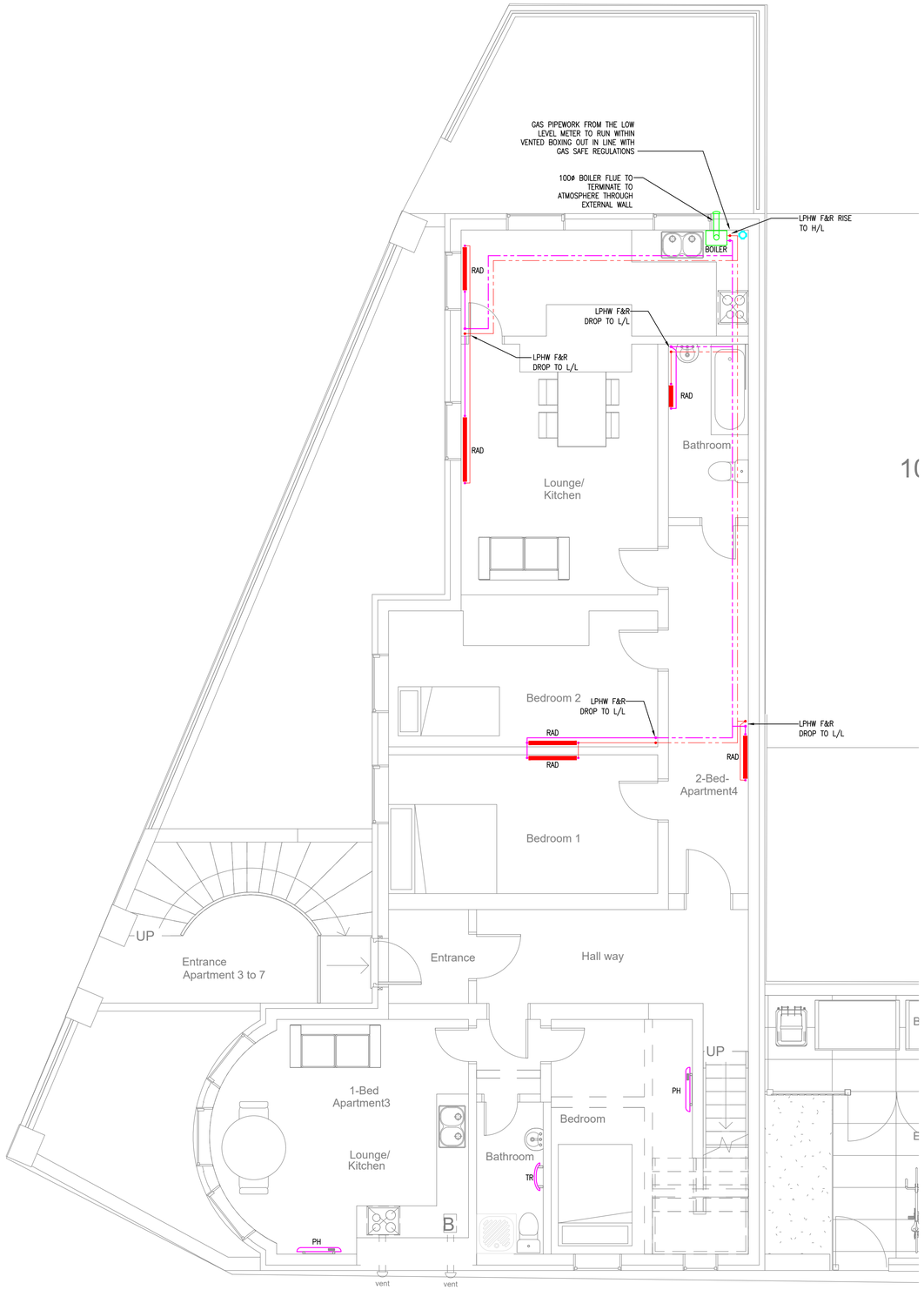

Notes:

BASE ARCHITECT DRAWING – A1225(02)AP002
DATE RECEIVED – 24-07-23

GENERAL

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS INDICATED.
2. DO NOT SCALE FROM THIS DRAWING
3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL, STRUCTURAL AND ENGINEERING SERVICES DRAWINGS, SPECIFICATIONS AND ALL OTHER DOCUMENTS ISSUED WITH THIS CONTRACT.
4. THIS DRAWING SHOWS DESIGN INTENT ONLY. IT SHALL BE THE TENDERING CONTRACTORS RESPONSIBILITY FOR THE DESIGN, SUPPLY, INSTALL, TEST, COMMISSION AND SET TO WORK THE SYSTEMS.
5. ON COMPLETION AND PRIOR TO HANDOVER, THE MECHANICAL CONTRACTOR SHALL PROVIDE 2Nr. COPIES OF O&M MANUALS/ AS FITTED DRAWINGS ETC. ILLUSTRATING ALL THE MECHANICAL SERVICES UNDERTAKEN AS PART OF THIS CONTRACT.
6. SERVICES DETAILED ON THIS LAYOUT DRAWING HAVE BEEN ZONALLY CO-ORDINATED ONLY; IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO UNDERTAKE THE FINAL DETAILED AND FULL CO-ORDINATION OF ALL SERVICES AND BUILDING ELEMENTS.
7. A PROGRAMME OF WORKS DETAILING DATES FOR SUBMISSION OF WORKING DRAWINGS AND OTHER DOCUMENTATION SHALL BE PREPARED AT THE START OF THE CONTRACT BY THE CONTRACTOR. ALL PARTIES SHALL AGREE WITH THIS PROGRAMME OF DOCUMENT SUBMITTAL.
8. SUBMISSION OF ALL DETAILED WORKING DOCUMENTATION SHALL BE ISSUED IN A TIMELY MANNER IN ORDER TO ALLOW THE CLIENTS PROFESSIONAL TEAM SUFFICIENT TIME TO REVIEW ITS CONTENTS PRIOR TO COMMENCING INSTALLATION WORKS OR PROCURING MATERIALS. THE CLIENT AND HIS PROFESSIONAL TEAM SHALL ONLY PASS COMMENT ON THE DOCUMENTATION AND NOT APPROVE THESE ITEMS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DETAILED DESIGN OF ALL SPECIALIST SERVICES BASED UPON THE DESIGN INTENT INDICATED ON THE LAYOUT DRAWINGS AND PROJECT DOCUMENTATION.
10. THE CONTRACTOR SHALL ENSURE ALL EQUIPMENT IS INSTALLED TO ALLOW ACCESS FOR INSTALLATION, COMMISSIONING, MAINTENANCE, CLEANING AND REMOVAL.
11. ALL MOUNTING HEIGHTS FOR OUTLETS/ACCESSORIES SHALL COMPLY WITH PART M BUILDING REGULATIONS.
12. ALL OUTLETS SHALL BE SITED AND SELECTED SUCH THAT FINISHES CONTRAST BETWEEN SURFACES IS FULLY COMPLIANT WITH THE REQUIREMENTS OF PART M BUILDING REGS.
13. FIRE STOPPING SHALL BE PROVIDED WHERE SERVICES PENETRATE FIRE COMPARTMENTS.

HEATING SERVICES NOTES

1. ALL RADIATORS SHALL BE FED VIA B.B.O.E CONNECTIONS WITH A TRV ON THE FLOW AND LSV ON THE RETURN.
2. ALL FITTINGS USED SHALL MATCH THE PIPEWORK SPECIFICATION USED.
3. ALL PIPES THROUGH WALLS, FLOORS AND CEILINGS SHALL BE SLEEVED AND FITTED WITH PIPE COVERS.
4. HEATING FLOW AND RETURN TEMPERATURES SHALL BE 60°C FLOW AND 40°C RETURN UNLESS STATED OTHERWISE.
5. AAV's SHALL BE INSTALLED ON ALL SYSTEM HIGH POINTS.
6. DOC's AND DIRT POCKETS SHALL BE PROVIDED TO ALL SYSTEM LOW POINTS AND END OF PIPE RUNS.
7. THERMAL INSULATION SHALL BE APPLIED TO ALL PIPEWORK IN VOIDS, RISER BOXINGS AND WHERE IT IS NOT REQUIRED TO PROVIDING INCIDENTAL SPACE HEATING.
8. ALL PIPEWORK AND HEAT EMITTERS SHALL BE ADEQUATELY SUPPORTED VIA FIXINGS TO THE BUILDING STRUCTURE.
9. THE MAIN/MECHANICAL CONTRACTOR SHALL COORDINATE ALL BOXING IN WITH THE ARCHITECT.
10. EACH GAS COMBINATION BOILER SHALL BE INSTALLED COMPLETE WITH WEATHER COMPENSATION AND WHERE THE LIVING AREA IS GREATER THAN 70% OF TOTAL FLOOR AREA, A 7 DAY/24 HOUR PROGRAMMER AND ROOM THERMOSTAT SHALL BE PROVIDED, WITH TRVS INSTALLED ON EACH RADIATOR. ANY OTHER DWELLINGS, A TIME AND TEMPERATURE ZONE CONTROLS SHALL BE INSTALLED, COMPLETE WITH THERMOSTATIC RADIATOR VALVES.

Legend:

LPHW	LOW PRESSURE HOT WATER
BOILER	IDEAL LOGIC MAX COMBI 24kW BOILER
F&R	FLOW AND RETURN
H/L	HIGH LEVEL
L/L	LOW LEVEL
	LOW PRESSURE HOT WATER FLOW PIPEWORK
	LOW PRESSURE HOT WATER RETURN PIPEWORK
	PIPEWORK AT HIGH LEVEL

Legend:
TR TOWEL RAIL
PH-- PANEL HEATER

REV	DESCRIPTION	DWN	CHK'D	DATE
P2	REVISED BATHROOM LAYOUT	DB	PH	18.09.23
P1	PRELIMINARY ISSUE	DB	PH	30.08.23

STATUS
PRELIMINARY ISSUE

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DWN	DATE	CHK'D	DATE	APP	DATE	SCALE@A1
						1:50

CLIENT

PROJECT
FENTON HOUSE

TITLE
PROPOSED HEATING SERVICES
LEVEL 2

Viridian
Consulting Engineers Limited
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DRAWING No. 22541(56)002
REV P2