Zone 1

GF09 32 sqm – Master Bedroom

GF10 12sqm – Master En-suite (En-suite 1)

GF11 12sqm – Master Dressing Room

GF3 7sqm – Hallway 1

GF2 1sqm – Cloakroom 1

GF12 9sqm – Studio 1

GF01 16sqm - Lobby

Total 89 sqm

Zone 2

GF08 6sqm – (Electric Heated UFH)

GF07 15sqm

GF06 4 sqm - (Electric Heated UFH)

GF05 12sqm

Total 27sqm exc electric UFH

Zone 3

GF13 47sqm Lounge

GF15 27sqm Kitchen

GF16 11sqm Utility Room

GF17 4sqm Corridor

GF19 9sqm Studio 2

Total 98sqm

Zone 4

GF14 21sqm TV Room

Total 21sqm

Zone 5

GF 24 53sqm Conservatory

Total 53sqm

Prefer 6 zone

GF18 5sqm Hallway 2

GF20 16sqm Bedroom 4

GF21 12sqm Bedroom 5

GF22 4sqm Bathroom 1 (Electric Heated UFH)

Total 31sqm exc electric UFH

**Drawings attached:**

2928 Moor Copse - BR103 - Ground Floor Plan Zone 1 – includes all the rooms and zones except for zone 5 – Conservatory.

2928 Moor Copse - BR104 - Ground Floor Plan Zone 2 – only use Conservatory – Zone 5

The zones have been identified on the basis of usage and occupation. Should the kitchen be in a separate zone as may not be on all the time as it will be warm when cooking? The zones are not fixed and we will consider alternatives to help with efficiency and optimal performance of the UFH system.

**Locations option for manifold:**

In Cupboard in GF24 – Door 40 for rooms in zones 4-6 - 2928 Moor Copse - BR103 - Ground Floor Plan Zone 1

2928 Moor Copse - BR103 - Ground Floor Plan Zone 1 There is a slight modification to the layout - the cupboards behind D33 and D34 at the entrance are no longer there. Instead, the right-hand wall of the main entrance has been extended and there will be a cloak cupboard against the wall currently marked by a radiator, which can be an option for the manifold for rooms in zones 1-3

**Bungalow refurbishment.**

The bungalow has new concrete floor which will have a vapour barrier followed by insulation 150mm and perimeter insulation which will be covered with 500-gauge polyethene. The 16mm pipes will be laid using a clip rail system secured with pipe clips. This will be screeded over with 50-60mm screed followed by tile adhesive and 9mm tiled floor.

Please add any information on best practice for the outlined installation and include any materials or alternatives that you are able to supply. Oil-fired boiler and water supply from a borehole.