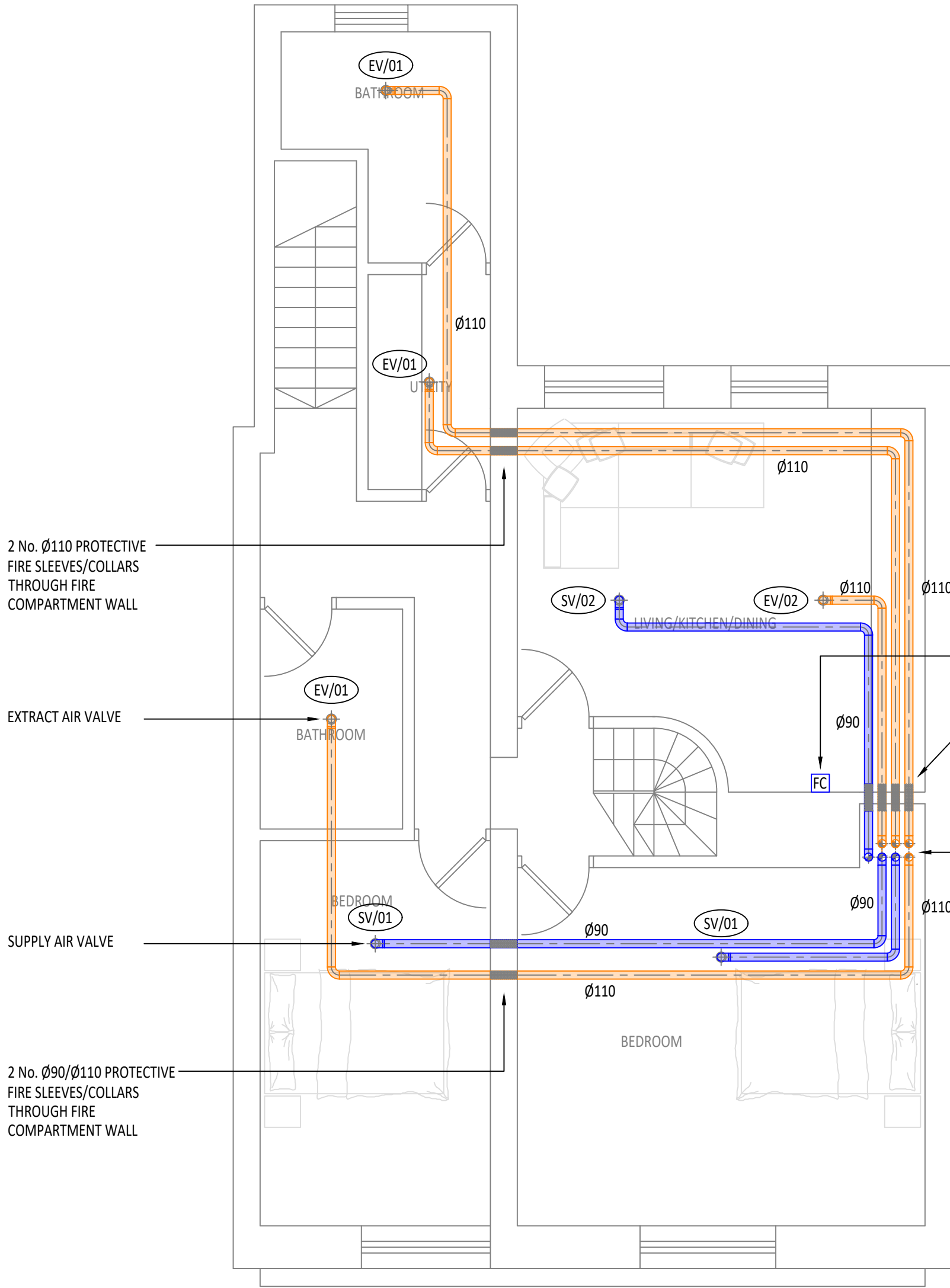
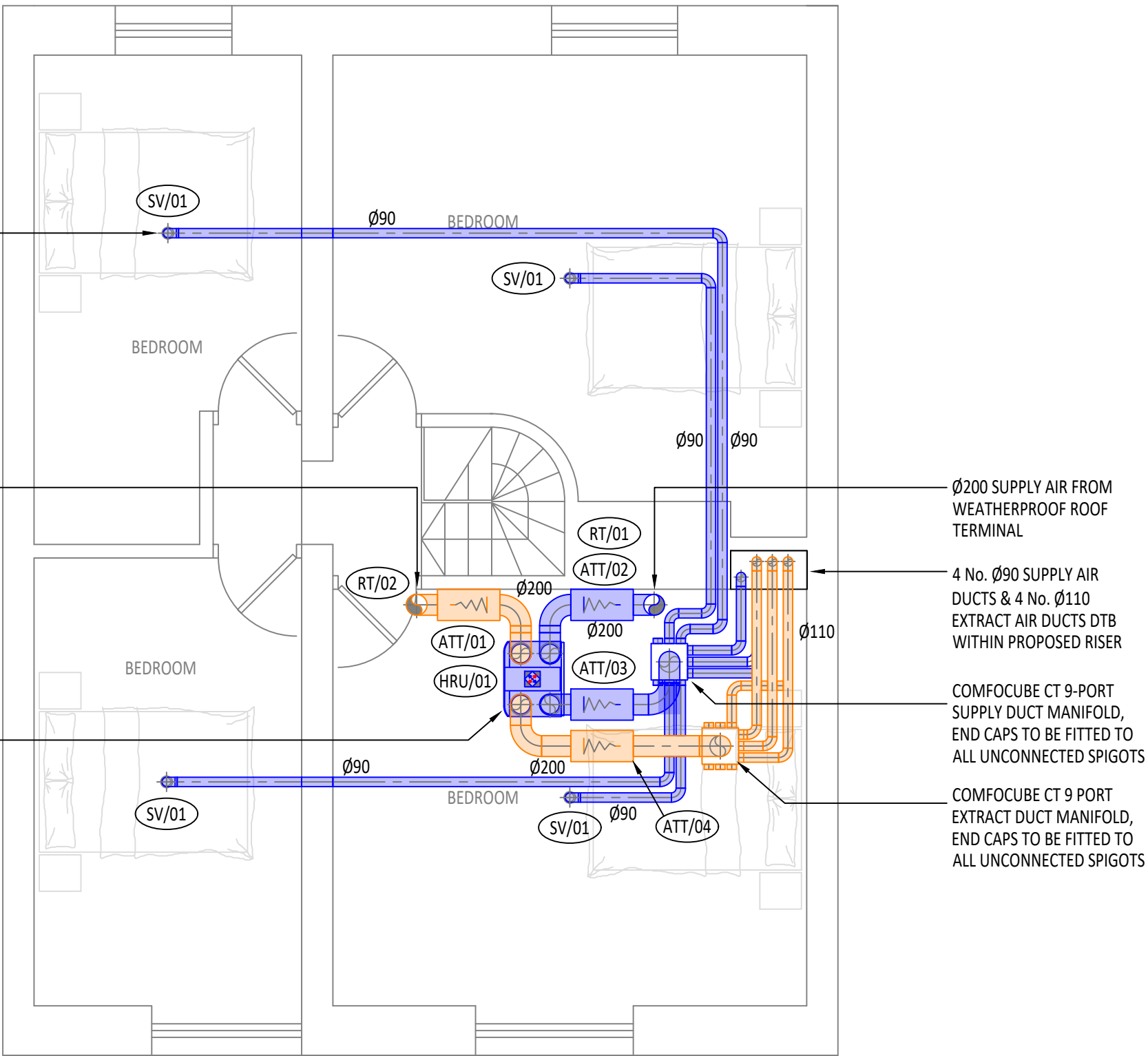




