

**METHOD STATEMENT (Revision A)****Camden Development Control Planning Services Details****Description of Works**

A variable refrigerant volume (VRV), heat pump system is to be installed at the site of 18 Bedford Square, London, WC1B 3JA. This will require the removal of the existing boiler and radiators throughout the building and the installation of 26 No. of indoor VRV units, 6 No. externally mounted condenser units and associated pipe work connections. New, plain, electric panel heaters shall be installed in the common parts.

3 No. VRV condenser units will be sited at basement level within the rear lightwell and 3 No. units will be sited on the roof. The units will not be visible from street level. The indoor units are to be chassis type, floor mounted around the building perimeter, within joinery casings as per Garnett & Partners drawing 792(PL)900, on the basement, ground and first floor. The units on the second and third floor are to be proprietary chassis mounted units with steel casings. The indoor units will be installed over five floors, from the basement to the third floor, utilising an existing riser and joist notches for the refrigerant pipework distribution.

Refrigerant and condensate pipework runs to and from the VRV units will be placed in notches in the floor joists. The pipe runs will not show any external features and any notches made, will be made good and structurally sound via the addition of a metal plate, fitted and secured to the joist over the notch position as detailed in the timber notch plate drawing (MNP 05). In general, the pipework shall be installed within the existing joist notches where possible.

Existing, redundant pipe work running across the joists will be removed and a repair will be made as detailed in the timber notch repair drawing (MNP 04).

An environmental noise survey was undertaken at 18 Bedford Square, London by Clarke Saunders Associates between Friday 24th and Monday 27th January 2014 in order to establish any noise implications from the VRV plant, as explained in the attached document; Noise Impact Assessment Report. Compliance with the noise emissions design criteria requirements of Camden Council has been demonstrated and no further mitigation measures are, therefore, required for external noise emissions.