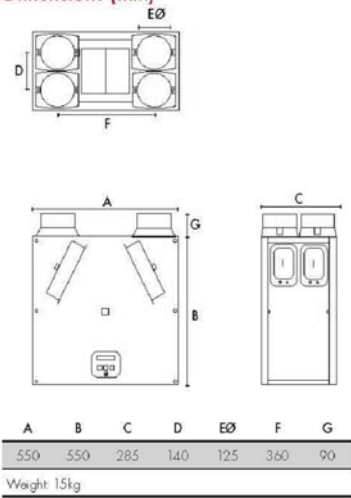
Drawing No. CAS 11164 _09	Rev N
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Lc-Carbon Sentinel Kinetic BH



Dimensions (mm)



LC-CARBON SENTINEL KINETIC BH
COMMISSIONING TABLE (l/s)

EXTRACT	Boost	Trickle
	13.0	5.8
Kitchen	8.0	3.6
Utility	8.0	3.6
Bathroom	29.0	13.0
SUPPLY	Boost*	Trickle
	11.3	5.1
Living Area	8.5	3.8
Dining Room	9.2	4.1
Bedroom 1	29.0	13.0

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Rev	Date	By	Description

Vent-Axia
New Build Residential

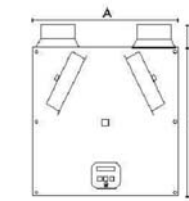
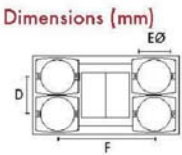
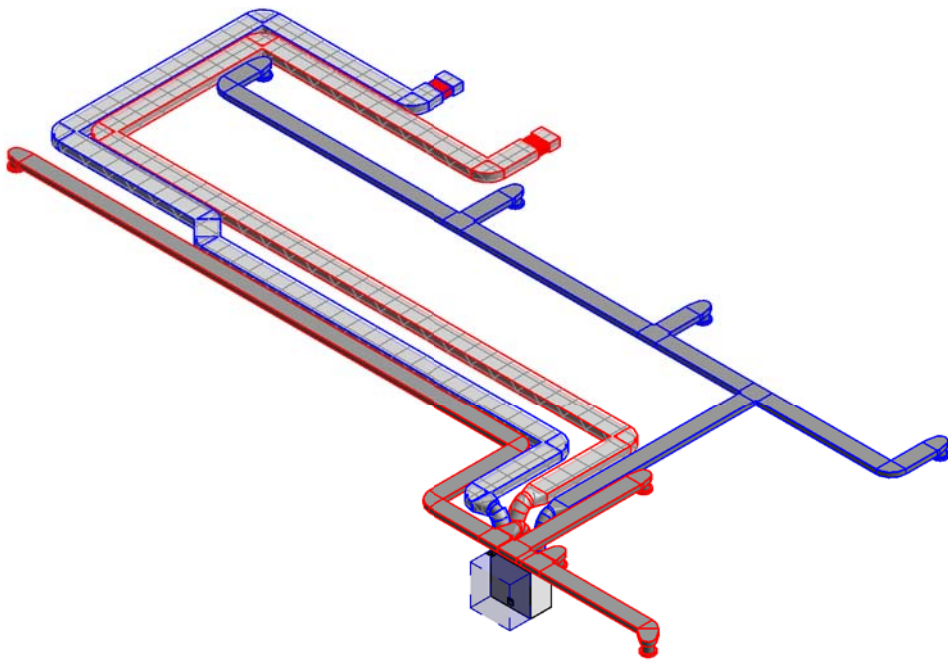
Fleming Way, Crawley West
Sussex
Tel. +44(0)1293 441520
Fax. +44 (0)1293 539209

Project
The Old Vinyl Factory
Drawing
Unit Type B1

Date 17.02.20 Scale 1:50 @A3 Design DH

Drawing No. CAS 11164 _10	Rev N
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Lc-Carbon Sentinel Kinetic BH



A	B	C	D	EØ	F	G
550	550	285	140	125	360	90

Weight 15kg

LC-CARBON SENTINEL KINETIC BH
COMMISSIONING TABLE (l/s)

EXTRACT	Boost	Trickle
Kitchen	13.0	7.8
Utility	8.0	4.8
Bathroom	8.0	4.8
En-Suite 1	8.0	4.8
	37.0	22.1

SUPPLY	Boost*	Trickle
Living Area	7.5	4.5
Dining Room	7.1	4.2
Bedroom 1	12.1	7.2
Bedroom 2	10.3	6.1
	37.0	22.1

(Flowrates to Doc F Building Regs)

