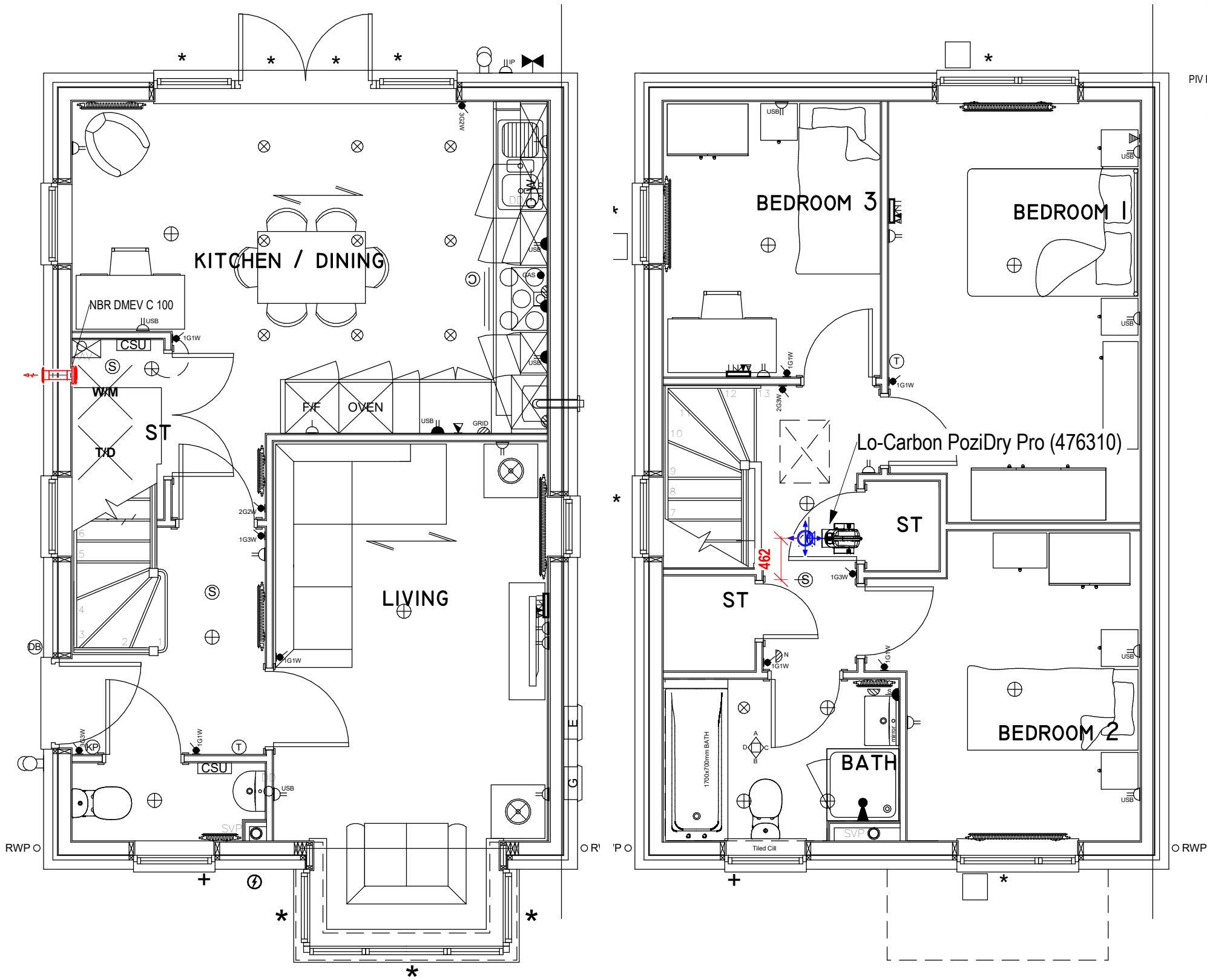
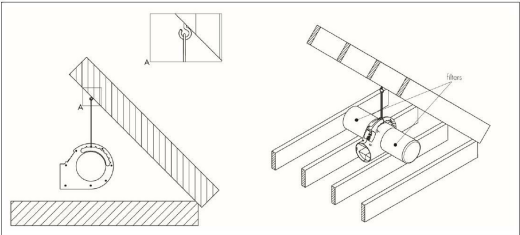




PIV
Positive Input Ventilation (PIV) System
Vent-Axia Lo-Carbon PoziDry Pro (476310) mounted in the loft space hung from a convenient roof beam using the suspension kit provided, ensuring that the flexible ducting has gentle bends and cannot be crushed. Fused spur to be provided in the loft space. Loft space to be boarded to provide access to the unit. Vent-Axia Lo-Carbon PoziDry Pro FD (476312) to be installed on 3 storey dwellings.

- PIV Diffuser Positioning
- Diffuser to be positioned a minimum 1m of obstructions i.e. walls and smoke alarms.
 - Where the diffuser is positioned within 1m of walls and smoke alarms it has provisions to blank off the the airflow for upto two quadrants of the diffuser.
 - When the quadrants are blanked the open sides must be a minimum 1.5m away from the smoke alarms and 1m away from walls.
 - On 3 storey dwellings the diffuser supplied with the Vent-Axia Lo-Carbon PoziDry Pro FD (476311) is a metal diffuser.

- PIV Flow of Air
- Clearances under doors should be a minimum 10mm from floor finish to ensure adequate airflow.
 - On 3 storey dwellings with fire doors a transmittal vent should be installed to ensure adequate airflow (supplied by others). **
 - Kitchens and wet rooms that are not accessible from the central hallway / landing will require an additional continuous running extract fan Vent-Axia Lo-Carbon NBRDMEV (475142) to be installed to ensure adequate airflow.



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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VENT-AXIA WILL NOT BE RESPONSIBLE FOR CONSEQUENCES OUTSIDE OUR CONTROL CAUSED BY THE SYSTEM INSTALLATION E.G. PROPERTY ACOUSTICS, STRUCTURAL INTEGRITY ETC.

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THE DESIGN IS SUBJECT TO COPYRIGHT AND MUST NOT BE ALTERED, AMENDED OR INCORPORATED IN ANYWAY WHATSOEVER, NOR SHALL IT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE EXPRESS PERMISSION OF VENT-AXIA.

UNIT IS TO RUN AT CONTINUOUS TRICKLE WITH BOOST BEING ACTIVATED VIA A TRICKLE / BOOST CONTROLLER AND LOCAL BOOST SWITCHES (EG LIGHTS) IN ALL WET ROOMS. IF SWITCHING VIA LIGHTS, DOUBLE POLE SWITCHED OR RELAYS (E.G. VIA 42030) WILL BE REQUIRED. LOCAL SWITCHING NOT SPECIFICALLY REQUIRED FOR INTEGRAL HUMIDISTAT UNITS.

EXHAUST AND INTAKE DUCTING TO AND FROM ATMOSPHERE AND ALL DUCTING IN COLD ROOM SPACE TO BE DUCTED VIA FULLY INSULATED RIGID PLASTIC DUCTING TO EXTERNAL TERMINATIONS (INSTALLED BY OTHER).

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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 INTEGRA PLUS. 10,000mm² FOR ANY OTHER SYSTEM AT THE TERMINALS TIGHTEST POINT.

A	15.12.22	DKA	Revised to Comments dated 11.11.22
Rev	Date	By	Description

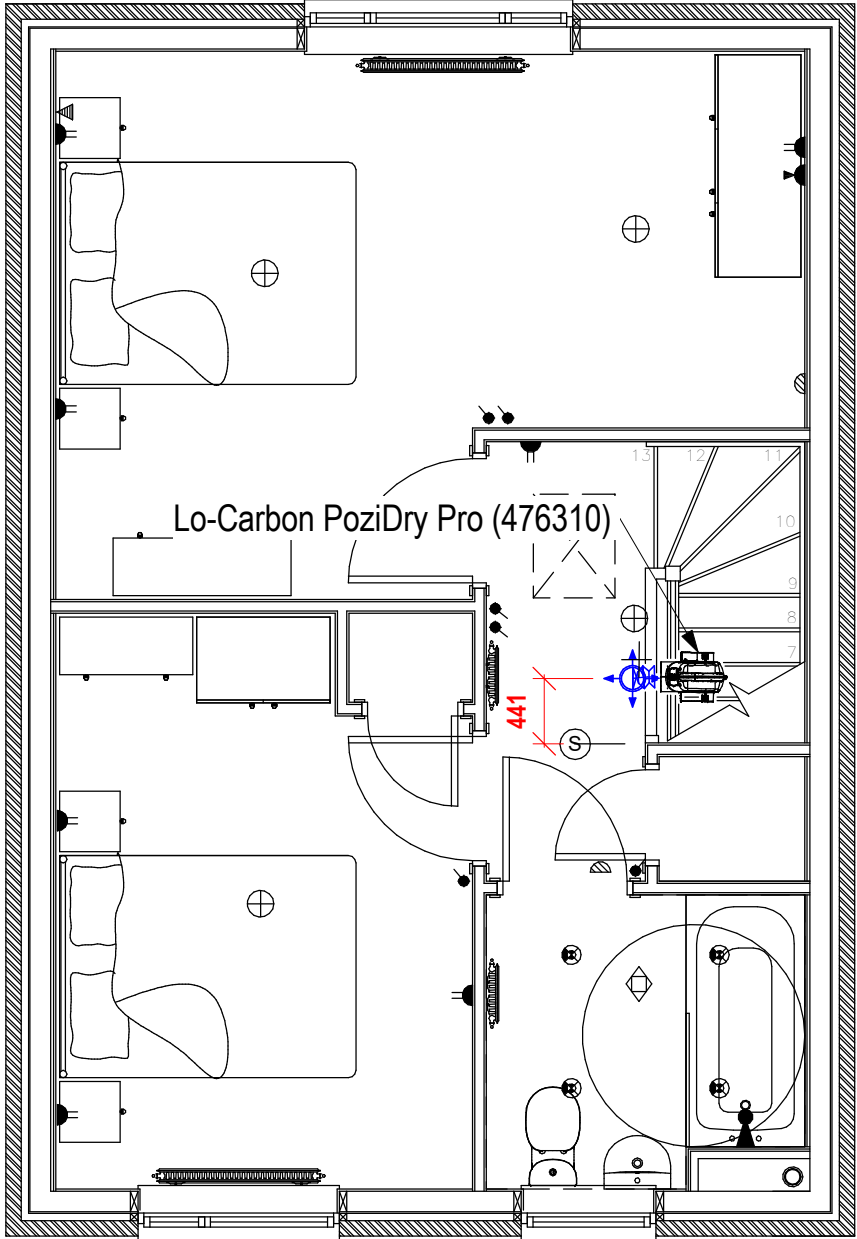
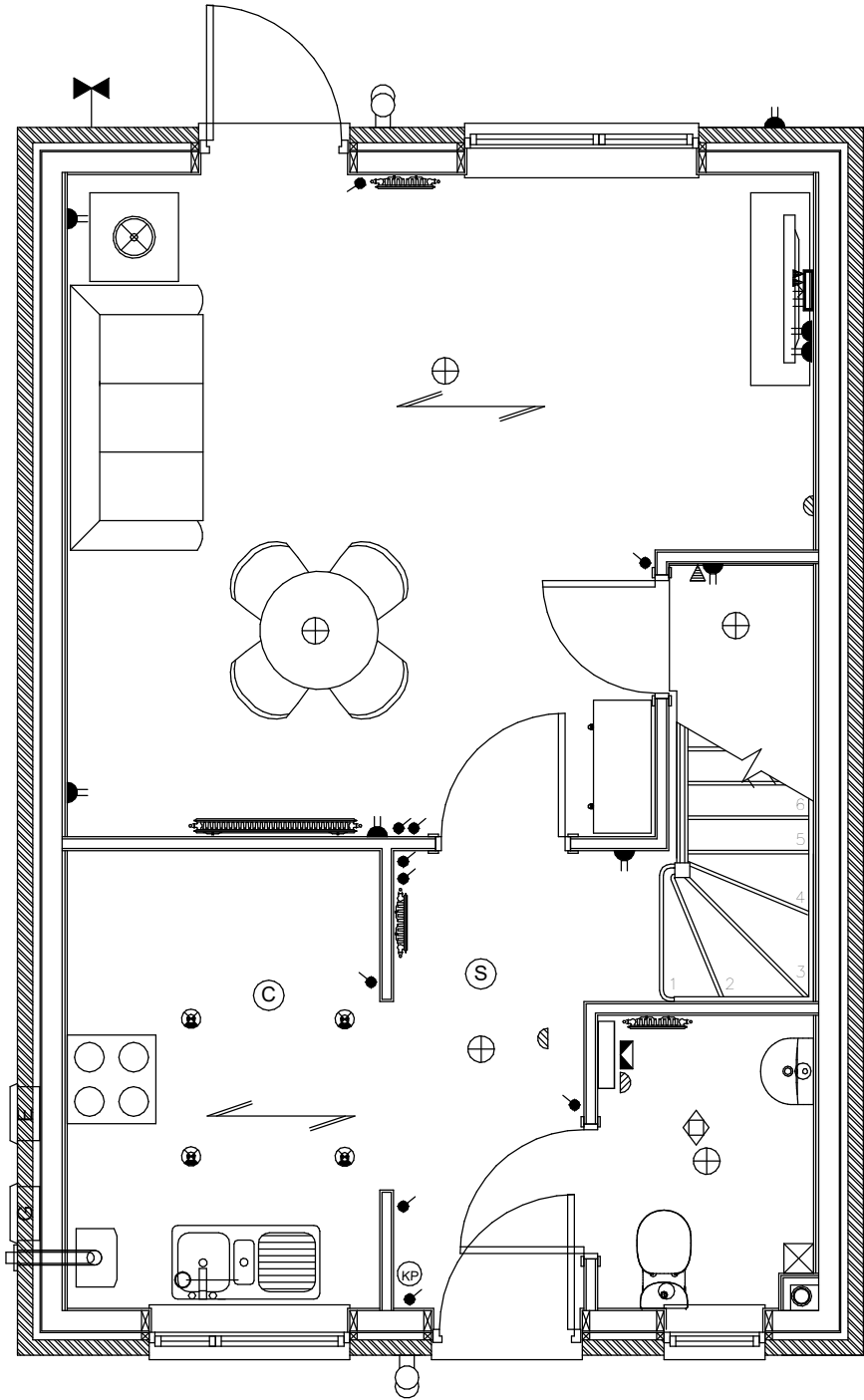
Vent-Axia

New Build Residential

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Fax. +44 (0)1293 539209

Project
Don Street
Drawing
ACACIA 959
Date 07.11.22 Scale 1 : 50 @A3 Design DKA
Drawing No. CAS 13757 _01 Rev A

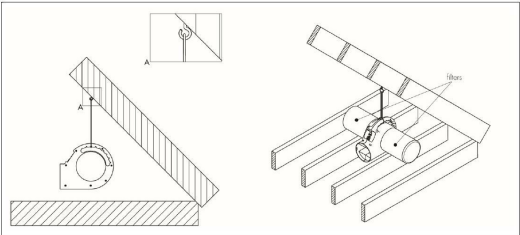
Legend	
	NBR dMEVC 100
	Lo-Carbon PoziDry Pro (476310)



PIV
Positive Input Ventilation (PIV) System
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NOTES:

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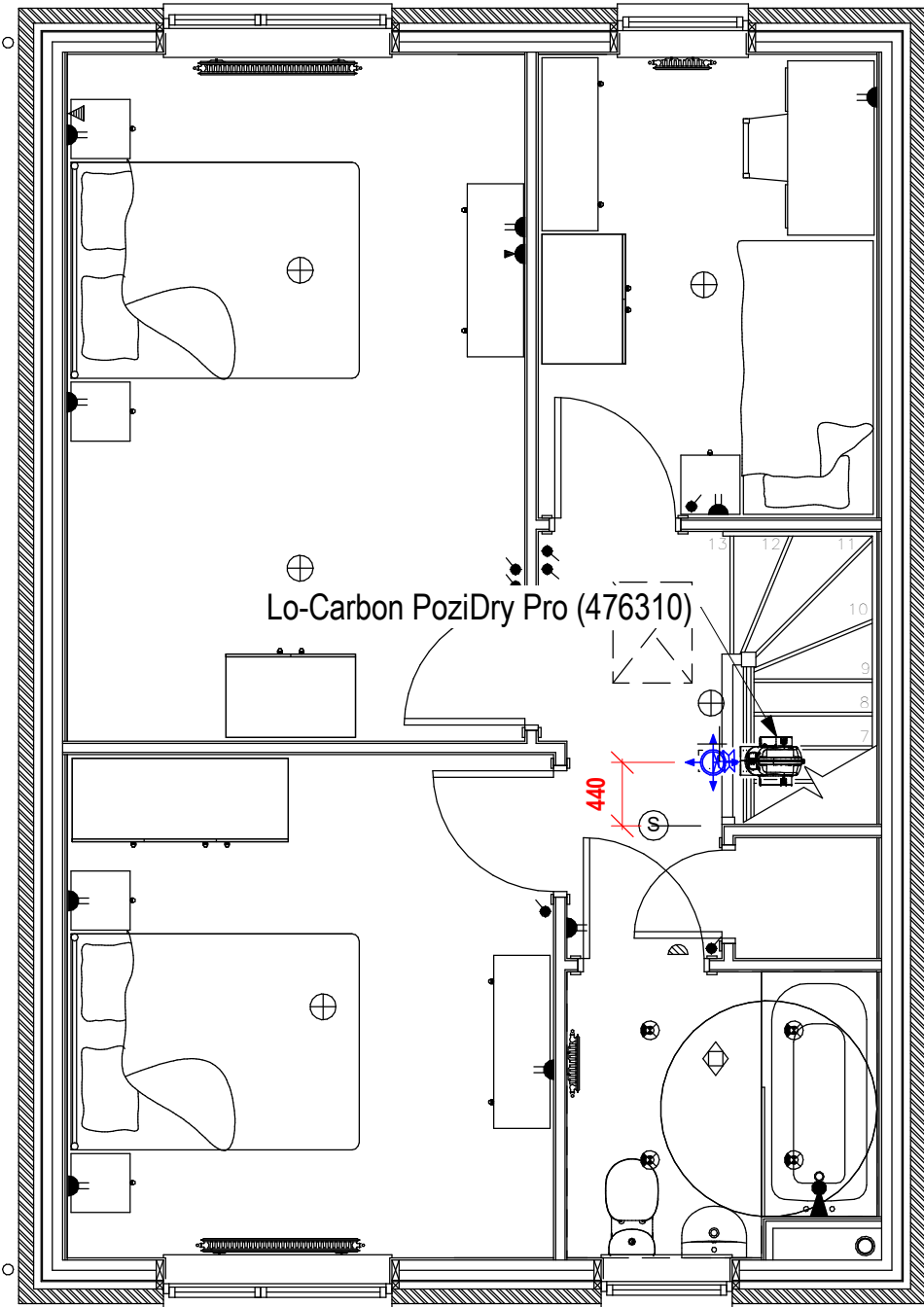
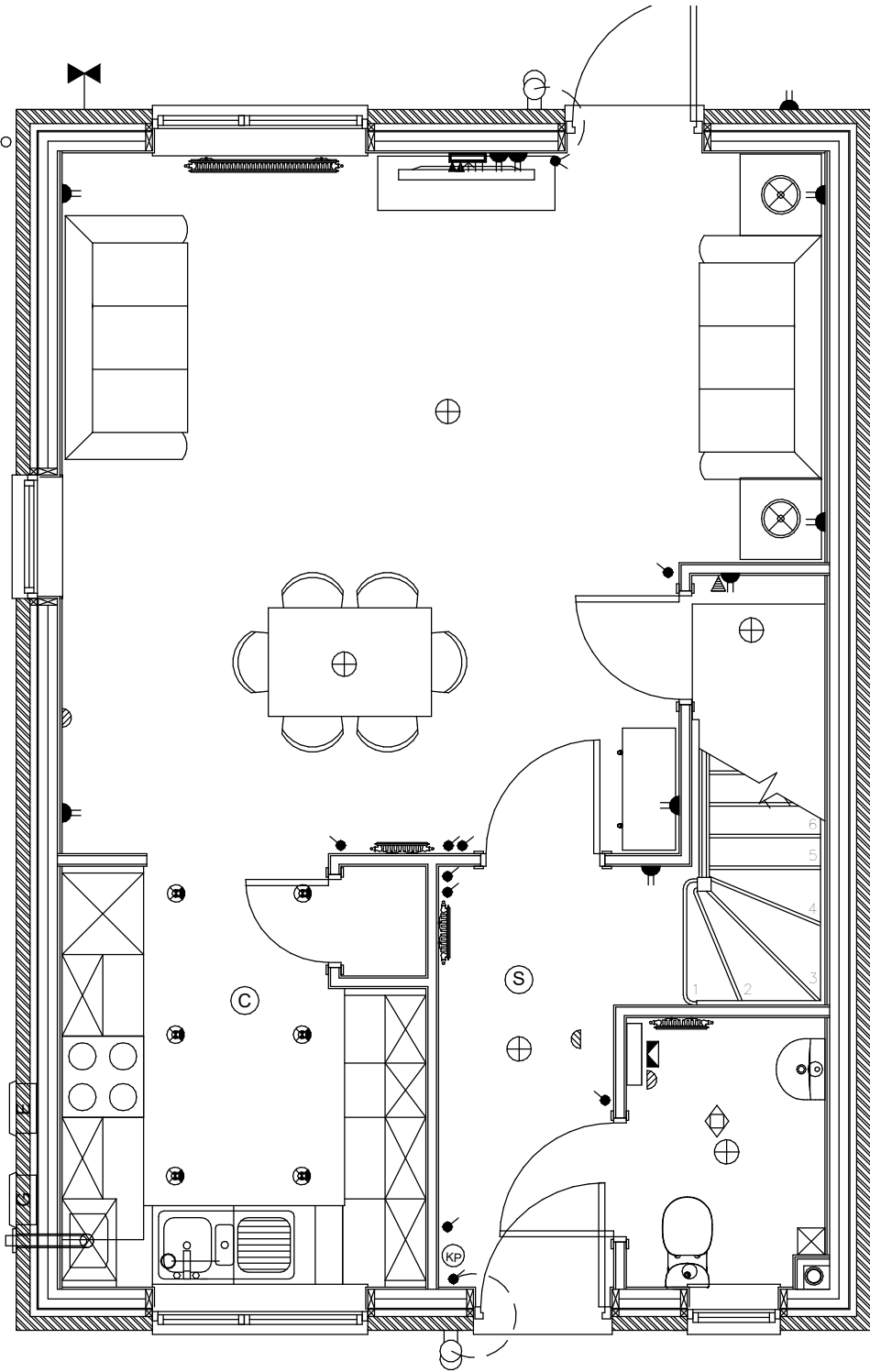
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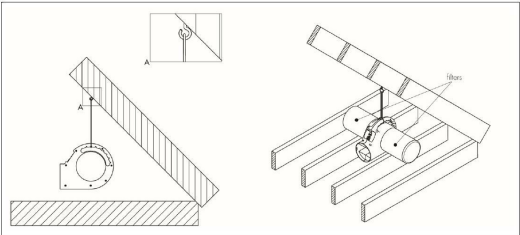
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A	15.12.22	DKA	Revised to Comments dated 11.11.22
Rev	Date	By	Description

Vent-Axia

New Build Residential

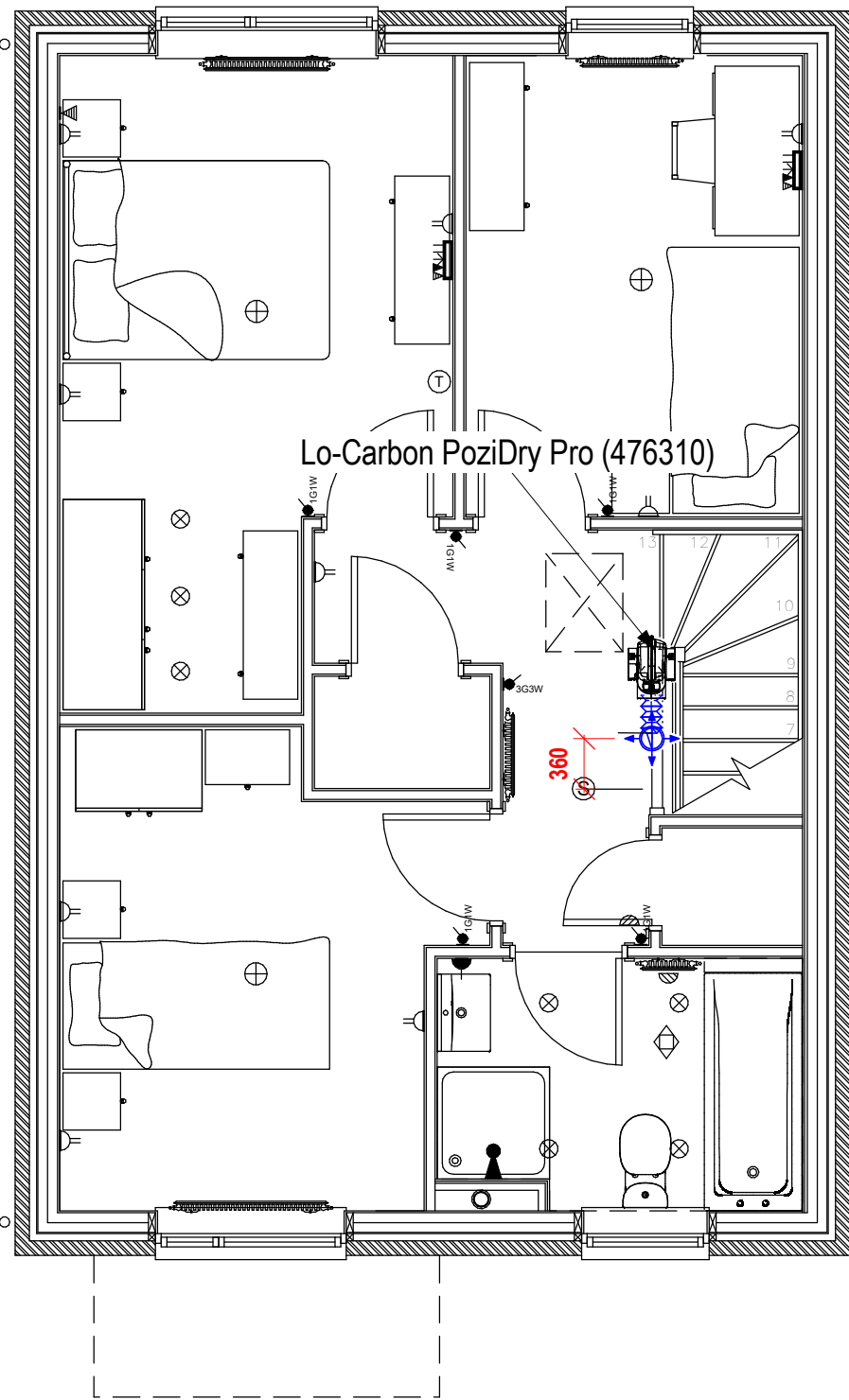
Fleming Way, Crawley West
Sussex
Tel. +44(0)1293 441520
Fax. +44 (0)1293 539209

Project
Don Street
Drawing
ADU 1009

Date 10/17/22 Scale 1 : 50 @A3 Design Designer

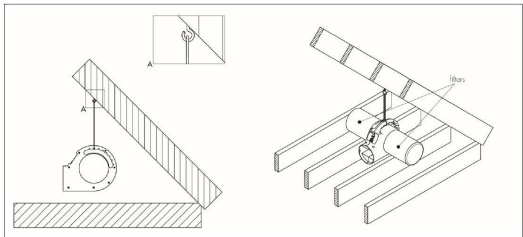
Drawing No. CAS 13757 _03	Rev A
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Legend	
	Lo-Carbon PoziDry Pro (476310)



PIV Flow of Air

- Clearances under doors should be a minimum 10mm from floor finish to ensure adequate airflow.
- On 3 storey dwellings with fire doors a transmittal vent should be installed to ensure adequate airflow (supplied by others). **
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NOTES:

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VENT-A-XIAO WILL NOT BE RESPONSIBLE FOR CONSEQUENCES OUTSIDE OUR CONTROL, CAUSED BY THE SYSTEM INSTALLATION E.G. PROPERTY ACOUSTICS, STRUCTURAL INTEGRITY ETC.

