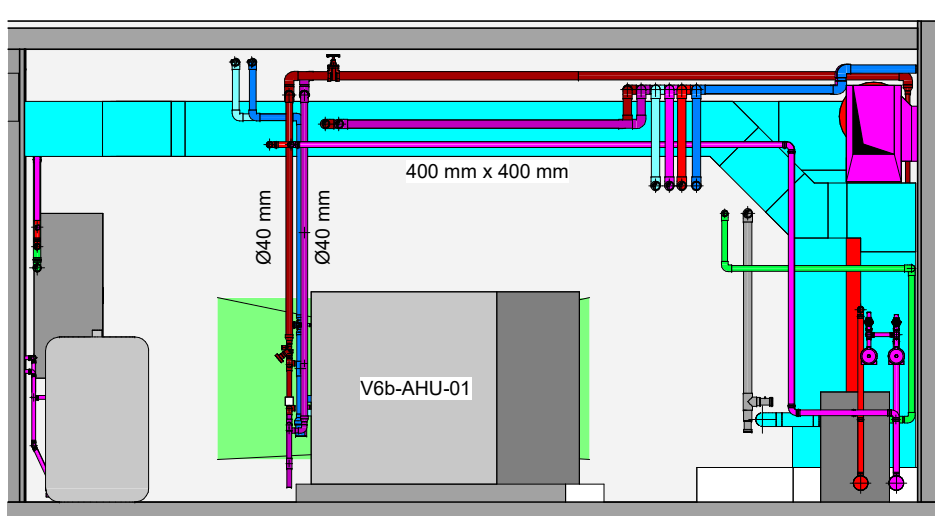
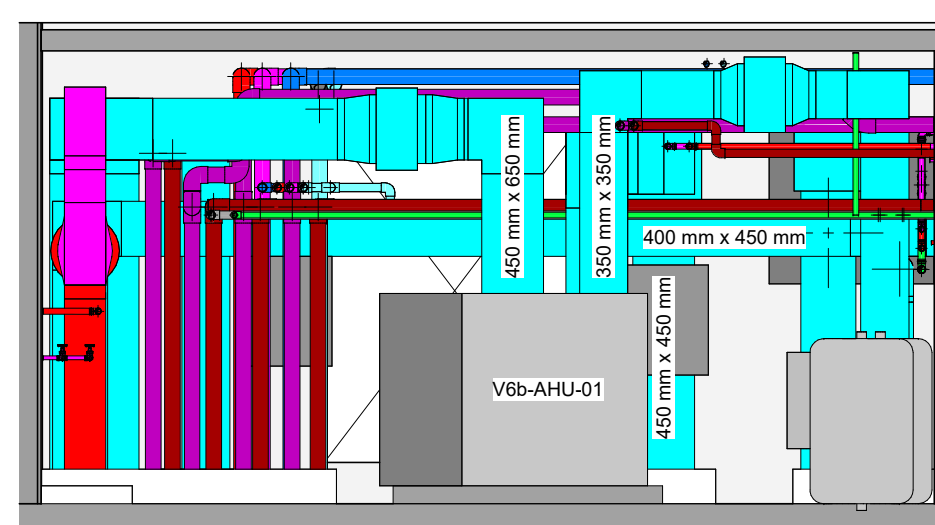