NOTES

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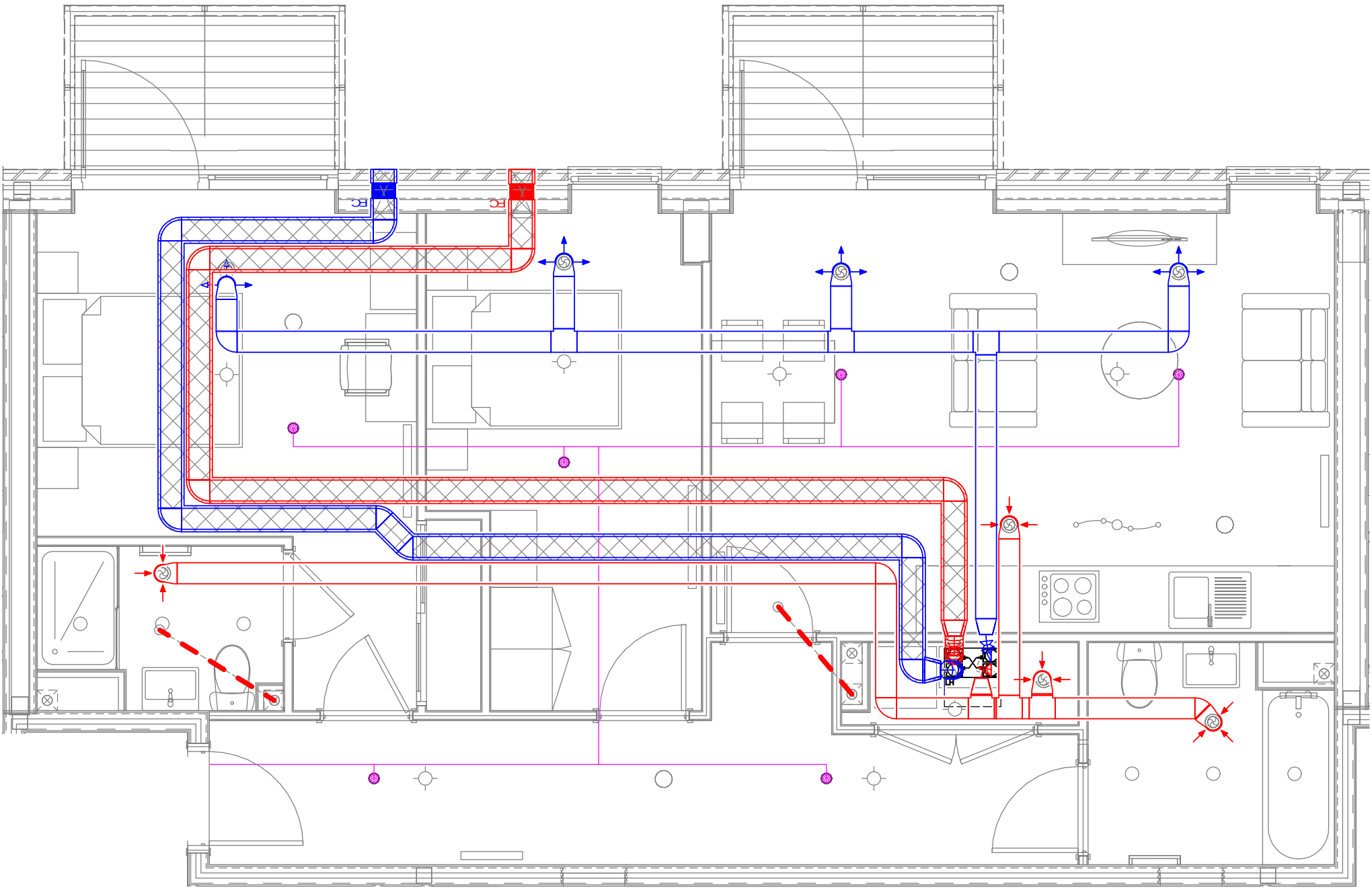
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EXHAUST AND INLET DUCTING TO AND FROM ATMOSPHERE AND ALL DUCTING IN COLD ROOM SPACE TO BE COLLECTED WARMLY INSULATED RIGID PLASTIC DUCTING TO EXTERNAL TERMINATIONS (INSTALLED BY OTHERS).

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N	26.03.20	DH	Diffuser locations amended and duct changes.
M	24.03.20	DH	Duct run amended to avoid RWP, SVP and sprinkler pipe work.
L	11.03.20	JG	Revised comments dated 06.03.20.
K	18.02.20	DH	Purge flats added.
J	26.07.19	DH	Type A4 duct runs amended.
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D	05.07.18	DH	Updated designs to avoid radiator piping.
C	28.06.18	DH	Updated units A1, A2, A3, A4, A7, B5, B6 & B7
B	26.04.18	DH	Unit Type B6 (Purge) added.
A	29.03.18	DH	Updated layouts and designs.
Rev	Date	By	Description

Vent-Axia
New Build Residential

Flerning Way, Crawley West
Sussex
Tel. +44(0)1293 441520
Fax. +44 (0)1293 539209

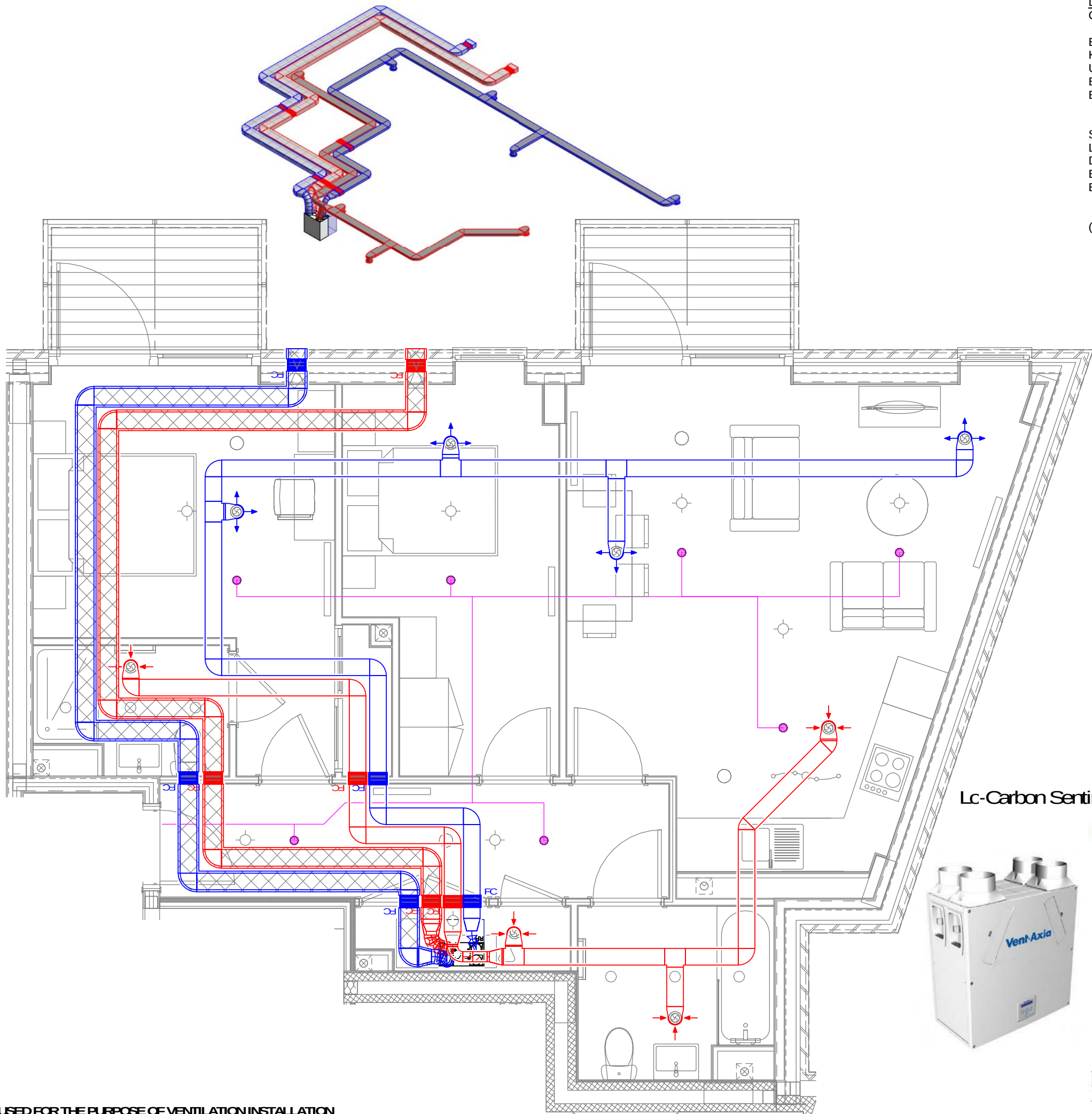
Project
The Old Vinyl Factory
Drawing
Unit Type B2