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UNIT IS TO RUN AT CONTINUOUS TRICKLE WITH BOOST BEING ACTIVATED VIA A TRICKLE / BOOST CONTROLLER AND LOCAL SWITCHES (ED LIGHTS) IN ALL WET ROOMS. IF SWITCHING VIA LIGHTS, DOUBLE POLE SWITCHED OR RELAYS (E.G. VIA 420230) WILL BE REQUIRED. LOCAL SWITCHING NOT SPECIFICALLY REQUIRED FOR INTEGRAL HUMIDISTAT UNITS.

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A	15.12.22	DKA	Revised to Comments dated 11.11.22
Rev	Date	By	Description

Vent-Axia

New Build Residential

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

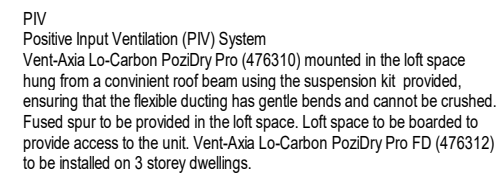
Project
Don Street
Drawing
CEDAR 959

Date 10/17/22 Scale 1 : 50 @A3 Design Designer

Drawing No. CAS 13757 _04	Rev A
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Legend	
	NBR dMEVC 100
	Lo-Carbon Pozidry Pro (476310)

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



- Diffuser to be positioned a minimum 1m of obstructions i.e. walls and smoke alarms.
- Where the diffuser is positioned within 1m of walls and smoke alarms it has provisions to blank off the the airflow for upto two quadrants of the diffuser.
- When the quadrants are blanked the open sides must be a minimum 1.5m away from the smoke alarms and 1m away from walls.
- On 3 storey dwellings the diffuser supplied with the Vent-Axia Lo-Carbon Pozidry Pro FD (476311) is a metal diffuser.

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- On 3 storey dwellings with fire doors a transmittal vent should be installed to ensure adequate airflow (supplied by others). **
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B	03.07.23	DKA	En-suite fan relocated to Wall Mounted
A	15.12.22	DKA	Revised to Comments dated 11.11.22
Rev	Date	By	Description

Vent-Axia

New Build Residential

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

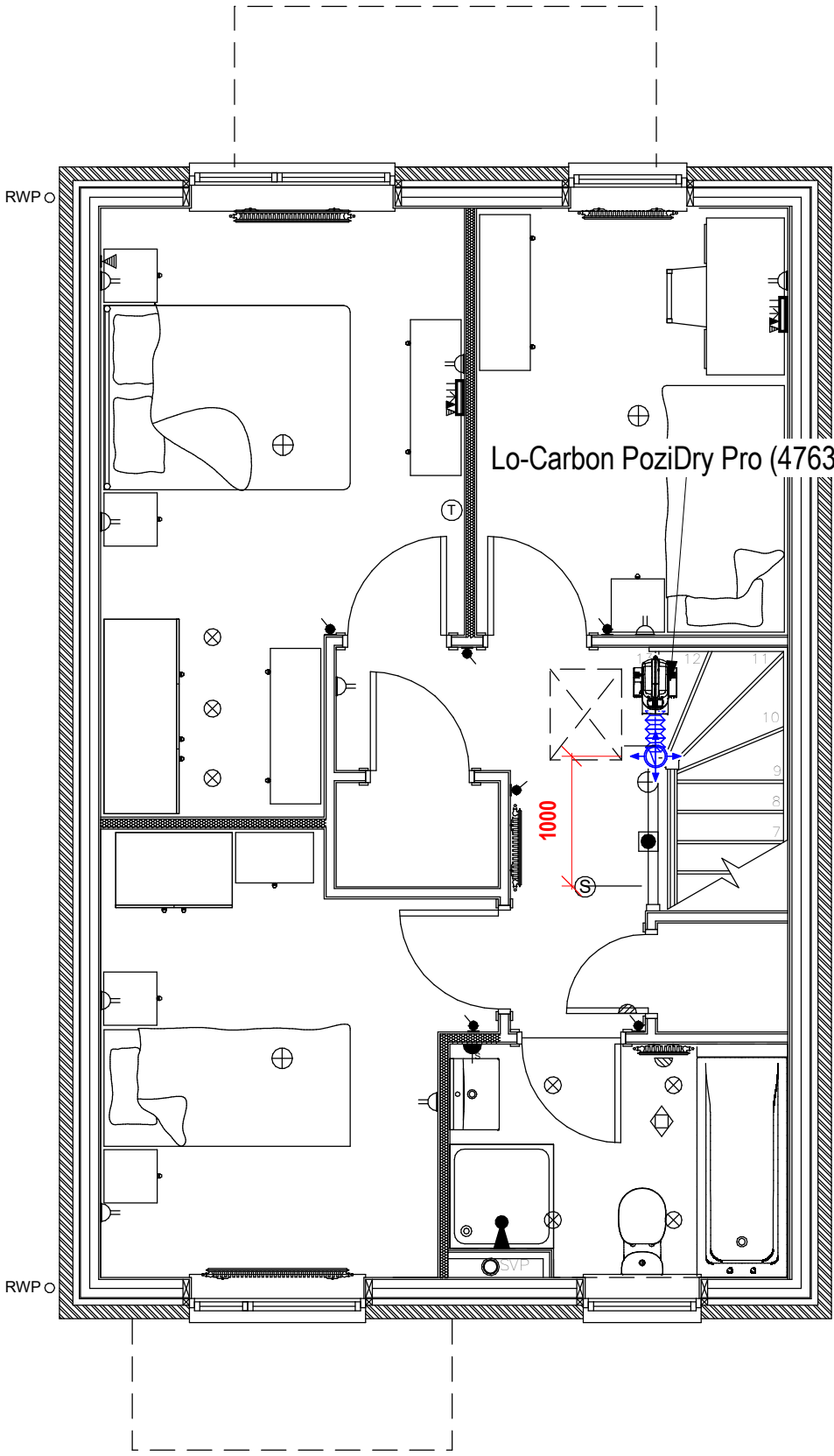
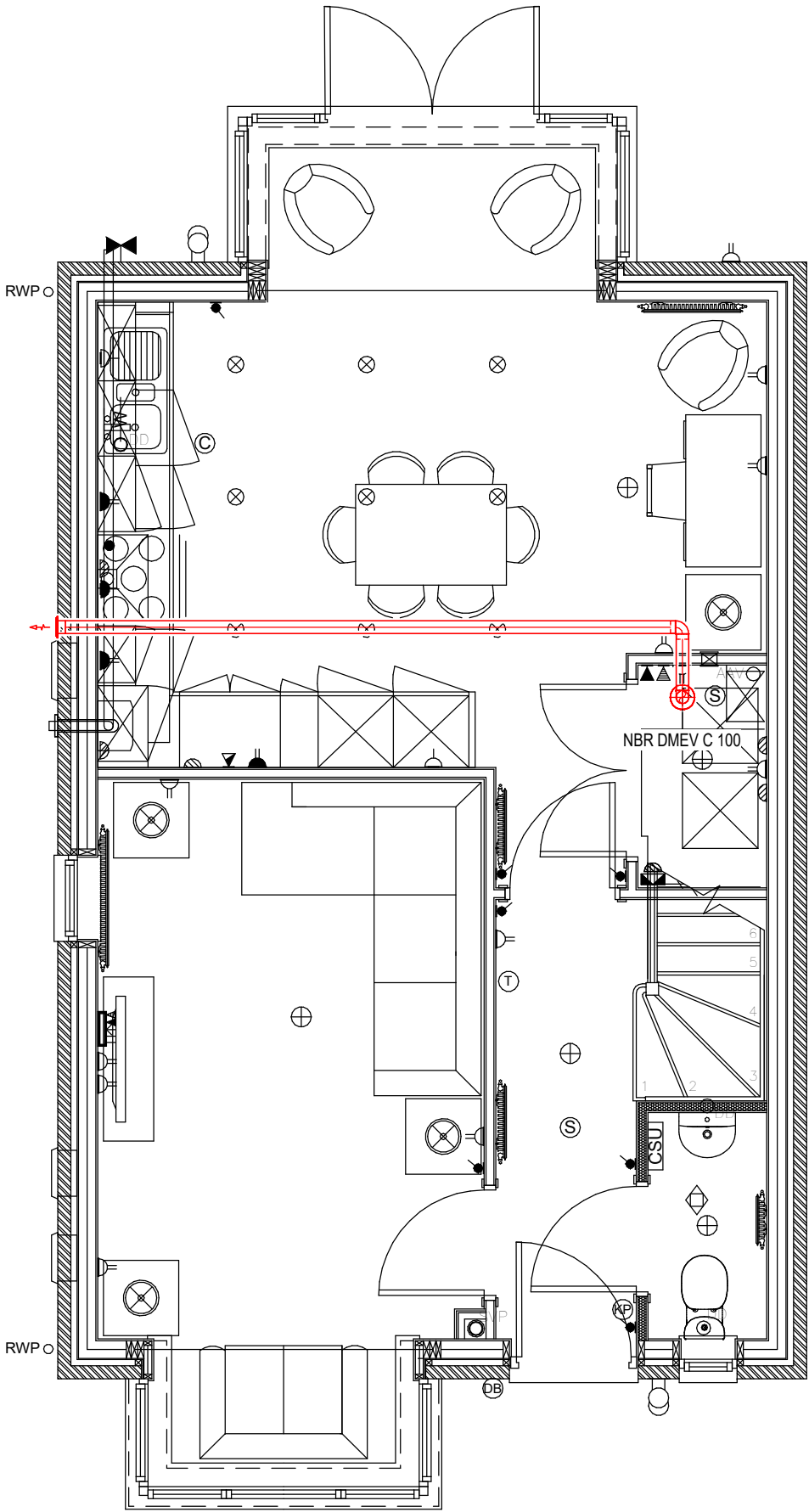
Don Street

CHERRY 1221

Date	Scale	Design
10/17/22	1 : 50 @A3	Designer

Drawing No. CAS 13757 05	Rev B
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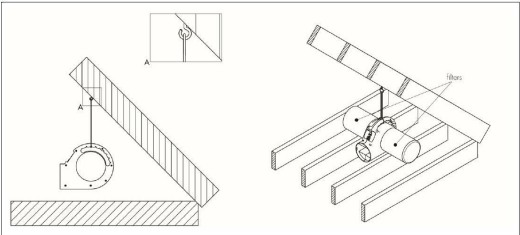
***DRAWING ONLY TO BE USED FOR THE PURPOSE OF VENTILATION INSTALLATION**



PIV
Positive Input Ventilation (PIV) System
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A	15.12.22	DKA	Revised to Comments dated 11.11.22
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
Don Street
Drawing
CYPRESS 994

Date 10/17/22 Scale 1 : 50 @A3 Design Designer

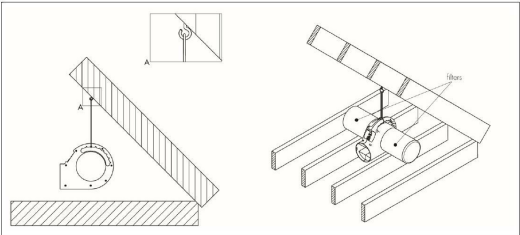
Drawing No. CAS 13757 _06	Rev A
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Legend	
	NBR dMEVC 100
	Lo-Carbon PoziDry Pro (476310)

PIV
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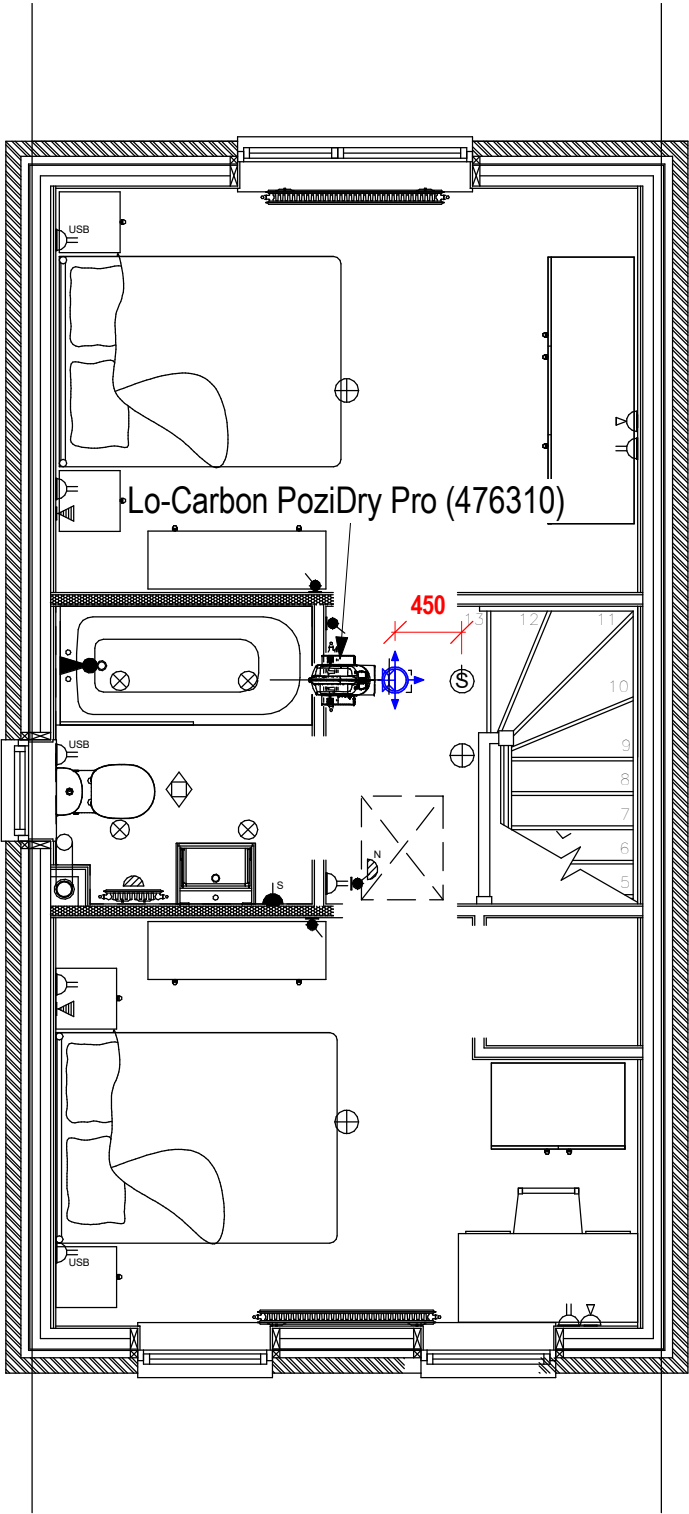
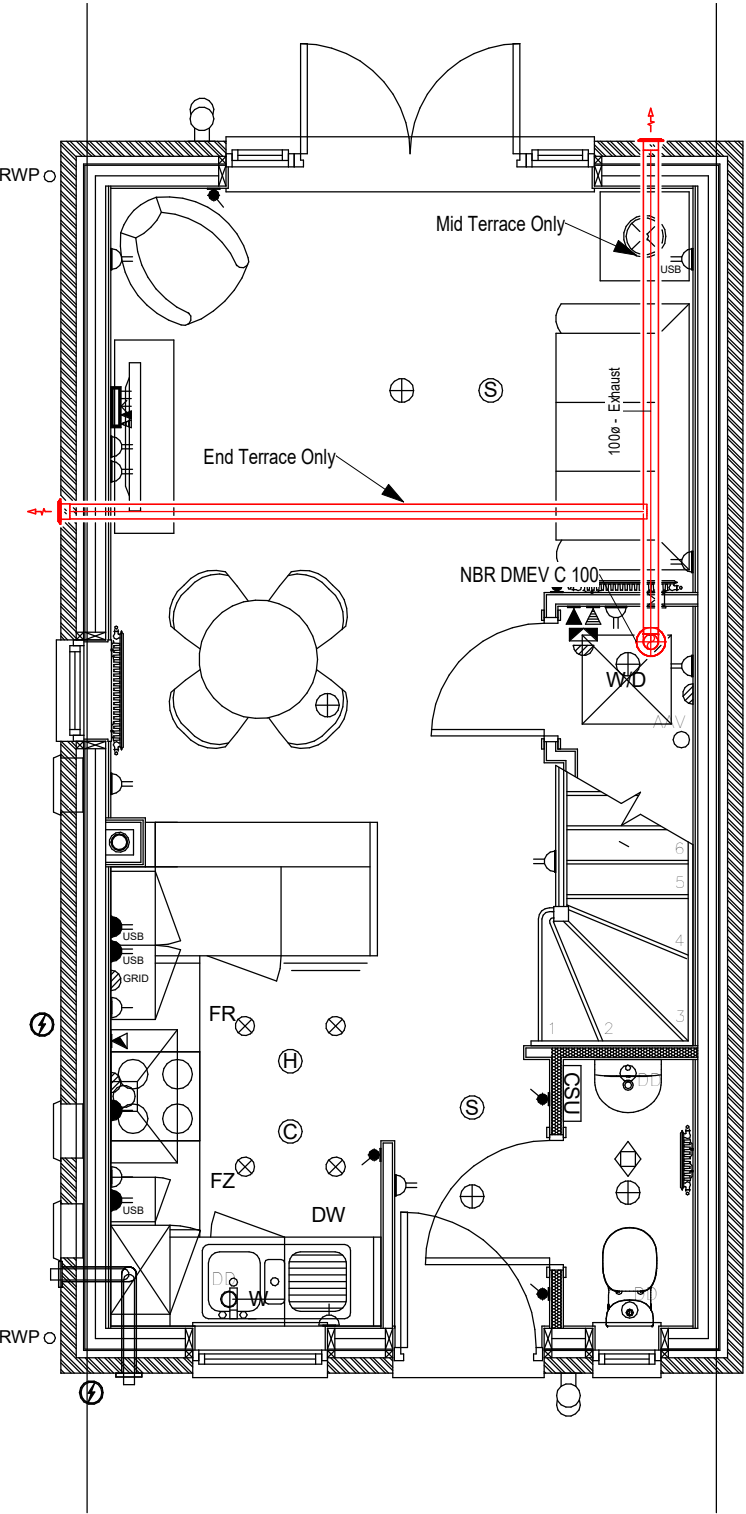
UNIT IS TO RUN AT CONTINUOUS TRICKLE WITH BOOST BEING ACTIVATED VIA A TRICKLE / BOOST CONTROLLER AND LOCAL BOOST SWITCHES (EG LIGHTS) IN ALL WET ROOMS. IF SWITCHING VIA LIGHTS, DOUBLE POLE SWITCHED OR RELAYS (E.G. VIA 42030) WILL BE REQUIRED. LOCAL SWITCHING NOT SPECIFICALLY REQUIRED FOR INTEGRAL HUMIDISTAT UNITS.

EXHAUST AND INTAKE DUCTING TO AND FROM ATMOSPHERE AND ALL DUCTING IN COLD ROOM SPACE TO BE DUCTED VIA FULLY INSULATED RIGID PLASTIC DUCTING TO EXTERNAL TERMINATIONS (INSTALLED BY OTHER).

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 INTEGRA PLUS. 10,000mm² FOR ANY OTHER SYSTEM AT THE TERMINALS TIGHTEST POINT.



Legend	
	NBR dMEVC 100
	Lo-Carbon Pozidry Pro (476310)

A	15.12.22	DKA	Revised to Comments dated 11.11.22
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
Don Street

Drawing
EION 649

Date 10/17/22 Scale 1 : 50 @A3 Design Designer

Drawing No. CAS 13757 _07	Rev A
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PIV
Positive Input Ventilation (PIV) System
Vent-Axia Lo-Carbon PoziDry Pro (476310) mounted in the loft space hung from a convenient roof beam using the suspension kit provided, ensuring that the flexible ducting has gentle bends and cannot be crushed. Fused spur to be provided in the loft space. Loft space to be boarded to provide access to the unit. Vent-Axia Lo-Carbon PoziDry Pro FD (476312) to be installed on 3 storey dwellings.

- PIV Diffuser Positioning
- Diffuser to be positioned a minimum 1m of obstructions i.e. walls and smoke alarms.
 - Where the diffuser is positioned within 1m of walls and smoke alarms it has provisions to blank off the the airflow for upto two quadrants of the diffuser.
 - When the quadrants are blanked the open sides must be a minimum 1.5m away from the smoke alarms and 1m away from walls.
 - On 3 storey dwellings the diffuser supplied with the Vent-Axia Lo-Carbon PoziDry Pro FD (476311) is a metal diffuser.

- PIV Flow of Air
- Clearances under doors should be a minimum 10mm from floor finish to ensure adequate airflow.
 - On 3 storey dwellings with fire doors a transmittal vent should be installed to ensure adequate airflow (supplied by others). **
 - Kitchens and wet rooms that are not accessible from the central hallway / landing will require an additional continuous running extract fan Vent-Axia Lo-Carbon NBRDMEV (475142) to be installed to ensure adequate airflow.

