

**Proposal
For
Wood Green
Department of Work & Pensions
1 WESTERN RD, LONDON N22 6UH**



Project Overview

1.0 Project Overview

Replace external and internal VRF units and controls.
Replace VRF system throughout the office space.
New 5m x 3.5m concrete base for 5no. new VRV condenser units.
Remove existing brick kerb and bushes to accommodate.
New Armco barrier or similar required.

Building / Construction Works

Scope

4.0 Scope of Works

4.1 Asbestos Survey

With insufficient asbestos information available an asbestos survey will be required to works areas.

4.2 Protection

Works around staff and the public will be out of hours due to noise restrictions, to provide safe area of works and prevent staff contact. Boiler Room and external works to be carried out in normal working hours.

4.3 Waste Management & Removal

All waste will be disposed of responsibly in accordance with the strict ISG waste management process. All appropriate certification for waste collection and responsible disposal / recycle will be available. ISG aim to achieve a 95% diversion from landfill on all projects.

4.4 Removal of Gas fired heating system - Isolate, decommission & strip out existing heating plant & all associated services within the boiler room. Strip back gas & LTHW pipework services and cap off services in boiler room. Strip out associated controls & electrics. Removal of waste materials to skips.

4.5 Strip out redundant radiators and accessible pipe work on all floor levels, cap off redundant pipe work entering voids and ducts. Make good areas disturbed in order to comply with Building Regulations Part L.

4.6 Install electrical panel heaters to toilets, stairwells and communal areas. Panel heaters to have in-built thermostats & timeclock function. We have allowed to timeclock all new electric panel heaters off of the Trend BMS system.

4.7 Replacement of existing public area & office accommodation VRF / VRV systems with new systems providing Heating & Cooling to all areas. Our costs currently allow to replace both of the existing 2004 Mitsubishi VRF 2 pipe heat pump systems & 2009 Daikin 3 pipe heat recovery system. Isolate, decommission & strip out existing VRF plant & all associated services. Strip out associated controls & electrics. Removal of waste materials to skips. Supply & install new VRF heat recovery heating / cooling services throughout the building comprising of ceiling cassette units served from individual condensers servicing each floor.

4.8 We have assumed that the existing Comms room and CCTV rooms are to remain on their own Current AC systems and require no additional works.

4.9 Controls & BMS – Isolate, decommission & disconnect redundant control panel, controls & wiring for redundant boiler plant/heating services. Strip out redundant control panel controls / switches & cabling and blank off panel apertures. Download & backup Trend BMS software and re-engineer to suit remaining plant services. Retain existing ground floor control panel / Trend controls serving the ground floor supply & extract ventilation system located in the ground floor plantroom. Supply & install new Trend interface panel & Trend controls to provide Trend integration with the new Daikin VRF AC systems and to time control the new electric panel heating. Supply & install new onsite IQVision head end PC & graphics package & provide Modem remote access to the BMS systems. There is currently no allowance for any separate metering or monitoring of the air conditioning system power supplies/energy usage. Test & commission new/retained Trend BMS systems.