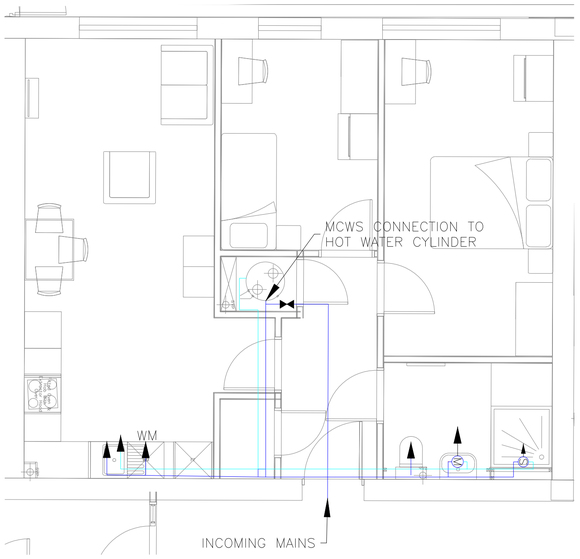
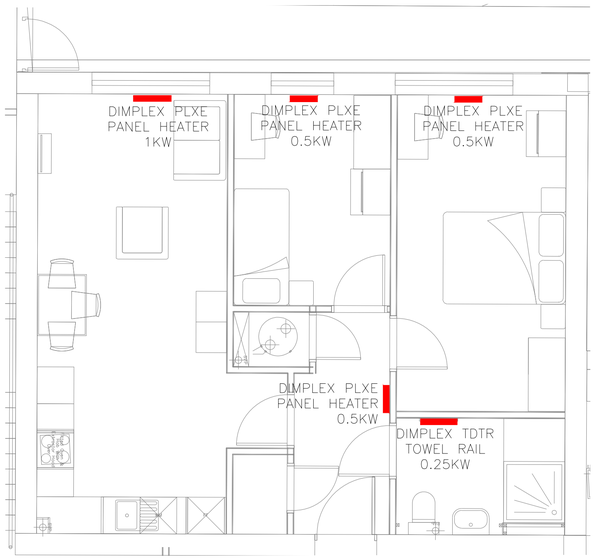
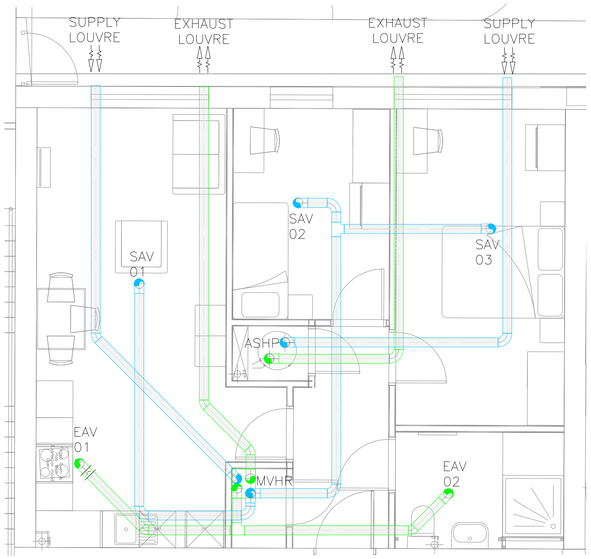