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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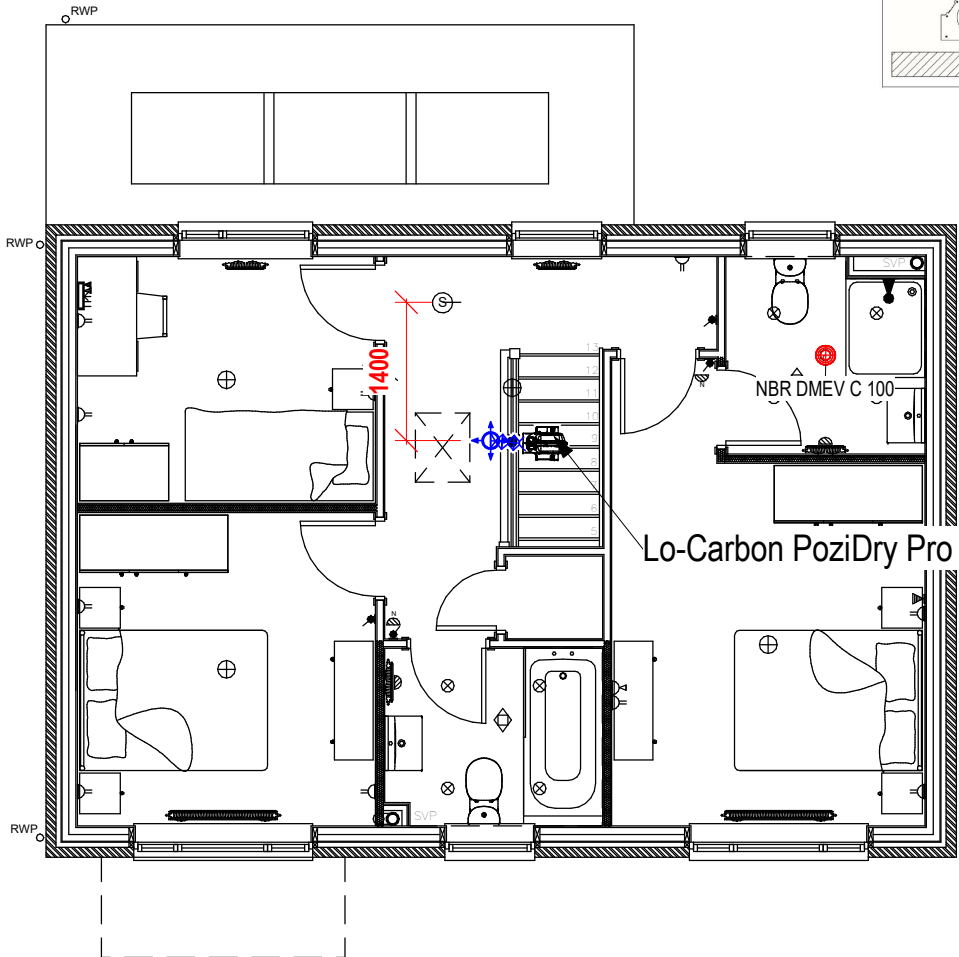
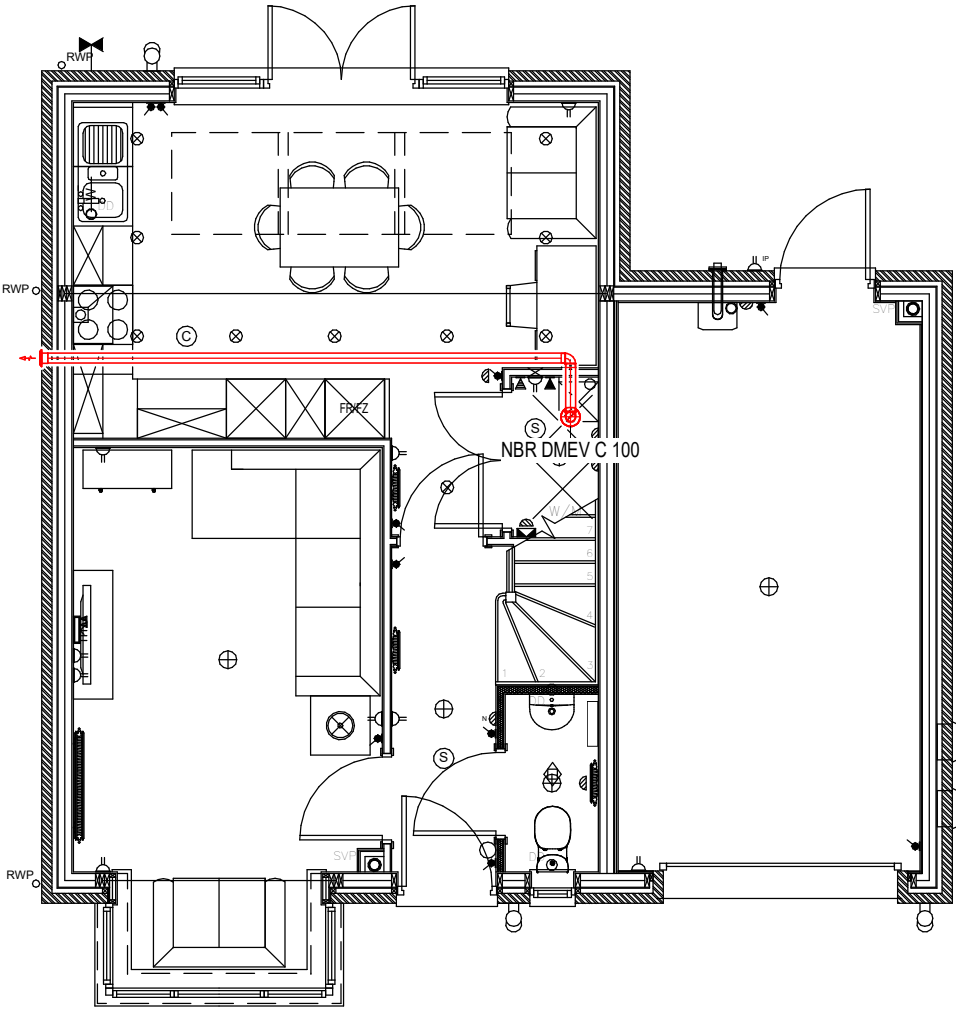
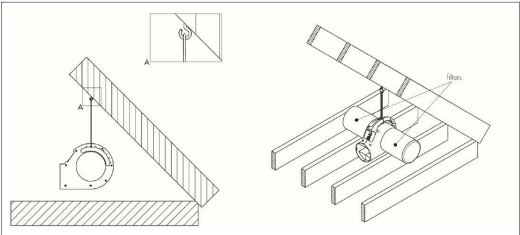
UNIT IS TO RUN AT CONTINUOUS TRICKLE WITH BOOST BEING ACTIVATED VIA A TRICKLE / BOOST CONTROLLER AND LOCAL BOOST SWITCHES (EG LIGHTS) IN ALL WET ROOMS. IF SWITCHING VIA LIGHTS, DOUBLE POLE SWITCHED OR RELAYS (E.G. VIA 42030) WILL BE REQUIRED. LOCAL SWITCHING NOT SPECIFICALLY REQUIRED FOR INTEGRAL HUMIDISTAT UNITS.

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

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Legend	
	NBR dMEVC 100
	Lo-Carbon PoziDry Pro (476310)

A	15.12.22	DKA	Revised to Comments dated 11.11.22
Rev	Date	By	Description

Vent-Axia

New Build Residential

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Fax. +44 (0)1293 539209

Project
Don Street

Drawing
ELDER 998

Date 10/17/22 Scale 1 : 75 @A3 Design Designer

Drawing No. CAS 13757 _08	Rev A
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PIV
Positive Input Ventilation (PIV) System
Vent-Axia Lo-Carbon Pozidry Pro (476310) mounted in the loft space hung from a convenient roof beam using the suspension kit provided, ensuring that the flexible ducting has gentle bends and cannot be crushed. Fused spur to be provided in the loft space. Loft space to be boarded to provide access to the unit. Vent-Axia Lo-Carbon Pozidry Pro FD (476312) to be installed on 3 storey dwellings.

- PIV Diffuser Positioning
- Diffuser to be positioned a minimum 1m of obstructions i.e. walls and smoke alarms.
 - Where the diffuser is positioned within 1m of walls and smoke alarms it has provisions to blank off the the airflow for upto two quadrants of the diffuser.
 - When the quadrants are blanked the open sides must be a minimum 1.5m away from the smoke alarms and 1m away from walls.
 - On 3 storey dwellings the diffuser supplied with the Vent-Axia Lo-Carbon Pozidry Pro FD (476311) is a metal diffuser.

- PIV Flow of Air
- Clearances under doors should be a minimum 10mm from floor finish to ensure adequate airflow.
 - On 3 storey dwellings with fire doors a transmittal vent should be installed to ensure adequate airflow (supplied by others). **
 - Kitchens and wet rooms that are not accessible from the central hallway / landing will require an additional continuous running extract fan Vent-Axia Lo-Carbon NBRDMEV (475142) to be installed to ensure adequate airflow.

NOTES:

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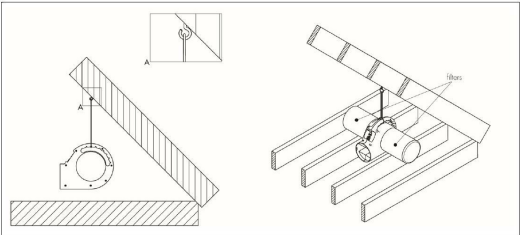
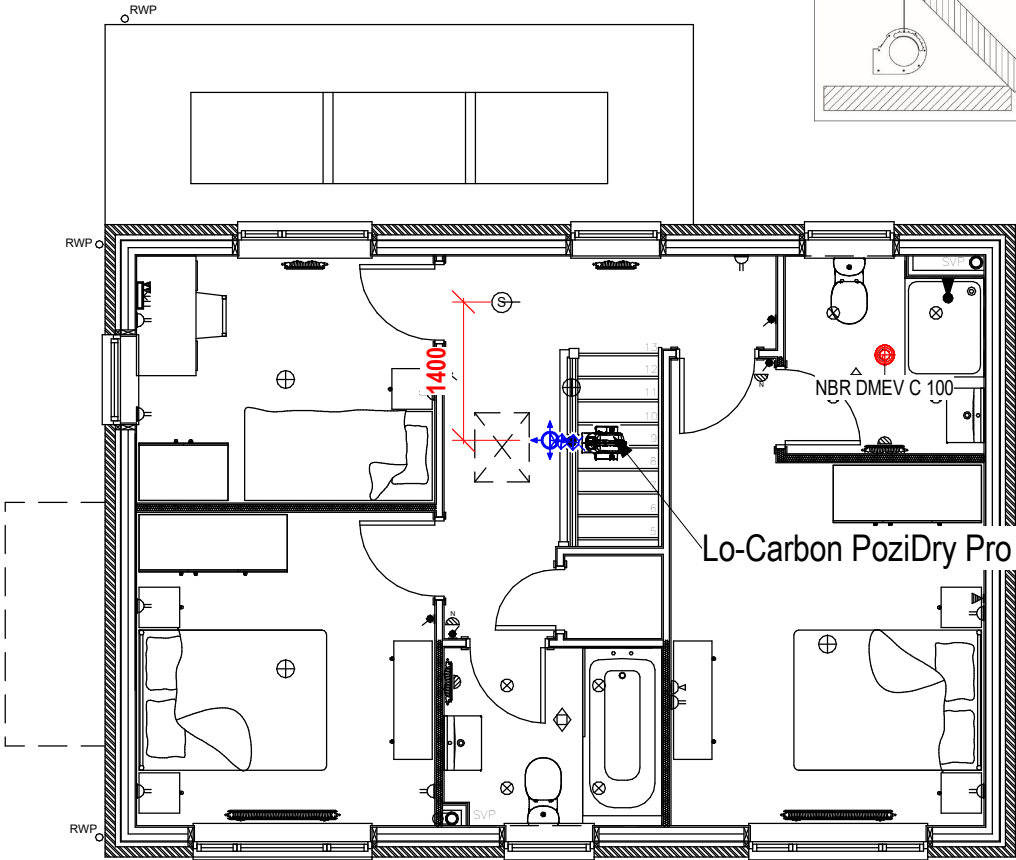
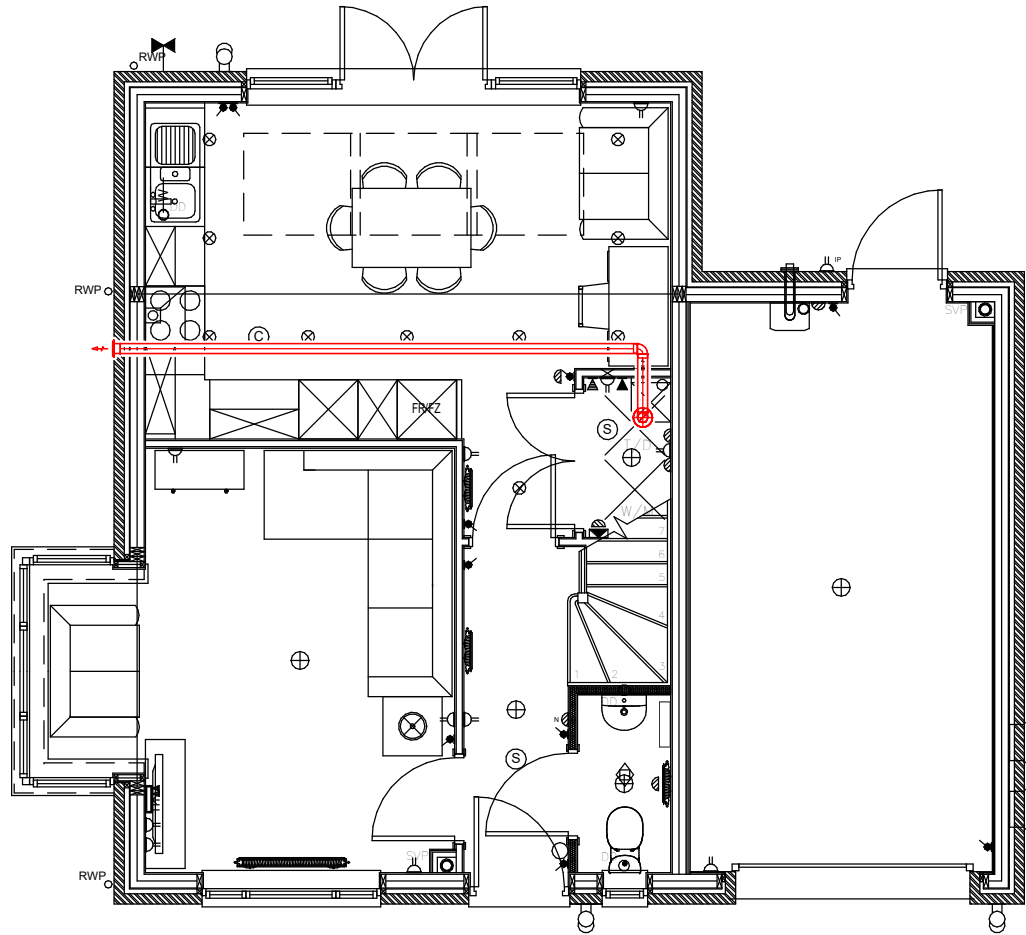
UNIT IS TO RUN AT CONTINUOUS TRICKLE WITH BOOST BEING ACTIVATED VIA A TRICKLE / BOOST CONTROLLER AND LOCAL BOOST SWITCHES (EG LIGHTS) IN ALL WET ROOMS. IF SWITCHING VIA LIGHTS, DOUBLE POLE SWITCHED OR RELAYS (E.G. VIA 42030) WILL BE REQUIRED. LOCAL SWITCHING NOT SPECIFICALLY REQUIRED FOR INTEGRAL HUMIDISTAT UNITS.

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A	15.12.22	DKA	Revised to Comments dated 11.11.22
Rev	Date	By	Description

Vent-Axia

New Build Residential

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

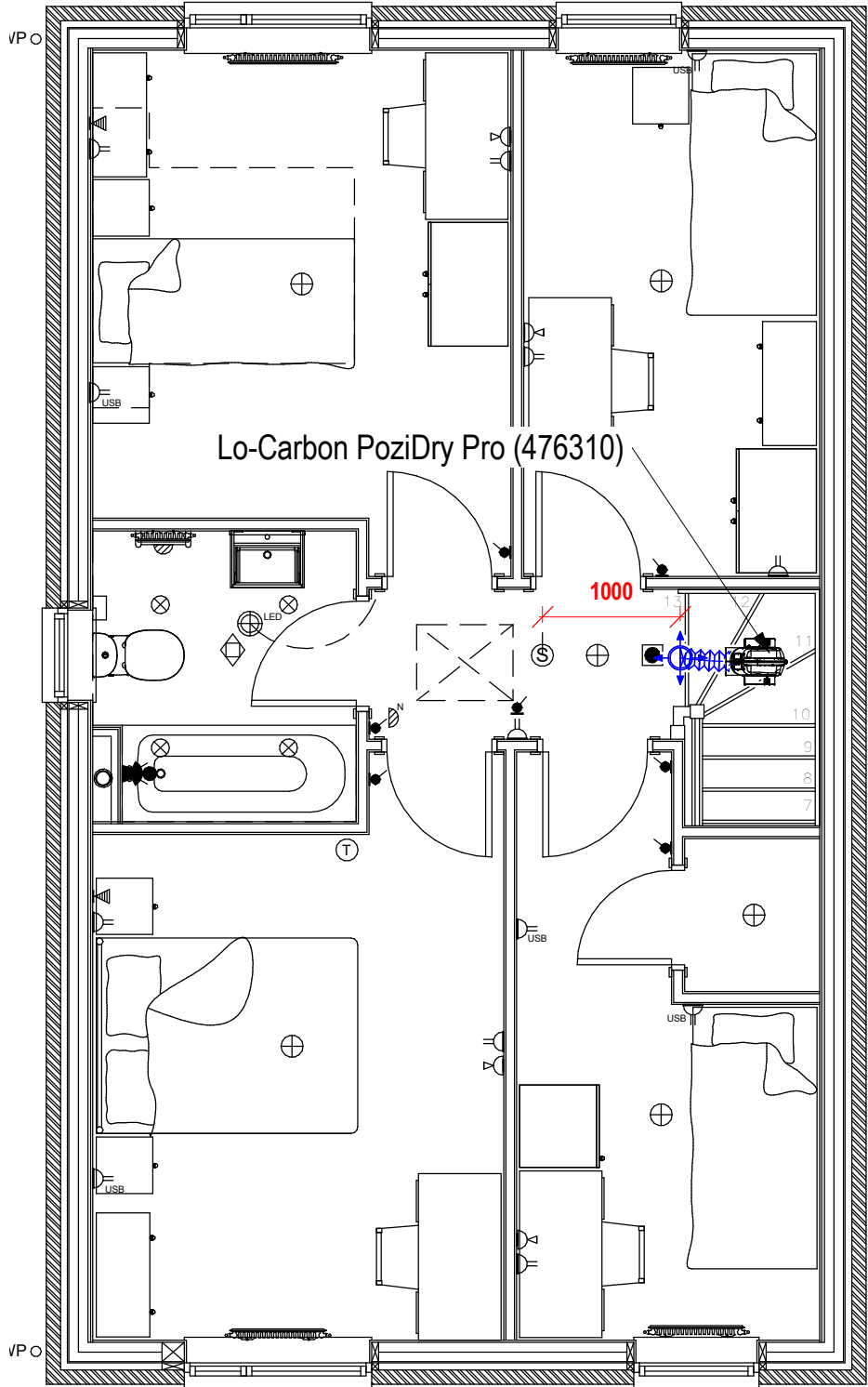
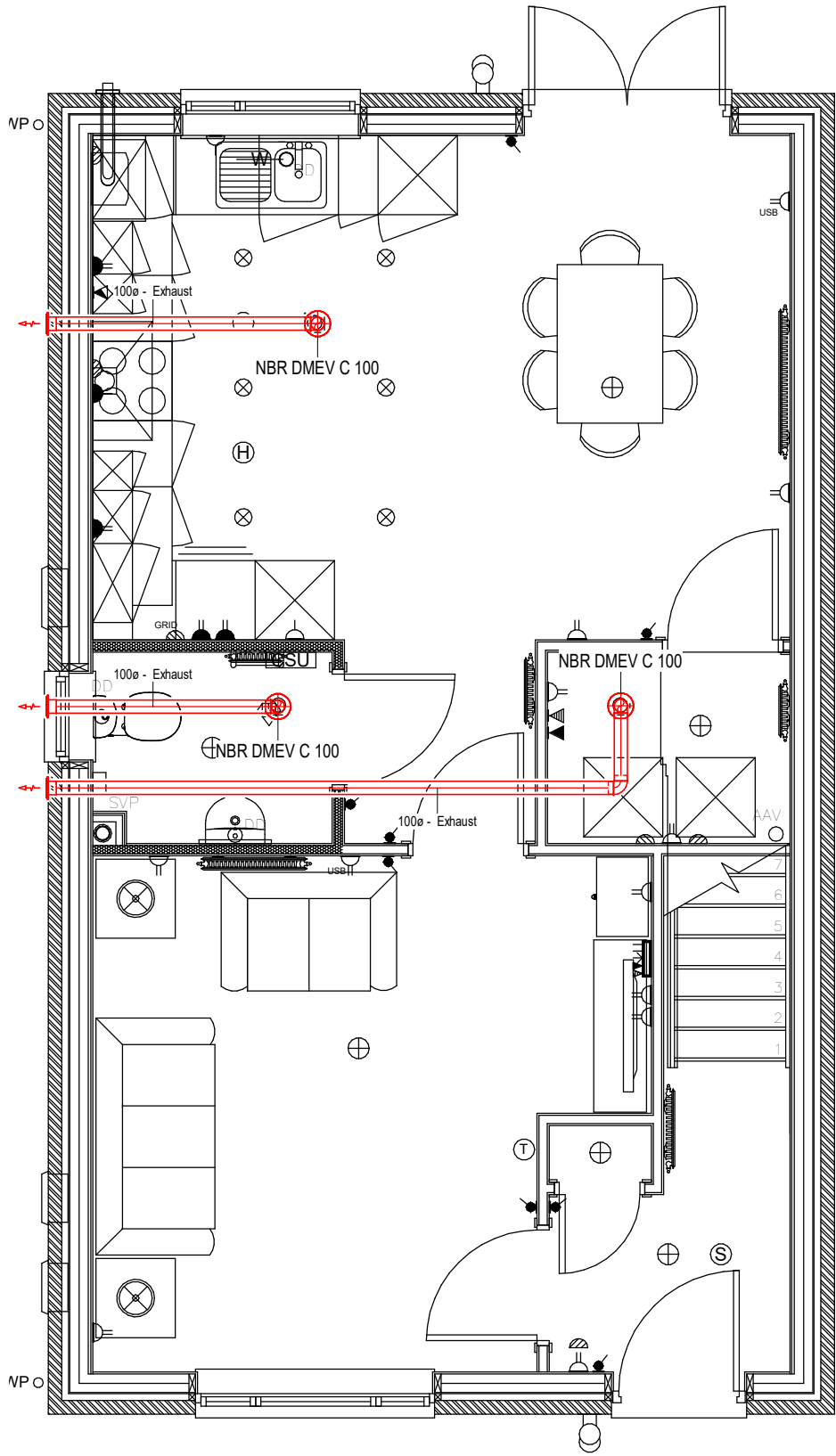
Project
Don Street

Drawing
ELDER CT 998

Date 10/17/22 Scale 1 : 75 @A3 Design Designer

Drawing No. CAS 13757 _09	Rev A
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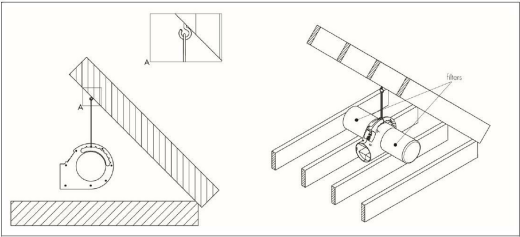
Legend	
	NBR dMEVC 100
	Lo-Carbon Pozidry Pro (476310)



PIV
Positive Input Ventilation (PIV) System
Vent-Axia Lo-Carbon Pozidry Pro (476310) mounted in the loft space hung from a convenient roof beam using the suspension kit provided, ensuring that the flexible ducting has gentle bends and cannot be crushed. Fused spur to be provided in the loft space. Loft space to be boarded to provide access to the unit. Vent-Axia Lo-Carbon Pozidry Pro FD (476312) to be installed on 3 storey dwellings.

- PIV Diffuser Positioning
- Diffuser to be positioned a minimum 1m of obstructions i.e. walls and smoke alarms.
 - Where the diffuser is positioned within 1m of walls and smoke alarms it has provisions to blank off the the airflow for upto two quadrants of the diffuser.
 - When the quadrants are blanked the open sides must be a minimum 1.5m away from the smoke alarms and 1m away from walls.
 - On 3 storey dwellings the diffuser supplied with the Vent-Axia Lo-Carbon Pozidry Pro FD (476311) is a metal diffuser.

- PIV Flow of Air
- Clearances under doors should be a minimum 10mm from floor finish to ensure adequate airflow.
 - On 3 storey dwellings with fire doors a transmittal vent should be installed to ensure adequate airflow (supplied by others). **
 - Kitchens and wet rooms that are not accessible from the central hallway / landing will require an additional continuous running extract fan Vent-Axia Lo-Carbon NBRDMEV (475142) to be installed to ensure adequate airflow.



NOTES:

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EXHAUST AND INTAKE DUCTING TO AND FROM ATMOSPHERE AND ALL DUCTING IN COLD ROOF SPACE TO BE DUCTED VIA FULLY INSULATED RIGID PLASTIC DUCTING TO EXTERNAL TERMINATIONS (INSTALLED BY OTHER).

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 INTEGRA PLUS. 10,000mm² FOR ANY OTHER SYSTEM AT THE TERMINALS TIGHTEST POINT.