Date
17.02.20

Scale
1:50 @A3

Design
DH

Drawing No. CAS 11164 _11	Rev N
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LC-CARBON SENTINEL KINETIC BH
COMMISSIONING TABLE (l/s)

EXTRACT	Boost	Trickle
Kitchen	13.0	7.6
Utility	8.0	4.7
Bathroom	8.0	4.7
En-Suite 1	8.0	4.7
	37.0	21.6
SUPPLY	Boost *	Trickle
Living Area	9.1	5.3
Dining Room	8.0	4.7
Bedroom 1	10.8	6.3
Bedroom 2	9.1	5.3
	37.0	21.6

(Flowrates to Doc F Building Regs)

NOTES

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Rev	Date	By	Description

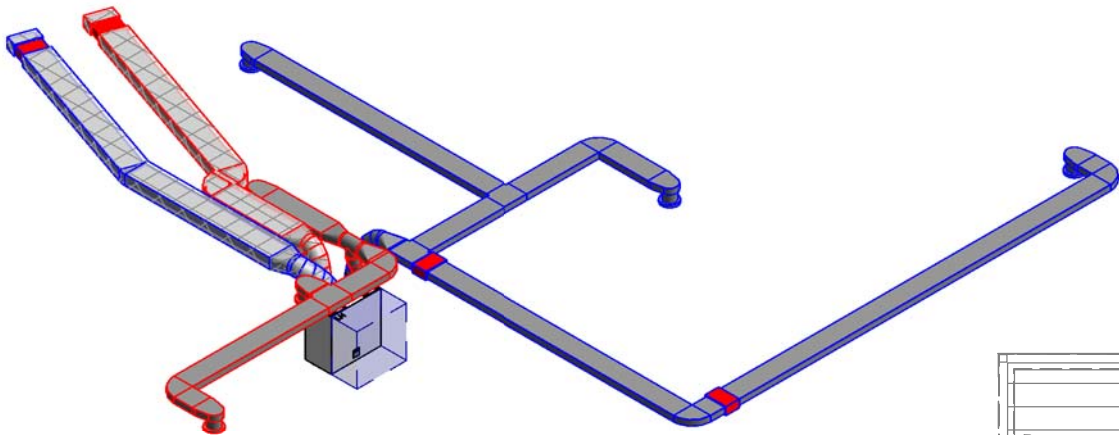
Vent-Axia
New Build Residential

Fleming Way, Crawley West
Sussex
Tel. +44(0)1293 441520
Fax. +44 (0)1293 539209

Project
The Old Vinyl Factory
Drawing
Unit Type B3

Date
17.02.20 Scale
1:50 @A3 Design
DH

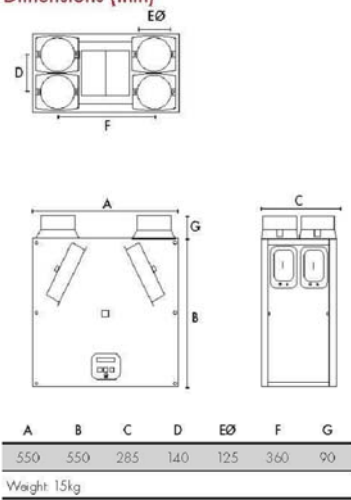
Drawing No. CAS 11164 _12	Rev N
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Lc-Carbon Sentinel Kinetic BH



Dimensions (mm)



LC-CARBON SENTINEL KINETIC BH
COMMISSIONING TABLE (l/s)

	EXTRACT	
	Boost	Trickle
Kitchen	13.0	6.6
Utility	8.0	4.1
Bathroom	8.0	4.1
	29.0	14.8
	SUPPLY	
	Boost*	Trickle
Living Area	8.9	4.5
Dining Room	8.7	4.4
Bedroom 1	11.4	5.8
	29.0	14.8

(Flowrates to Doc F Building Regs)