01 / 9002 WATER LAYOUT
TYPICAL APARTMENT 1:50



02 / 9002 HEATING LAYOUT
TYPICAL APARTMENT 1:50



03 / 9002 VENTILATION LAYOUT
TYPICAL APARTMENT 1:50



04 / 9002 SOILS & WASTE LAYOUT
TYPICAL APARTMENT 1:50

DOMESTIC SERVICES NOTES

1. THIS IS A PRELIMINARY ISSUE DRAWING ONLY.
2. THE MECHANICAL SUB-CONTRACTOR SHOULD PREPARE THEIR OWN CONSTRUCTION/WORKING DRAWINGS BASED UPON THIS AND OTHER ARCHITECTURAL AND STRUCTURAL ENGINEERING DRAWINGS (AVAILABLE FROM OTHERS).
3. ALL PLANT AND EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
4. ALL PIPEWORK SHALL BE COPPER TO BS EN 1057: 2006 R250 (BS2871 TABLE X) WITH EITHER CAPILLARY OR CRIMPED FITTINGS. CONEX MECHANICAL FITTINGS NOT ACCEPTABLE.
5. ALL CONCEALED DHWS & CWS PIPEWORK AND INSTALLED IN PLANT ROOMS AND EXPOSED AT HIGH LEVEL SHALL BE INSULATED IN ACCORDANCE WITH THE PROJECT SPECIFICATION.
6. ALL MCWS PIPEWORK SHALL BE INSULATED AND VAPOUR SEALED IN ACCORDANCE WITH THE PROJECT SPECIFICATION.
7. THE INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE WATER SUPPLY (WATER FITTINGS) REGULATIONS 1999, HSC L8 AND BS 8558 AND BS EN806.
8. ALL VISIBLE PIPEWORK AND FITTINGS (EXCLUDING VALVES AND CHROME FINISH) SHALL BE FULLY INSULATED AND OVERCLAD WITH VENTURETAPE CLADDING LEFT READY FOR DECORATIVE PAINTING (BY OTHERS). WHERE NOTES ON THE DRAWINGS.
9. ALL INDIVIDUAL BRANCH PIPES TO ITEMS OF SANITARY WARE SHALL BE COMPLETE WITH LEVER ACTION TYPE ISOLATION VALVES.
10. THE CONTRACTOR SHALL ALLOW TO MAKE ALL FINAL CONNECTIONS TO SANITARY WARE ITEMS AND ITEMS OF EQUIPMENT.
11. PIPES PASSING THROUGH WALLS SHALL BE FULLY SLEEVED AND FINISHED WITH COVER PLATES TO BOTH SIDES OF THE CONSTRUCTION & FIRE STOPPED ACCORDINGLY.
12. PIPES PASSING THROUGH CEILINGS SHALL BE FINISHED WITH COVER PLATES TO THE VIEWABLE FACE.
13. CONTRACTOR TO INCLUDE FOR STERILISATION OF WATER SERVICES FOLLOWING MODIFICATIONS.
14. CONTRACTOR TO INCLUDE FOR TEMPERATURE & FLOE FAILURE CHECKS TO ALL NEW AND EXISTING HWS OUTLETS AND CWS OUTLETS AND ALSO THE RECORDING OF HWS RETURN TEMPERATURES.
15. CONTRACTOR TO INCLUDE FOR COLONY COUNT, LEGIONELLA & PSEUDOMONAS CHECKS TO WATER SERVICES UPON COMPLETION & PRIOR TO HANDOVER.
16. CONTRACTOR TO INCLUDE FOR COMMISSIONING & SETTING TO WORK THERMOSTATIC VALVES/TAPS INCLUDING TEMPERATURE & FLOW FAILURE CHECKS.

HEATING NOTES

1. THIS IS A PRELIMINARY ISSUE DRAWING ONLY.
2. THE MECHANICAL SUB-CONTRACTOR SHOULD PREPARE THEIR OWN CONSTRUCTION/WORKING DRAWINGS BASED UPON THIS AND OTHER ARCHITECTURAL AND STRUCTURAL ENGINEERING DRAWINGS (AVAILABLE FROM OTHERS).
3. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.