Legend	
	NBR dMEVC 100
	Lo-Carbon Pozidry Pro (476310)

A	15.12.22	DKA	Revised to Comments dated 11.11.22
Rev	Date	By	Description

Vent-Axia

New Build Residential

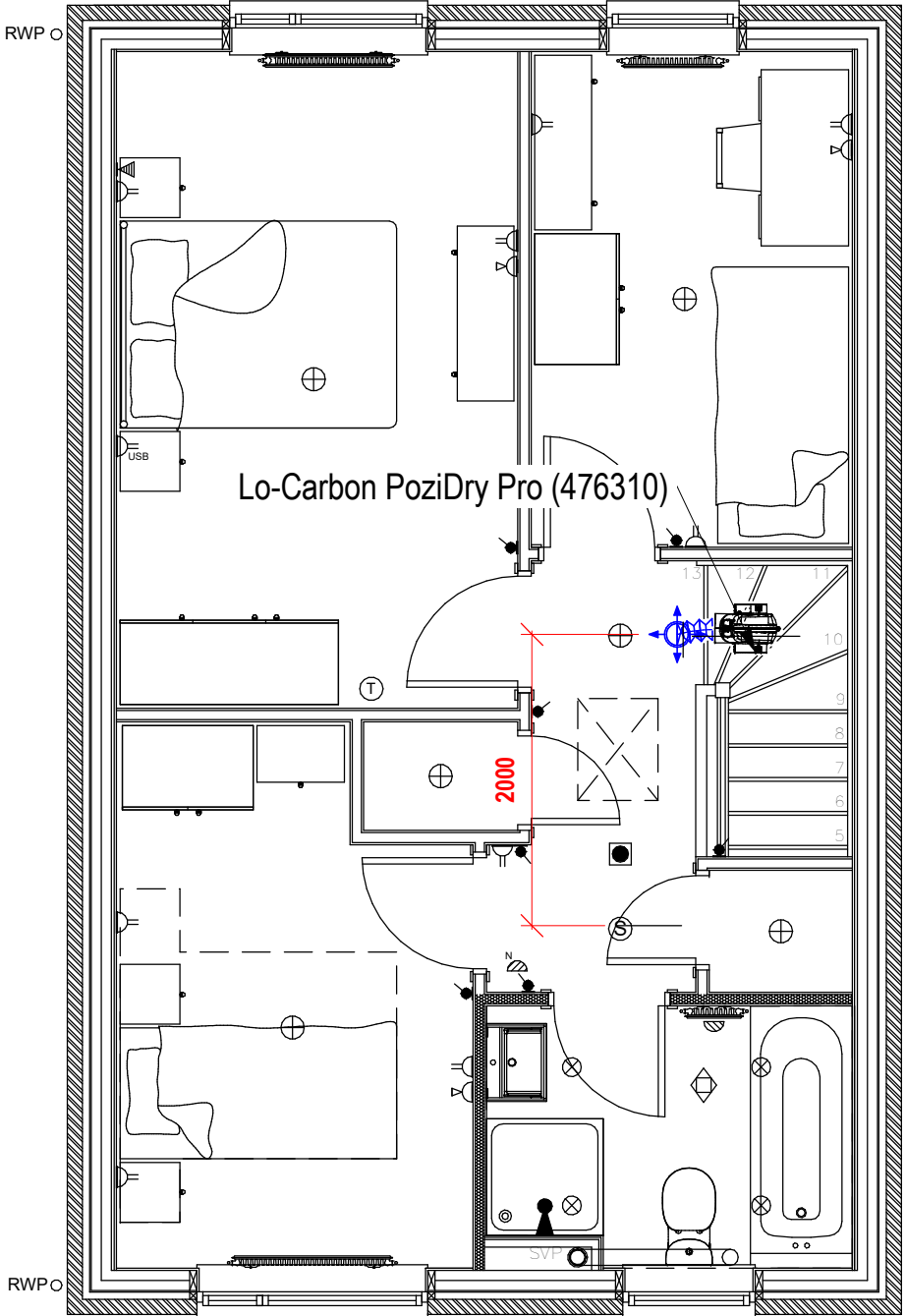
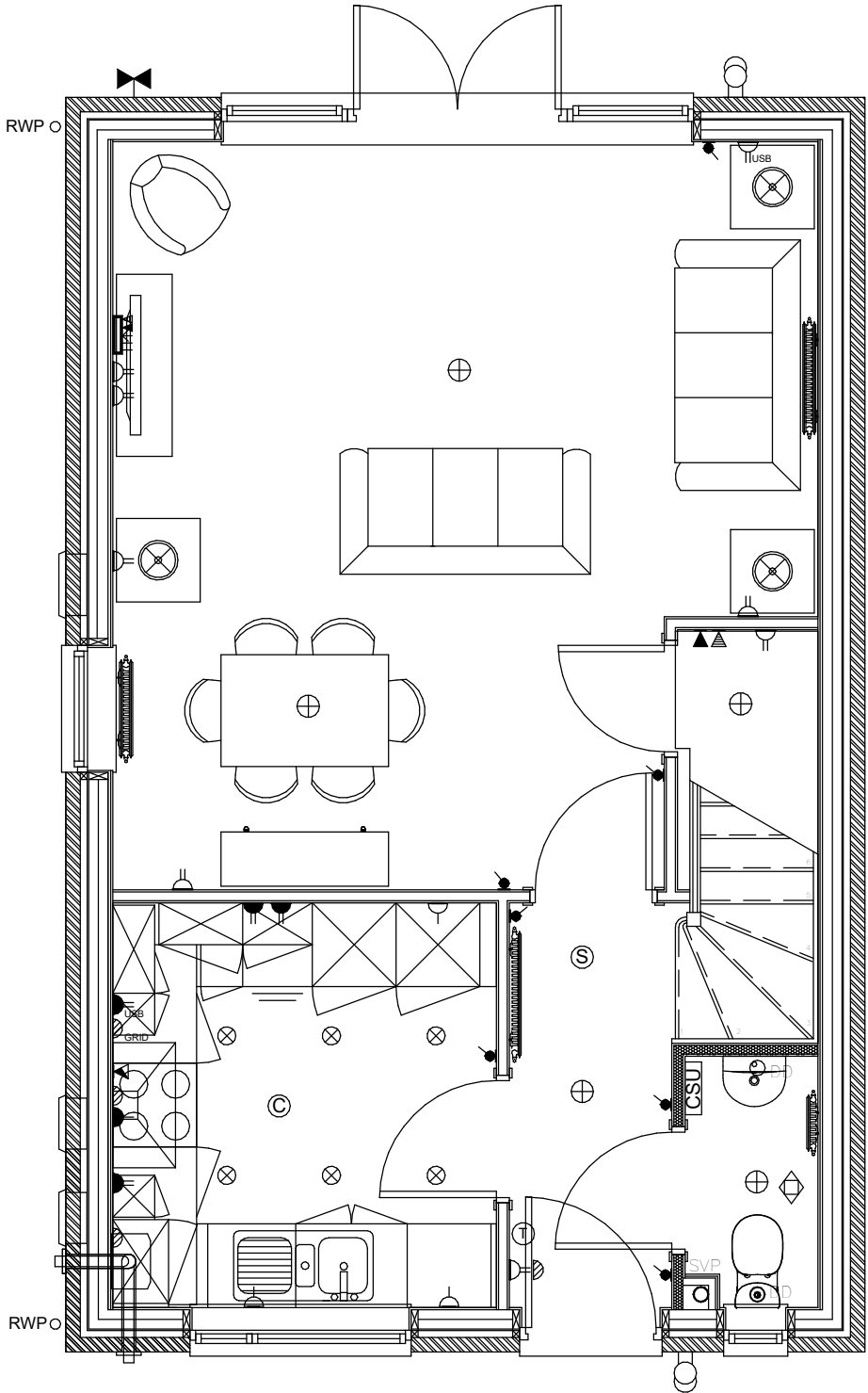
Fleming Way, Crawley West
Sussex
Tel. +44(0)1293 441520
Fax. +44 (0)1293 539209

Project
Don Street

Drawing
EMERSON 1064

Date 10/17/22 Scale 1 : 50 @A3 Design Designer

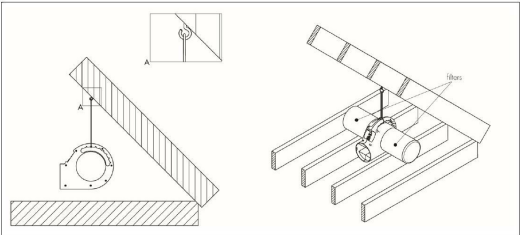
Drawing No. CAS 13757 _10	Rev A
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PIV
Positive Input Ventilation (PIV) System
Vent-Axia Lo-Carbon PoziDry Pro (476310) mounted in the loft space hung from a convenient roof beam using the suspension kit provided, ensuring that the flexible ducting has gentle bends and cannot be crushed. Fused spur to be provided in the loft space. Loft space to be boarded to provide access to the unit. Vent-Axia Lo-Carbon PoziDry Pro FD (476312) to be installed on 3 storey dwellings.

- PIV Diffuser Positioning
- Diffuser to be positioned a minimum 1m of obstructions i.e. walls and smoke alarms.
 - Where the diffuser is positioned within 1m of walls and smoke alarms it has provisions to blank off the the airflow for upto two quadrants of the diffuser.
 - When the quadrants are blanked the open sides must be a minimum 1.5m away from the smoke alarms and 1m away from walls.
 - On 3 storey dwellings the diffuser supplied with the Vent-Axia Lo-Carbon PoziDry Pro FD (476311) is a metal diffuser.

- PIV Flow of Air
- Clearances under doors should be a minimum 10mm from floor finish to ensure adequate airflow.
 - On 3 storey dwellings with fire doors a transmittal vent should be installed to ensure adequate airflow (supplied by others). **
 - Kitchens and wet rooms that are not accessible from the central hallway / landing will require an additional continuous running extract fan Vent-Axia Lo-Carbon NBRDMEV (475142) to be installed to ensure adequate airflow.



NOTES:

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

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A	15.12.22	DKA	Revised to Comments dated 11.11.22
Rev	Date	By	Description

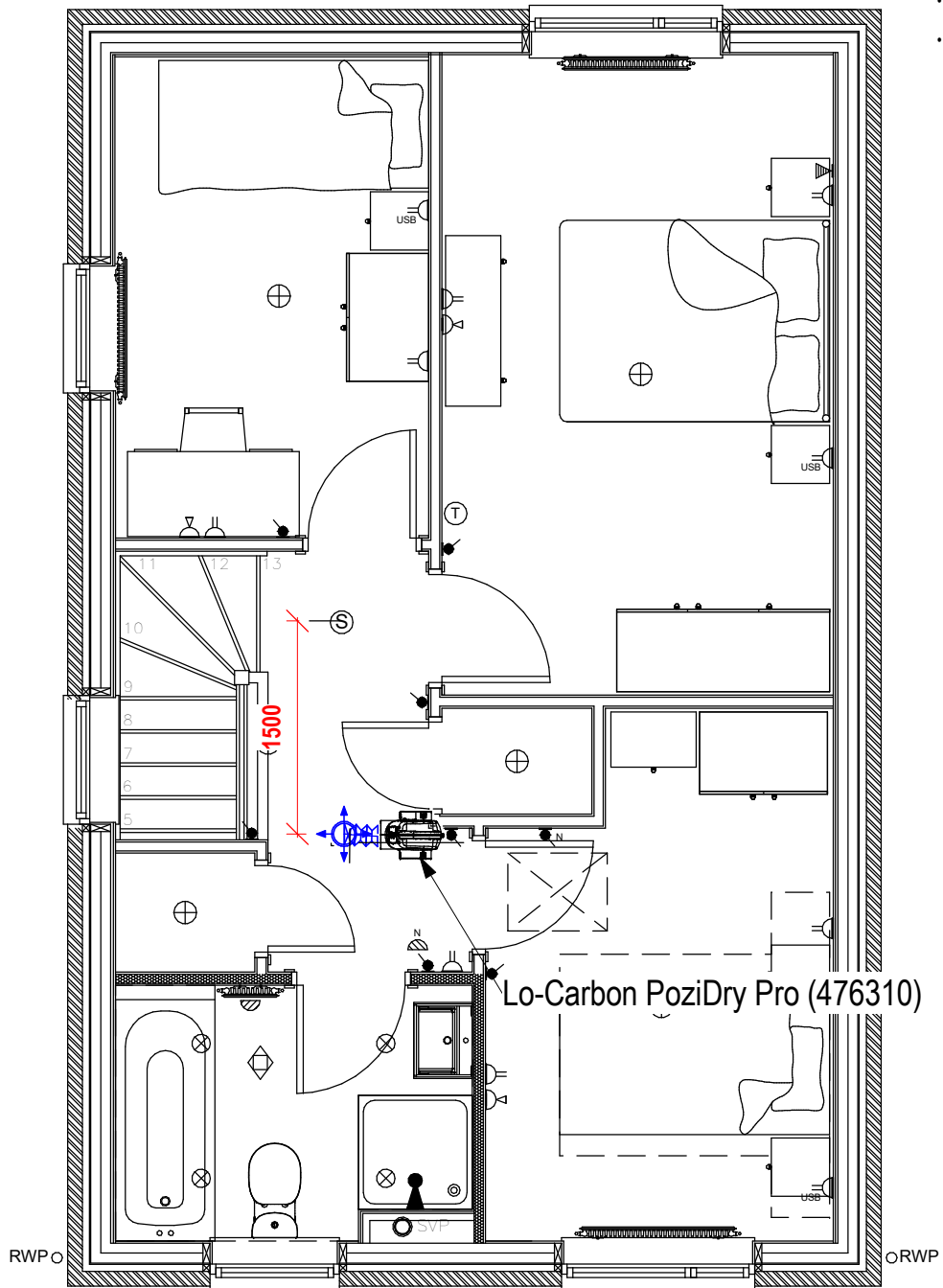
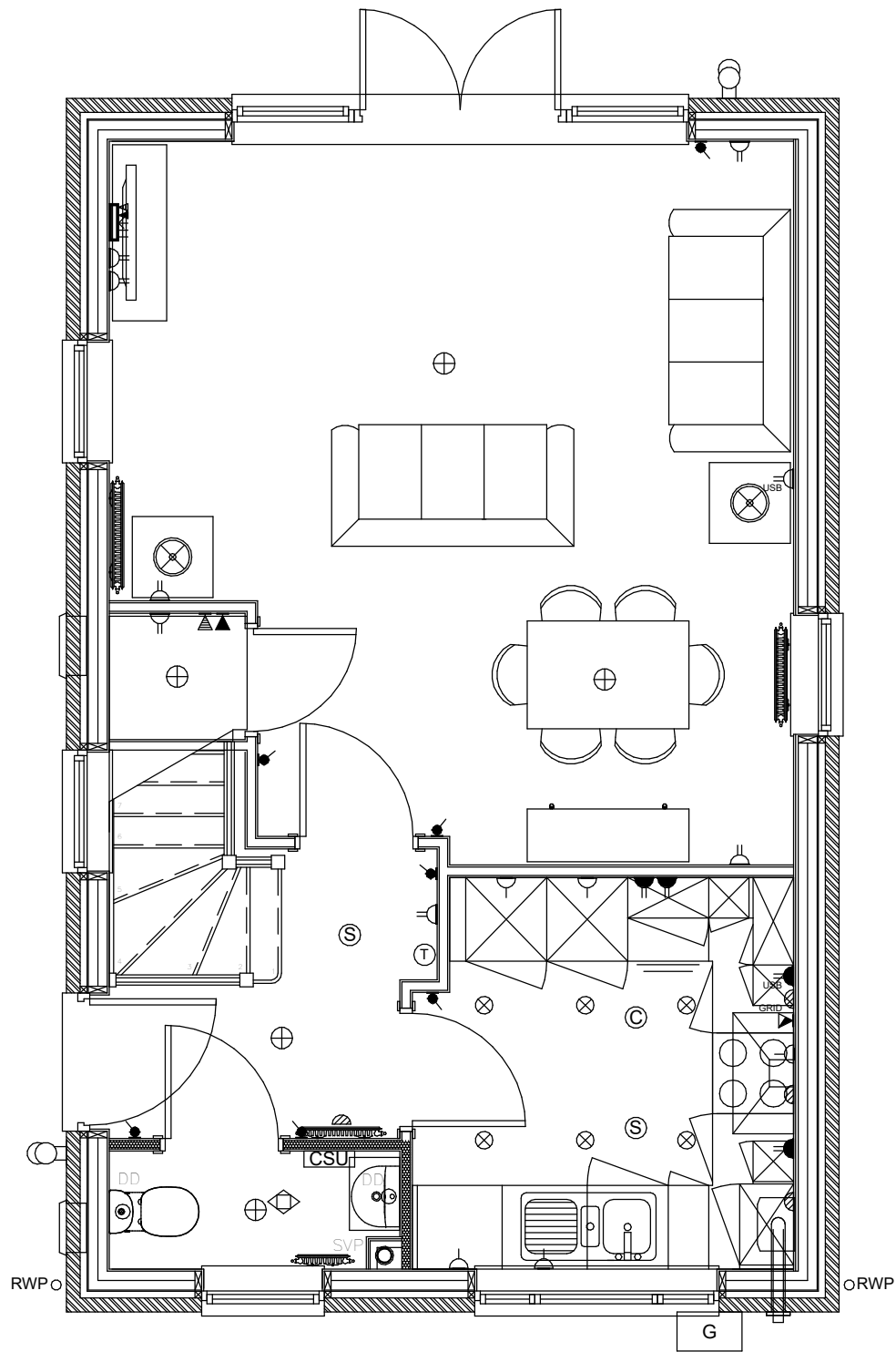
Vent-Axia

New Build Residential

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

Project
Don Street
Drawing
GARTH 908
Date
10/17/22
Scale
1 : 50 @A3
Design
Designer
Drawing No.
CAS 13757 _11
Rev
A

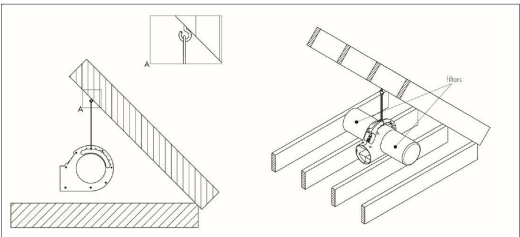
Legend	
	Lo-Carbon PoziDry Pro (476310)



PIV
Positive Input Ventilation (PIV) System
Vent-Axia Lo-Carbon Pozidry Pro (476310) mounted in the loft space hung from a convenient roof beam using the suspension kit provided, ensuring that the flexible ducting has gentle bends and cannot be crushed. Fused spur to be provided in the loft space. Loft space to be boarded to provide access to the unit. Vent-Axia Lo-Carbon Pozidry Pro FD (476312) to be installed on 3 storey dwellings.

- PIV Diffuser Positioning
- Diffuser to be positioned a minimum 1m of obstructions i.e. walls and smoke alarms.
 - Where the diffuser is positioned within 1m of walls and smoke alarms it has provisions to blank off the the airflow for upto two quadrants of the diffuser.
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- PIV Flow of Air
- Clearances under doors should be a minimum 10mm from floor finish to ensure adequate airflow.
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A	15.12.22	DKA	Revised to Comments dated 11.11.22
Rev	Date	By	Description

Vent-Axia

New Build Residential

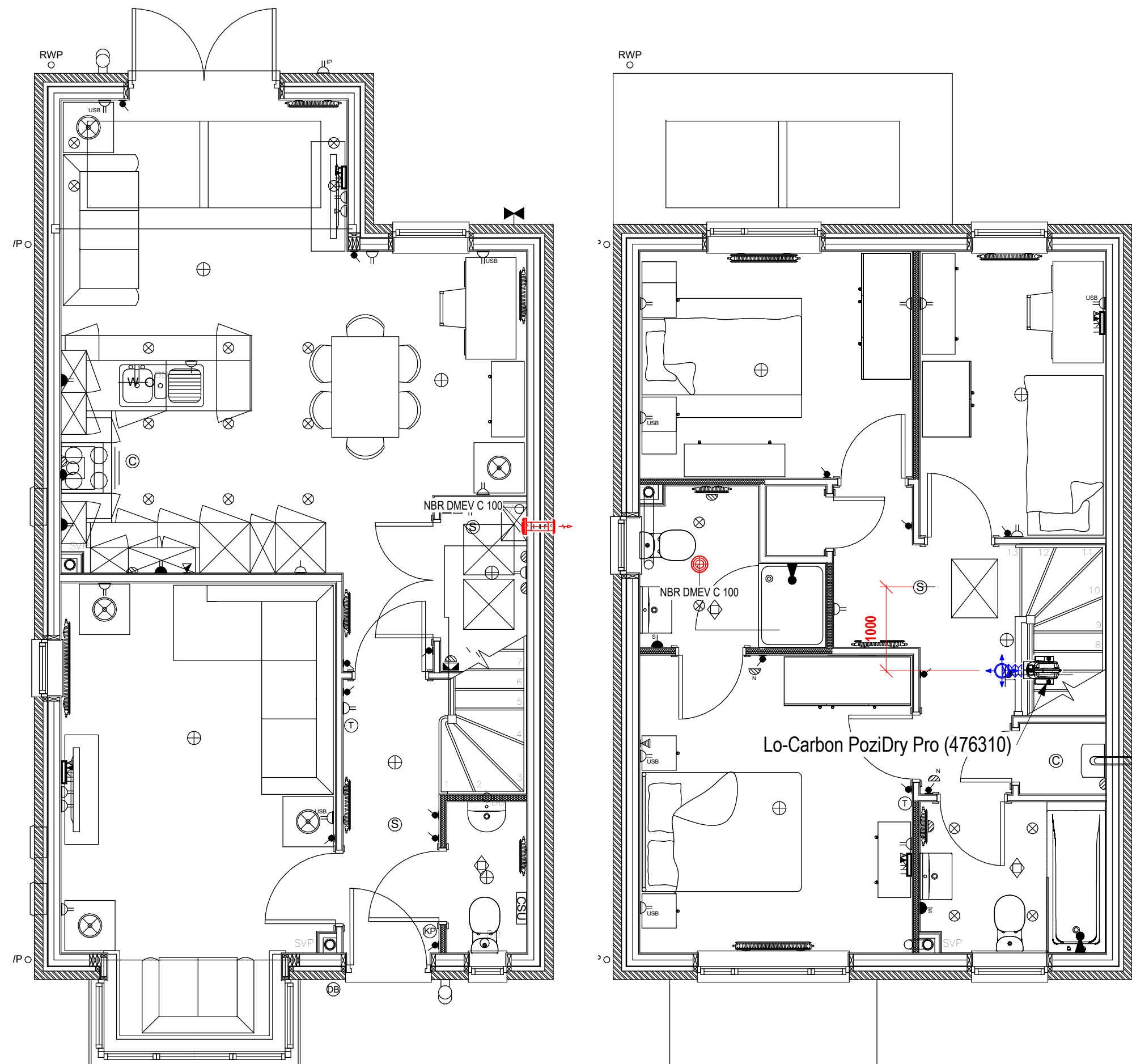
Fleming Way, Crawley West
Sussex
Tel. +44(0)1293 441520
Fax. +44 (0)1293 539209

Project
Don Street
Drawing
GORM 912

Date 10/17/22 Scale 1 : 50 @A3 Design Designer

Drawing No. CAS 13757 _12	Rev A
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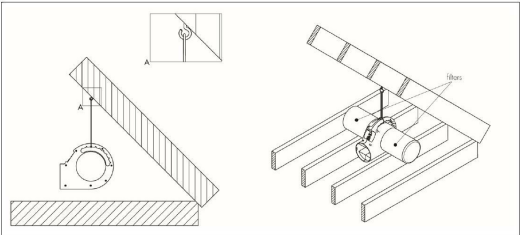
Legend	
	Lo-Carbon Pozidry Pro (476310)



PIV
Positive Input Ventilation (PIV) System
Vent-Axia Lo-Carbon Pozidry Pro (476310) mounted in the loft space hung from a convenient roof beam using the suspension kit provided, ensuring that the flexible ducting has gentle bends and cannot be crushed. Fused spur to be provided in the loft space. Loft space to be boarded to provide access to the unit. Vent-Axia Lo-Carbon Pozidry Pro FD (476312) to be installed on 3 storey dwellings.

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- Diffuser to be positioned a minimum 1m of obstructions i.e. walls and smoke alarms.
 - Where the diffuser is positioned within 1m of walls and smoke alarms it has provisions to blank off the the airflow for upto two quadrants of the diffuser.
 - When the quadrants are blanked the open sides must be a minimum 1.5m away from the smoke alarms and 1m away from walls.
 - On 3 storey dwellings the diffuser supplied with the Vent-Axia Lo-Carbon Pozidry Pro FD (476311) is a metal diffuser.