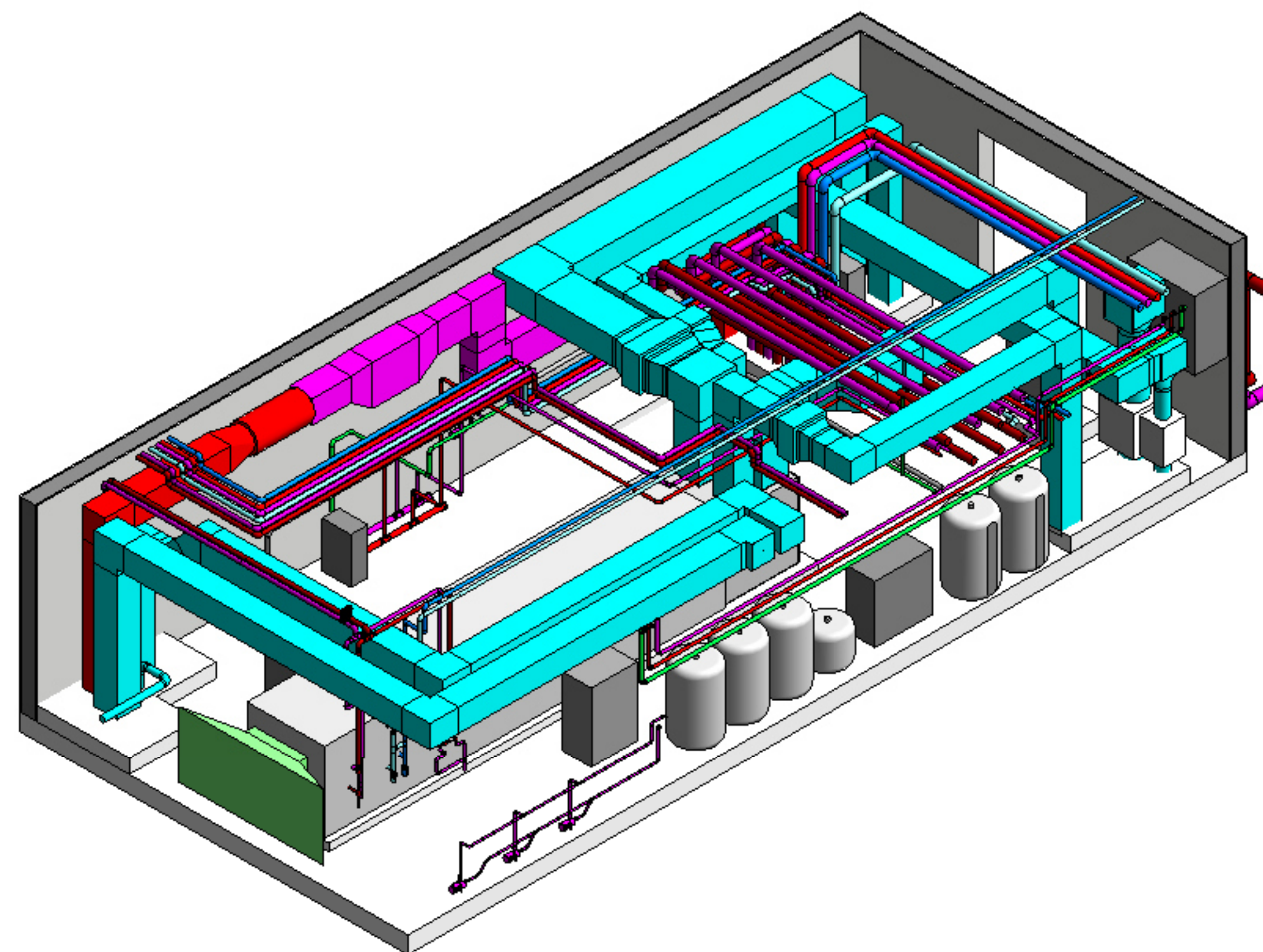
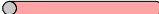




