

Project Reference	B93
Date	15/11/19
Site	Halam House Farm
Client	Allsop Construction
Email	

### Underfloor Heating Summary Plots 2&3

Manifold Size -	2 x 8 port manifold
Manifold Type -	1" Brass with 18KW Mixer Valve
Floor Construction -	Screed Floor & Screed Between Battens
Area Covered -	220m <sup>2</sup>
Fixing Type -	Clip Rail and Insulation Clips & Nail Clips
Pipe Centres -	200mm
Control Type -	neoStat
Heat source -	Gas Boiler

Dear Sir/Madam








Thank you for your quotation request. Based on the information supplied we have designed a tailor made Underfloor heating system.

At bespoke underfloor heating we believe in designing you a system that will work best for your project at the best possible price.

Comparing different floor heating quotations is notoriously difficult, always try and compare 'Like for like' and match the number of individual areas you would like controlled with the number of ports on the manifold and the number of room thermostats.

Be aware that as you have now considered a floor heating system it is important that you give serious consideration to the quality of equipment you intend to use.

## Plots 2 & 3 Quotation Includes

	Product Description	Quantity
	<b><u>Brass Mixing Manifolds</u></b> The manifold comes ready built with a mixer valve, thermostatic head, A Rated Circulating Pump, temperature gauge, pressure gauge, flowmeters, auto air vents, fill and drain points and pipe inserts. (inserts can be changed for different pipe sizes)	2 x 8 Ports
	<b><u>16mm Pert/AL/Pert Pipe</u></b> This pipe has a 100% oxygen diffusion barrier due to the aluminium layer, this also makes underfloor heating installations easier because of the form stability. The pipe comes in various coil sizes from 50 – 500m and has a 50 year guarantee.	3 x 500m Coils
	<b><u>Fixing Rail</u></b> 1 meter strips of profiled plastic grooved every 50mm to clip the UFH pipe into. These fix to the insulation using the insulation clips.	80
	<b><u>Insulation Clips</u></b> Insulation clips used for clipping the pipework between fixing rails. These are barbed and come in sizes 40 and 50mm	40mm x 2400
	<b><u>Hammer Clips</u></b> 16mm Hammer clips used to clip the pipe passing over joist or onto a timber/concrete floor.	1600
	<b><u>Thermal Actuator</u></b> These are used in conjunction with our wiring centres. They open when a thermostat calls for heat and close when theres no demand.	16
	<b><u>Danfoss FH-WC Wiring Centre</u></b> The FH-WC can control up to 8 zones on a underfloor heating system. Every zone has the capability to run the underfloor heating pump and fire your boiler.	2
	<b><u>neoStat</u></b> the neoStat is a 230v powered smartphone thermostat. The neoStat communicates to the neoHub and other neoStats within your home to create a fully contrallable network system of your home heating.	10

### Additional information

This quotation has been prepared on the basis that the above property is up to current insulation standards. As a general rule we assume the heat supplied from a conventional boiler will produce a minimum of 45°C and a Heat Pump will be running at 35°C.