

Cedar Innovations Ltd

Pilmore Growers

Whitesheet

Holt

Wimborne

Dorset

BH21 7DA

Installer

21th December 2018

Dear Installer,

Below is a design specification to compliment the tender for the install of an 800kW woodchip district heat scheme around the Pilmore Growers site. A reminder that your tender needs to be received by Cedar Innovations Ltd via email dan.upton@me.com by midday on the 10th of January 2019.

Pilmore Growers 800kw woodchip district heat scheme specification:

- Site description. The buildings at Pilmore Growers comprise of approximately 6,000m² of glass houses and polytunnels together with office buildings and workshops. One section of the site has already had the benefit of a 195kw woodchip boiler for the last 7 yrs which has proven very successful.
- There are 4 remaining zones left to heat on the site with the proposed new biomass boiler. Zone A is a polytunnel approximately 1,700m² that has an existing hot water circuit and 5 hot water to air exchangers ready for connection. This will require 10m of underground 63mm duo insulated pipe and a 90 degree building connection, 50m of 63mm press fit steel pipe and insulation. Please see photos 15, 17, 18 and 19. Zone B is a new addition adjacent to Zone A and will require 10m of underground 63mm duo insulated pipe and a 90 degree building connection, 60m of 63mm press fit steel pipe and insulation and a 300kw heat exchanger and fan unit with controls. Please see photos 15, 17, 18 and 19. Zone C comprises of a 650m² polytunnel, a 720m² glass house and a 300m² agricultural building/workshop and will require 32m of underground 63mm duo insulated pipe and 2x 90 degree building connections, 140m of 63mm press fit steel pipe and insulation and 11x 52kw blowair heat exchanger and fan units and controls. Approx 15m of higher grade external insulation will also be required Please see photos 13, 12, 11, 10, 9, 7, 6, 5. Zone D comprises of a 600m² polytunnel and a 420m² polytunnel (already has 2x heat exchanger units installed) and will require 55m of underground 63mm duo insulated pipe and 3x 90 degree building connections, 240m of 63mm press fit steel pipe and insulation and 4x 52kw blowair heat exchanger and fan units and controls. Please see photos 1, 2, 3, 4, 8, 9.
- The biomass boiler I would like quoting for is a Heizomat RHK-AK800 with 5m agitator, external circular corrugated steel woodchip silo and cover, 10,000 litre buffer tank, expansion vessel, distribution pumps and all associated controls, pumps and flue etc. Please see photos 17, 20.
- Please see drawings of plant room and hopper attached.
- Cedar Innovations will supply a digger and operator FOC.

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- A new 3phase supply has been quoted by SSE and is attached. Please include this in your price at cost, but also allow alternative price for a single phase / inverter driven installation as SSE's installation dates may be prohibitive.

Please find attached two supporting documents;

1. SSE quotation and
2. Heizomat Ak800 layout drawing.

Kind Regards

Daniel

Daniel Upton (07384 252839)