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- Clearances under doors should be a minimum 10mm from floor finish to ensure adequate airflow.
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A	15.12.22	DKA	Revised to Comments dated 11.11.22
Rev	Date	By	Description

Vent-Axia

New Build Residential

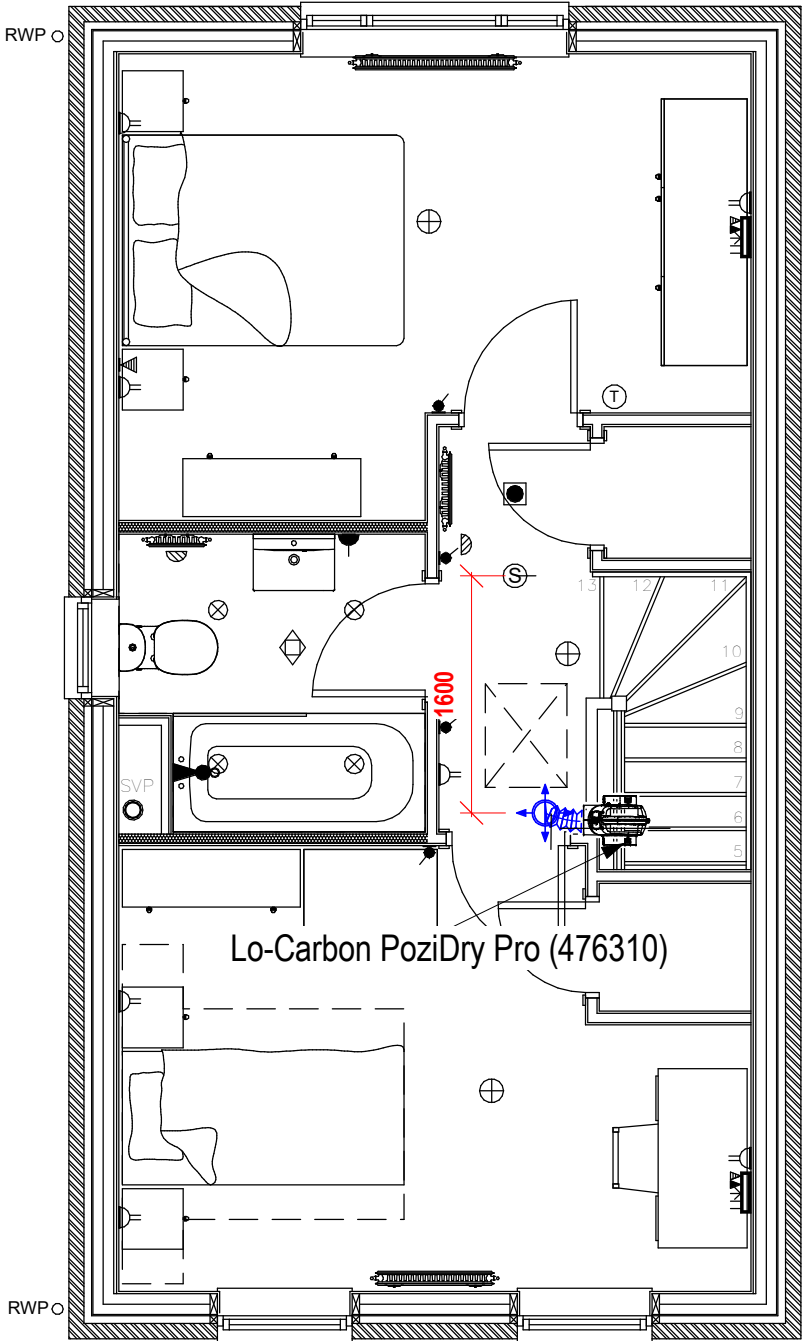
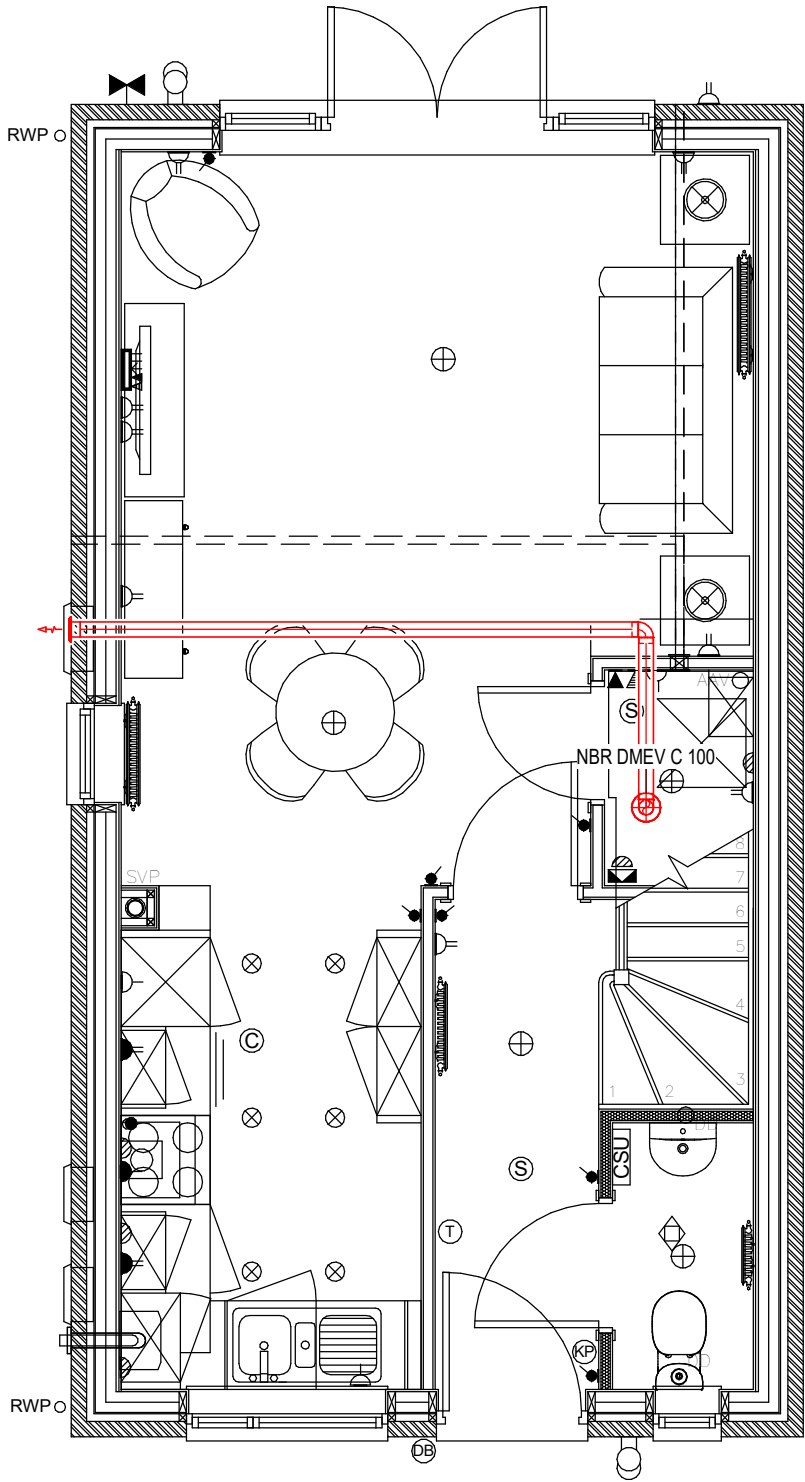
Fleming Way, Crawley West
Sussex
Tel. +44(0)1293 441520
Fax. +44 (0)1293 539209

Project
Don Street
Drawing
HAZEL 1082
Date
10/17/22
Scale
1 : 50 @A3
Design
Designer

Drawing No. CAS 13757 _13	Rev A
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Legend	
	NBR dMEVC 100
	Lo-Carbon Pozidry Pro (476310)

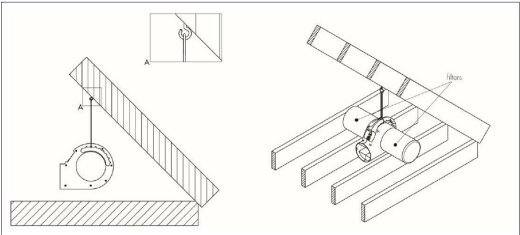
*DRAWING ONLY TO BE USED FOR THE PURPOSE OF VENTILATION INSTALLATION



PIV
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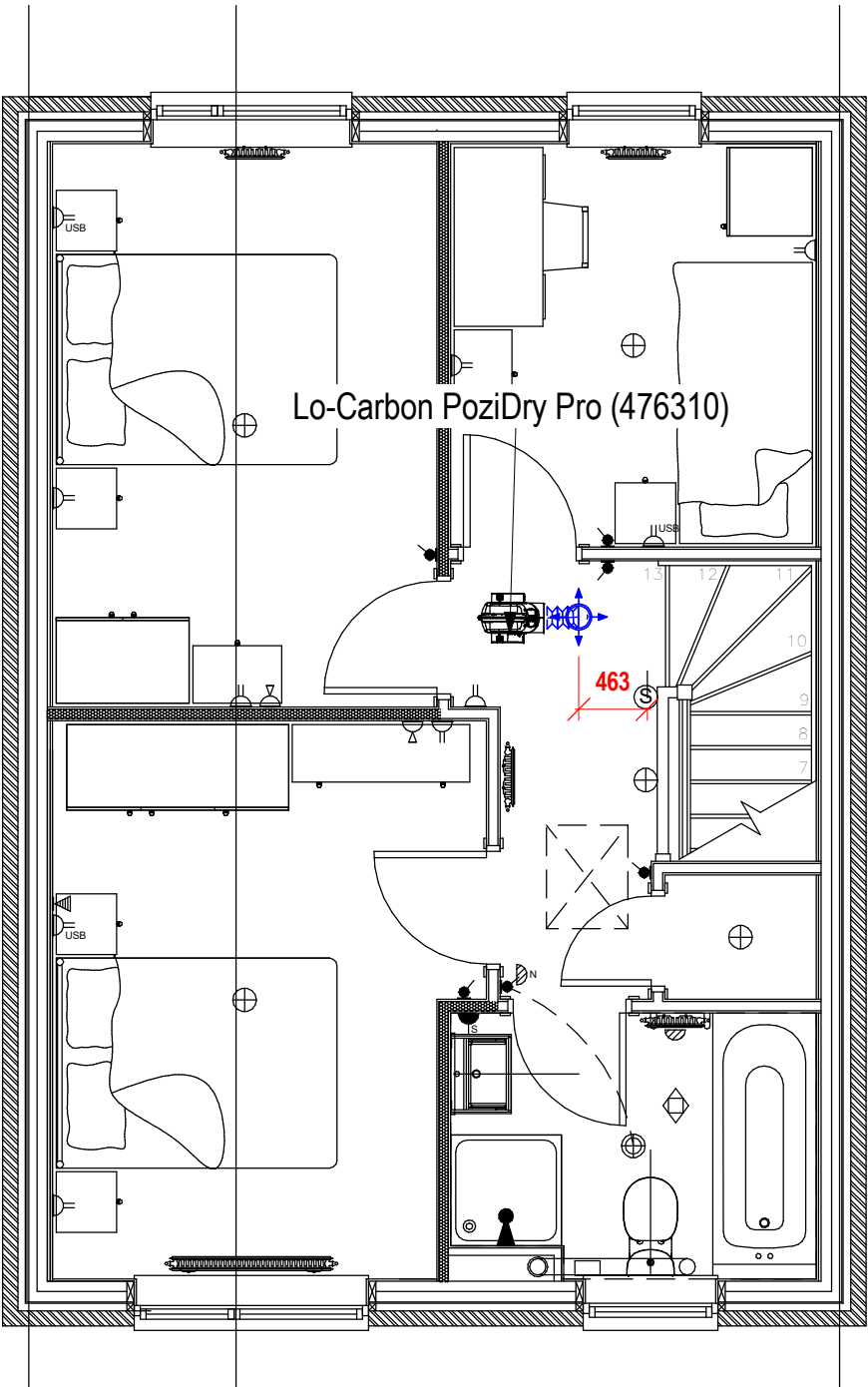
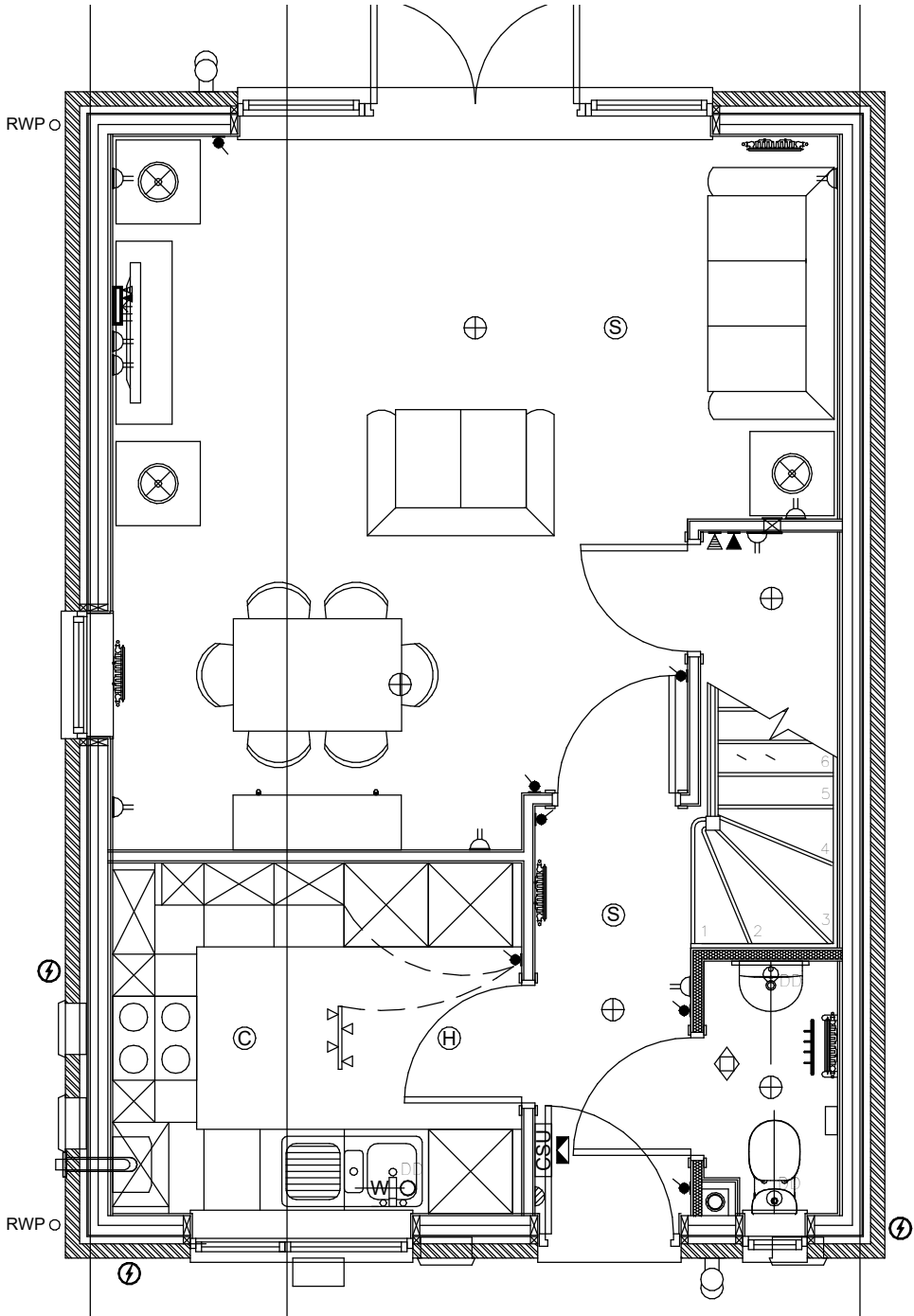
Vent-Axia

New Build Residential

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

Project
Don Street
Drawing
HICKORY 767
Date 10/17/22 Scale 1 : 50 @A3 Design Designer
Drawing No. CAS 13757 _14 Rev A

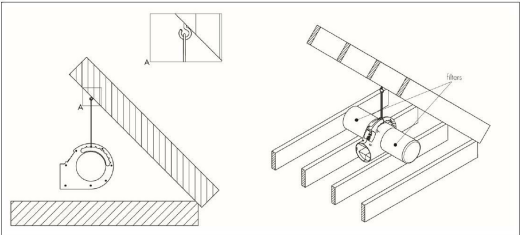
Legend	
	NBR dMEVC 100
	Lo-Carbon Pozidry Pro (476310)



PIV
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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
Don Street

Drawing
KATRINE 854

Date 10/17/22 Scale 1 : 50 @A3 Design Designer

Drawing No. CAS 13757 _15	Rev A
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Legend	
	Lo-Carbon Pozidry Pro (476310)

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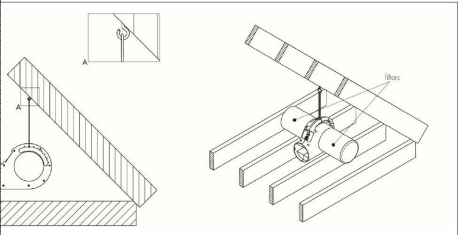
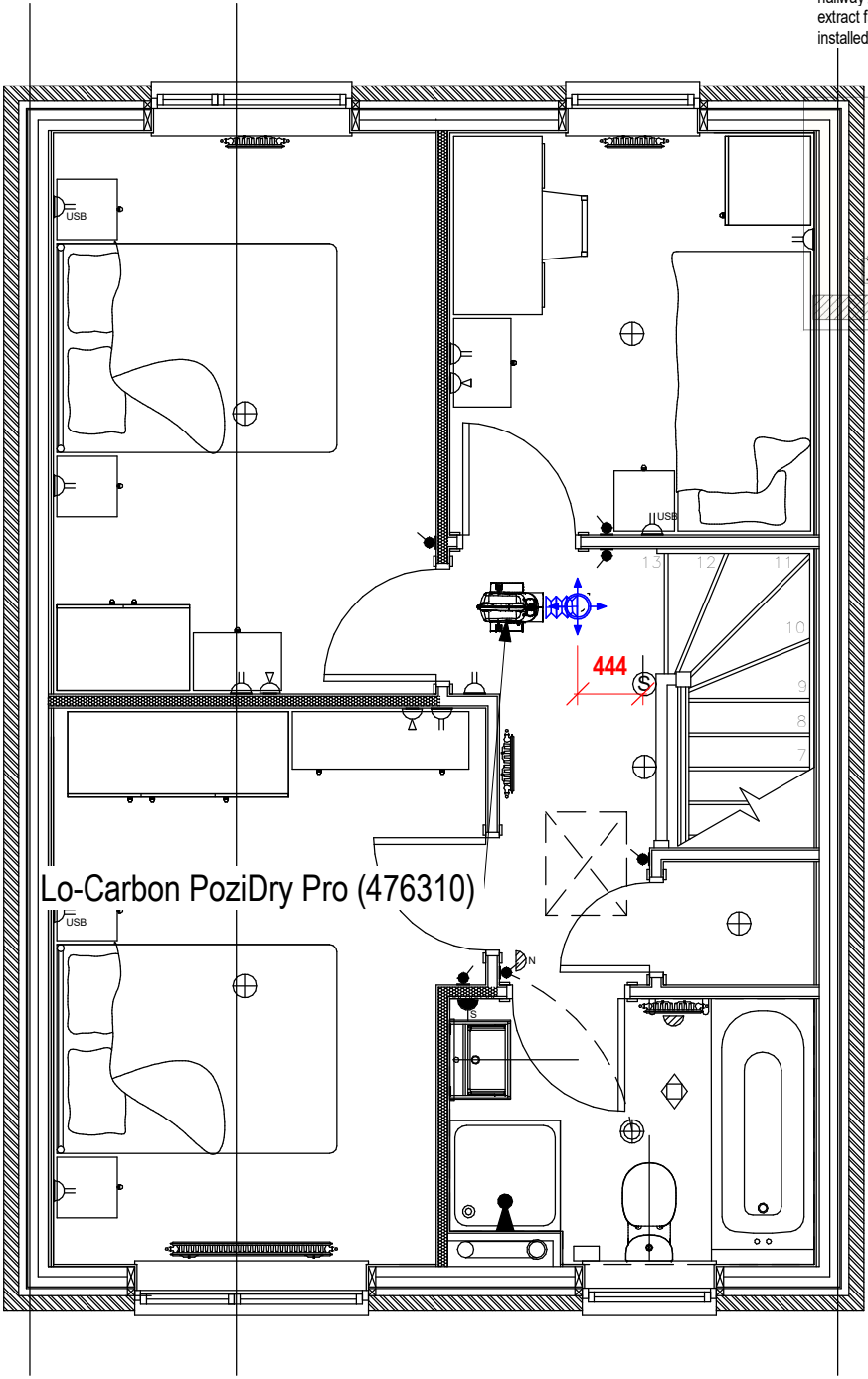
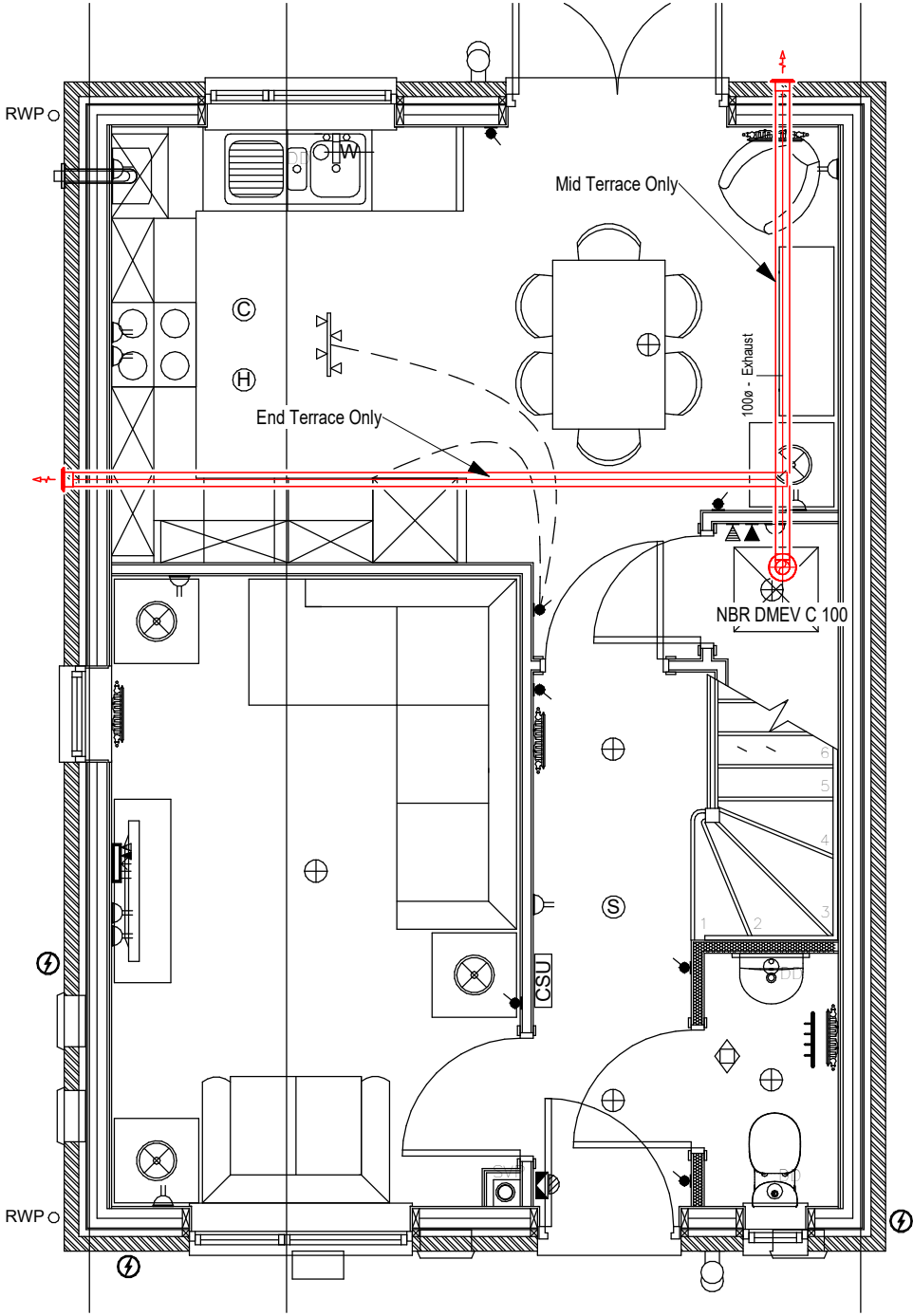
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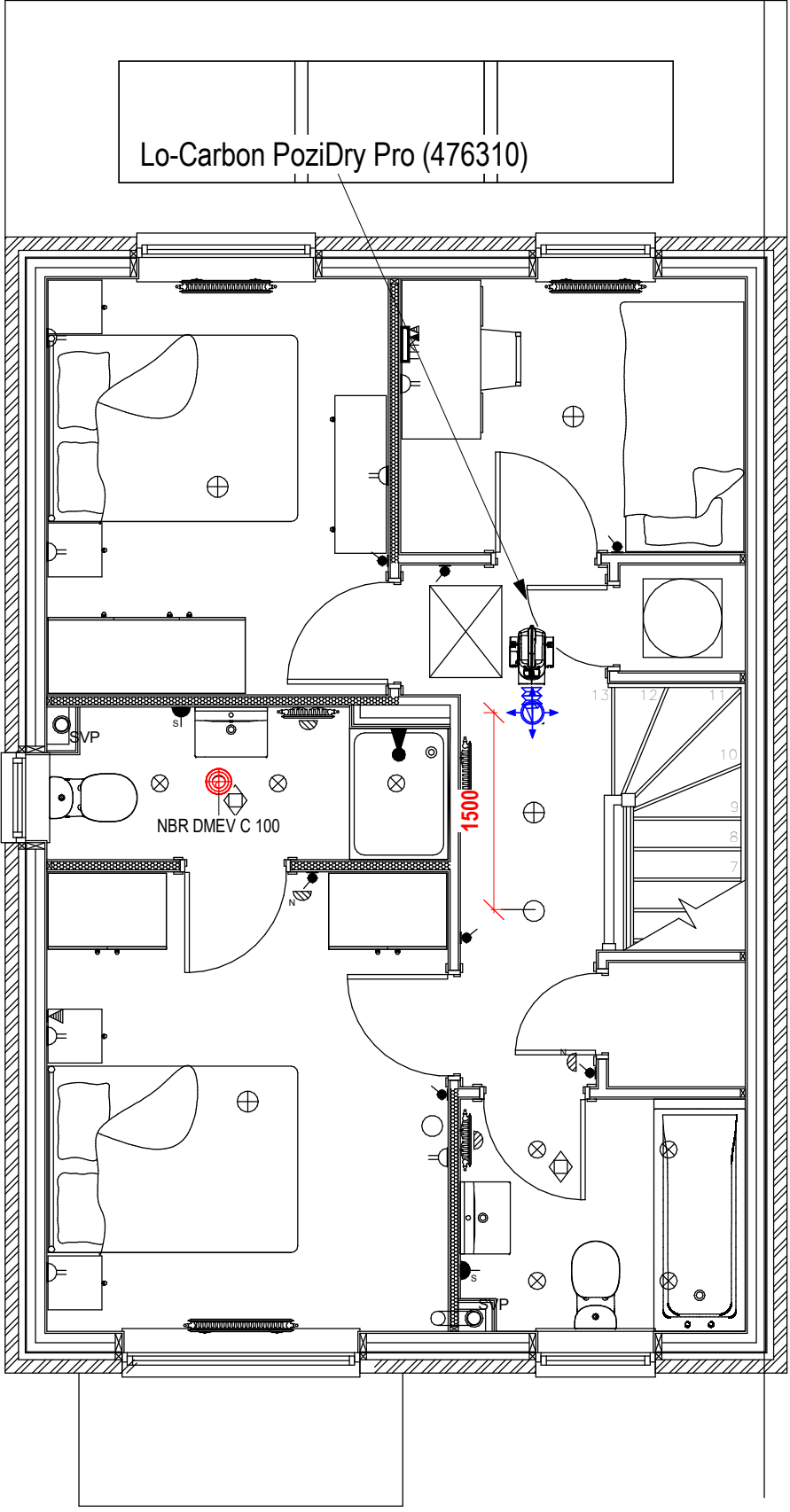
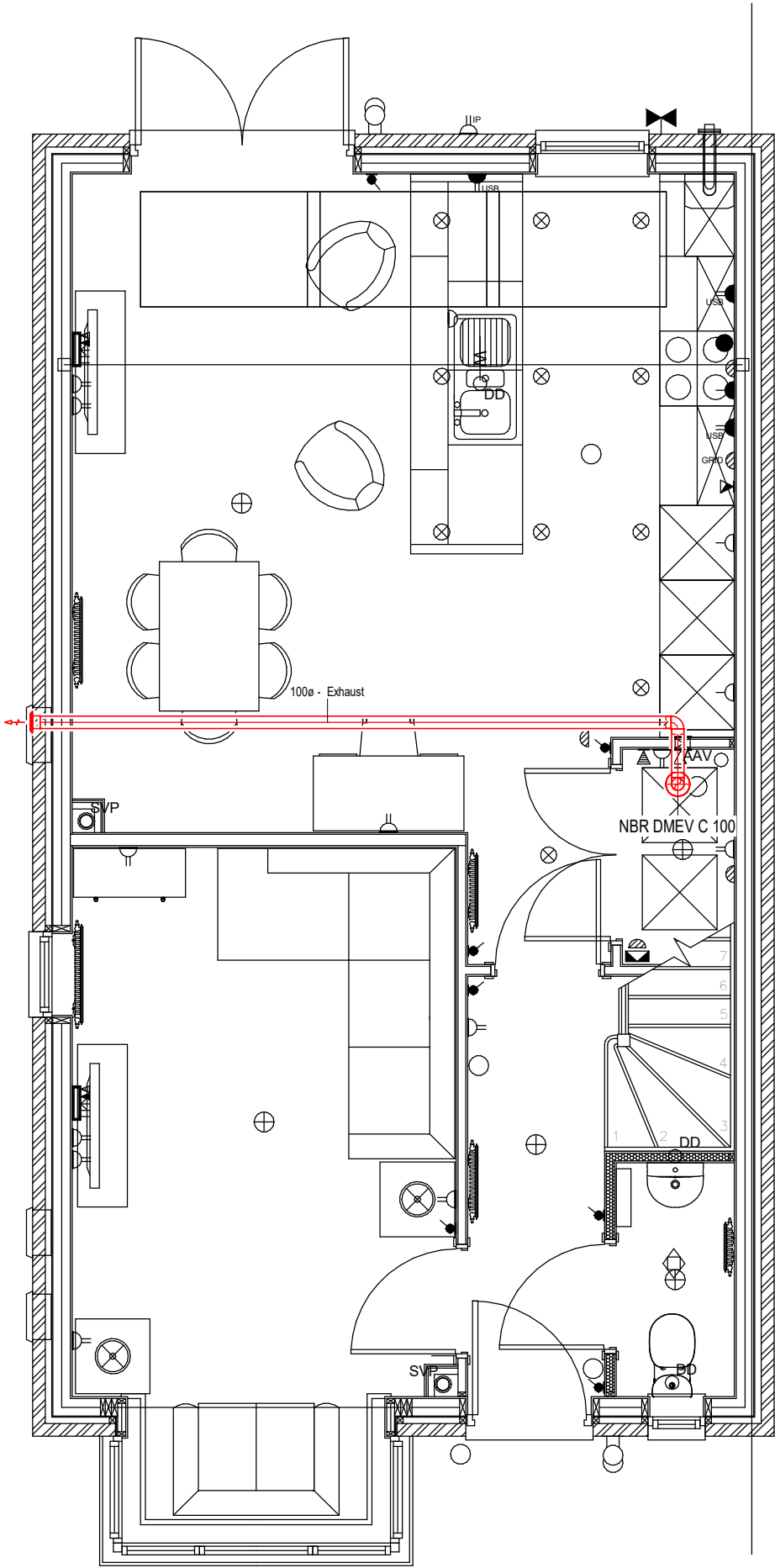
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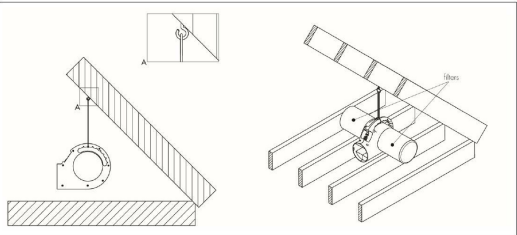