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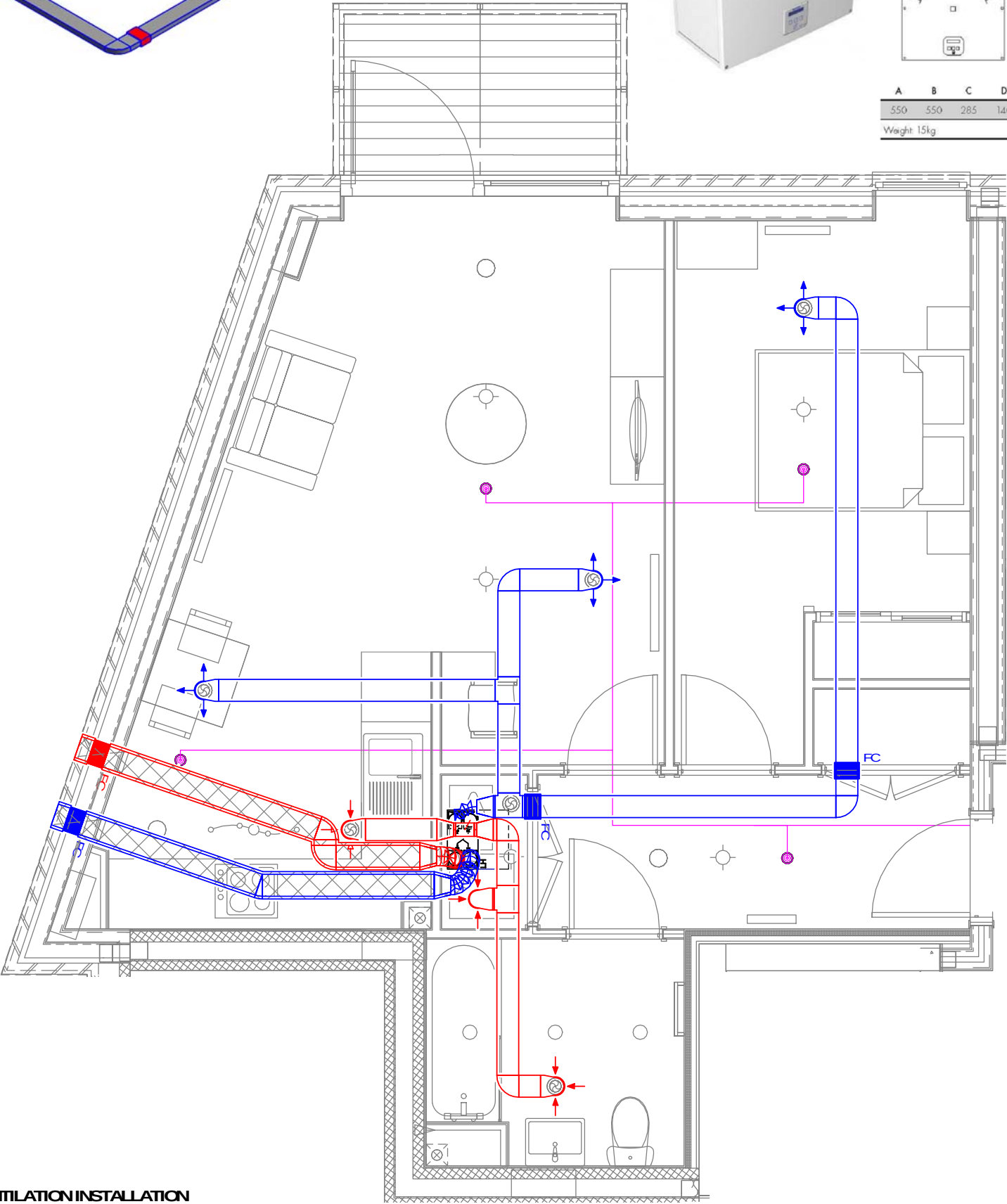
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A	29.03.18	DH	Updated layouts and designs.
Rev	Date	By	Description

Vent-Axia
New Build Residential

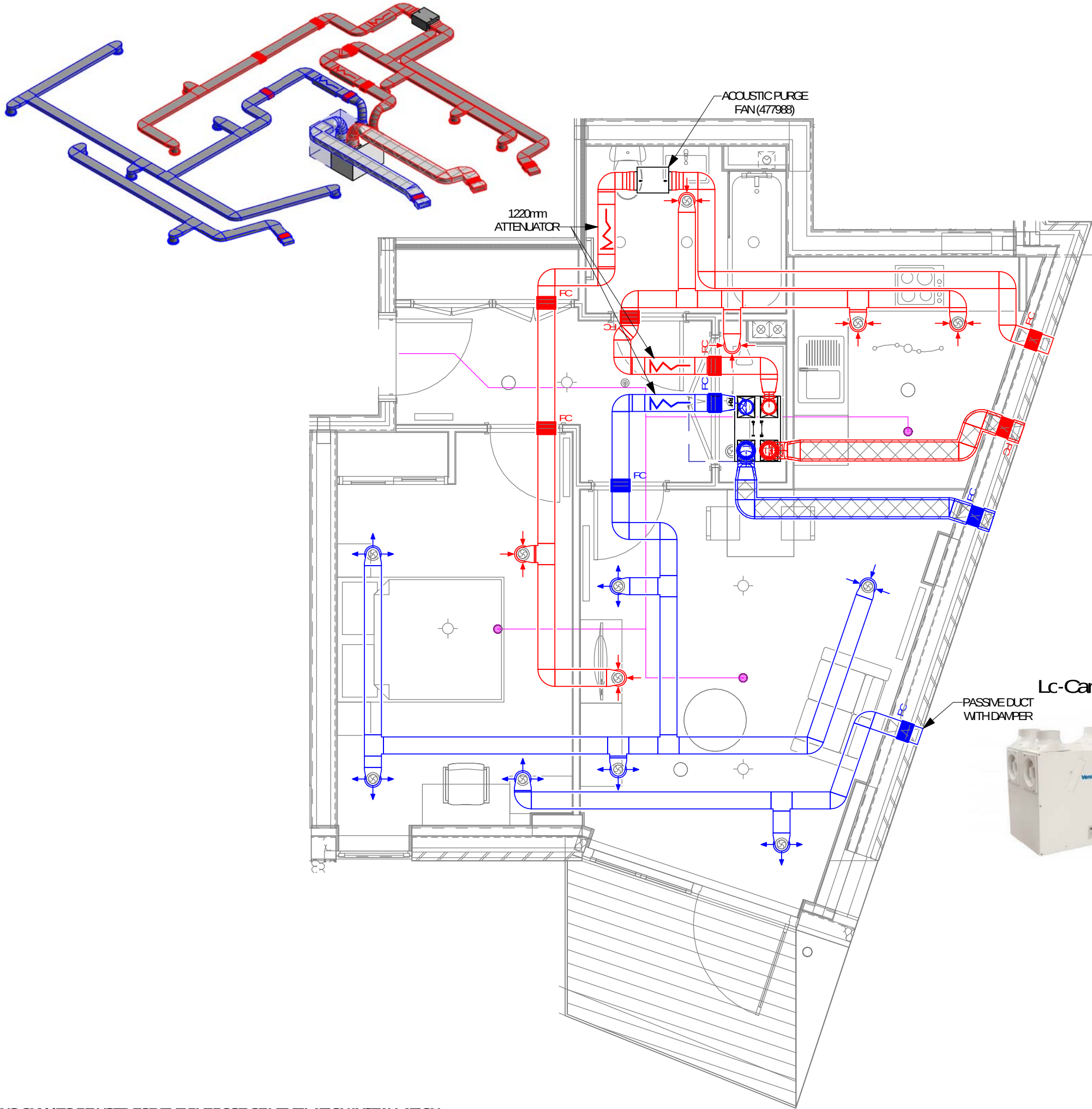
Fleming Way, Crawley West
Sussex
Tel. +44(0)1293 441520
Fax. +44 (0)1293 539209

