**?.?? Packaged Plate Heat Exchangers for Domestic Hot Water Generation**

The Mechanical Contractor shall supply and install a Propak Thermal packaged plate heat exchanger, as supplied by Commercial Hot Water Solutions Ltd (contact Richard Bailey, email: richard@chwsltd.co.uk tel: 07530 230 838) from their Propak Thermal range, in accordance with the following schedule:-

* Model ref: Propak Thermal 5049DS
* Plate Heat Exchanger Output: 800 kw
* Peak Hour DHW Production: 7.87 m3 /h

The Packaged Plate Heat Exchanger unit shall strictly comprise the following features: AISI 316 stainless steel plates, EPDM Gaskets, 2x ERP A Rated Modulating / Variable Speed Primary Pumps, WRAS Approved Secondary Pump, 3-Port Control Valve, PID Controller with Full MODBUS Interface, preassembled on rigid metal frame.

The unit shall have a maximum working pressure of 10 bar, have a maximum primary pressure drop of 30kPa and a maximum secondary pressure drop of 15.4kPa.

The unit shall be fully WRAS approved.