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Rev	Date	By	Description

Vent-Axia

New Build Residential

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

Project
Don Street
Drawing
LAUREL 1036
Date
10/17/22
Scale
1 : 50 @A3
Design
Designer
Drawing No.
CAS 13757 _17
Rev
A

Legend	
	NBR dMEVC 100
	Lo-Carbon PoziDry Pro (476310)

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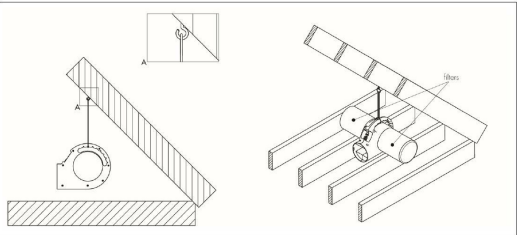
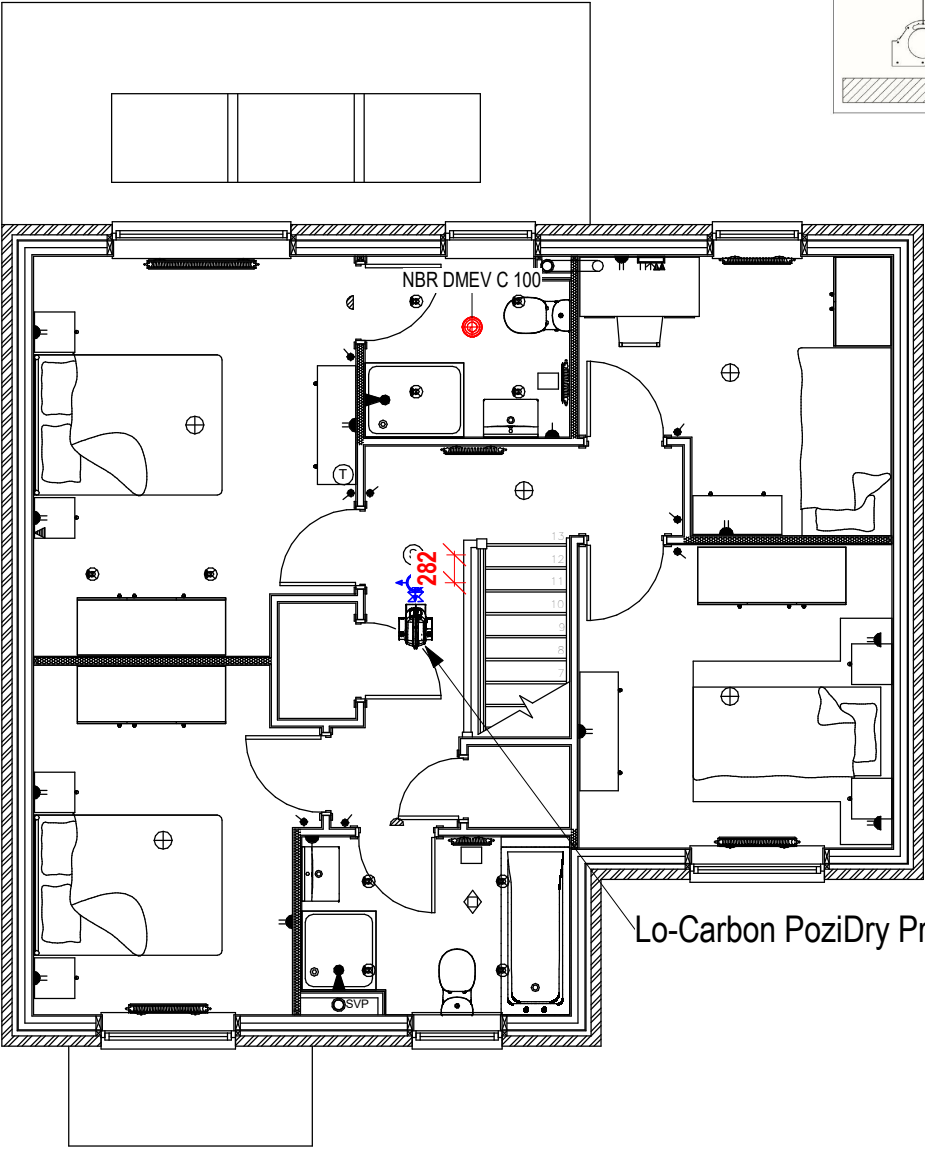
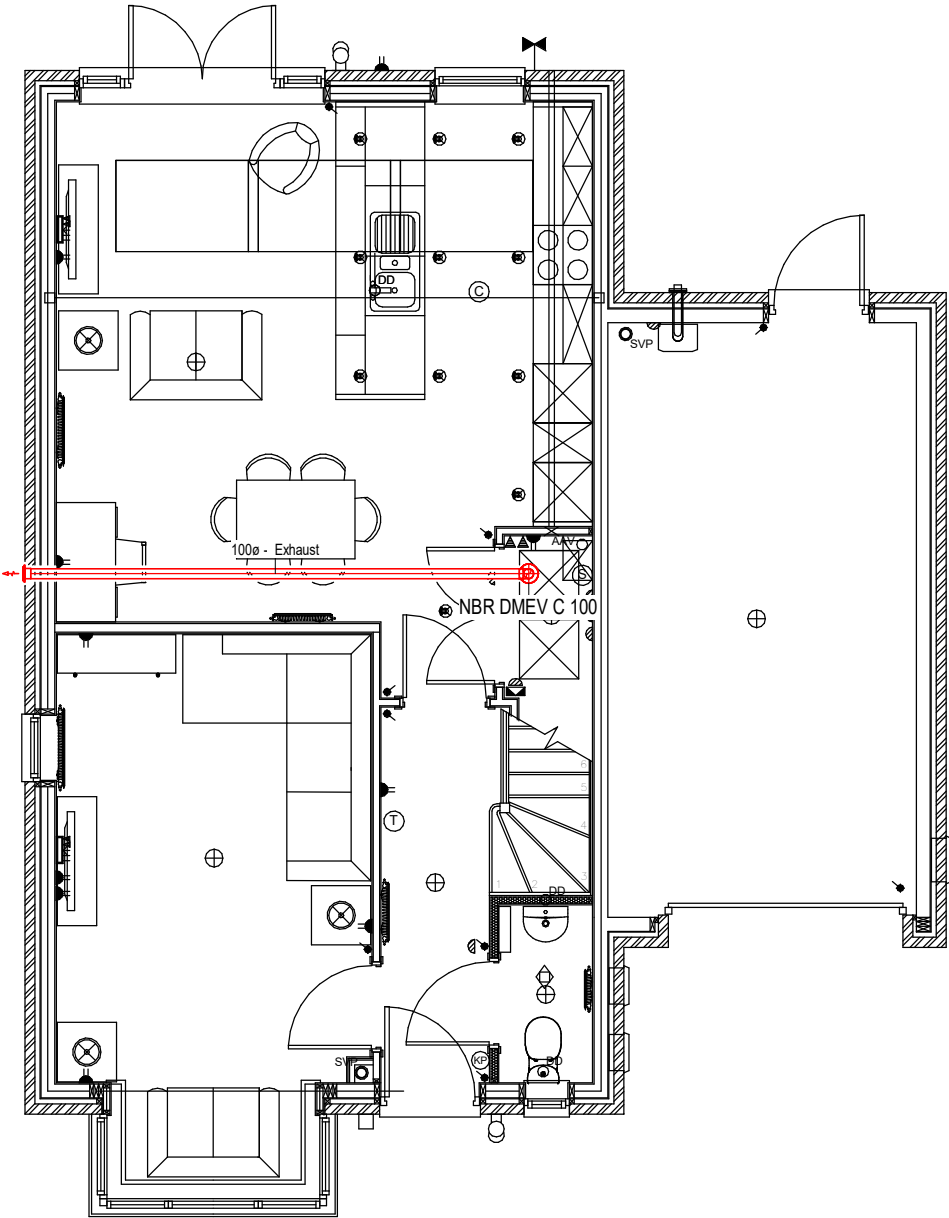
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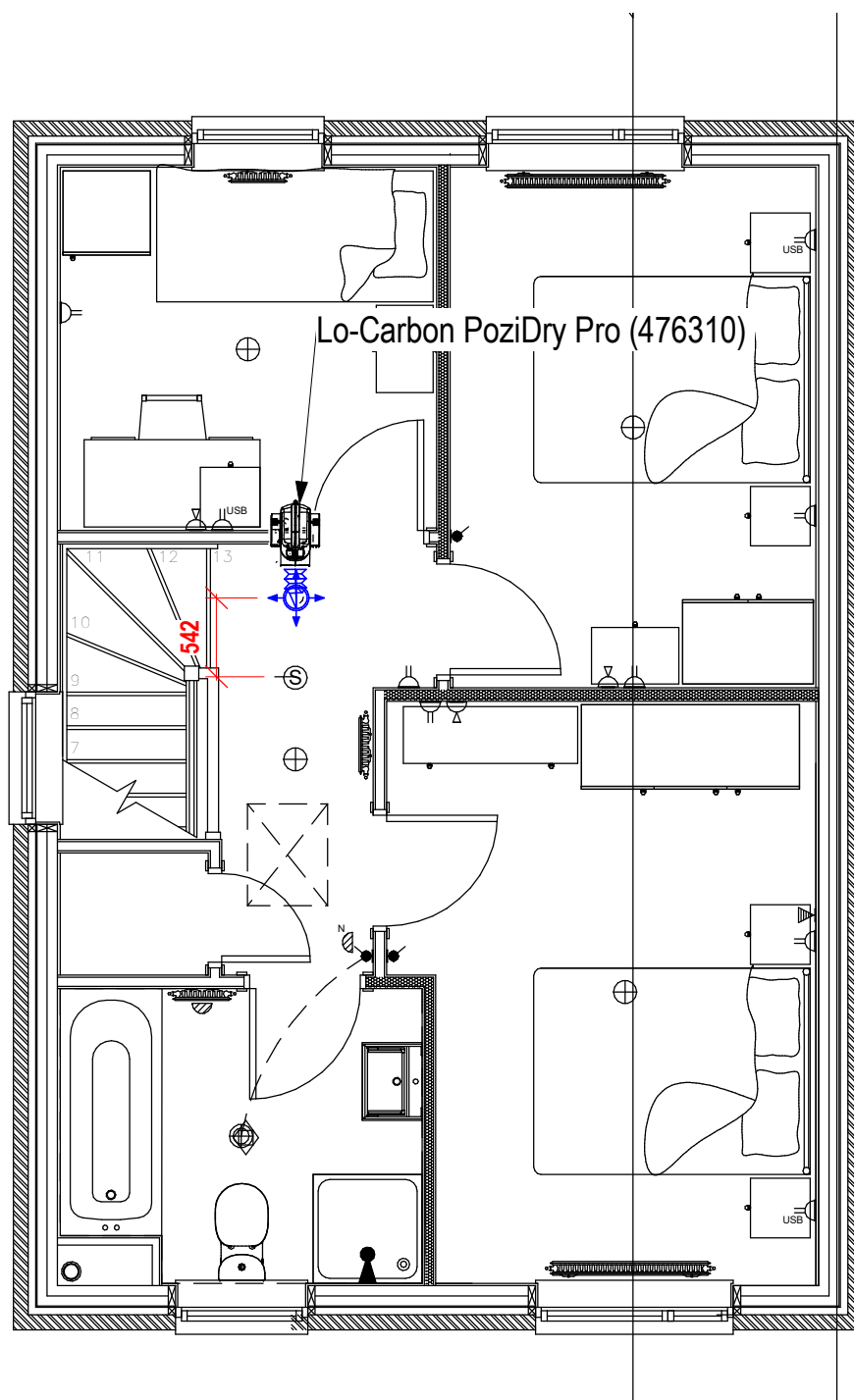
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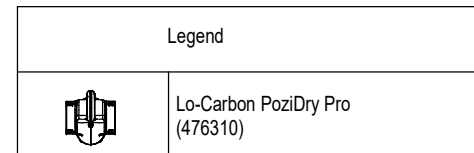
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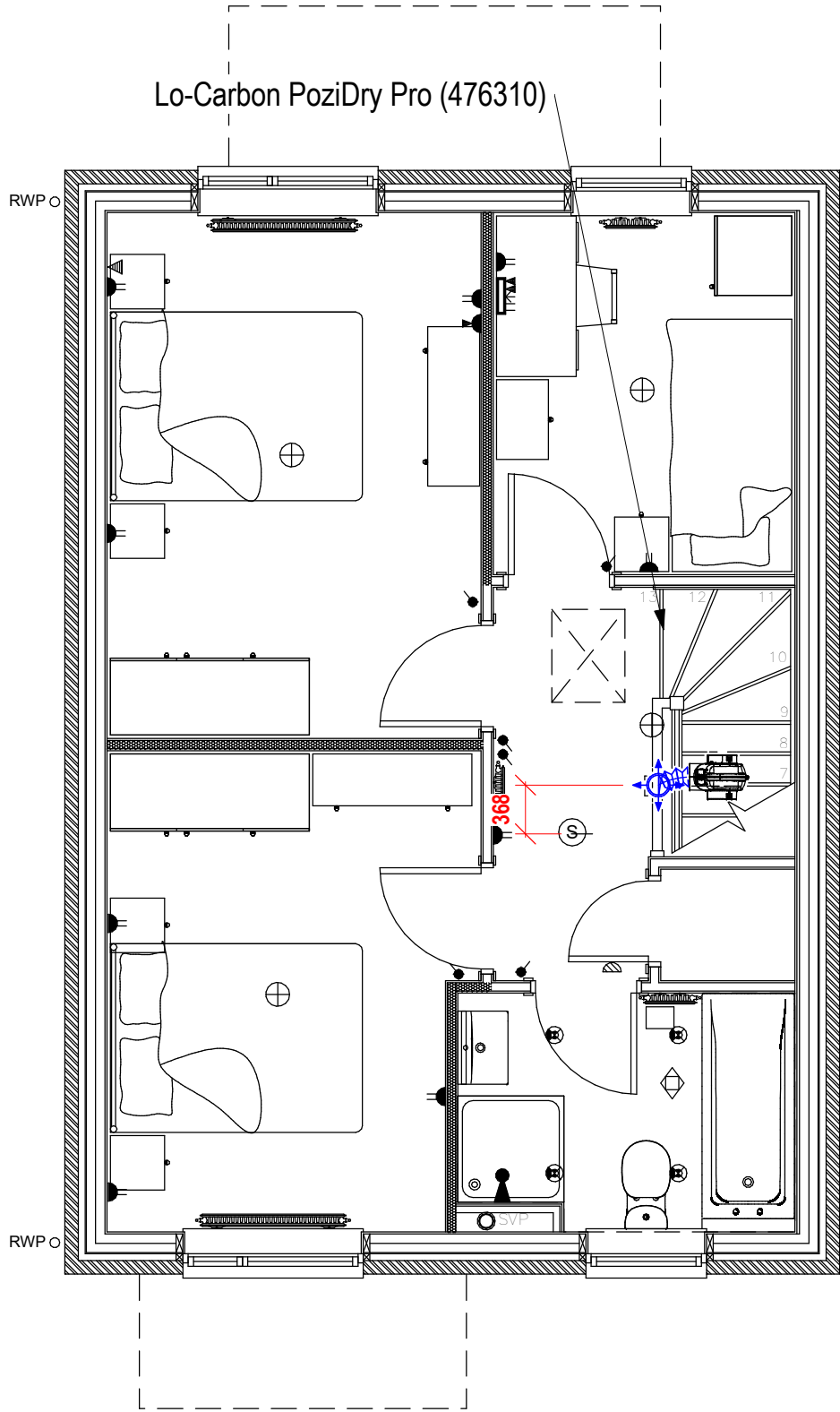
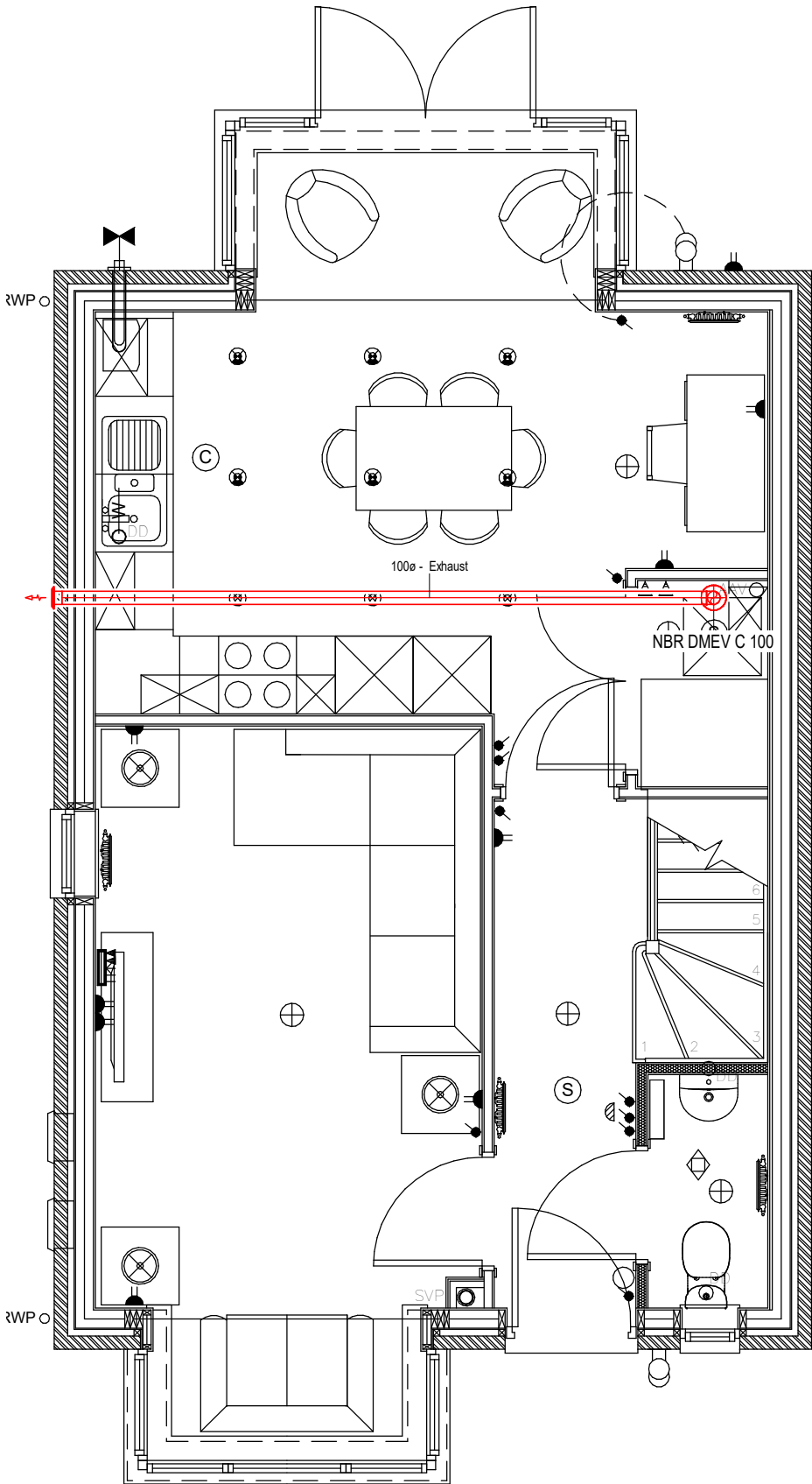
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- Kitchens and wet rooms that are not accessible from the central hallway / landing will require an additional continuous running extract fan Vent-Axia Lo-Carbon NBRDMEV (475142) to be installed to ensure adequate airflow.



A	15.12.22	DKA	Revised to Comments dated 11.11.22
Rev	Date	By	Description

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

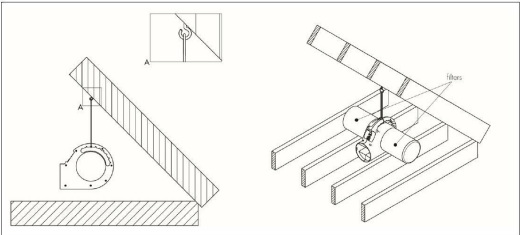


Lo-Carbon PoziDry Pro (476310)

PIV
Positive Input Ventilation (PIV) System
Vent-Axia Lo-Carbon PoziDry Pro (476310) mounted in the loft space hung from a convenient roof beam using the suspension kit provided, ensuring that the flexible ducting has gentle bends and cannot be crushed. Fused spur to be provided in the loft space. Loft space to be boarded to provide access to the unit. Vent-Axia Lo-Carbon PoziDry Pro FD (476312) to be installed on 3 storey dwellings.

- PIV Diffuser Positioning
- Diffuser to be positioned a minimum 1m of obstructions i.e. walls and smoke alarms.
 - Where the diffuser is positioned within 1m of walls and smoke alarms it has provisions to blank off the the airflow for upto two quadrants of the diffuser.
 - When the quadrants are blanked the open sides must be a minimum 1.5m away from the smoke alarms and 1m away from walls.
 - On 3 storey dwellings the diffuser supplied with the Vent-Axia Lo-Carbon PoziDry Pro FD (476311) is a metal diffuser.

- PIV Flow of Air
- Clearances under doors should be a minimum 10mm from floor finish to ensure adequate airflow.
 - On 3 storey dwellings with fire doors a transmittal vent should be installed to ensure adequate airflow (supplied by others). **
 - Kitchens and wet rooms that are not accessible from the central hallway / landing will require an additional continuous running extract fan Vent-Axia Lo-Carbon NBRDMEV (475142) to be installed to ensure adequate airflow.



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.

VENT-AXIA CANNOT GUARANTEE SYSTEM COMPLIANCE IF ALTERNATIVE DESIGN IS USED OR INSTALLED BY OTHERS. THE COMMISSIONED SYSTEM MUST COMPLY WITH THE LATEST EDITION I.E. BS7671 WIRING REGULATIONS.

VENT-AXIA WILL NOT BE RESPONSIBLE FOR CONSEQUENCES OUTSIDE OUR CONTROL CAUSED BY THE SYSTEM INSTALLATION E.G. PROPERTY ACOUSTICS, STRUCTURAL INTEGRITY ETC.

