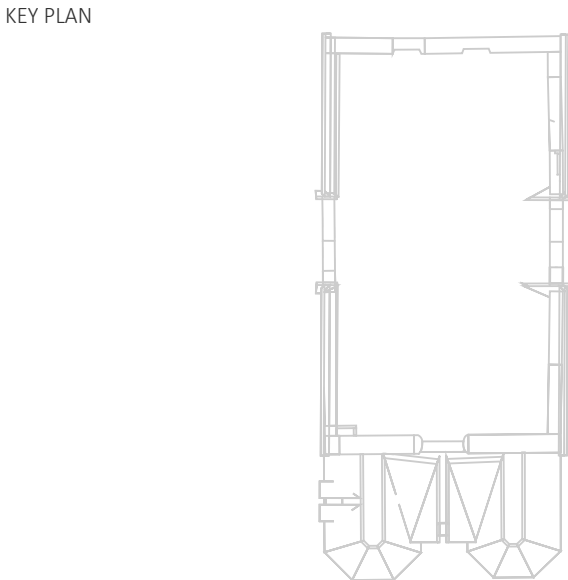
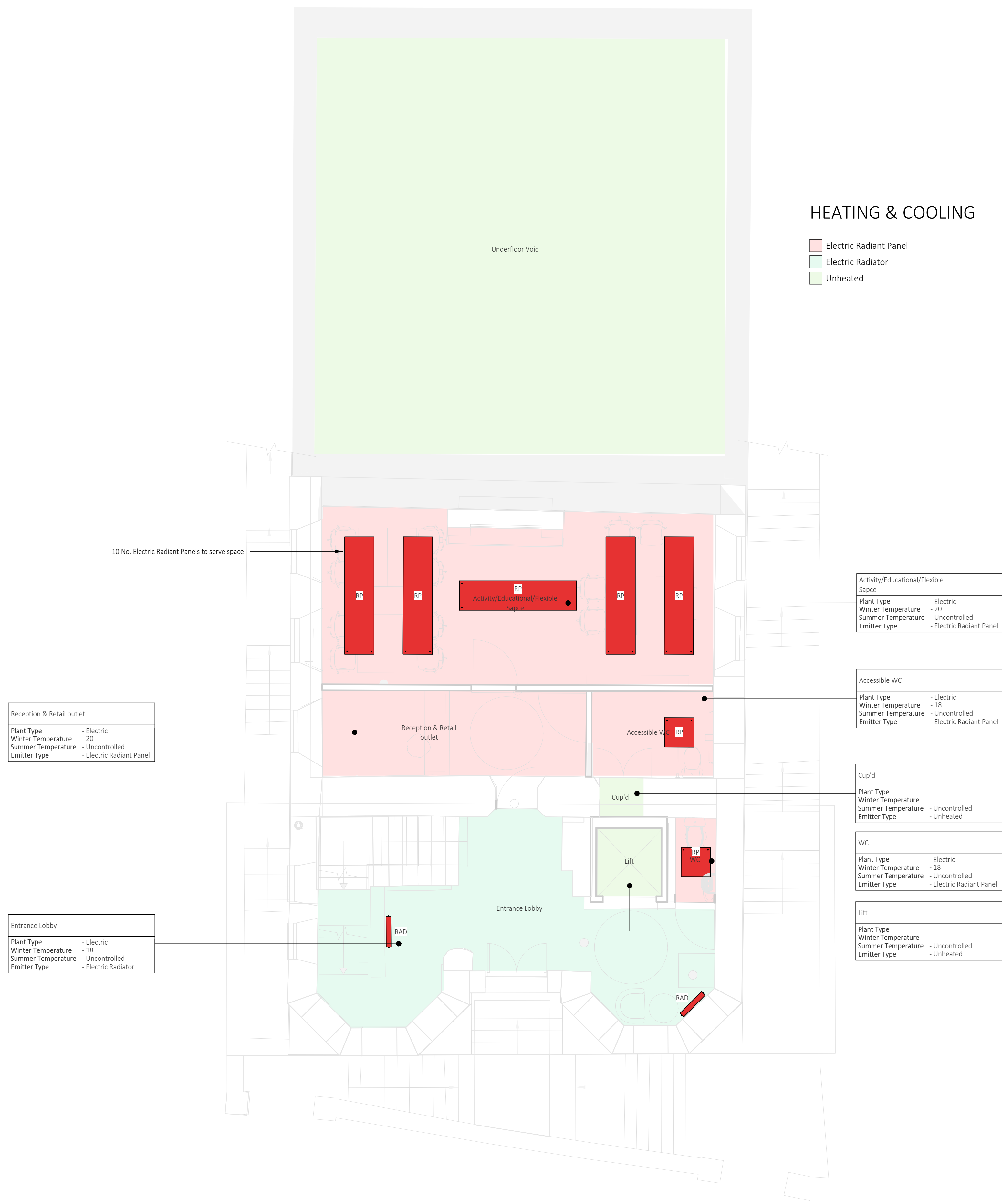
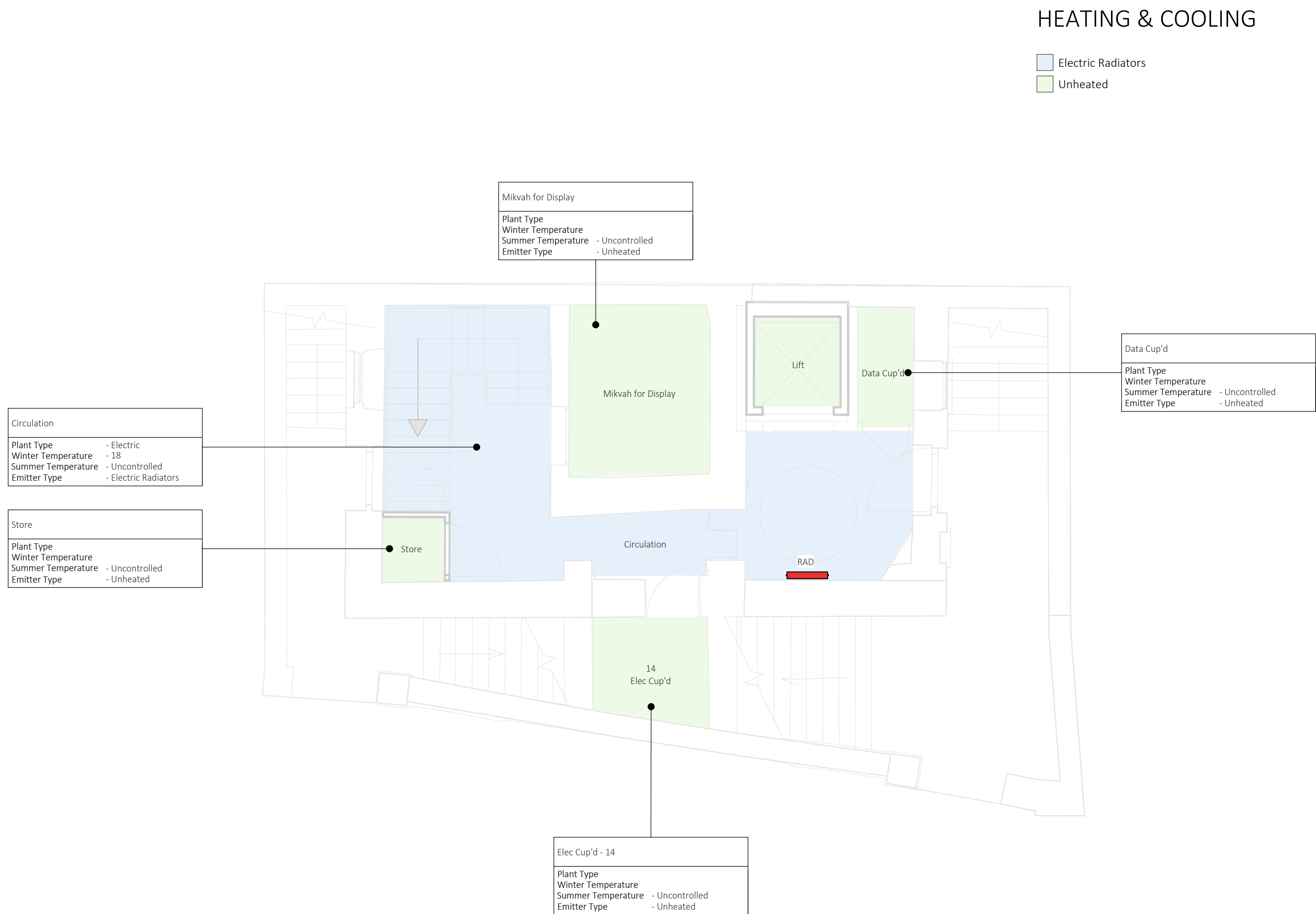


