



remedial works specification
ST BENEDICT'S CHURCH - GLASTONBURY

SCOPE OF WORK - DAC SUBMISSION
JULY 2024

1.01 introduction

This scope of works is a combination of replacement underfloor heating and fan convector heaters at the Church.

The new heating will be served by the existing gas boiler but designed to be connected to a heat pump at some time in the future.

The installation will be designed to provide a space temperature of 18°C, however it is acknowledged that this will not be achieved with the existing boiler, but will be compatible and ready for connection to an appropriate (and larger) heat pump.

BJP will undertake the detailed design, prepare detailed technical specifications, schedules, and drawings for mechanical and electrical systems.

The design drawings will show indicative routes for the services; the final layout details and coordination will be the responsibility of the Contractor.

This scheme entails:

New underfloor heating within new Limecrete floors, in place of the existing timber floors in the Nave and North and South Aisles.

The retention of underfloor heating in the existing concrete floors of the Chancel and Sanctuary.

New manifolds to accommodate new operating temperatures, as well as the greater heat output capacity afforded by the new underfloor heating.

Additional Fan Coil Unit heating to achieve a space temperature of 18°C.

New enlarged heating pipework

System sized so that the boiler can be replaced with an air source heat pump in the future with a peak flow temperature of 45°C and return of 40°C.

Replacement of the existing gas boiler & updated controls as necessary.

1.02 work by Mech-Serv Ltd

The scope would include the installation, testing and commissioning of new underfloor heating loops, manifolds and manifold controls.

1.03 work by Westford Mechanical Ltd

This scope would include new pipework distribution from the boiler to serve the underfloor heating manifolds and any supplementary Fan Coil Units.

Updates and modifications to the controls and integration with the new manifold controls.

1.04 work by others

The remaining scope of work would be undertaken by a “Principal Contractor” who would be responsible for:

- Coordination of the works

- Removals

- Attendances on Mech-Serv Ltd and Westford Mechanical Ltd

- Electrical services in connection

- Installation of new insulated sub-floor

- Installation of new Limecrete slab

- New stone floor coverings.