PROPOSED FIRST FLOOR VENTILATION LAYOUT



PROPOSED SECOND FLOOR/ROOF VENTILATION LAYOUT



TYPICAL HEAT RECOVERY UNIT



TYPICAL DUCT MANIFOLD CONNECTION BOX

EQUIPMENT SCHEDULES

1.0 MECHANICAL VENTILATION HEAT RECOVERY UNIT

REFERENCE:	HRU/01
LOCATION:	ROOF VOID
DESCRIPTION:	BALANCED VERTICAL WHOLE HOUSE HEAT RECOVERY UNIT WITH HIGH EFFICIENCY HEAT EXCHANGER & DUAL FAN MOTOR. PROVIDES FRESH INDOOR AIR QUALITY TO HABITABLE ROOMS AND REMOVES ODOR, MOISTURE & STALE AIR FROM WET ROOMS.
MANUFACTURER:	ZEHNDER LTD OR EQUAL
MODEL:	COMFOAIR Q-450 OR EQUAL
ANCILLARIES:	G4/F7 AIR FILTERS, PRE HEATER, FLOOR MOUNTING FRAME, HUMIDITY SENSOR, TEMPERATURE SENSOR & COMFO CONNECT WI-FI INTERFACE
TRICKLE RATE:	49 L/S
BOOST RATE:	95 L/S
PRESSURE:	TBC Pa - SUPPLY TBC Pa - EXTRACT
CONTROL:	MANUFACTURERS FULLY INTEGRATED SMART PHONE WI-FI APPLICATION & CENTRAL WALL MOUNTED CONTROLLER WITH TRICKLE & BOOST OPERATION