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- NOTES
- All dimensions are to be checked on site before the commencement of works. Any discrepancies are to be reported to the Architect & Engineer for verification. Figure dimensions only are to be taken from this drawing.
  - This drawing is to be read in conjunction with all relevant engineers' and service engineers' drawings and specifications. This drawing is copyright.
  - All plant and equipment to be provided with local isolation to permit individual removal of each item.
  - Contractor to agree all final locations of radiators with architect.
  - Refrigerant tray shown indicative, final sizing by specialist.
  - Any provisions for pipework expansion, pipework guides, and/or anchoring shall be determined by the services contractor based on coordinated construction layouts.
  - Pipework to be insulated in accordance with the specification.
  - The contractor shall install sufficient commissioning stations (or equivalent) to permit all systems to be fully balanced and commissioned in accordance with relevant publications by BSRIA and CIBSE.
  - All low points shall have drain valves. All high points shall be fitted with Automatic Air Vents (AAVs).
  - All isolation valves, control valves and servicing valves are to be located on the pipework within accessible positions.
  - In all cases where pipes pass through walls and floors the services contractor shall provide and build in sleeves.
  - The responsibility for the support of the entire pipework system and associated plant shall be that of the contractor.
  - Gaps around services penetrations are to be fire stopped with intumescent mastic sealant.
  - Any requirement for water hammer arrestors shall be determined by the contractor.
  - All external heating pipework shall be trace heated and insulated to protect against freezing.
  - All radiators within accessible areas are to include protective screening or be low surface temperature as per BS6800-2:2018.
  - Refer to relevant schematics for valve arrangements.

REVISIONS

| Rev. | Suitable for Review and Comment | Date     | Drawn By | Checked | Approved By |
|------|---------------------------------|----------|----------|---------|-------------|
| P01  | Suitable for Review and Comment | 13/03/24 | AD       |         | GH   AH     |

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CLIENT

GWP Architect

PROJECT

Merthyr Synagogue

TITLE

Mechanical Services  
Heating & Cooling Layout  
Lower Ground Floor & Ground Floor

|                               |                      |              |
|-------------------------------|----------------------|--------------|
| HYDRACK PROJECT NO.<br>28464  | SCALE @ AD<br>1 : 50 | STATUS<br>S3 |
| SUITABLE FOR REVIEW & COMMENT | REVISION<br>P01      |              |