

**APPLICATION FOR LISTED BUILDING CONSENT - DC/23/03313 Proposal:
Application for Listed Building Consent - Installation of central heating
system. Location: The Forge, Fords Green, Bacton, Stowmarket Suffolk IP14
4QG**

1. Details about the significance of the heritage asset

County: Suffolk

District: Mid Suffolk (District Authority)

Parish: Bacton

National Grid Reference: TM0624166321

Details

TM 06 NE 2/15

BACTON FORD'S GREEN The Forge

II

Cottage, C17 with possible medieval core. One storey and attics. 2-cell plan. Timber-framed and plastered. Thatched roof with axial chimney, the shaft rebuilt in C20 red brick. A gabled thatched dormer, possibly of C17 origin, with C19 casement C19 and C20 small-pane casements. Thatched lean-to porch with C20 framed and boarded entrance door. The house has a complete C17 timber-framed chimney, a rare and important survival in Suffolk. Posts at the corners rise from the floor level, and in the right hand room is an open fireplace whose lintel is tenoned into the posts. Widely-spaced studs are tenoned into the lintel, rising to cross-framing at eaves level. The hood continues into the roof with a shaft of brick at the head. This type of chimney, common in C16 and C17 Suffolk, normally only survives fragmentally at most. Some posts and tie-beams and other members are of medieval origin, and some smoke-blackened rafters may be in situ. First floor inserted in C18 or perhaps C19, together with reconstruction of roof structure.

Listing NGR: TM0624166321

Legacy

The contents of this record have been generated from a legacy data system.

Legacy System number: 280497

Legacy System: LBS

2. Justification for the proposed works and the impact if any the proposed works may have on the listed building

Schedule of works.

- Drill hole in external wall of 1980's built extension for incoming gas pipe.
- Ditto for vent.

- Fix Vaillant boiler to external wall of 1980's built extension.
- Run flow and return copper distribution pipes serving radiators (routes as shown on marked up drawing included within application). All pipework surface mounted to minimise impact upon structure.
- Drill holes in internal partitions to enable distribution pipework to pass through.
- Radiators (position shown on marked up drawing included within application) floor mounted to minimise impact upon structure.

3. Please provide a Manufacturers Specification

Radiator specification

Arroll is a name that is synonymous with Cast Iron Radiators, recreating traditional designs for over 15 years. Using innovative modern techniques, we have created an Aluminium version of our popular Edwardian Model.

The Aluminium Edwardian 4 Column is an Aluminium outer with steel tubing inside to avoid corrosion and metal transference.

Benefits:

- Uses 60% less water for same heat output as cast iron
- Made from 60% Recyclable material
- Suitable for Low Temperature Systems
- Ideal for use with Electrical Elements
- Lightweight – up to 60% lighter than Cast Iron Alternative
- Corrosion Resistant

Small bedroom 4352 btu

Hight 650mm

Width 934mm

Sections 15

Big bedroom required 6729btu

Hight 750mm

Width 1174mm

Sections 19

Btu output 5569 (this is the largest out put that they do)

To reach required btu output a second radiator would be required

Living room required 7571

This will require 2 x radiators

Hight 650mm

Width 934mm

15 sections

Btu output 4200 x 2

Small living room required 3741 btu

Hight 650mm

Width 934 mm

Sections 15
Btu output 4200

Bathroom btu requirement not taken

Hight 963mm

Width 673mm

Btu output 1030

Existing kitchen required 3698 this radiator could change we will leave pipes capped off for this as the new extension could change the value of the btu rating.

Hight 650mm

Width 394

Sections 15

Btu output 4200

Boiler specification

Manufacturer

Vaillant

Manufacturer Product Number

0010021831

Product Type

LPG System Boiler

Model

ecoTEC Plus

Boiler Type

System Boiler

Fuel Used

LPG

Boiler Height

720mm

Boiler Width

440mm

Boiler Depth

338mm

Weight (KG)

39.000000

Boiler CH Output (Kw)

18

Boiler CH Output (BTU)

60000

Energy Efficiency

89.30%

ErP Heating Rating

A Rated for Heating

Manufacturers Warranty

7 Years (Subject to Manufacturers T&C's)

Photographs showing the location of the boiler, the walls the pipe-runs will be surface fixed to. The radiators will be floor mounted.

1 – Inside the 1980's extension



2 - The cupboard inside the 1980's extension where the boiler will be fixed.



3 – The wall in the kitchen, the boxing will be removed (1980's) and a radiator fixed to the floor with pipes surface mounted.



4 – Wall in the sitting room, radiator fixed to the floor with pipes surface mounted.



5 – Wall in the snug showing where pipes will be surface mounted.



6 – Wall in snug under window showing position of floor mounted radiator.



7 – Wall in bedroom 1 that pipes will be surface mounted on.



8 – Window in bedroom 1 under which radiator will be floor mounted.



9- Wall in bathroom which will have surface mounted pipe run.



10 - Wall in bathroom which will have floor mounted towel rail



11- - Window in bedroom 2 that will have floor mounted radiator under it.