VENTILATION NOTES

1. THIS IS A PRELIMINARY ISSUE DRAWING ONLY.
2. THE MECHANICAL SUB-CONTRACTOR SHOULD PREPARE THEIR OWN CONSTRUCTION/WORKING DRAWINGS BASED UPON THIS AND OTHER ARCHITECTURAL AND STRUCTURAL ENGINEERING DRAWINGS (AVAILABLE FROM OTHERS).
3. ALL PLANT AND EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
4. ALL DUCTWORK SHALL BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH HVCA DW144.
5. DUCTWORK SHALL HAVE ACCESS PANELS IN ACCORDANCE WITH THE REQUIREMENTS OF DW144, THE CONTRACTOR SHALL INCLUDE FOR THE INSTALLATION OF ACCESS DOORS AS NECESSARY TO AID DUCTWORK CLEANING (SEE NOTE 11 BELOW).
6. FIRE DAMPERS/SMOKE DAMPERS SHALL BE PROVIDED WHERE DUCTWORK PASSES THROUGH ANY FIRE RATED STRUCTURE. ACTIONAIR FIRE SHIELD/ACTIONAIR SMOKE SHIELD TYPE WITH BLADES OUT OF THE AIRSTREAM.
7. ALL VENTILATION INSTALLATIONS SHALL COMPLY WITH THE REQUIREMENTS OF BUILDING REGULATIONS PART F.
8. DUCTWORK INSTALLATION SHALL BE TO BESA/TR19 PROTECTION, DELIVERY AND INSTALLATION (PDI) (ADVANCED) CLEANLINESS QUALITY CLASS (MEDIUM).
9. CONTRACTOR TO INCLUDE FOR DUCTWORK CLEANING IN ACCORDANCE WITH HVCA/TR19 BY AN APPROVED SPECIALIST CONTRACTOR & CERTIFIED ACCORDINGLY.
10. ALL FIRE & SMOKE DAMPERS TO BE INSTALLED STRICTLY IN ACCORDANCE OF DW145.

SOILS & WASTE NOTES

1. THIS IS A PRELIMINARY ISSUE DRAWING ONLY.
2. THE MECHANICAL SUB-CONTRACTOR SHOULD PREPARE THEIR OWN CONSTRUCTION/WORKING DRAWINGS BASED UPON THIS AND OTHER ARCHITECTURAL AND STRUCTURAL ENGINEERING DRAWINGS (AVAILABLE FROM OTHERS).
3. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
4. DRAINAGE TO COMPLY WITH BS EN 12056-1 & 12056-2.
5. ALL DRAINAGE TO COMPLY WITH APPROVED DOCUMENT 'H'.
6. ALL PENETRATIONS TO ABOVE AND BELOW THROUGH FLOORS TO BE FITTED WITH HILTI FIRE COLLARS.

TYPICAL APARTMENT LAYOUT APPLIES TO FLATS:
- FLAT 02
- FLAT 11
- FLAT 20

ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE INDICATED.

DO NOT SCALE FROM THIS DRAWING. IF IN DOUBT ASK.

THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATION AND ALL OTHER PROJECT DOCUMENTATION.

WATER LEGEND

- WASH HAND BASIN MIXER
- SHOWER MIXER
- COLD OUTLET
- HOT OUTLET
- COLD WATER MAIN RISER
- MAINS ISOLATION VALVE

HEATING LEGEND

- ELECTRIC PANEL HEATER

VENTILATION LEGEND

ASHP – AIR SOURCE HEAT PUMP
MVHR – MECHANICAL VENTILATION WITH HEAT REDUCTION
EXT – EXTRACT
SUP – SUPPLY

- VCD – VOLUME CONTROL DAMPER
- SUPPLY AND EXTRACT – CIRCULAR DUCTWORK
- MVHR
- SUPPLY AND EXTRACT CIRCULAR AIR VALVE

SOILS LEGEND

- BOSS BRANCH
- BRANCH
- TRAP

Revision	Date	Description
P1	13.06.25	PRELIMINARY ISSUE

Client & Site
JIGSAW HOMES
APOLLO PUB
MILES PLATTING

Title
MECHANICAL SERVICES LAYOUT
COMBINED SERVICES LAYOUT
TYPICAL APARTMENT LAYOUT
TYPE 02

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Scale: NTS Size: A1 Drawn: EN Chkd: NB
ISO19650 Compliant
Drawing No.

Project	Origin	Zone	Level	File Type	Role	Number	Suitability	Rev:
4514	SHA	XX	XX	DR	M	9002	S2	P1

PRELIMINARY

WELLMAN ENGINEERING

V:\4514 - Sites Planning\5 Drawings\3 Mechanical Engineers\M9000 - Typical Apartment.dwg
Plot Date: 13 June 2025 Lauren Hands - 4514-SHA-XX-XX-DR-M-9002 - Paper Size: ISO (A1 Sheet in) (594.00 x 841.00 MM)