DIMENSIONS:	850 mm - HEIGHT 725 mm - WIDTH 570 mm - DEPTH
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WEIGHT: 50 KG

ELECTRICAL: 230V/1 PHASE/50Hz

FUSE RATING: 13A

2.0 SUPPLY VALVES

REFERENCE	QUANTITY	VENT RATE L/S (BOOST)	TYPE
SV/01	6	6 (12)	LUNA S125
SV/02	1	13 (14)	LUNA S125

MANUFACTURER:	ZEHNDER LTD OR EQUAL
DESCRIPTION:	ADJUSTABLE CORE SUPPLY AIR TERMINAL
ANCILLARIES:	TVA-P90 GRILLE HOUSING

3.0 EXTRACT VALVES

REFERENCE	QUANTITY	VENT RATE L/S (BOOST)	TYPE
EV/01	3	12 (24)	LUNA E125
EV/02	1	13 (14)	LUNA E125

MANUFACTURER:	ZEHNDER LTD OR EQUAL
DESCRIPTION:	ADJUSTABLE CORE SUPPLY AIR TERMINAL
ANCILLARIES:	TVA-P90 GRILLE HOUSING

4.0 ROOF TERMINALS

REFERENCE	QUANTITY	DUCT SIZE	TYPE
RT/01 & 02	2	Ø200	BLACK ROOF TERMINAL

MANUFACTURER: ZEHNDER LTD OIR EQUAL

5.0 ATTENUATORS

REFERENCE	QUANTITY	DUCT SIZE	TYPE
ATT/01 - 04	4	Ø200	IN LINE ATTENUATOR

MANUFACTURER: ZEHNDER LTD OR EQUAL

This drawing identifies the design intent and must not be scaled from, or used for Construction Purposes. The Contractor shall produce fully co-ordinated working drawings as detailed within the Contract Specification.
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NOTES

- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DRAWINGS AND SPECIFICATIONS.
- PRIOR TO UNDERTAKING ANY INSTALLATION WORKS ALL SERVICES SHALL BE FULLY CO-ORDINATED WITH ALL OTHER TRADES.
- FOR EQUIPMENT DETAILS & DUTIES REFER TO MECHANICAL SERVICES EQUIPMENT SCHEDULES.
- ALL DUCTWORK SHALL BE INSTALLED IN ACCORDANCE WITH DW144 OR DW154 & BS5422. DUCTWORK SHALL BE IDENTIFIED IN ACCORDANCE WITH BS 1710.
- ALL ACCESS HATCHES & DUCTWORK MAINTENANCE SHALL BE INSTALLED IN ACCORDANCE WITH BS EN 15780:2011 & BESA TR/19.
- WINDOWS MUST BE OPENABLE TO PROVIDE PURGE VENTILATION AND ACHIEVE MINIMUM PURGE VENT RATE EQUIVALENT TO 4 ACH.
- FIRE SLEEVES/COLLARS OR DAMPERS SHALL BE INSTALLED TO ALIGN WITH THE FIRE COMPARTMENTATION AND MINIMISE RISK OF COLD SMOKE PASSAGE DIRECT BETWEEN SLEEPING ACCOMMODATION AND BETWEEN FIRE COMPARTMENT FLOORS
- CONDENSATE DRAIN FROM UNIT TO BE INSTALLED C/W DRY (HEPVO) TRAP CONNECTING INTO EXISTING SOIL VENT STACK, LOCATION AND ROUTE TO BE CONFIRMED ON SITE

LEGEND

	SUPPLY AIR DUCT
	EXTRACT AIR DUCT
	PROTECTIVE FIRE SLEEVE
	CEILING MOUTED SUPPLY/RETURN AIR TERMINAL
	ATTENUATOR
	FAN CONTROLLER

BAA	06.08.26	BAA	PRELIMINARY ISSUE	MAA	JWS
REV	DATE	BY	DESCRIPTION	CHK	APP



CLIENT	D BILGIC
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PROJECT	HMO CONVERSION 33 CATHERINE STREET, SALISBURY, SP1 2DQ
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TITLE	MECHANICAL ENGINEERING SERVICES PROPOSED VETNILATION LAYOUT
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PROJECT NO.	1832	STAGE	4 - TECHNICAL DESIGN
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SCALE	1:50	SHEET	A1	DRAWN BY	BAA	DATE	AUG 2026
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DRAWING REF	1872-SINE-XX-ZZ-DR-M-5700
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STATUS DESCRIPTION	SUITABLE FOR INFORMATION	STATUS	S2	REV	P01
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