

23. Quantum Heating System / Hot Water Install

Method of works

- Follow all work processes for booking in and undertaking work as detailed in WMS Coronavirus Policy.
- WMS are to arrive on site and introduce themselves to the resident, showing them their allocated WMS ID cards.
- Discuss in detail with the resident what works are being carried out and in what order it will be carried out. Confirm working hours, final position of heaters, inform of any hazards and the temporary electrical isolation to existing services.
- Dust sheets to be fitted to protect homeowner possessions if these cannot be moved from the working area. Carpet protector to be laid and left down during the duration of works
- WMS operative's/ representatives are to wear PPE at all times i.e. safety boots, hi-viz, gloves.
- Fully assess all asbestos information and ensure all control measures/asbestos works planned before any works take place.
- WMS permit to isolate to be completed before any works take place (Gas Ventilation Reg 8).
- The existing heating system (including back boilers), existing pipework, hearth & surround is to be removed and the builders opening is to be blocked up, rendered and skimmed.
- Chimneys are to be capped off and vented with a clay 'Pepper Pot' terminal – RA to assess safe WAH access i.e. Zenith roof kit.
- Block off any now none need ventilation points.
- Fully drain any internal water tanks, disconnect and remove any redundant pipework.
- Any existing off-peak circuits related to the heating or hot water system and the consumer unit, are to be disconnected and removed from the property, only after WPD 4 Pole-isolation is fitted.
- Supply and Fix all new off-peak electrical circuits from the consumer unit for the supply to the new heating and hot water circuits allowing for all new associated double pole isolation as detailed in the agreed new heater design locations.
- Qualified electrician to install all electrics and Quantum heaters in strict accordance with the manufacturer's instructions, works schedule and current legislation.
- When positioning new heaters, ensure that they are stable and carefully cut flooring to allow secure footing of unit.
- Fan heaters and towel rails to be fitted in accordance with Dimplex approved practice. where design shows within bathrooms.
- WMS will install new Grade D1 LD2 alarm system, removing all existing fire and smoke detection equipment, in accordance with the schedule of works.
- Make good any disturbed works during the installation.
- The system and its controls will then be demonstrated to the resident ensuring they are fully aware of gas, water and electrical isolation points.
- Site to be left clean and tidy.
- Handover and building file to be handed to the client, containing all relevant information as requested within the contract.

See additional docs

COSHH
 Manual Handling
 Working At Height
 Permit to isolate
 Electrical Isolation Procedure
 Gas Ventilation Reg 8
 Asbestos
 HAVS
 Construction dust

Risk Assessment

Hazard	Control Measures
COSHH	When using any chemicals, the COSHH safety data sheet will be followed to ensure that the safe working practice is followed. This includes storage and use, including the correct use of PPE. Common material sheets are within this document. Additional MSDS may be required for extra chemicals/substances.
Hygiene	Good personal hygiene is a necessity washing of hands prior to any breaks (food – ingestion).
Asbestos	All operatives are to be Asbestos awareness trained. HSG264 R+D Asbestos survey is to be referred to before any works commence. Ensure asbestos are not disturbed during works. Tradesmen are to remain vigilant at all times when onsite and if any additional suspect materials are identified, site manager is to be informed immediately.
Slips Trips and Falls	The site will remain tidy at all practicable times. All designated access/egress routes shall be kept free of slip and trip hazards, and obstructions. All equipment is switched off and/or isolated when unattended. All material that could potentially cause injury is either secured behind barriers or removed from site.
Manual Handling	Correct lifting techniques are to be used at all times when moving equipment, materials or any heavy loads. Paying particular attention when lifting (stable stance, good grip, keep load close to your waist and do not flex your back).
Vibration	If there are any tasks with expected high levels of vibration. WMS shall use vibration calculator to work out if operatives are likely to exceed action levels. WMS have assessed these site and there are no excessive vibrating works that are likely have trigger times that will exceed the HSE 100 points. Subcontractors will also assess in their RAMS. Regular breaks between works involving high levels of vibration shall be taken.
Noise	If high levels of noise are expected, ear defenders and control measures are to be introduced if lower noise action value is expected to be exceeded (80dB weekly average or 135dB peak). If there are concerns that noise levels are above this, further investigation will be carried out.
Respirable Dust	Control measures are to be implemented when any operations are being undertaken that could give rise to respirable dust. Particular attention is to be made to silica dust. Dust extraction is to be used where practicable to ensure operatives are not working above the 8hr control limit (0.1mg/m ³) and FFP3 masks that have been face fitted to the individual are to be worn.
Gas	See Gas Ventilation Reg 8 No gas works planned – if gas is present, all works by GasSafe qualified engineer.
Electrical	All electrical equipment is to be PAT tested. The equipment is to be inspected prior to use to check for defaults or any other issues that could cause harm when the item is used. Before selecting electrical work equipment for any type of work, operatives should use the hierarchy of equipment to select a suitable piece of work equipment that does not increase the risk of electrical shock: <ul style="list-style-type: none"> • Use hand tools. • Use battery operated tools. • Use 110v work equipment + transformer • Use 230v work equipment All electrical works shall be undertaken by qualified electricians Restrict tenant access to area of work to eliminate their exposure to electricity. Ensure that tenant is aware of the loss of electrical supplies and to what extent. No

	<p>exposed connections of any kind must be accessible by tenant.</p> <p>Review whole area on completion of work for loose covers and exposed wires secure if applicable. Report any electrical defects or unsafe conditions (inc DIY installations) encountered during the work to your supervisor and inform tenant if necessary.</p>
Falls from height	<p>See Working At Height</p> <p>Zenith kit – for pot on chimney.</p>

PPE

