

CHURCH AND HOSTEL
CT CIRCUIT
WITH HEAT METER

1.4 l/s | 0.71 m/s
50mmØ | 60 Pa/m

YOUTH CENTRE
CT CIRCUIT

0.2 l/s | 0.87 m/s
15mmØ | 615 Pa/m

YYOUTH CENTRE
CT CIRCUIT

0.72 l/s | 0.67 m/s
32mmØ | 141 Pa/m

SPORTS CENTRE
CT CIRCUIT

0.714 l/s | 1.37 m/s
32mmØ | 706 Pa/m

CHURCH & HOSTEL
VT CIRCUIT
WITH HEAT METER

0.7 l/s | 0.65 m/s
32mmØ | 134 Pa/m

YOUTH CENTRE
VT CIRCUIT

0.8 l/s | 0.74 m/s
32mmØ | 172 Pa/m

CT HEATING PUMP TWIN HEAD
GRUNDFOS MAGNA3 40–80F

3.034 l/s | 1.29 m/s
65mmØ | 308 Pa/m

VT HEATING PUMP TWIN HEAD
GRUNDFOS MAGNA3 32–60

1.4 l/s | 0.98 m/s
40mmØ | 244 Pa/m

100Ømm HEADER
PRIMARY CONNECTIONS
120mm FROM TOP & BOTTOM
SECONDARY CONNECTIONS
150mm FROM TOP AND BOTTOM
100mm SEPARATION BETWEEN CIRCUITS
500mm SEPERATION BETWEEN FLOW & RETURN

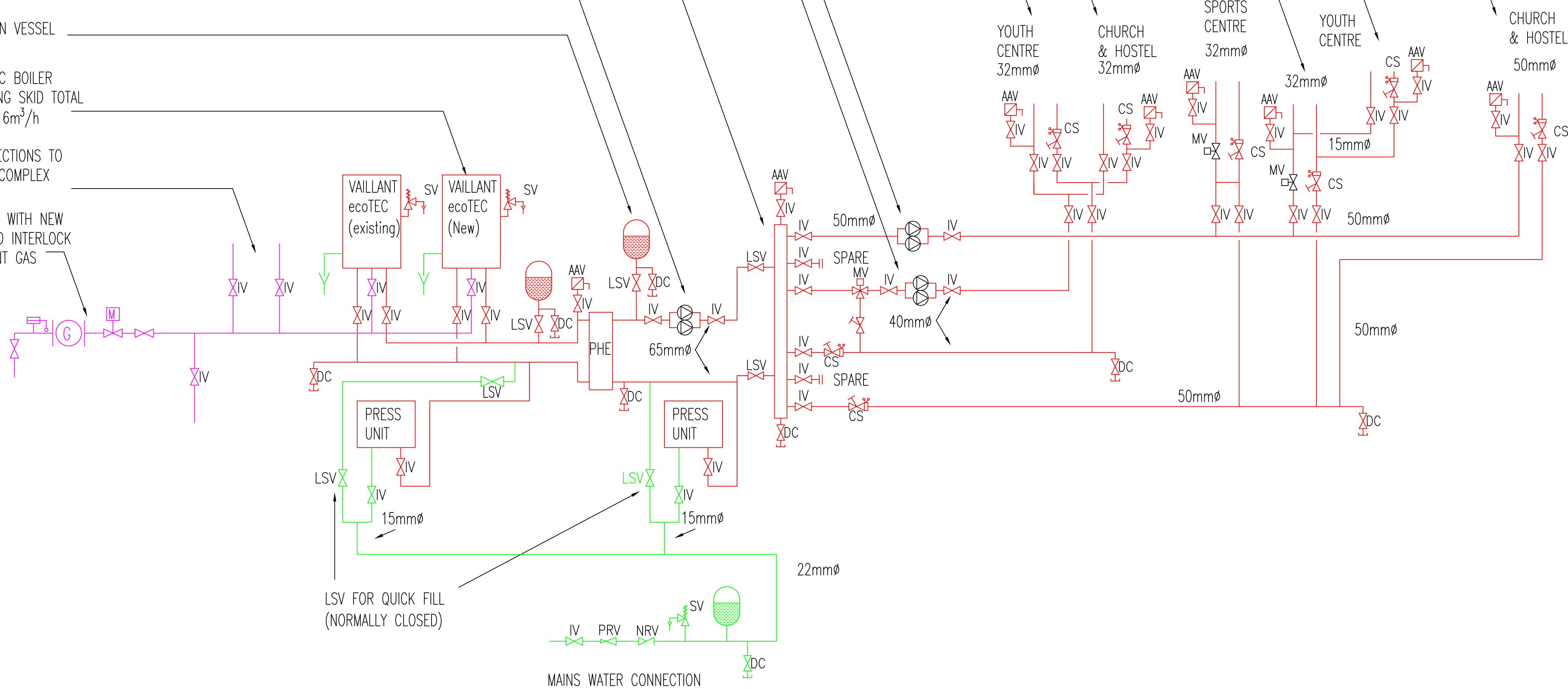
PRIMARY HEATING PUMP
GRUNDFOS MAGNA3 D 40–100F

200 LITRE EXPANSION VESSEL

NEW VAILLANT ecoTEC BOILER
MOUNTED ON EXISTING SKID TOTAL
GAS CONSUMPTION 16m³/h

EXISTING GAS CONNECTIONS TO
APPLIANCES WITHIN COMPLEX

EXISTING GAS METER WITH NEW
ISOLATION VALVE AND INTERLOCK
LOCATED IN ADJACENT GAS
METER ROOM



N O T E S

MV Motorised Valve
DTLL Drop To Low Level
RTA Rise To Above
RFB Rise From Below
RTHL Rise To High Level
VT F Low Temperature Hot Water Variable Temperature Flow
VT R Low Temperature Hot Water Variable Temperature Return
CT F Low Temperature Hot Water Constant Temperature Flow
CT R Low Temperature Hot Water Constant Temperature Return
DHW R Domestic Hot Water Return
DHW F Domestic Hot Water Flow
MCW Mains Cold Water

Lock Shield Valve

Flow direction Arrow

Flange End Termination

Drain Off Cock

Valve

2-Port Motorised Valve

3-Port Motorised Valve

Single Head Pump

Twin Head Pump

PRV Pressure Reducing Valve

Gas Meter Installation with Motorised Valve

Mains Cold Water Pipework

Above Ground Drainage

LTHW Pipework

MID Class 2 Heat Meter

16/05/26 Issued for approval
Rev By Date Revision PWH AAA
Chk Apvd



TITLE Shrewsbury House
Plant room
LTHW Schematic

PROJECT Plant Room Re-pipe

CLIENT Shrewsbury House
Youth Centre

DRAWING STATUS
PRELIMINARY

Scale NTS Date 16/05 Drawn PWH
Chk. PWH

Drq. No. P2-L5 3PE-ZZ-SC-M-002 Rev -