

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. VA 442030) 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 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.

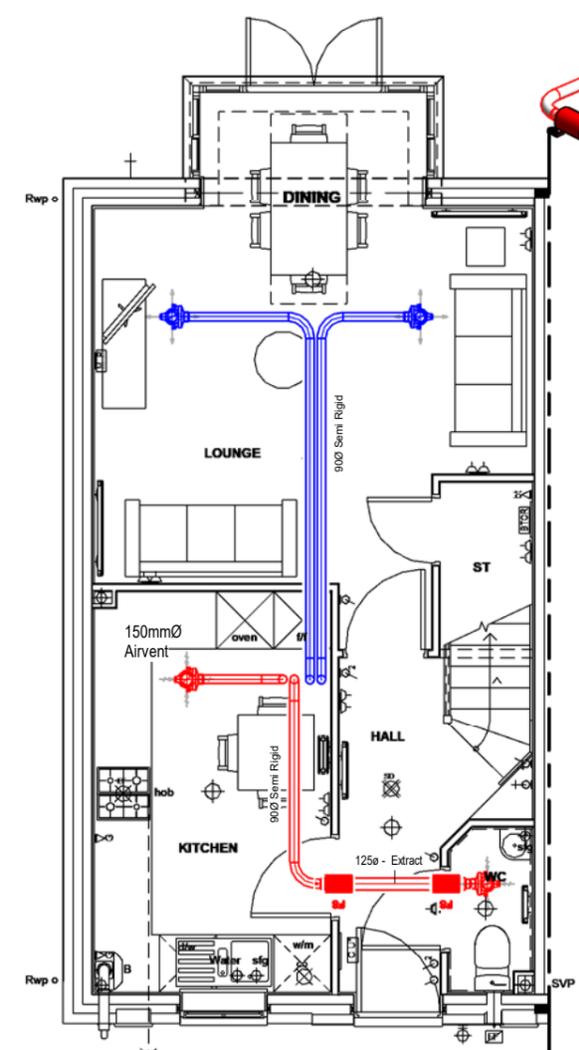
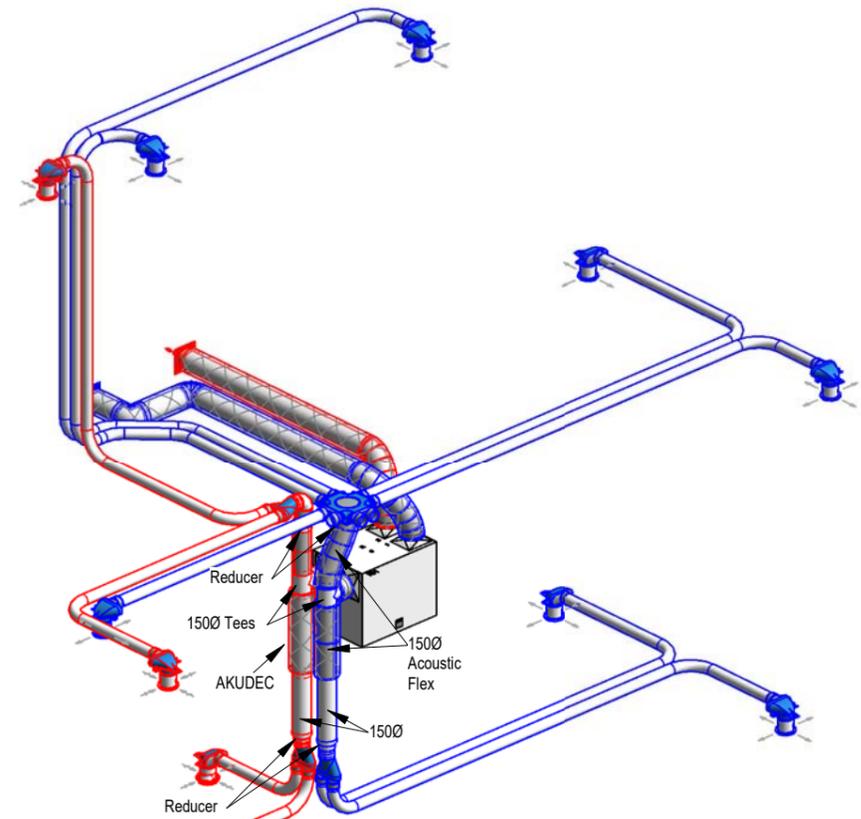
IF NOT USING VENT-AXIA EXTERNAL TERMINATIONS THE FREE AREA MUST BE MIN. 14,000mm² FOR THE KINETIC PLUS OR THE INTEGRA PLUS, 10,000mm² FOR ANY OTHER SYSTEM AT THE TERMINALS TIGHTEST POINT.