Project
The Old Vinyl Factory

Drawing
Unit Type B4

Date 17.02.20 Scale 1:50 @A3 Design DH

Drawing No. CAS 11164 _13	Rev N
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LC-CARBON SENTINEL KINETIC HIGH FLOW
COMMISSIONING TABLE (l/s)

EXTRACT	Purge	Boost	Trickle
Kitchen	47.1	24.7	22.4
Utility	29.0	15.2	13.8
Bathroom	29.0	15.2	13.8
	105.0	55.0	50.0

SUPPLY	Purge	Boost	Trickle
Living Area 1	21.0	11.0	10.0
Living Area 2	21.0	11.0	10.0
Dining Area	21.0	11.0	10.0
Bedroom 1	21.0	11.0	10.0
Bedroom 1	21.0	11.0	10.0
	105.0	55.0	50.0

(Flowrates to Doc F Building Regs)

PURGE FAN (477988)

EXTRACT	Required Rates (single speed only)(l/s)
Living Area	20.0
Bedroom 1	20.0

(Flowrates to Doc F Building Regs)

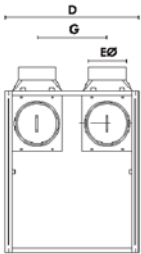
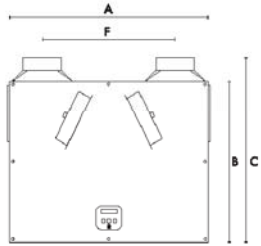
Lc-Carbon Sentinel Kinetic High Flow



Dimensions (mm)

A	B	C	D	EØ	F	G
785	635	722	550	150	520	275

Weight: 24kg



NOTES

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E	12.11.18	DH	Ventilation designs changed in order to avoid SVP and other pipe work.
D	05.07.18	DH	Updated designs to avoid radiator piping.
C	28.06.18	DH	Updated units A1, A2, A3, A4, A7, B5, B6 & B7
B	26.04.18	DH	Unit Type B6 (Purge) added.
A	29.03.18	DH	Updated layouts and designs.
Rev	Date	By	Description

Vent-Axia
New Build Residential

Fleming Way, Crawley West
Sussex
Tel. +44(0)1293 441520
Fax. +44 (0)1293 539209

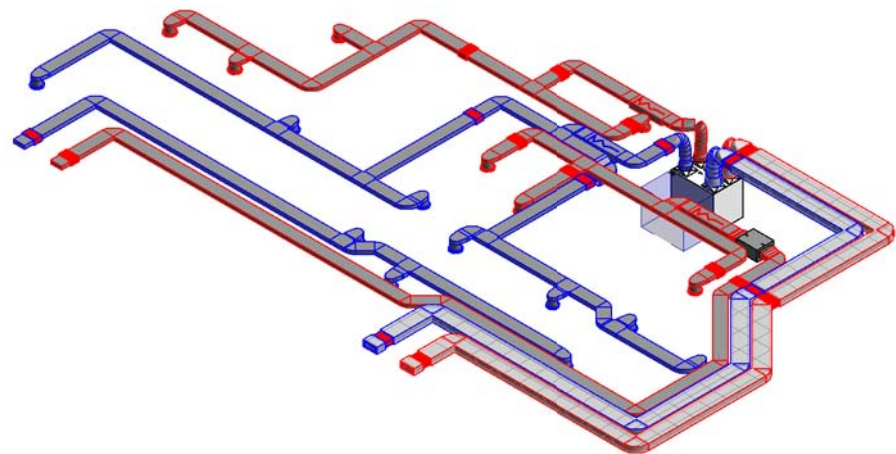
Project
The Old Vinyl Factory
Drawing
Unit Type B5 - Purge

Date
17.02.20

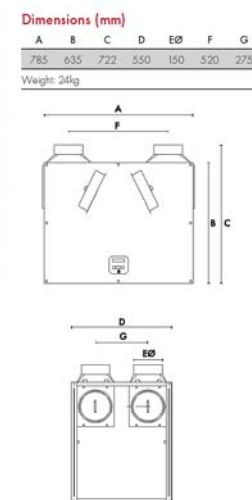
Scale
1:50 @A3

Design
DH

Drawing No. CAS 11164 _14	Rev N
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Lc-Carbon Sentinel Kinetic High Flow



