

Controls

Trend IQ4 to control heating plant, ie boiler duty, assist and standby

Provide optimum start.

Provide flow temperature regulation, ie weather compensator

Internal building room statistics

Plant Schedule

Plant Ref.	Duty	Description	Manufacturer / Supplier	Product Range	
BO 01 /02 /03		Quinta ACE - Bespoke Rig			
PMP1		Variable speed pumpset, including built-in frequency converter. Operating as Duty/Standby.	Grundfos	MAGNA Grundfos	
PU1		Digital pressurisation unit	Flamco	Flex Filler Midi 125D with Degaser	
EXP1		Expansion vessel	Flamco	Flexcon	
EXP2		Expansion vessel	Flamco	Flexcon	
HE1		UK Heat Exchanger	Kit UK Heat Exchange		
BM1	Full In-Line Flow-DN50	Full flow magnetic filter and drain off.	Flamco	Clean Smart	
CS1	BMS panel	Full BMS Trend			
FL 01/ 02/ 03	Vertical Roof Flue Kit	Flue kit for Evomax 2 boilers.	Ideal Heating	220918	

Copyright, Designs and Patents Act 1988
The copyright & design right of the design documents & of the design remains that of Whitecode Ltd. All copies are only for information about the application. They may not be used for any other purpose or copied without the express written permission of Whitecode Ltd.

Conflicts of Information
It shall remain the responsibility of the installer/contractor to ensure that there are no conflicts with information provided by ourselves & that of any manufacturers information or relevant requirements of statutory bodies or Client specifications. If any conflicts do exist it is the responsibility of the installer/contractor to inform The Consultant/Client immediately Verbally & in writing.

WARNING TO HOUSE PURCHASERS - Property Misdescriptions Act 1991
Buyers are warned that this is a working drawing and is not intended to be treated as descriptive material describing, in relation to any descriptive material describing, in relation to any descriptive particular property or development, any of the Specific Matters prescribed by an Order made under the above Act. The contents of this drawing may be subject to change at any time & alterations and variations can occur during the progress of the works without revision of the drawing. Consequently the layout, form, contents & dimensions of the finished construction may differ materially from those shown. For the contents of this drawing constitute a contract, part of any contract or a warranty.

- LEGEND**
- ✕ Valve normally open / Valve normally closed respectively.
 - IV Isolation Valve - Full bore ball valve with quarter turn lever (below 50mm) or Butterfly valve with lever operator (50mm and above)
 - LIV Lockable Isolation Valve - as per IV, with provision for padlock.
 - DOC Drain Off Cock
 - AAV Air Admittance Valve, minimum 25mm.
 - FC Flexible Connection, United rubber bellow.
 - Change in Pipe Size.
 - STR Strainer - Y-type strainer, stainless steel screen, sDN25 with s0.75mm mesh. sDN32 with s1.5mm mesh.
 - SV Safety Valve, high lift type, fixed relief setting (not adjustable).
 - TUN Tundish.
 - T Digital Temperature Sensor, in 1/2" pocket or with isolation valve, accurate to at least 0.25K.
 - P Digital Pressure Sensor.
 - PT Analogue Temperature Gauge, Bi-metal type, 100mm gauge diameter, either in pocket or with isolation valve.
 - PG Analogue Pressure Gauge, Boudon tube type, 150mm gauge diameter, 3/8" connection, with syphon loop and isolation valve.
 - Single Pump.
 - F Isolation Valve for Flushing Equipment Connection - as per IV, capped off.
 - EXP Expansion Vessel.
 - 3-Port seat-type mixing valve.
 - 4-Port seat-type mixing valve.
 - TL Tiger loop plus with fuel filter, deairator and pressure gauge
 - ECV Emergency control valve
 - TP Temperature probe
 - GS Gas solenoid valve
 - SV Safety Valve
 - NRV Non-Return Valve
 - DC Drain Cock
 - Solenoid Valve
 - Gas Test Point
 - Pressure Gauge
 - Purge Valve
 - Strainer CW Test Points
 - Double Check Valve
 - Outside Air Temperature
 - Gas and Carbon Monoxide Sensor
 - Flow Sensor
 - RPZ Reduced Pressure Zone Valve
 - NRV Non-Return Valve

TOO 12.06.2025 TENDER ISSUE SS AH
REV DATE Description DRWN CHKD
ORIGINAL ISSUE DATE: 12.06.2025 DRWN: SS CHKD: AH

DRAWING STATUS:

PRELIMINARY



WHITECODE
CONSULTING

26-27 The Hill, Northfleet, Gravesend, Kent, DA11 9EU
www.whitecode.co.uk - T: 01322 289977 - E: design@whitecode.co.uk

CLIENT:

MERTON MCBAINS

PROJECT:

MERTON SCHOOL

TITLE:

TYPICAL BOILER SCHEMATIC

DWG NUMBER: 12526-WCL-ZZ-ZZ-SC-H-4-000

SCALE @A1: NTS

REV:

T00

