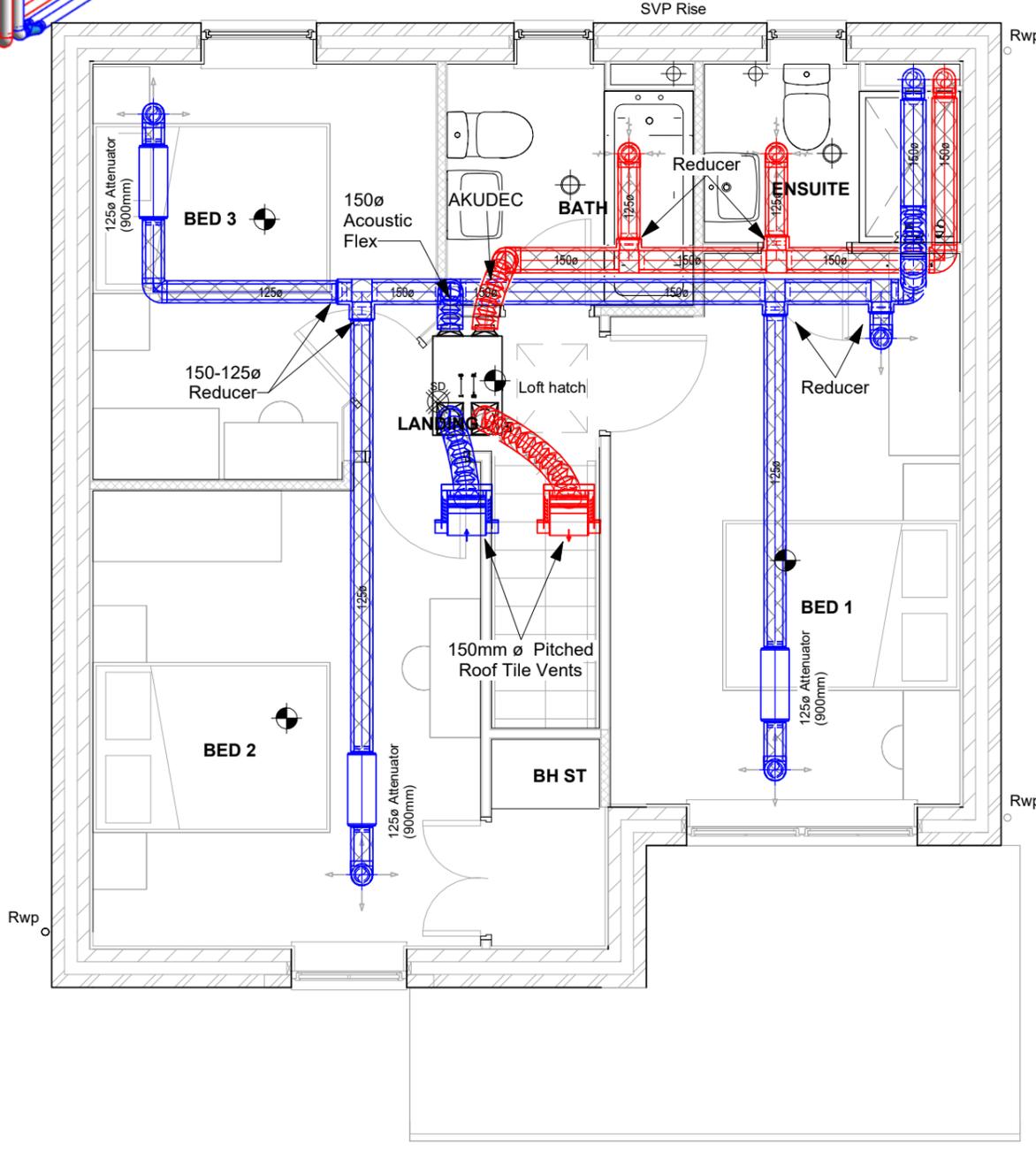
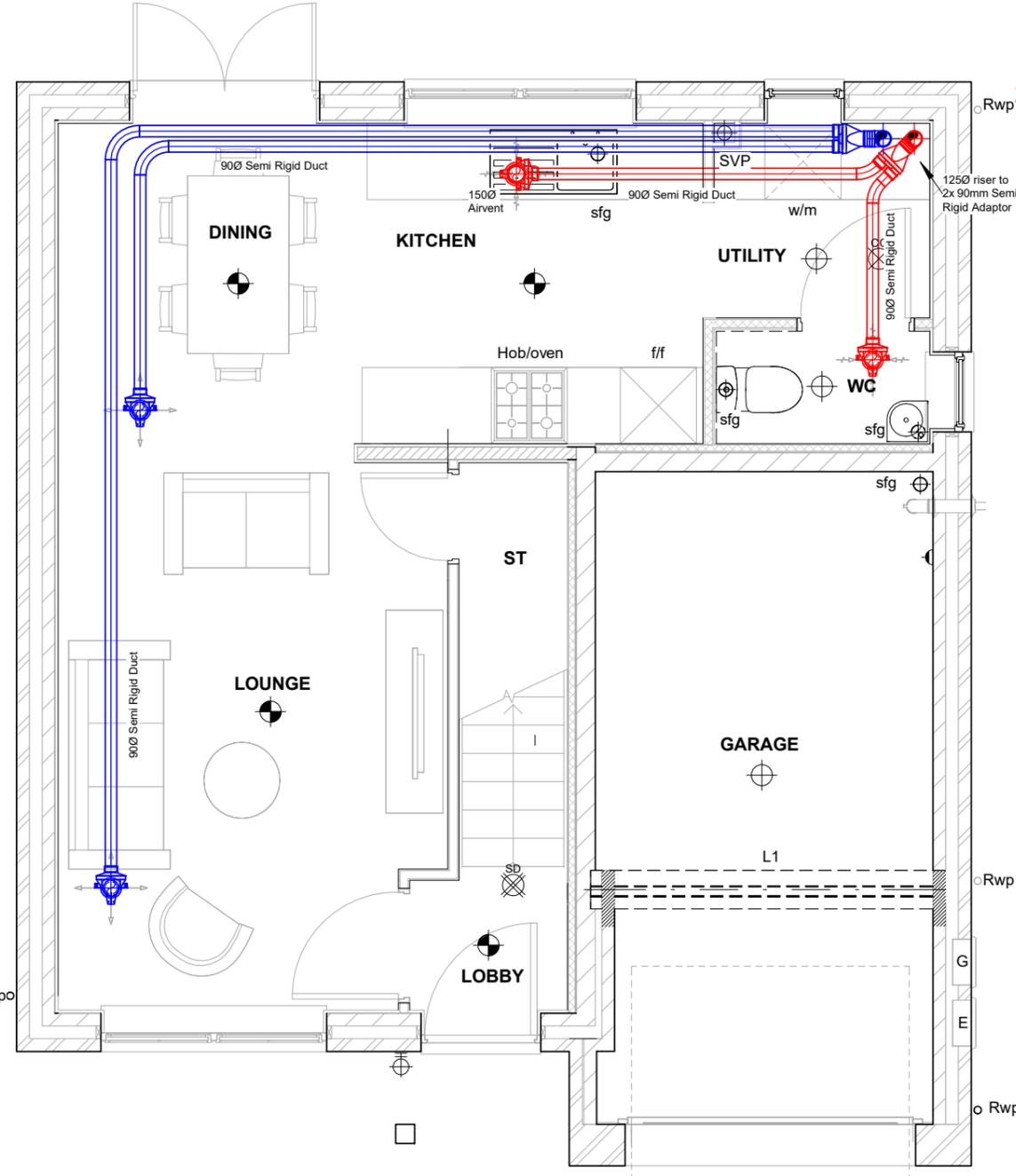