LC-CARBON SENTINEL KINETIC HIGH FLOW COMMISSIONING TABLE (l/s)

EXTRACT	Purge	Boost	Trickle
Kitchen	47.1	24.7	22.4
Utility	29.0	15.2	13.8
Bathroom	29.0	15.2	13.8
	105.0	55.0	50.0

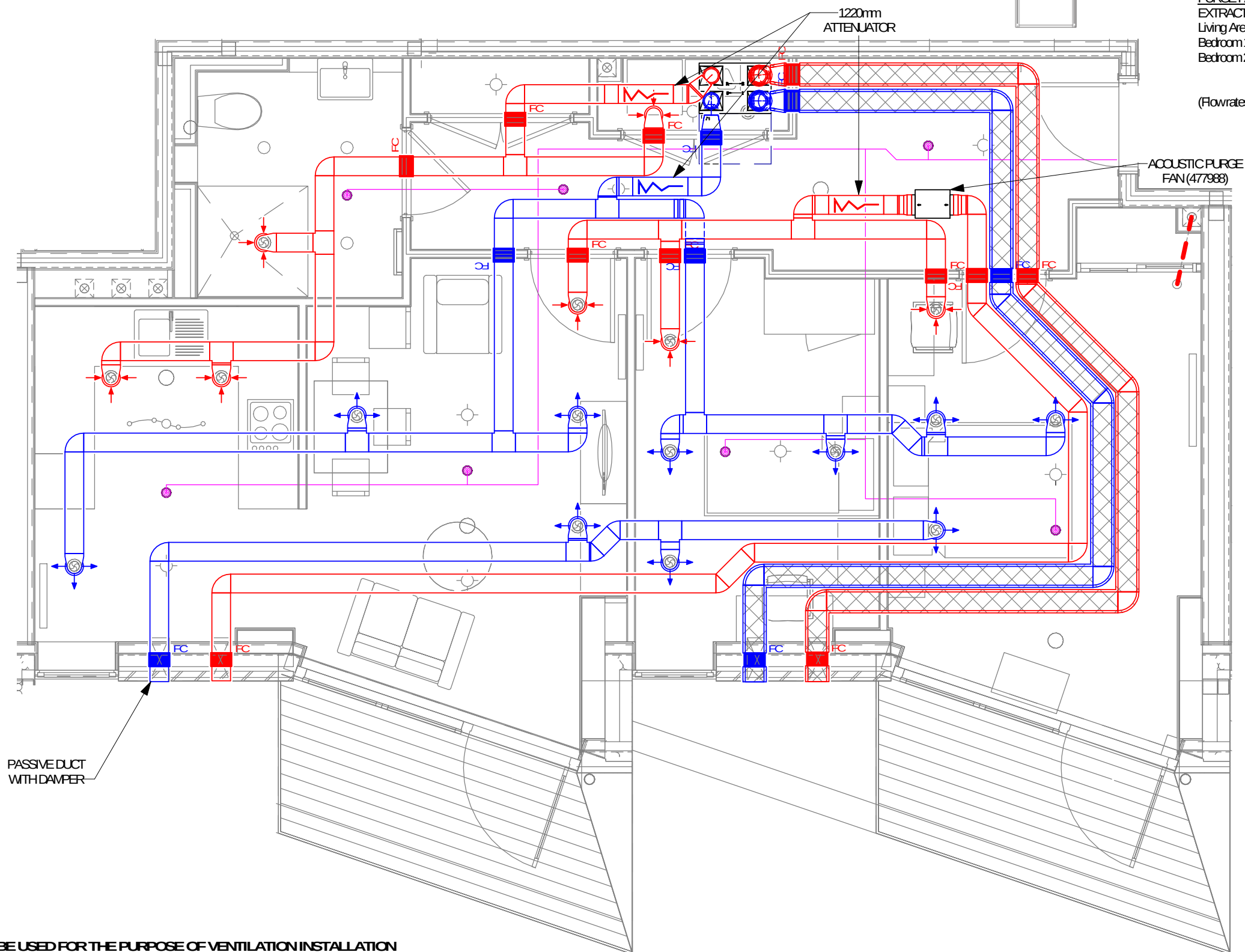
SUPPLY	Purge	Boost	Trickle
Living Area 1	15.0	7.9	7.1
Living Area 2	15.0	7.9	7.1
Dining Area	15.0	7.9	7.1
Bedroom 1	15.0	7.9	7.1
Bedroom 1	15.0	7.9	7.1
Bedroom 2	15.0	7.9	7.1
Bedroom 2	15.0	7.9	7.1
	105.0	55.0	50.0

(Flowrates to Doc F Building Regs)

PURGE FAN (477988)

EXTRACT	Required Rates (single speed only)(l/s)
Living Area	13.3
Bedroom 1	13.3
Bedroom 2	13.3

(Flowrates to Doc F Building Regs)



PASSIVE DUCT WITH DAMPER

NOTES

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B	26.04.18	DH	Unit Type B6 (Purge) added.
A	29.03.18	DH	Updated layouts and designs.
Rev	Date	By	Description

