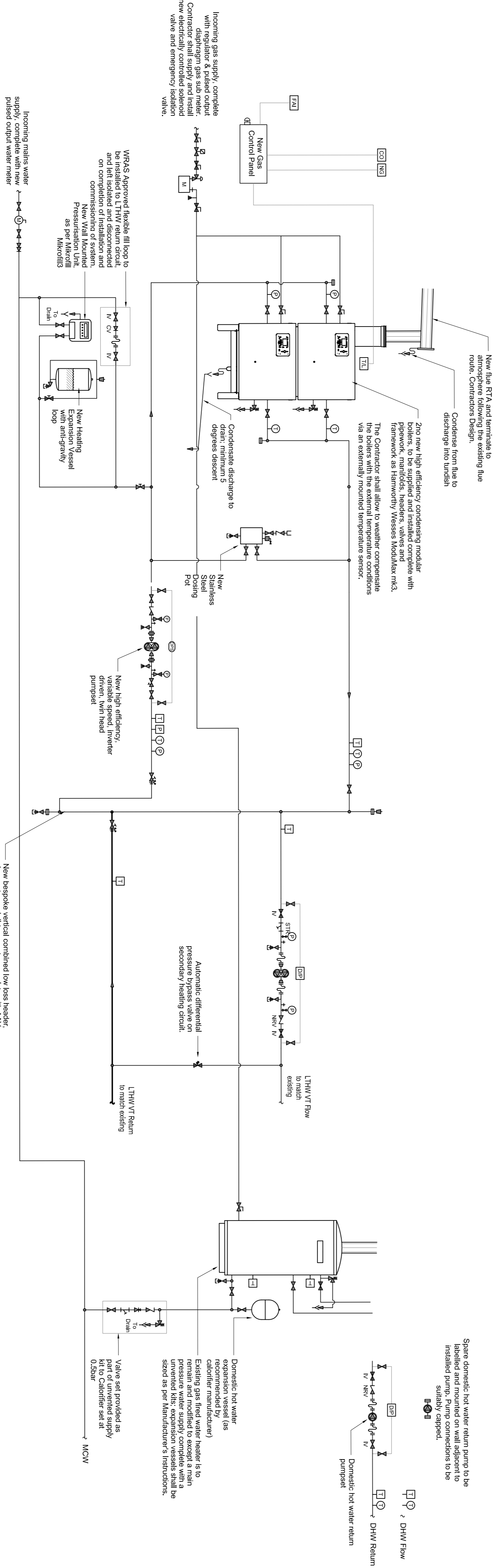


Low Temperature Hot Water General Notes (Steel Pipework):

1. LPHW heating pipework shall be carried out in Heavy red hard steel tube to BS EN 13871(EN10255) complete with fittings and cast iron non type split ring brackets and rectangular rock plates.
2. All pipework shall be installed in a clean, dry, well-ventilated plant room, etc. shall be installed with full lead rigid phenolic foam to achieve a minimum performance of 0.021 W/mK and installed to the thickness identified within BS 5422. Pipework insulation within plant rooms shall be finished with purpose made hammer finished aluminium cladding. Surface mounted pipework shall be finished with two coats of glass paint to BS 2879. Automatic air vents will be permitted within plant areas only. Inaccessible air vents shall be extended in 15mm copper pipework to low level with present accessible part to standard cast-iron (steel on LTHW pipework services). These penetrations through the compartmentation lines shall also be sleeved and finished with intumescent sealant.
3. Drain cocks shall be provided at all low points and equalise air bottles at high points in accordance with BS 2879. Automatic air vents will be permitted within plant areas only. Inaccessible air vents shall be extended in 15mm copper pipework to low level with present accessible part to standard cast-iron (steel on LTHW pipework services). These penetrations through the compartmentation lines shall also be sleeved and finished with intumescent sealant.
4. All equipment shall be installed in accordance with relevant manufacturers recommendations and accepted good practice.
5. All electrical works associated with the mechanical installation shall be carried out by the Electrical Contractor.
6. All LTHW heating systems shall be commissioned by an approved reputable commissioning specialist to achieve the design flow rate and pressure. The commissioning specialist shall be approved in accordance with the Flushing Strategy.
7. The flow rates are defined and shall be approved by an approved reputable commissioning specialist to achieve the design flow rate and pressure.
8. Final location of all sensors to be agreed.



Schematic B - Fitzjohns Main Building NTS

New bespoke vertical combined Low loss header, drain point and immersion temperature sensor as Sporthelm. Header to be fully insulated and thermal separation to prevent heat loss. Contractor to ensure that weight of header is not transferred to pipework.

VRAS Approved flexible fill loop to be installed to LTHW return circuit on completion of installation and commissioning of system. Pressurisation Unit as per Microfit.

Incoming gas supply, complete with discharging gas sub meter. Contractor shall supply and install new valve and emergency isolation valves.

Space domestic hot water return pump to be installed and mounted on wall adjacent to existing pump. Pump connections to be standard supplied.

Domestic hot water expansion vessel (as calorifier manufacturer). Existing gas fired water heater is to remain and modified to accept a main inverted U-tube expansion vessel shall be sized as per Manufacturer's Instructions.

Project Title	Status
Fitzjohns Primary School Proposed Boiler Replacement Building 1 Ground Floor	D2
Tender Issue	11.01.19
Project No.	30202
Scale @ A1	1:100
Date	11.01.19
Revision	CS
Drawn By	BV
Check By	BV
Approved By	BV
Project Origin	Zone Level Type Role Class Number
FJP	BPC XX XX DR M 560 0001
A1 Drawing Issue/Rev	
85111020017 Rev01 Complete	
www.baileypartnership.co.uk	

Client
London Borough of Camden

Project
Camden LOT 1 School Condition Works

10 Tender Issue
Rev Description

CS / BV
By / CHK'd / App'd Date

11.01.19



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Project Notes

The contractor shall ascertain the nature of the site, access thereto and all local conditions and restrictions likely to affect the installation. No claim will be considered on the grounds of the site or site investigation.

The Contractor shall be responsible for the final configuration of all new and existing pipework and equipment. The Contractor shall ensure that the pipework is installed in accordance with the design and specifications. The Contractor shall ensure that the pipework is installed in accordance with the design and specifications. The Contractor shall ensure that the pipework is installed in accordance with the design and specifications.

The Contractor shall allow for all required changes to height and direction of levelled on site with the Engineer.

The Contractor shall be responsible for any temporary access or lifting equipment required to carry out the works.

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