COMBINED SERVICES PIPEWORK REFERENCE KEY

	LTHW-F PIPEWORK
	LTHW-R PIPEWORK
	MTHW-F PIPEWORK
	MTHW-R PIPEWORK
	STEAM PIPEWORK
	CONDENSATE PIPEWORK
	CWS PIPEWORK

COMBINED SERVICES DUCTWORK REFERENCE KEY

	RETURN AIR DUCTWORK
	SUPPLY AIR DUCTWORK
	FRESH AIR DUCTWORK
	EXHAUST AIR DUCTWORK

VENTILATION SERVICES INSTALLATION NOTES	
1.00	THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER ARCHITECTS, STRUCTURAL ENGINEERS AND BUILDING SERVICES ENGINEERS DRAWINGS, SPECIFICATIONS AND SCHEDULES.
2.00	ALL FINAL SETTING OUT TO BE BY ARCHITECT
3.00	FOR CLARITY ON ALL DUCTWORK SIZES, FIXTURES/FITTINGS AND INSTRUMENTATION PLEASE REFER SPECIFICATIONS DRAWING.
4.00	ALL DUCTWORK SIZES IN MILLIMETERS.
5.00	ALL DUCTWORK SYSTEM FITTINGS AND FITTINGS TO MATCH LINE SIZE'
6.00	THE CONTRACTOR SHALL ALLOW ALL ANCILLARIES AND CONNECTION PIECES REQUIRED FOR A COMPLETE INSTALLATION.
7.00	ALL GENERAL DUCTWORK SHALL BE GALVANISED SHEET METAL.
8.00	ALL DUCTWORK SHALL COMPLY WITH HVCA DW144, SPECIFICATION FOR SHEET METAL DUCTWORK.
9.00	ALL VOLUME CONTROL DAMPERS SHALL BE LOCATED AT A DISTANCE OF AT LEAST 3 TIMES THE DUCT WIDTH FROM A MAIN SUPPLY DUCT BRANCH CONNECTION OR BEND.
10.00	ACCESS DOORS SHALL BE PROVIDED TO FACILITATE RESET OF ALL FIRE/SMOKE DAMPERS. ACCESS DOOR POSITIONS SHALL BE CO-ORDINATED WITH ARCHITECTS LAYOUTS.
11.00	ALL FIRE SMOKE DAMPERS SHALL BE INSTALLED IN ACCORDANCE WITH DW145 & IN STRICT ACCORDANCE WITH TESTED & CERTIFIED MANUFACTURERS DETAILS.
12.00	ALL FIRE DAMPERS TO BE EQUIPPED WITH ACCESS HOLES/ PANELS ON EITHER SIDE OR AT LEAST ONE SIDE.
13.00	CONTRACTOR TO REVIEW FIRE CERTIFICATE APPLICATION AND IS TO ALLOW FIRE DAMPER AT EVERY COMPARTMENT DIVISION.
14.00	ATTENUATORS OR LININGS SHALL BE PROVIDED AS NECESSARY TO MAINTAIN REQUIRED NOISE LEVELS AS PER SPECIFICATION.
15.00	MECHANICAL CONTRACTOR SHALL ALLOW FOR ALL NECESSARY DUCTWORK TRANSFORMATION PIECES TO CONNECT BETWEEN DUCTWORK AND FITTINGS.
16.00	VCD'S TO BE INCLUDED AT EVERY BRANCH FROM VENTILATION AND AC SYSTEMS.
17.00	ALL FILTERS SHALL BE REPLACED AT POINT OF HANDOVER.
18.00	ALL SUPPLY AIR TERMINALS ARE TO BE INSTALLED WITH PLENUM BOXES WITH A SPIGOT TO MATCH THE DUCT FEEDING IT. THE BOX SHALL BE SIZED TO MATCH DIFFUSER MANUFACTURER RECOMMENDATIONS AND AT A MINIMUM HAVE 50MM ABOVE AND BELOW THE SPIGOT WITH AN AREA TO ALLOW FOR THE DIFFUSION OF THE DISCHARGE. PROVISION FOR PRICING, PLENUM BOXES SHALL BE SIDE ENTRY UNLESS CO-ORDINATION DOES NOT PERMIT SAME. PLENUM BOXES SHALL BE ACOUSTICALLY LINED INTERNALLY.
19.00	FLEXIBLE CONNECTIONS BETWEEN HARD DUCT AND PLENUM BOXES SHALL BE LIMITED TO 300MM LONG.
20.00	FIRE RESISTING ENCLOSURES ARE TO BE USED WHERE ANY DUCTWORK PENETRATES THROUGH TO NONFIRE ROOMS.
21.00	CONTRACTOR TO INCLUDE FOR FULL TURNKEY PROVISION OF A NONPENETRATIVE ROOF SUPPORT SYSTEM TO SUPPORT ALL BUILDING SERVICES PLANT AND ANCILLARY SERVICES. THE DESIGN OF WHICH SHALL BE CONFIRMED WITH THE PROJECT STRUCTURAL ENGINEER.
22.00	ANY DUCT WORK TRAY ON ROOF LEVEL CROSSING ACCESS WALKWAYS ARE TO BE PROVIDED WITH GALVANISED STEEL STEP OVERS.
23.00	LOCATION OF ROOM CONTROLLERS IDENTIFIED ON MECH WIRING LAYOUTS. FINAL POSITION TO BE AGREED WITH ARCHITECT
24.00	ALL DUCTWORK AND SPIGOTS SHALL BE INSULATED AND LABELLED IN LINE WITH THE SPECIFICATIONS.
25.00	COMMISSIONING SHALL BE CARRIED OUT IN ACCORDANCE WITH CIBSE COMMISSIONING CODE M: COMMISSIONING MANAGEMENT.

13.05.2026	TENDER ISSUE	C.O'N	J.F.	S.S.	\$0	P01
DATE	DESCRIPTION	DRN	ENG	APP	STATUS	REV

DRAWING TITLE
**MECHANICAL SERVICES INSTALLATION
V6B PLANTROOM
EXISTING COMBINED SERVICES LAYOUT**

in2engineering.com

MECHANICAL SERVICES INSTALLATION V6B PLANTROOM EXISTING COMBINED SERVICES LAYOUT	STAGE	SIZE A1	STATUS S0
	DRAWING No. B2506-IN2-V6B-01-DR-ME-0901	IN2 REF: B2605	SCALE 1 : 50
			REVISION P01



QR-linked visuals are not live-linked and may not correspond exactly with this drawing. They are provided for information/visualisation purposes only.