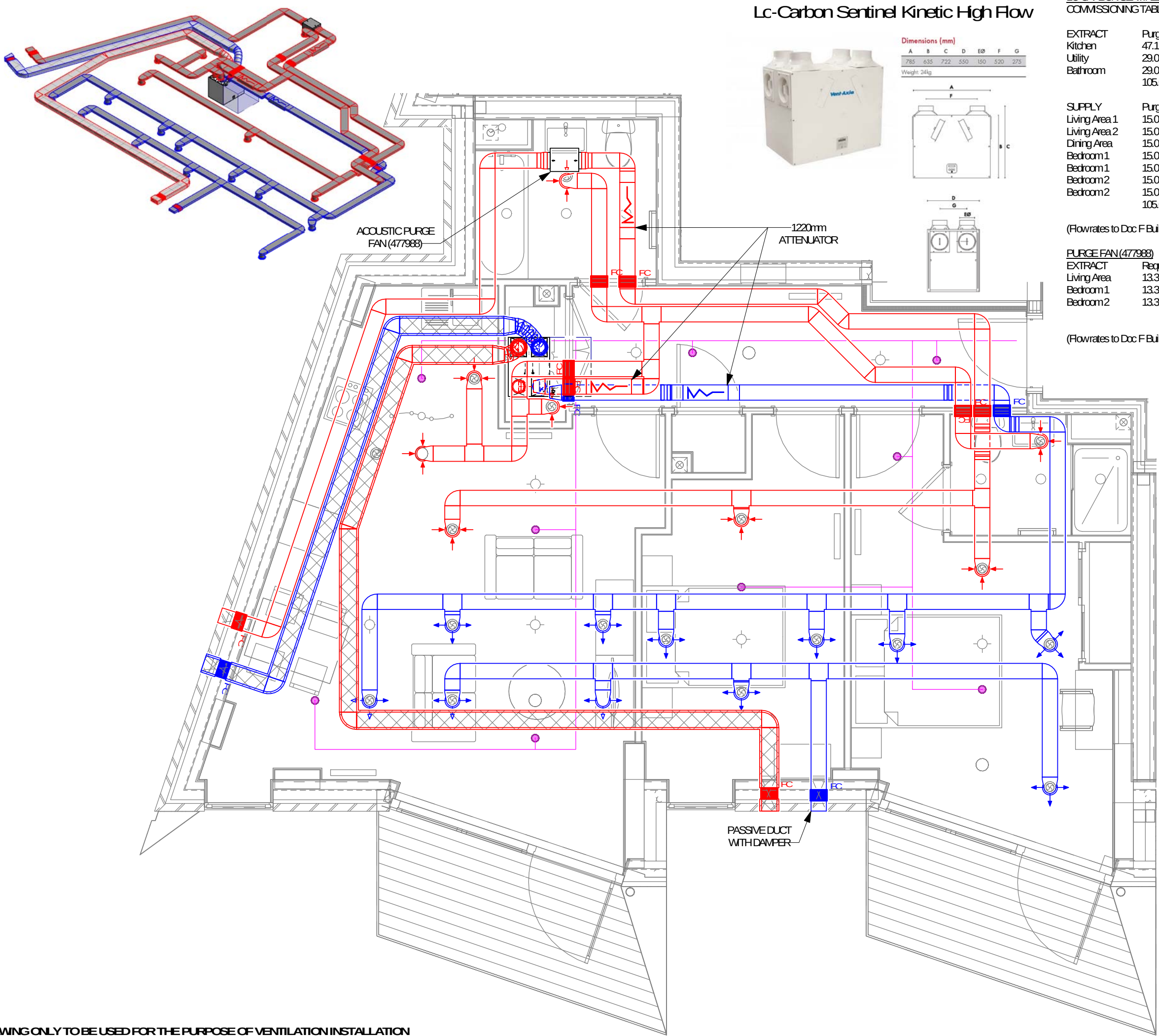
Vent-Axia
New Build Residential

Fleming Way, Crawley West
Sussex
Tel. +44(0)1293 441520
Fax. +44 (0)1293 539209

Project
The Old Vinyl Factory
Drawing
Unit Type B6 - Purge

Date 17.02.20 Scale 1:50 @A3 Design DH

Drawing No. CAS 11164 _15	Rev N
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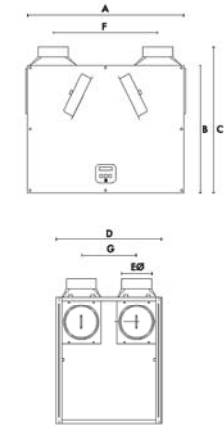


Lc-Carbon Sentinel Kinetic High Flow

Dimensions (mm)

A	B	C	D	EØ	F	G
785	635	722	550	150	520	275

Weight: 24kg



LC-CARBON SENTINEL KINETIC HIGH FLOW COMMISSIONING TABLE (l/s)

EXTRACT	Purge	Boost	Trickle
Kitchen	47.1	24.7	22.4
Utility	29.0	15.2	13.8
Bathroom	29.0	15.2	13.8
	105.0	55.0	50.0
SUPPLY	Purge	Boost	Trickle
Living Area 1	15.0	7.9	7.1
Living Area 2	15.0	7.9	7.1
Dining Area	15.0	7.9	7.1
Bedroom 1	15.0	7.9	7.1
Bedroom 1	15.0	7.9	7.1
Bedroom 2	15.0	7.9	7.1
Bedroom 2	15.0	7.9	7.1
	105.0	55.0	50.0

(Flowrates to Doc F Building Regs)

PURGE FAN (477988)

EXTRACT	Required Rates (single speed only)(l/s)
Living Area	13.3
Bedroom 1	13.3
Bedroom 2	13.3

(Flowrates to Doc F Building Regs)

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UNIT IS TO RUN AT CONTINUOUS TRICKLE WITH BOOST BEING ACTIVATED VIA TRICKLE/ BOOST CONTROLLER AND LOCAL BOOST SWITCHES (E.G. LIGHTS) IN ALL VET ROOMS. IF SWITCHING VALVES, DOUBLE ROLES SWITCHED OR RELAYS (E.G. VAA4200) WILL BE REQUIRED. LOCAL SWITCHING NOT SPECIFICALLY REQUIRED FOR INTEGRAL HUMIDISTAT UNITS.

EXHAUST AND INLET DUCTING TO AND FROM ATMOSPHERE AND ALL DUCTING IN COLD ROOM SPACE TO BE COLLECTED MANUALLY INSULATED RIGID PLASTIC DUCTING TO EXTERNAL TERMINATIONS (INSTALLED BY OTHERS).

