

Schedule of Materials

To support an application for Listed Building Consent to install a new external air source heat pump to replace the existing gas boiler

December 2025

Site Address:
17 King Street
Arundel
West Sussex
BN18 9BJ

For & on behalf of:
Mr & Mrs I Graham
17 King Street
Arundel
West Sussex
BN18 9BJ

Ref: IG01/SoM/25

1.0 Proposal

- 1.1 In accordance with the Listed Building Validation Requirements 2022 set out by Arun District Council this schedule of materials is a detailed list of all the material to be used in the proposal for the new air source heat pump (ASHP), the Aurora II 10kW and the new Fjord I 200L air to water heat pump cylinder both by Adlar Castra as a dual heat pump system.
- 1.2 For clarity the existing schedule of materials should be read in conjunction with the Design and Heritage Statement (DAHS), the Schedule of Photographs and drawings IG001, IG002 and IG003.

2.0 Schedule of materials – Existing

Item	Description
Gad fired boiler	The existing gas fired boiler is conventional boiler manufacturer by 'potterton' which is beyond its design life and can no longer be serviced and maintained effectively due to obsolete parts.
Hot water cylinder	The existing hot water cylinder is suitable for use with the current conventional boiler which would no longer be compatible with an alternative ASHP solution.

3.0 Schedule of Materials - Proposed (replacement elements)

Item	Description
New ASHP Aurora	The new ASHP is the Aurora II 10kW dual heat pumps system which has a black powder coated casing and housing, and is free standing on suitable feet which can be levelled for the purpose of the installation. The unit is built with various components from suppliers such as Panasonic, Grundfos and AlfaLaval.
New Hot Water Heat Pump Cylinder FJORD I.	The new Fjord 1 heat pump cylinder is a self-contained unit that includes both a hot water storage tank and its own internal air source heat pump mechanism. Its components can be divided into the main heat pump system, the cylinder and tank infrastructure, and essential safety control elements.

4.0 Manufacturers literature - Proposed

Web sites:

- The supplier website is Adlar Castra:
<https://www.adlar.co.uk/dual-heat-pump-system/>