

# Hot Water Proposal

## Aston on Trent Recreation Centre

### Existing Installation

The existing building is partially heated from a existing gas fired boiler located within a cupboard in the Gents toilet area. This will be retained and re-used to serve the existing and additional radiator positions.

### New Installations

Hot water generated via a separate boiler in the roof space.

A Pumped secondary return shall be utilised to ensure water regulations are met.

To achieve flow rates and pressure at all outlets it as recommended a Booster set and tank to be utilised.

Details of pump, and tank attached.

Boiler to be A438 Ecoflex 380/1900 model or equivalent and supplied with all fittings for ECOFLO model (E293)and HIFLO system kit (B290) and horizontal flue (B343)as necessary

The Structural design of the supporting steel work will be provided and the steel sections will be on free issue. The contractor shall allow for taking delivery, lifting into position, and fixing.

The existing water main will be increased to a 32mm main entering at front of building (Employer to arrange). Mains cold water shall serve the kitchen and tank. All other outlets to be fed from the cold water booster set.

The Current gas meter is a U6 meter, this will be upgraded to cope with the increased heating and hot water loads (Employer to arrange).

Extract ventilation shall be provided from all changing rooms and WCs at a minimum rate of 6 Air changes per Hour.