ALL VENTILATION UNITS MUST BE INSTALLED IN ACCORDANCE WITH THE DOMESTIC VENTILATION COMPLIANCE GUIDE AND IN CONJUNCTION WITH THE RELEVANT INSTALLATION INSTRUCTIONS.

THE DESIGN ASSUMES THAT THE CEILING VOIDS ARE SUFFICIENT TO ACCOMMODATE THE DUCTING.

IF NOT USING VENT-AXIA EXTERNAL TERMINATIONS THE FREE AREA MUST BE MIN 14,000mm² FOR THE KINETIC PLUS OR THE INTEGRAL PLUS 10,080mm² FOR ANY OTHER SYSTEM AT THE TERMINAL HIGHEST POINT.

N	26.03.20	DH	Diffuser locations amended and duct changes.
M	24.03.20	DH	Duct run amended to avoid RWP, SVP and sprinkler pipe work.
L	11.03.20	JG	Revised comments dated 06.03.20.
K	18.02.20	DH	Purge flats added.
J	26.07.19	DH	Type A4 duct runs amended.
H	24.07.19	DH	Duct runs amended.
G	17.07.19	DH	New layouts used.
F	20.05.19	DH	New Layouts used and duct runs amended.
E	12.11.18	DH	Ventilation designs changed in order to avoid SVP and other pipe work.
D	05.07.18	DH	Updated designs to avoid radiator piping.
C	28.06.18	DH	Updated units A1, A2, A3, A4, A7, B5, B6 & B7
B	26.04.18	DH	Unit Type B6 (Purge) added.
A	29.03.18	DH	Updated layouts and designs.
Rev	Date	By	Description

Vent-Axia
New Build Residential

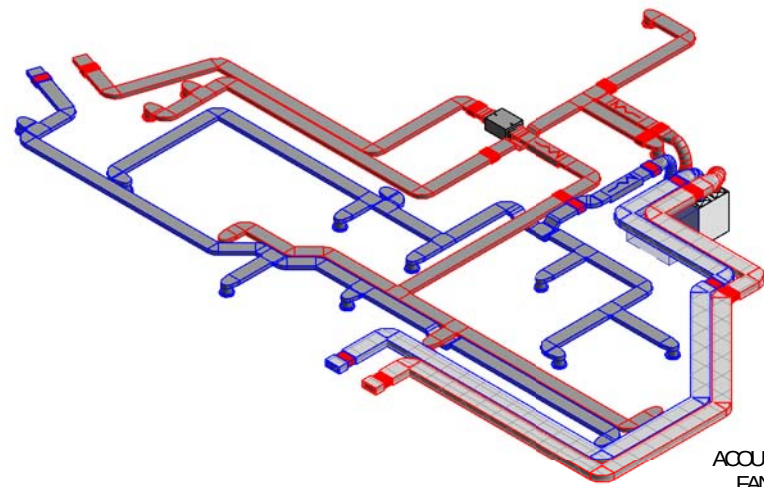
Fleming Way, Crawley West
Sussex
Tel. +44(0)1293 441520
Fax. +44 (0)1293 539209

Project
The Old Vinyl Factory

Drawing
Unit Type B9 - Purge

Date 17.02.20 Scale 1:50 @A3 Design DH

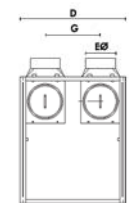
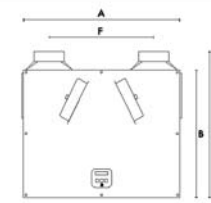
Drawing No. CAS 11164 _16	Rev N
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Lc-Carbon Sentinel Kinetic High Flow



Dimensions (mm)						
A	B	C	D	EØ	F	G
785	635	722	550	150	520	275
Weight: 24kg						



LC-CARBON SENTINEL KINETIC HIGH FLOW COMMISSIONING TABLE (l/s)

EXTRACT	Purge	Boost	Trickle
Kitchen	47.1	24.7	22.4
Utility	29.0	15.2	13.8
Bathroom	29.0	15.2	13.8
	105.0	55.0	50.0

SUPPLY	Purge	Boost	Trickle
Living Area 1	15.0	7.9	7.1
Living Area 2	15.0	7.9	7.1
Dining Area	15.0	7.9	7.1
Bedroom 1	15.0	7.9	7.1
Bedroom 1	15.0	7.9	7.1
Bedroom 2	15.0	7.9	7.1
Bedroom 2	15.0	7.9	7.1
	105.0	55.0	50.0

(Flowrates to Doc F Building Regs)

PURGE FAN (477988)

EXTRACT	Required Rates (single speed only)(l/s)
Living Area	13.3
Bedroom 1	13.3
Bedroom 2	13.3

(Flowrates to Doc F Building Regs)

NOTES

THIS SYSTEM PROPOSAL HAS BEEN DESIGNED TO COMPLY WITH THE CURRENT BUILDING REGULATIONS - MEANS OF VENTILATION.

THE SYSTEM MUST BE INSTALLED AND COMMISSIONED WITH GOOD INSTALLATION PRACTICE AND AS PER THE DESIGN SPECIFICATION.

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IF NOT USING VENT-AXIA EXTERNAL TERMINATIONS THE FREE AREA MUST BE MIN 34,000mm² FOR THE KINETIC PLUS OR THE INTEGRAL PLUS 30,000mm² FOR ANY OTHER SYSTEM AT THE TERMINAL HIGHEST POINT.

N	26.03.20	DH	Diffuser locations amended and duct changes.
M	24.03.20	DH	Duct run amended to avoid RWP, SVP and sprinkler pipe work.
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Vent-Axia
New Build Residential

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Sussex
Tel: +44(0)1293 441520
Fax: +44 (0)1293 539209

Project
The Old Vinyl Factory
Drawing
Unit Type B10 - Purge

Date 17.02.20 Scale 1:50 @A3 Design DH

Drawing No. CAS 11164 _17	Rev N
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ACOUSTIC PURGE FAN (477988)

1220mm ATTENUATOR

PASSIVE DUCT WITH DAMPER