COPYRIGHT

THIS DESIGN IS THE COPYRIGHT OF LACHMANN CONSULTANTS LTD AND MAY NOT BE REPRODUCED IN ANY FORM WHATSOEVER WITHOUT THEIR PRIOR EXPRESS WRITTEN CONSENT

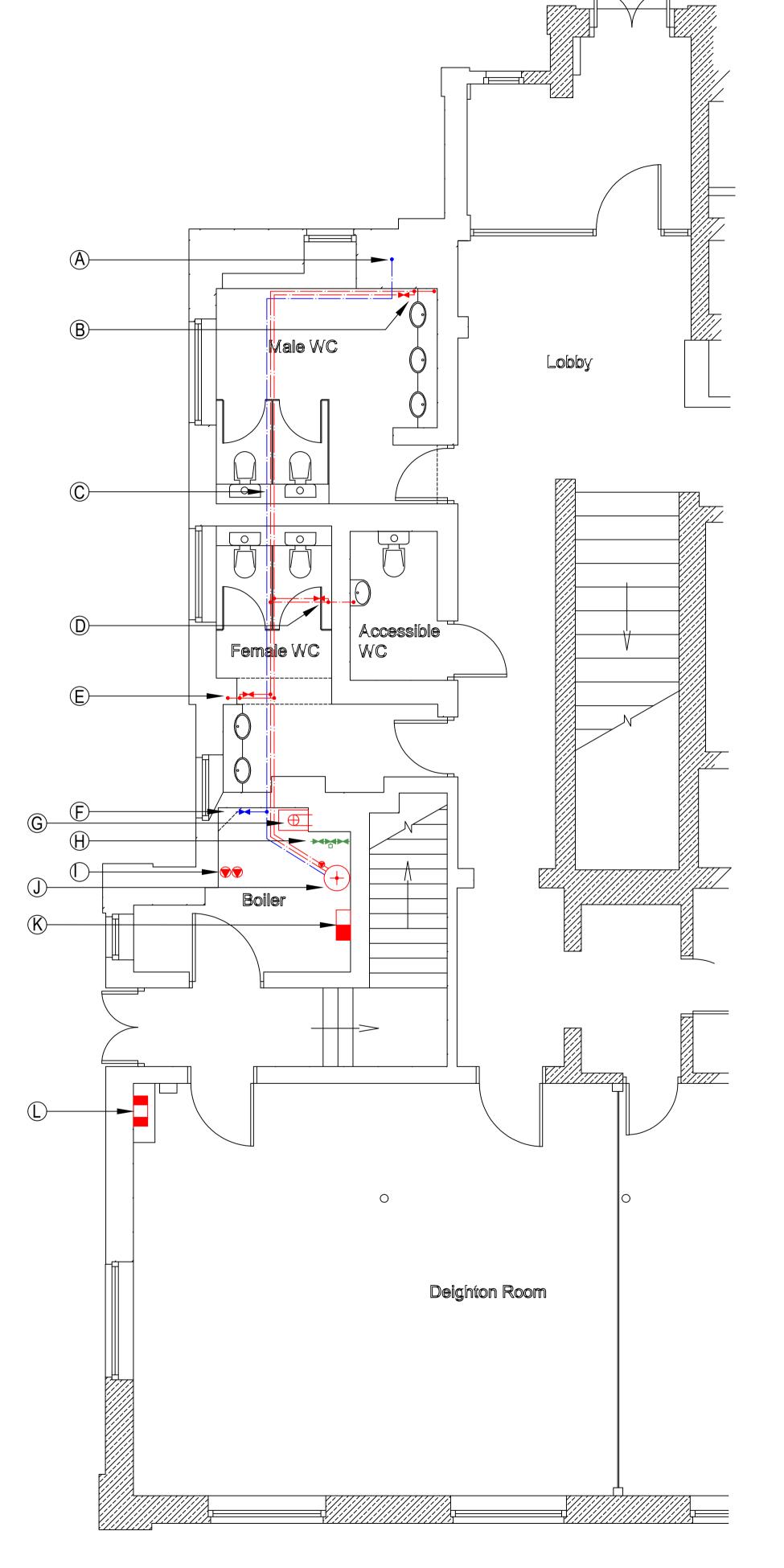
DRAWING NOTES

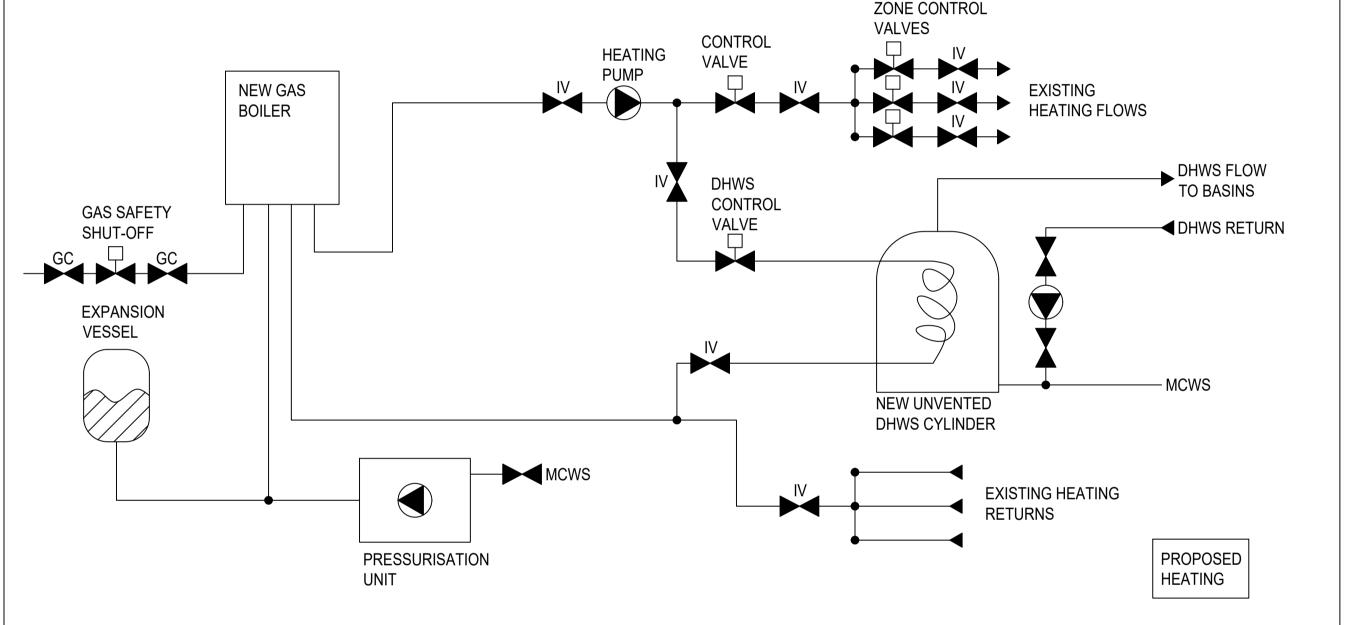
- A. CONNECT TO EXISTING MCWS SUPPLY TO REMOVED GAS HEATER AND EXTEND TO NEW UNVENTED STORAGE CYLINDER. ENSURE NO DEAD LEGS REMAIN. RECONNECT HWS TO FIRST FLOOR SINK.
- B. CONNECT TO EXISTING HOT WATER SERVICE DROPPING TO BASINS AND FIRST FLOOR SINK WITH NEW HOT WATER SUPPLY. CONNECT IN DHWS RETURN IN VOID TO REDUCE DEAD LEG.
- C. APPROXIMATE ROUTE OF NEW DHWS F+R AND MCWS IN CEILING VOID. (NOTE EXACT ROUTE TO BE DETERMINED ON SITE).
- D. CONNECT TO EXISTING HOT WATER DROPPING FOR FEED BASIN. (POSITION ASSUMED).
- E. CONNECT TO EXISTING HOT WATER DROPPING TO FEED BASIN. (POSITION ASSUMED).
- F. MCWS FOR PRESSURISATION UNIT.
- G. NEW WALL HUNG GAS FIRED BOILER, C/W FANNED FLUE ARRANGEMENT. FLUE LINK TO BE INSTALLED IN EXISTING CHIMNEY. FRESH AIR FROM EXISTING WALL LOUVRES. (NB EXISTING BOILER IS A CONCORD CXA80).
- H. INSTALL NEW GAS SOLENOID VALVE WITH LINKS TO 'THERMAL LINK' ABOVE BOILER AND POTENTIAL FOR FIRE ALARM CONNECTION (LINE SIZE 28mm).
- I. INSTALL NEW TWIN HEAD PUMP, INVERTER DRIVEN. (NB EXISTING GRUNDFOS UPSD 40-60F).