**COMMISSIONING TABLE (l/s)**

EXTRACT	Overheating	Boost	Trickle
Kitchen	27.7	13.0	11.5
WC	12.8	6.0	5.3
Bathroom	17.1	8.0	7.1
En-Suite 1	17.1	8.0	7.1
	74.6	35.0	31.0
SUPPLY	Overheating	Boost	Trickle
Lounge Vent 1	9.6	4.5	4.0
Lounge Vent 2	9.6	4.5	4.0
Bedroom 1 vent 1	13.8	6.5	5.7
Bedroom 1 vent 2	13.8	6.5	5.7
Bedroom 2	14.1	6.6	5.9
Bedroom 3	13.6	6.4	5.7
	74.6	35.0	31.0

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

**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 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. 14,000mm<sup>2</sup> FOR THE KINETIC PLUS OR THE INTEGRA PLUS. 10,080mm<sup>2</sup> FOR ANY OTHER SYSTEM AT THE TERMINAL'S TIGHTEST POINT.



LEGEND	
	Extract diffuser 125mmØ (150Ø in Kitchen only)
	Supply diffuser 125mmØ
	90mmØ Semi Rigid Ducting within Ground Floor ceiling
	125 / 150mmØ Ducting (Pre-insulated in loft space)
	150mmØ Pitched roof Vent
	Sentinel Kinetic Plus Heat Recovery Unit (LH) Ref 443028L

Rev	Date	By	Description
C	24.11.22	AH	Requested Revs. Add Attenuators
B	22.10.22	AH	Semi Rigid in GF ceiling
A	20.10.22	AH	Kinetic Plus to achieve Overheating requirements

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Project  
**B16\_DENBY (MVHR)**

Drawing  
**BDBY\_00HD**

Date 20.10.22 Scale 1:50@A3 Design AH

Drawing No. CAS 15045_07	Rev C
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\*DRAWING ONLY TO BE USED FOR THE PURPOSE OF VENTILATION INSTALLATION