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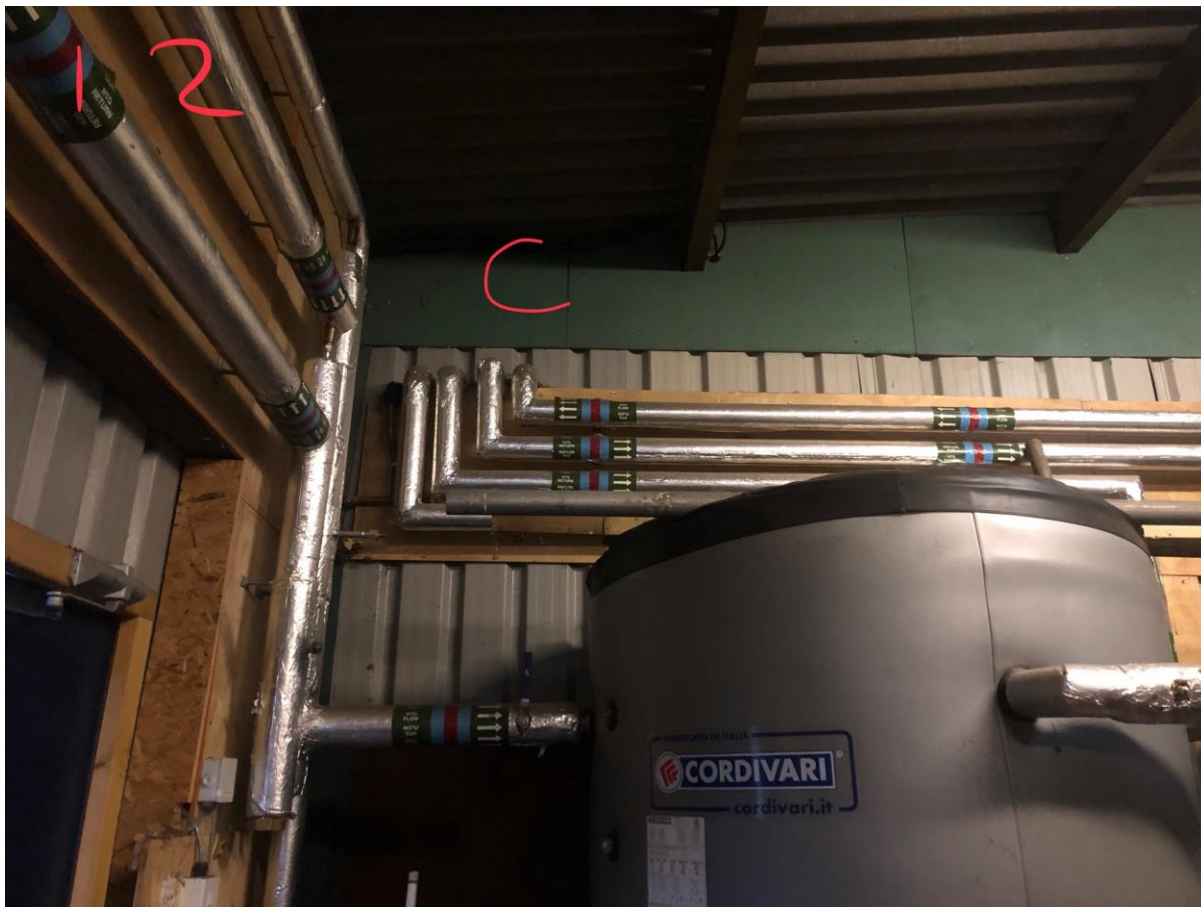
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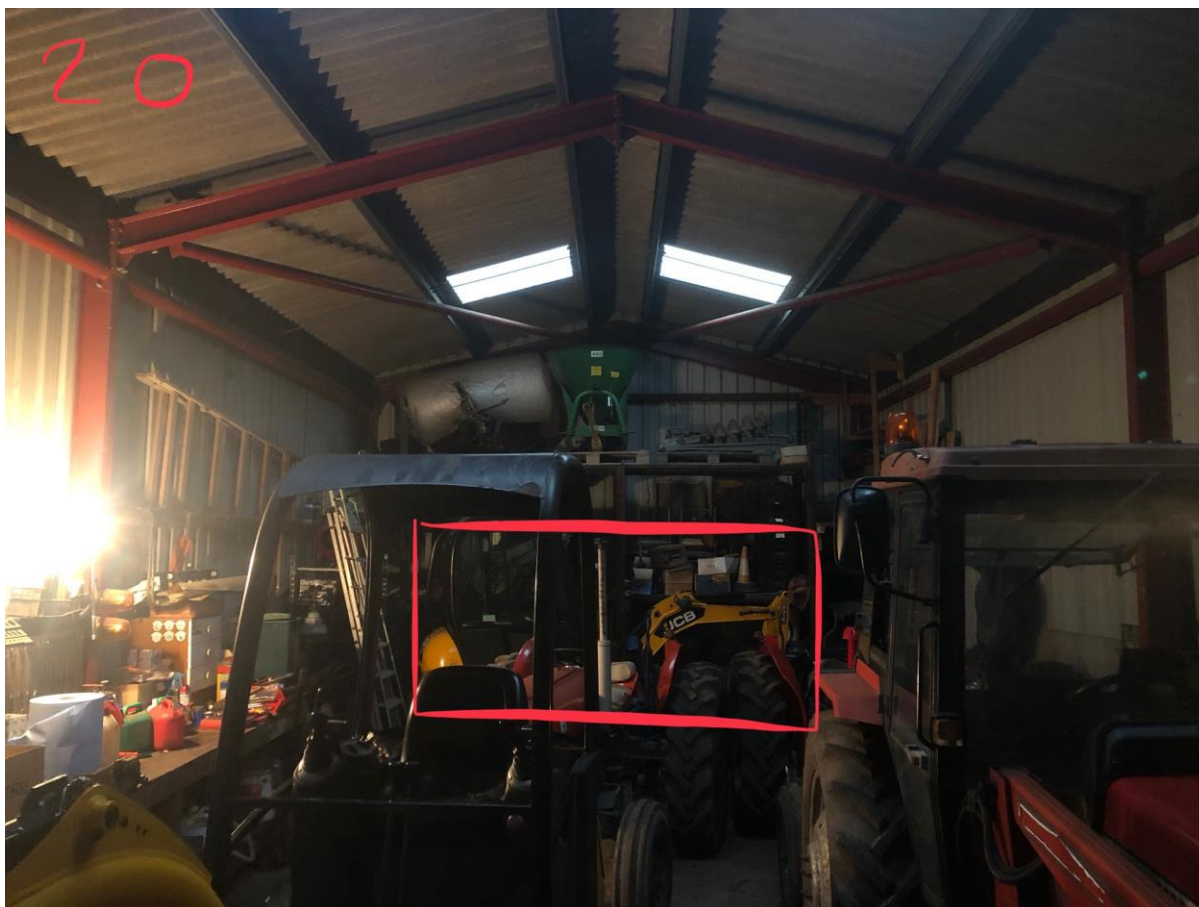
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