- J. INSTALL NEW UNVENTED CYLINDER, WITH 120L STORAGE, C/W INDIRECT COIL AND THERMOSTAT, AND 3kW ELECTRIC IMMERISON HEATER WITH THERMOSTAT.
- K. NEW PLANTROOM DB.L. EXISTING MAIN POWER SUPPLY.

GENERAL NOTES

- 1. HEATING PIPEWORK IN BOILERHOUSE TO BE STEEL, WITH EITHER THREADED JOINTS OR PRESSFIT COMPONENTS.
- 2. HEATING TO INCLUDE MIKROFILL PRESSURISATION UNIT AND EXPANSION VESSEL, OR EQUAL.
- ALL HEATING PIPEWORK TO BE INSULATED.
- 4. BOILER TO BE BASED ON MINIMUM OUTPUT OF 80kW, AND TO INCLUDE INTEGRAL PROGRAMMER AND CONTROLS FOR HWS.
- 5. CONTRACTOR TO INCLUDE FOR CHEMICAL FLUSH OF HEATING AND INTRODUCTION OF SUITABLE CORROSION INHIBITOR
- 6. CONTRACTOR TO INCLUDE ALL POWER SUPPLIES FROM NEW LOCAL DB (1PH), TO BE FED FROM MAIN DB IN HALL. THESE TO INCLUDE:

 a. BOILER
- b. HEATING PUMPSc. HWS SECONDARY PUMP (C/W TIMER)
- d. IMMERSION HEATER e. GAS CONTROL PANEL
- 7. CONTRACTOR TO ALLOW FOR INSULATION OF ALL PIPEWORK SERVICES.
- 8. ALL DOMESTIC SERVICES TO BE CHLORINATED AND CERTIFICATION PROVIDED.
- 9. ALL DOMESTIC SERVICES TO BE IN COPPER WITH SOLDERED JOINTS.







Client/Project

WETHERBY TOWN HALL BOILER REPLACEMENT

PROPOSED HEATING AND HOT WATER SERVICES

Scale Size Date Drawn Chec NTS A1 31.02.2025 SP NP

TENDER

Drawing No 2025/MECH2

GROUND FLOOR PLAN