COMMISSIONING TABLE (l/s)

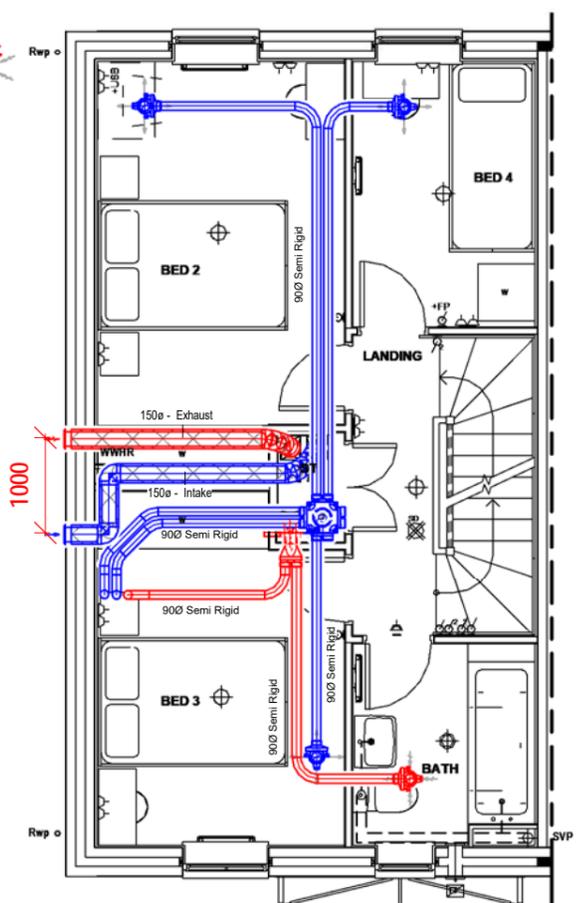
EXTRACT			
Room	Overheating	Boost	Trickle
Kitchen	24.4	13.0	11.8
WC	17.4	9.3	8.4
Bathroom	17.4	9.3	8.4
En-Suite 1	17.4	9.3	8.4
	76.6	40.7	37.0

SUPPLY			
Room	Overheating	Boost	Trickle
Dining Vent 1	9.4	5.0	4.5
Dining Vent 2	9.4	5.0	4.5
Bedroom 1 Vent 1	13.8	7.3	6.6
Bedroom 1 Vent 2	13.8	7.3	6.6
Bedroom 2	13.2	7.0	6.4
Bedroom 3	11.0	5.8	5.3
Bedroom 4	6.3	3.3	3.0
	76.6	40.7	37.0

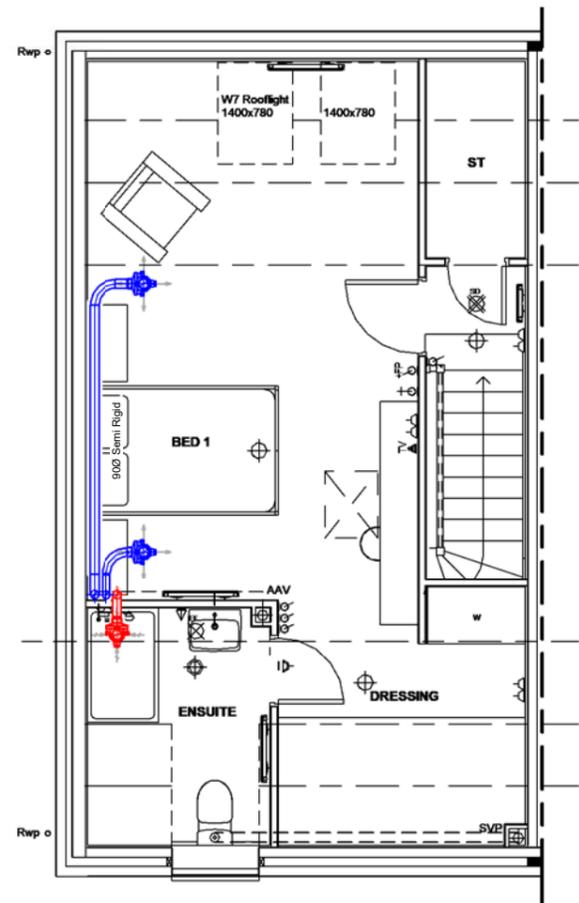
Minimum flow rates to Doc F Building Regs 2021 Edition and Overheating Assessment Report



Ground Floor



First Floor



Second Floor

LEGEND	
	Extract diffuser 125mmØ (150Ø in kitchen only)
	Supply diffuser 125mm Ø
	90mmØ Semi Rigid in Ceiling to airvents 125 / 150mm Ø Rigid Duct (Pre-insulated to / from Exterior)
	Sentinel Kinetic Plus Heat Recovery Unit (RH) Ref 443028

Rev	Date	By	Description
B	24.11.22	AH	Requested Revs, Add Acoustic Flex Attn, split dining vents
A	24.10.22	AH	Kinetic Plus, Semi Rigid in ceilings

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Project
B16_WOODCOTE (MVHR)

Drawing
BW00_00CE

<i>Date</i> 24.10.22	<i>Scale</i> 1 : 75 @A3	<i>Design</i> AH
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<i>Drawing No.</i> CAS 15045 _01	<i>Rev</i> B
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