

FAO Simon Gedye

Reference - Cumberledge Park Farm

Outline Heating and Plumbing Specification



Heating

The heating will be provided via an air source heat pump unit, having looked into all options we feel this is the most viable and negates the requirement for any tanked fuel containment

The air source heat pump unit will be located in outbuilding 1 (OB1), this building seems to be an old cold storeroom. This building will be modified as per the architects' drawings to become a plant room

From OB1 a buried duct will link to the utility room to allow for installation of pipework and cabling

A manifold will then be installed in the utility room as the source for the ground floor underfloor heating system

The underfloor heating system will consist of 4 zones

Z1 – Utility Room

Z2 – Kitchen

Z3 – Dining Room

Z4 – Living Room

The first floor and second floor will have steel radiators in locations shown on layout provided these will be complete with thermostatic radiator valves and the bathroom will have a towel rail

These will also be serviced via the air source heat pump and will be on an independent zone installed with 15mm copper pipe

Plumbing

A 160-litre hot water cylinder will be installed in the utility room to provide hot water for the premises, this will provide hot water for the kitchen and bathroom

The mains cold water service will enter the building via the utility room and also provide mains cold water for the kitchen and bathroom

Waste Services

A new manhole will be installed adjacent to the existing external toilet to provide a new connection for the house onto the existing system. This will in turn connect to the new 4" cast iron stack as identified on the architect designs

This stack will have two “T” type fittings one at low level to enable connection of the kitchen waste services and the second on the first floor to enable connection of the bathroom waste services

All internal waste pipes will be hidden within the kitchen base units and the bathroom vanity unit to minimise any visual appearance