THIS DESIGN PROPOSAL HAS BEEN PRODUCED IN GOOD FAITH BUT IS SUBJECT TO APPROVAL BY THE PROJECT CLIENT.

THE DESIGN IS SUBJECT TO COPYRIGHT AND MUST NOT BE ALTERED, AMENDED OR INCORPORATED IN ANYWAY WHATSOEVER, NOR SHALL IT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE EXPRESS PERMISSION OF VENT-AXIA.

UNIT IS TO RUN AT CONTINUOUS TRICKLE WITH BOOST BEING ACTIVATED VIA A TRICKLE / BOOST CONTROLLER AND LOCAL BOOST SWITCHES (EG LIGHTS) IN ALL WET ROOMS. IF SWITCHING VIA LIGHTS, DOUBLE POLE SWITCHED OR RELAYS (E.G. VIA 42030) WILL BE REQUIRED. LOCAL SWITCHING NOT SPECIFICALLY REQUIRED FOR INTEGRAL HUMIDISTAT UNITS.

EXHAUST AND INTAKE DUCTING TO AND FROM ATMOSPHERE AND ALL DUCTING IN COLD ROOF SPACE TO BE DUCTED VIA FULLY INSULATED RIGID PLASTIC DUCTING TO EXTERNAL TERMINATIONS (INSTALLED BY OTHER).

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 INTEGRA PLUS. 10,000mm² FOR ANY OTHER SYSTEM AT THE TERMINALS TIGHTEST POINT.

A	15.12.22	DKA	Revised to Comments dated 11.11.22
Rev	Date	By	Description

Vent-Axia

New Build Residential

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

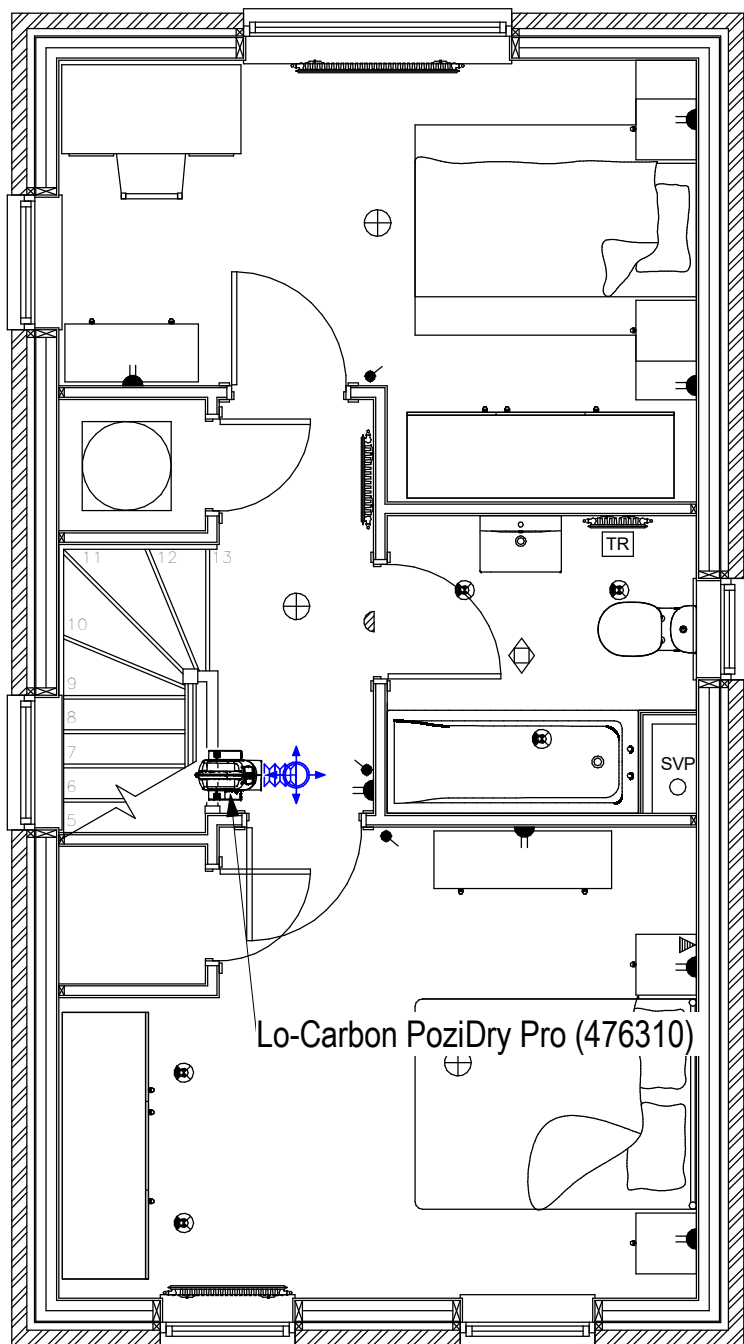
Project
Don Street

Drawing
MAPLE 912

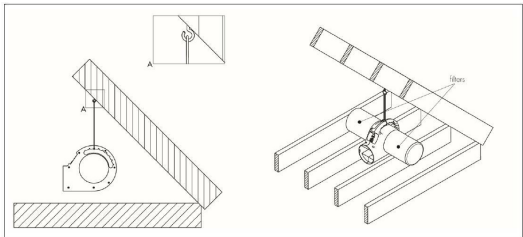
Date 10/17/22 Scale 1 : 50 @A3 Design Designer

Drawing No. CAS 13757 _20	Rev A
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Legend	
	Lo-Carbon PoziDry Pro (476310)



- Clearances under doors should be a minimum 10mm from floor finish to ensure adequate airflow.
- On 3 storey dwellings with fire doors a transmittal vent should be installed to ensure adequate airflow (supplied by others). **
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UNIT IS TO RUN AT CONTINUOUS TRICKLE WITH BOOST BEING ACTIVATED VIA A TRICKLE / BOOST CONTROLLER AND LOCAL SWITCHES (ED LIGHTS) IN ALL WET ROOMS. IF OUTGOING VOLTAGE IS HIGH, DOUBLE POLE SWITCHED OR RELAYS (E.G. VA 44200) WILL BE REQUIRED. LOCAL SWITCHING NOT SPECIFICALLY REQUIRED FOR INTERNAL HUMIDISTAT UNITS.

EXHAUST AND INTAKE DUCTING TO AND FROM ATMOSPHERE AND ALL DUCTING IN COLD ROOM SPACE TO BE DUCTED VIA FULLY INSULATED RIGID PLASTIC DUCTING TO EXTERNAL TERMINATIONS (INSTALLED BY OTHER).

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

IF NOT USING VENT-A-XIA EXTERNAL TERMINATIONS THE FREE AREA MUST BE MIN. 14,000mm² FOR THE KINETIC PLUS OR THE INTEGRAL PLUS. 10,900mm² FOR ANY OTHER SYSTEM AT THE TERMINALS TIGHTEST POINT.

A	15.12.22	DKA	Revised to Comments dated 11.11.22
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
Don Street

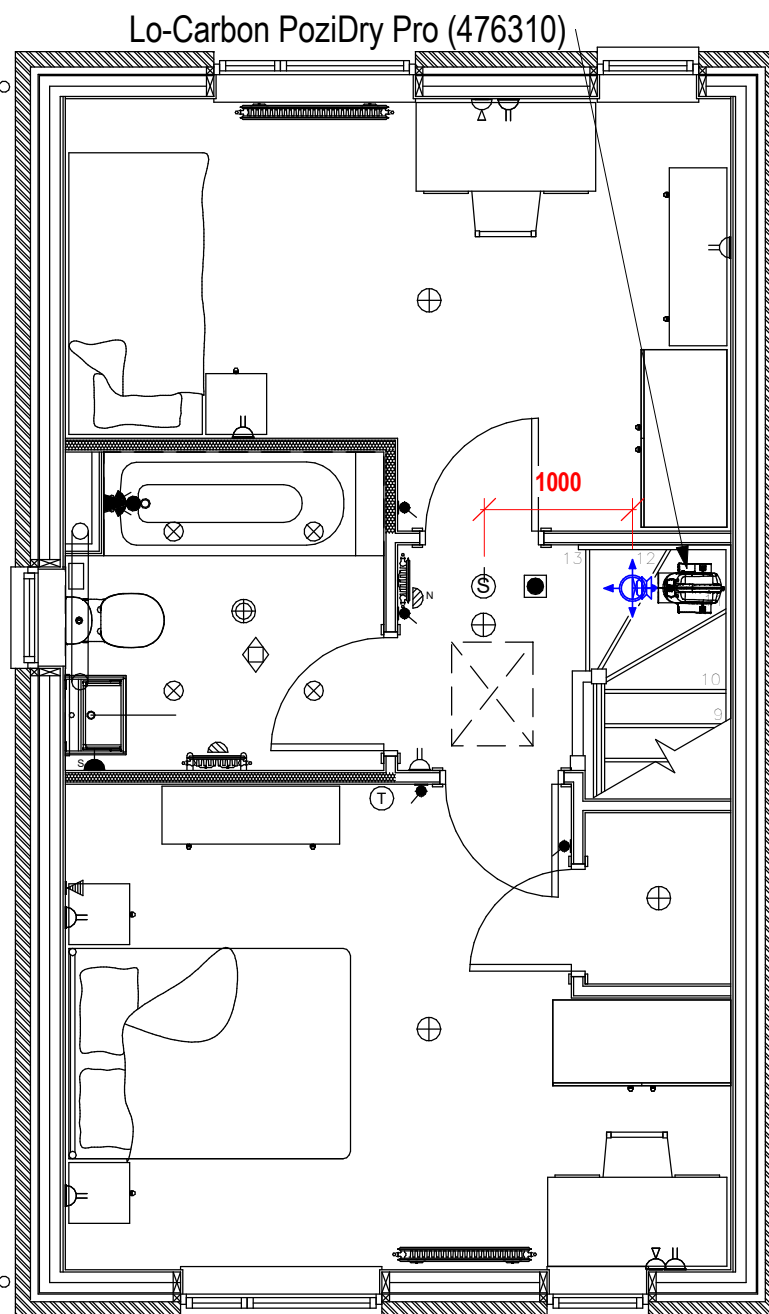
Drawing
OLIVE 770

Date 10/17/22 Scale 1 : 50 @A3 Design Designer

Drawing No. CAS 13757 _21	Rev A
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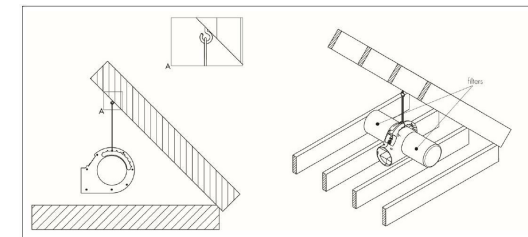
Legend	
	NBR dMEVC 100
	Lo-Carbon Pozidry Pro (476310)

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



PIV Flow of Air

- Clearances under doors should be a minimum 10mm from floor finish to ensure adequate airflow.
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B	10.10.23	DKA	Revised to Comments dated 03.01.23
A	15.12.22	DKA	Revised to Comments dated 11.11.22
Rev	Date	By	Description

Vent-Axia

New Build Residential

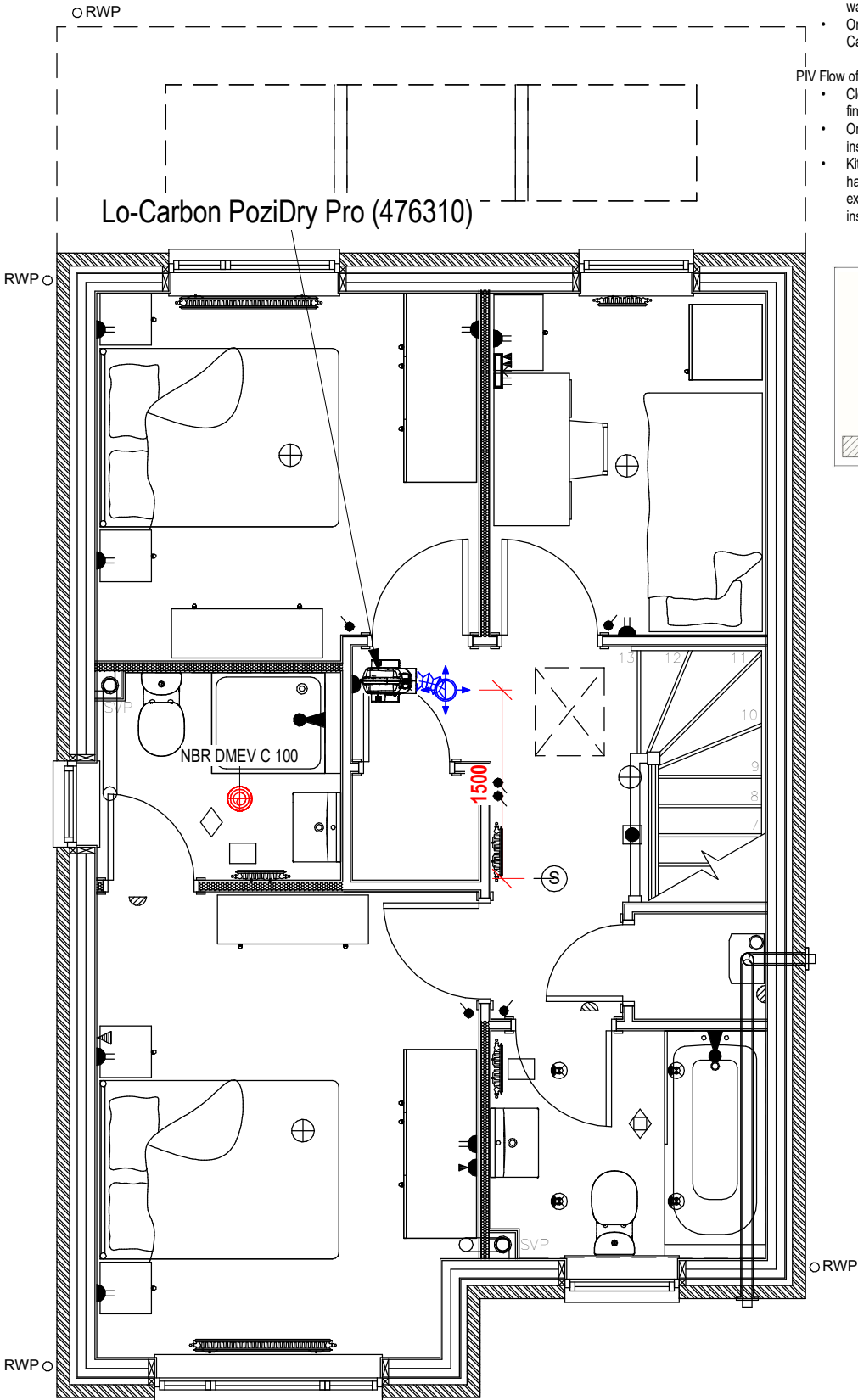
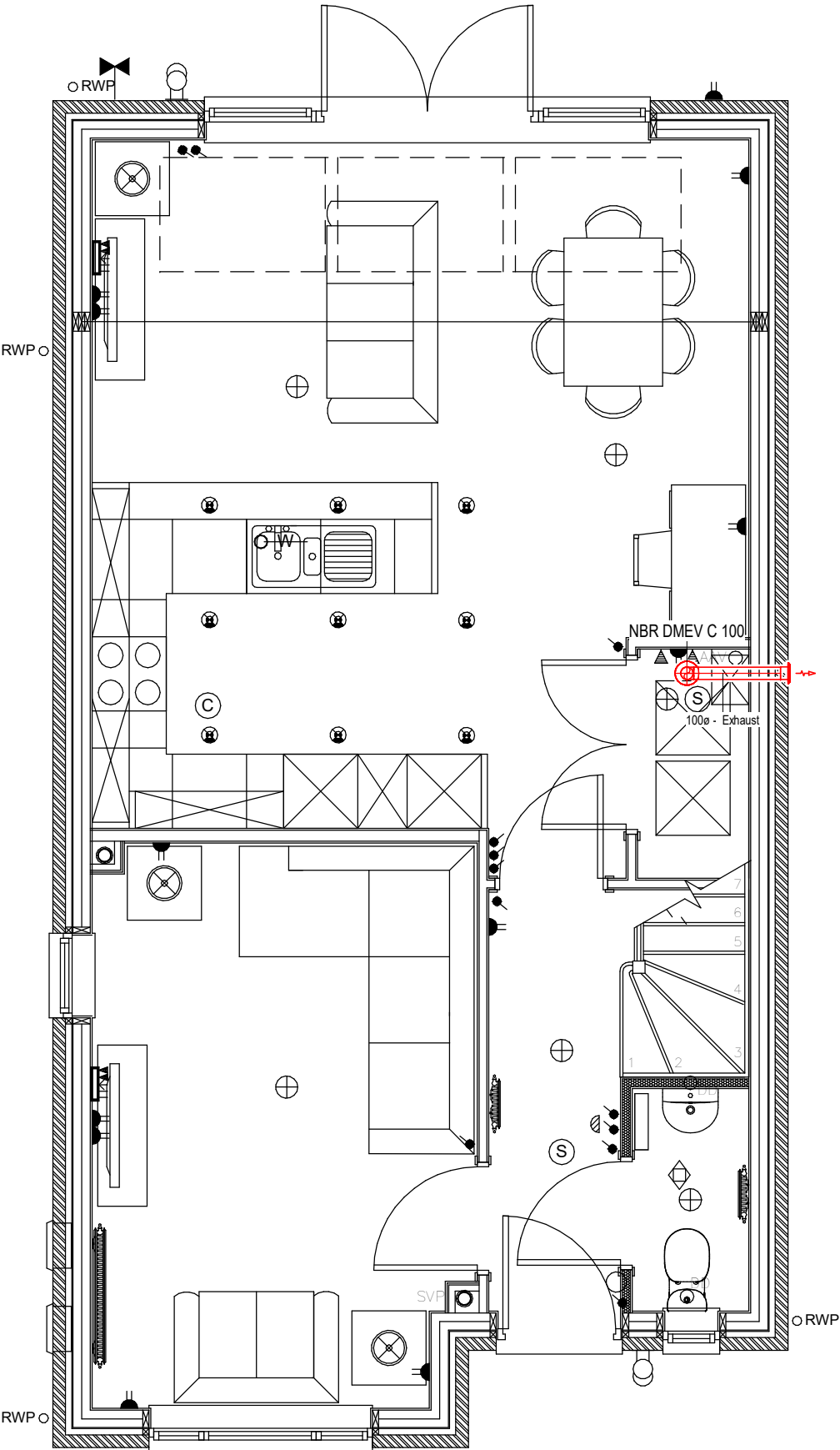
**Fleming Way, Crawley West
Sussex
Tel. +44(0)1293 441520
Fax. +44 (0)1293 539209**

Project
Don Street
Drawing
ROTH 764

Date	Scale	Design
10/17/22	1 : 50 @A3	Designer

Drawing No. CAS 13757 22	Rev B
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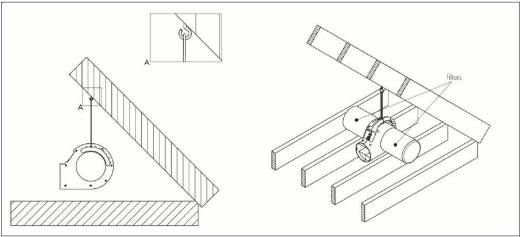
***DRAWING ONLY TO BE USED FOR THE PURPOSE OF VENTILATION INSTALLATION**



PIV
Positive Input Ventilation (PIV) System
Vent-Axia Lo-Carbon PoziDry Pro (476310) mounted in the loft space
hung from a convenient roof beam using the suspension kit provided,
ensuring that the flexible ducting has gentle bends and cannot be crushed.
Fused spur to be provided in the loft space. Loft space to be boarded to
provide access to the unit. Vent-Axia Lo-Carbon PoziDry Pro FD (476312)
to be installed on 3 storey dwellings.

- PIV Diffuser Positioning
- Diffuser to be positioned a minimum 1m of obstructions i.e. walls and smoke alarms.
 - Where the diffuser is positioned within 1m of walls and smoke alarms it has provisions to blank off the the airflow for upto two quadrants of the diffuser.
 - When the quadrants are blanked the open sides must be a minimum 1.5m away from the smoke alarms and 1m away from walls.
 - On 3 storey dwellings the diffuser supplied with the Vent-Axia Lo-Carbon PoziDry Pro FD (476311) is a metal diffuser.

- PIV Flow of Air
- Clearances under doors should be a minimum 10mm from floor finish to ensure adequate airflow.
 - On 3 storey dwellings with fire doors a transmittal vent should be installed to ensure adequate airflow (supplied by others). **
 - Kitchens and wet rooms that are not accessible from the central hallway / landing will require an additional continuous running extract fan Vent-Axia Lo-Carbon NBRDMEV (475142) to be installed to ensure adequate airflow.



NOTES:

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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. 14,000mm² FOR THE KINETIC PLUS OR THE INTEGRA PLUS. 10,000mm² FOR ANY OTHER SYSTEM AT THE TERMINALS TIGHTEST POINT.

A	15.12.22	DKA	Revised to Comments dated 11.11.22
Rev	Date	By	Description

Vent-Axia

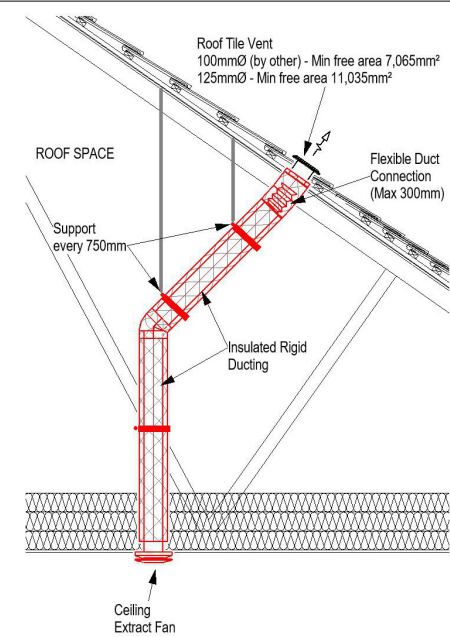
New Build Residential

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

Project
Don Street
Drawing
ROWAN 1028
Date
10/17/22
Scale
1 : 50 @A3
Design
Designer
Drawing No.
CAS 13757 _23
Rev
A

Legend	
	NBR dMEVC 100
	Lo-Carbon PoziDry Pro (476310)

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



SPRUCE 1020 - ROCH			
Dwelling Details			I/s
Whole Dwelling Ventilation Rate			
Floor Area (m²)	94.7	Default	21
Bedrooms	3	0.3/s per m²	28.4
		Required Minimum Continuous Rates	28.4
Extract	High Rates I/s	Extract	Continuous Rates I/s
Kitchen	13.0	Kitchen	9.0
Utility	12.0	Utility	8.0
Bathroom	9.0	Bathroom	6.0
En-Suite 1	9.0	En-Suite 1	6.0
Total Airflow	43.0	Total Airflow	29.0
Minimum flow rates to Doc F Building Regs 2010 Edition			

NOTES:

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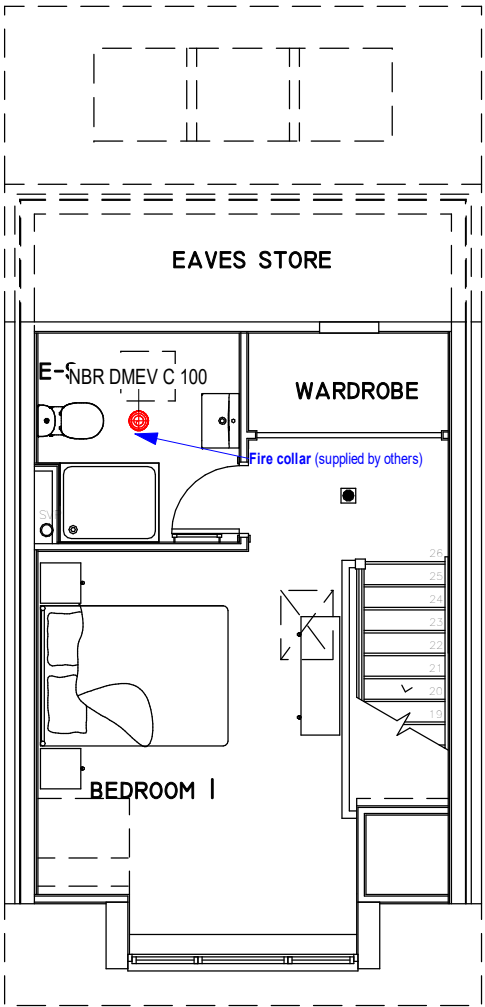
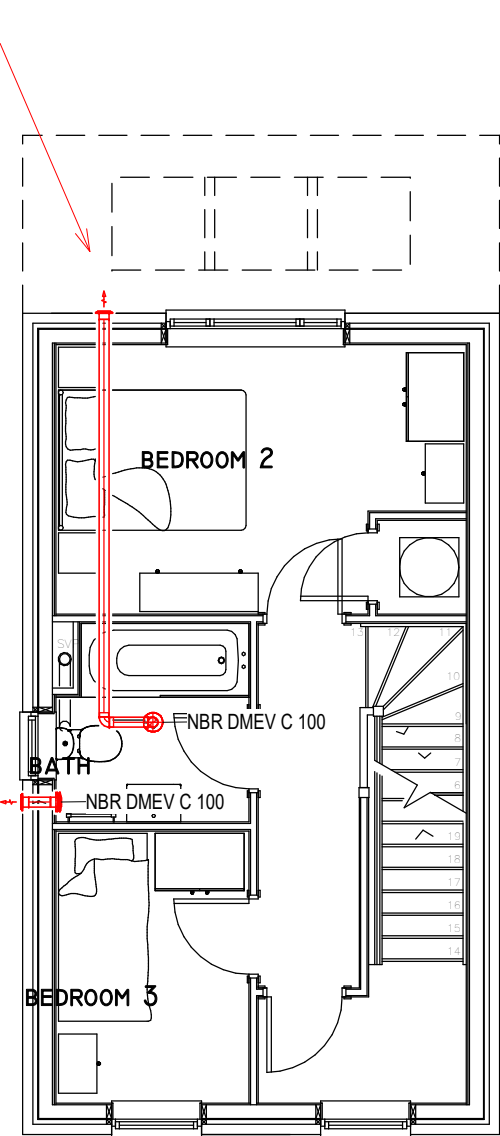
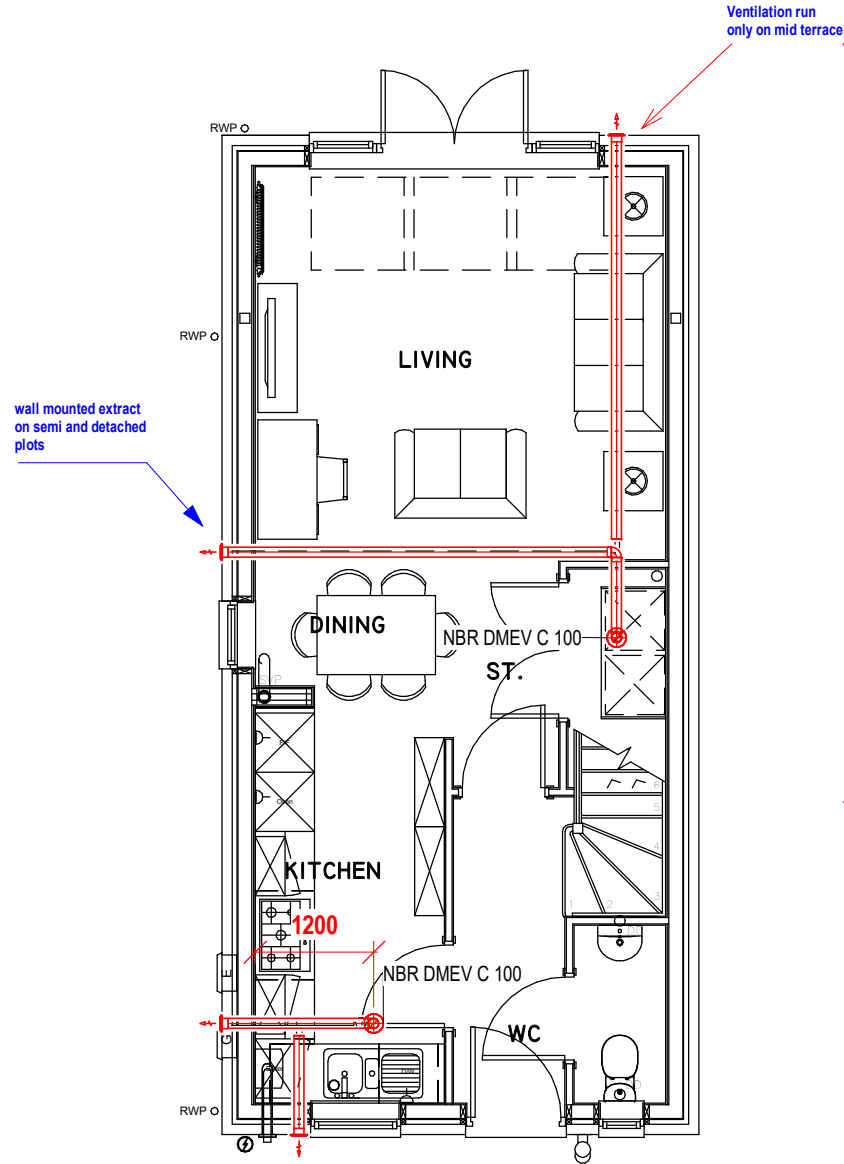
ALL DUCTING IN COLD ROOF SPACE, AND ALL MVHR DUCTING TO AND FROM ATMOSPHERE MUST ALWAYS BE FULLY INSULATED.

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 THERE IS SUFFICIENT SPACE TO ACCOMMODATE THE DUCTING AS SHOWN.

IF NOT USING VENT-AXIA EXTERNAL TERMINATIONS THE FREE AREA MUST BE MIN.

100mm Ducting - 7,065mm² free area
125mm Ducting - 11,039 mm² free area
150mm Ducting - 15,896 mm² free area
110x54mm Ducting - 4,770mm² free area
204x60mm Ducting - 10,080mm² free area
220x60mm Ducting - 16,718mm² free area
AT THE TERMINAL'S TIGHTEST POINT.



Legend	
NBR dMEV C 100/125 dMEV Fan	
100/125mm Circular PVC Flexible Ducting	
100/125mm Pre-insulated Flexible ducting	
100/125mm Circular Ducting (Pre-insulated in cold space)	
100mm Louvre Grille	

A	23.05.24	JM	Changed to 2010 Regs
Rev	Date	By	Description

Vent-Axia

New Build Residential

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

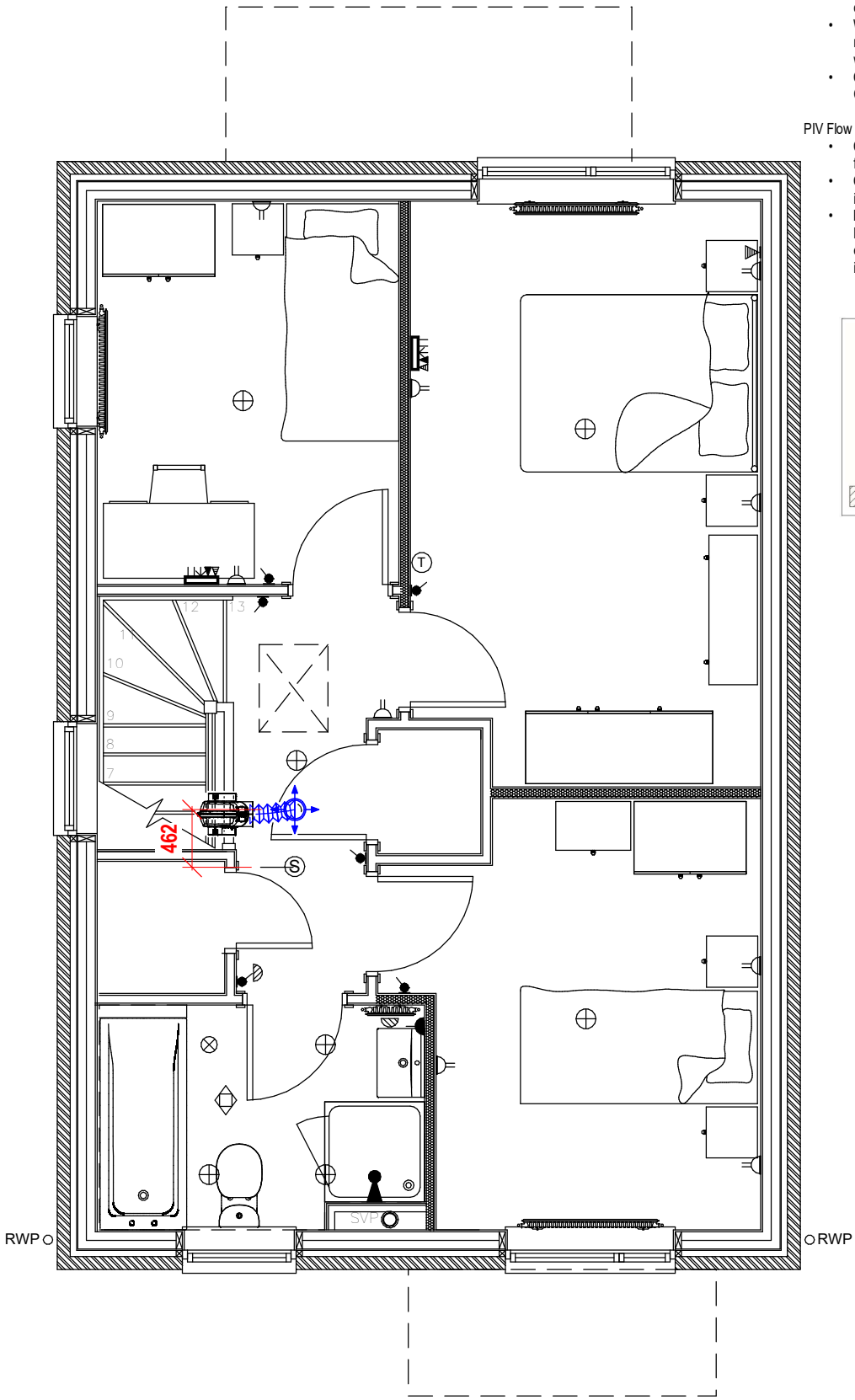
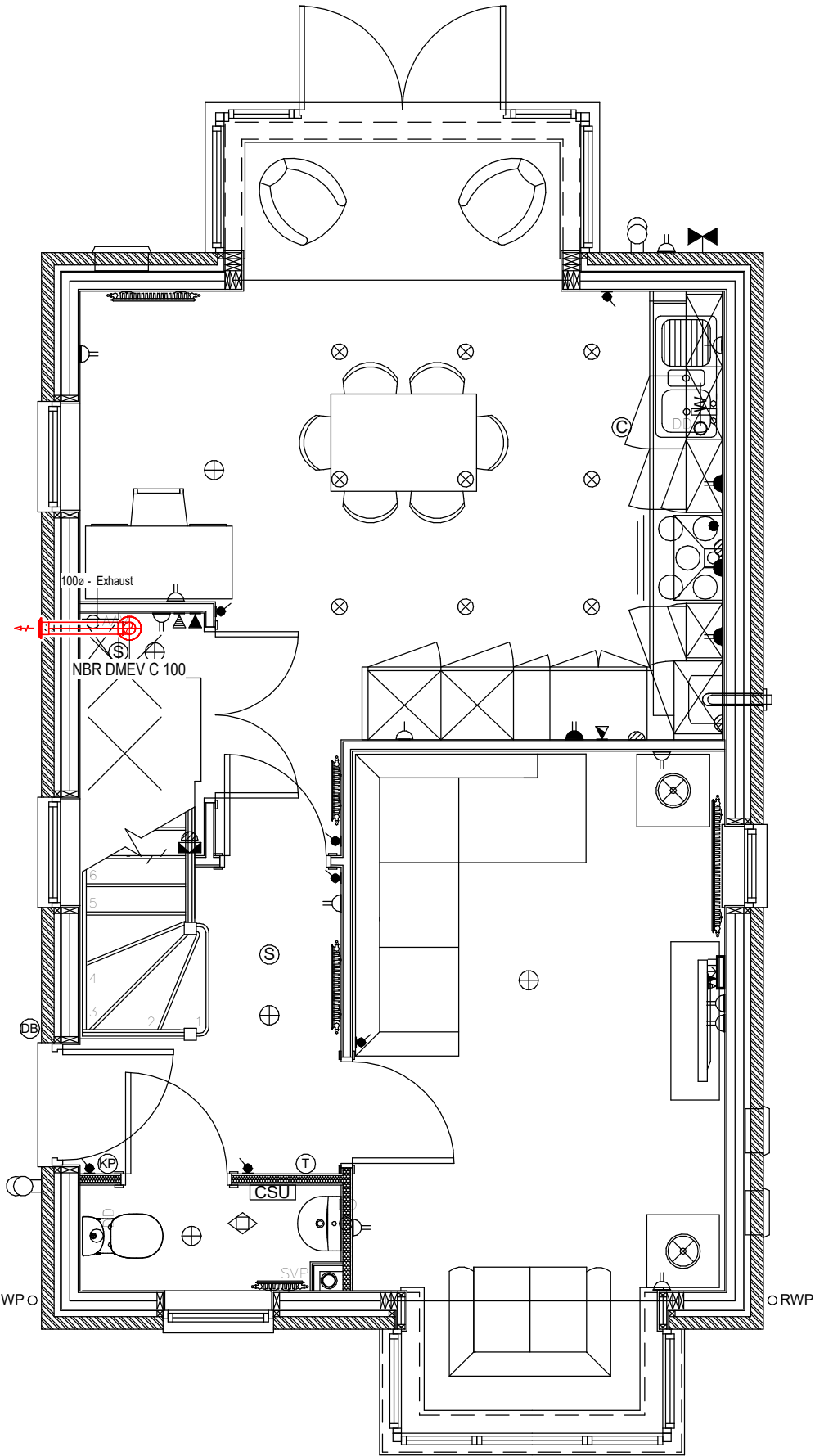
Project
Spruce & Larch

Drawing
SPRUCE 1020 - ROCH

Date 15/04/24 Scale 1:75 @A3 Design JV

Drawing No. CAS 17111 _02 Rev A

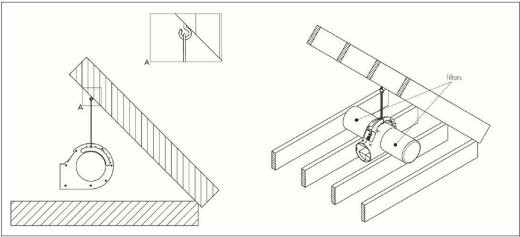
*DRAWING ONLY TO BE USED FOR THE PURPOSE OF VENTILATION INSTALLATION



PIV
Positive Input Ventilation (PIV) System
Vent-Axia Lo-Carbon Pozidry Pro (476310) mounted in the loft space
hung from a convenient roof beam using the suspension kit provided,
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Fused spur to be provided in the loft space. Loft space to be boarded to
provide access to the unit. Vent-Axia Lo-Carbon Pozidry Pro FD (476312)
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A	15.12.22	DKA	Revised to Comments dated 11.11.22
Rev	Date	By	Description

Vent-Axia

New Build Residential

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

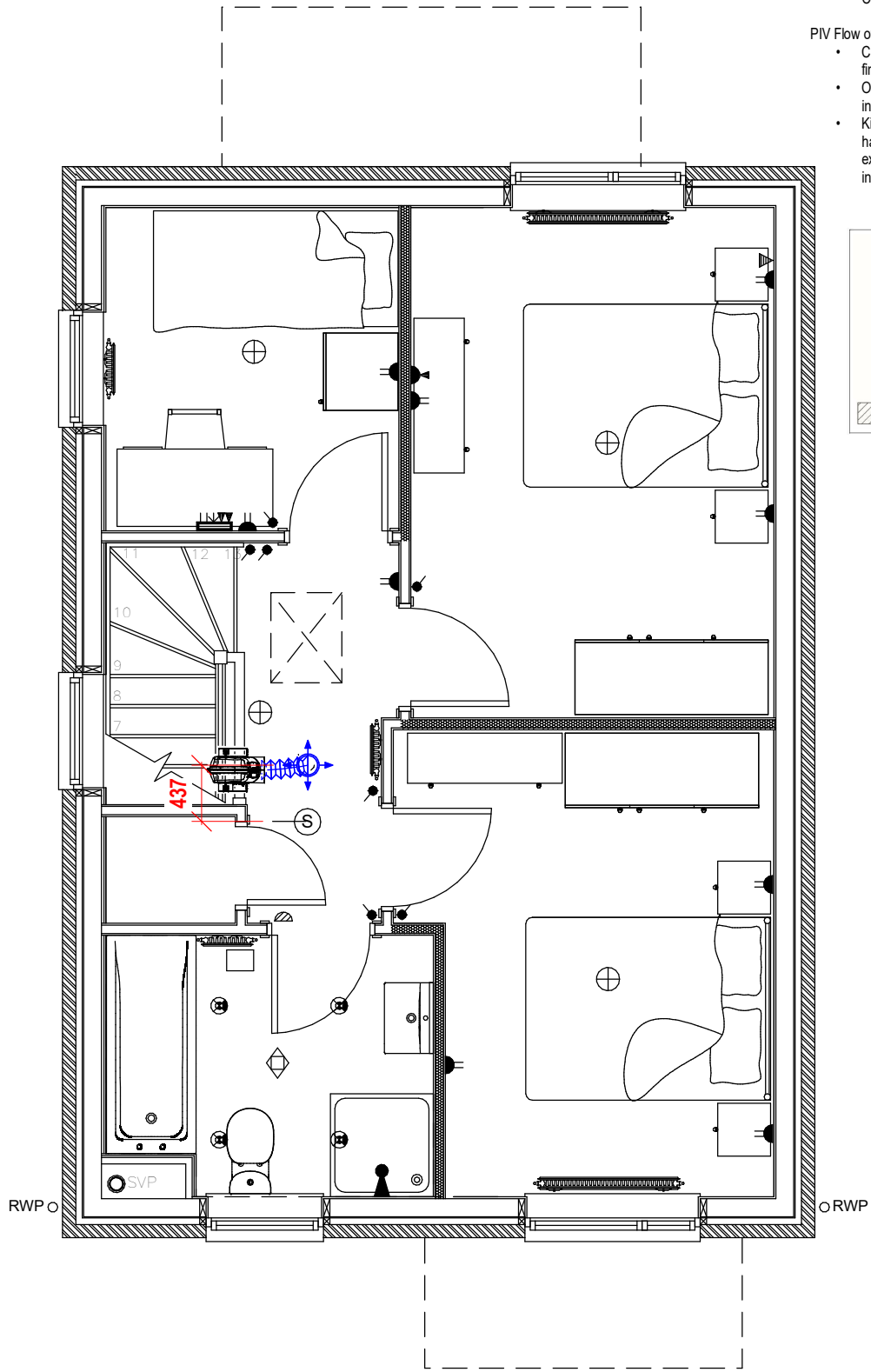
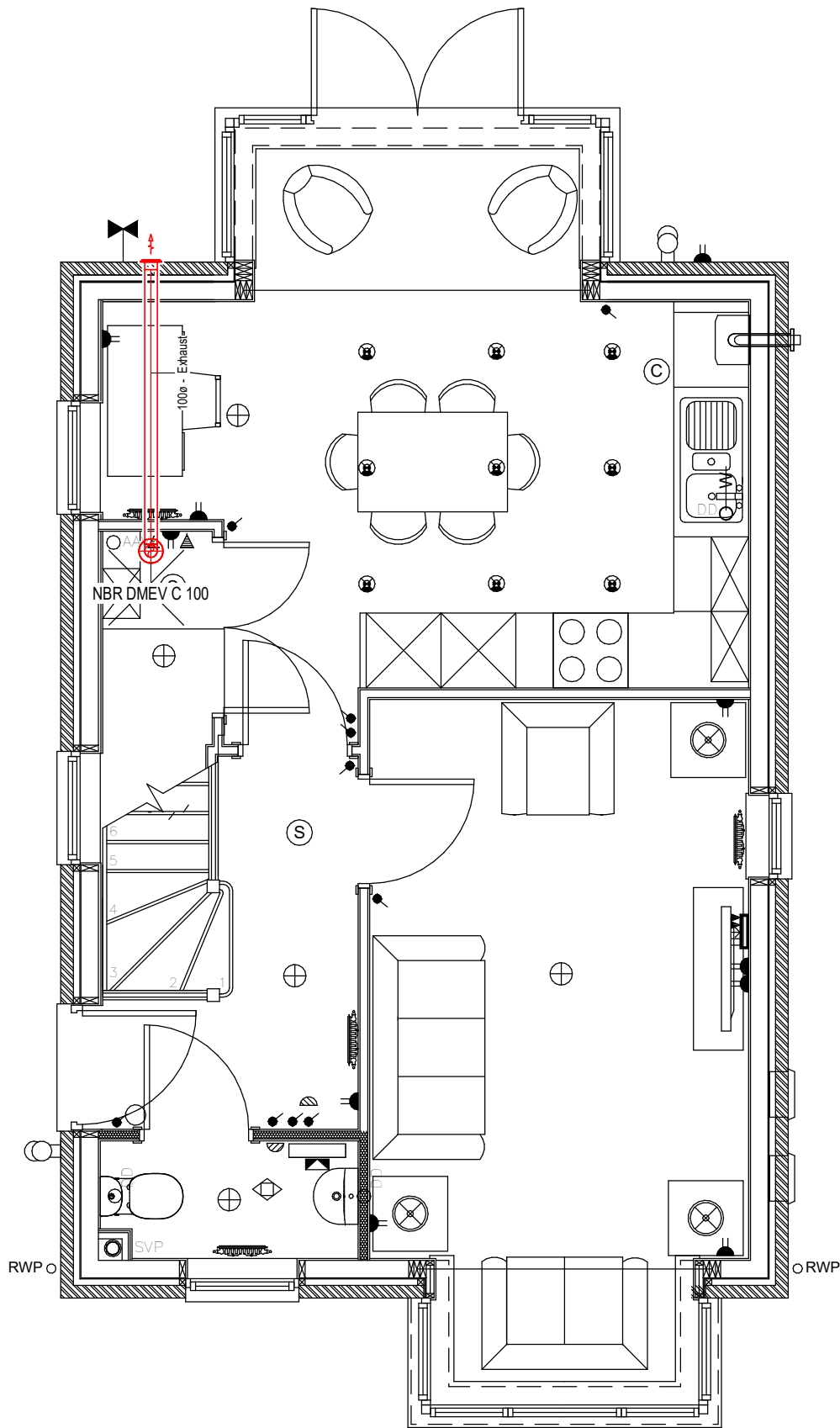
Project
Don Street

Drawing
TEAK 994

Date 10/17/22 Scale 1 : 50 @A3 Design Designer

Drawing No. CAS 13757 _25	Rev A
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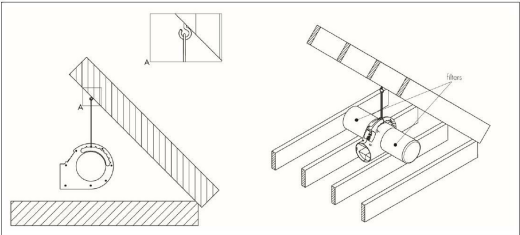
Legend	
	NBR dMEVC 100
	Lo-Carbon Pozidry Pro (476310)



PIV
Positive Input Ventilation (PIV) System
Vent-Axia Lo-Carbon PoziDry Pro (476310) mounted in the loft space hung from a convenient roof beam using the suspension kit provided, ensuring that the flexible ducting has gentle bends and cannot be crushed. Fused spur to be provided in the loft space. Loft space to be boarded to provide access to the unit. Vent-Axia Lo-Carbon PoziDry Pro FD (476312) to be installed on 3 storey dwellings.

- PIV Diffuser Positioning
- Diffuser to be positioned a minimum 1m of obstructions i.e. walls and smoke alarms.
 - Where the diffuser is positioned within 1m of walls and smoke alarms it has provisions to blank off the the airflow for upto two quadrants of the diffuser.
 - When the quadrants are blanked the open sides must be a minimum 1.5m away from the smoke alarms and 1m away from walls.
 - On 3 storey dwellings the diffuser supplied with the Vent-Axia Lo-Carbon PoziDry Pro FD (476311) is a metal diffuser.

- PIV Flow of Air
- Clearances under doors should be a minimum 10mm from floor finish to ensure adequate airflow.
 - On 3 storey dwellings with fire doors a transmittal vent should be installed to ensure adequate airflow (supplied by others). **
 - Kitchens and wet rooms that are not accessible from the central hallway / landing will require an additional continuous running extract fan Vent-Axia Lo-Carbon NBRDMEV (475142) to be installed to ensure adequate airflow.



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.

VENT-AXIA CANNOT GUARANTEE SYSTEM COMPLIANCE IF ALTERNATIVE DESIGN IS USED OR INSTALLED BY OTHERS. THE COMMISSIONED SYSTEM MUST COMPLY WITH THE LATEST EDITION I.E. BS7671 WIRING REGULATIONS.

VENT-AXIA WILL NOT BE RESPONSIBLE FOR CONSEQUENCES OUTSIDE OUR CONTROL CAUSED BY THE SYSTEM INSTALLATION E.G. PROPERTY ACOUSTICS, STRUCTURAL INTEGRITY ETC.

THIS DESIGN PROPOSAL HAS BEEN PRODUCED IN GOOD FAITH BUT IS SUBJECT TO APPROVAL BY THE PROJECT CLIENT.

THE DESIGN IS SUBJECT TO COPYRIGHT AND MUST NOT BE ALTERED, AMENDED OR INCORPORATED IN ANYWAY WHATSOEVER, NOR SHALL IT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE EXPRESS PERMISSION OF VENT-AXIA.

UNIT IS TO RUN AT CONTINUOUS TRICKLE WITH BOOST BEING ACTIVATED VIA A TRICKLE / BOOST CONTROLLER AND LOCAL BOOST SWITCHES (EG LIGHTS) IN ALL WET ROOMS. IF SWITCHING VIA LIGHTS, DOUBLE POLE SWITCHED OR RELAYS (E.G. VIA 42030) WILL BE REQUIRED. LOCAL SWITCHING NOT SPECIFICALLY REQUIRED FOR INTEGRAL HUMIDISTAT UNITS.

EXHAUST AND INTAKE DUCTING TO AND FROM ATMOSPHERE AND ALL DUCTING IN COLD ROOM SPACE TO BE DUCTED VIA FULLY INSULATED RIGID PLASTIC DUCTING TO EXTERNAL TERMINATIONS (INSTALLED BY OTHER).

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 INTEGRA PLUS. 10,000mm² FOR ANY OTHER SYSTEM AT THE TERMINALS TIGHTEST POINT.

A	15.12.22	DKA	Revised to Comments dated 11.11.22
Rev	Date	By	Description

Vent-Axia

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Drawing
WALNUT 912
Date
10/17/22
Scale
1 : 50 @A3
Design
Designer

Drawing No. CAS 13757 _26	Rev A
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Legend	
	NBR dMEVC 100
	Lo-Carbon PoziDry Pro (476310)