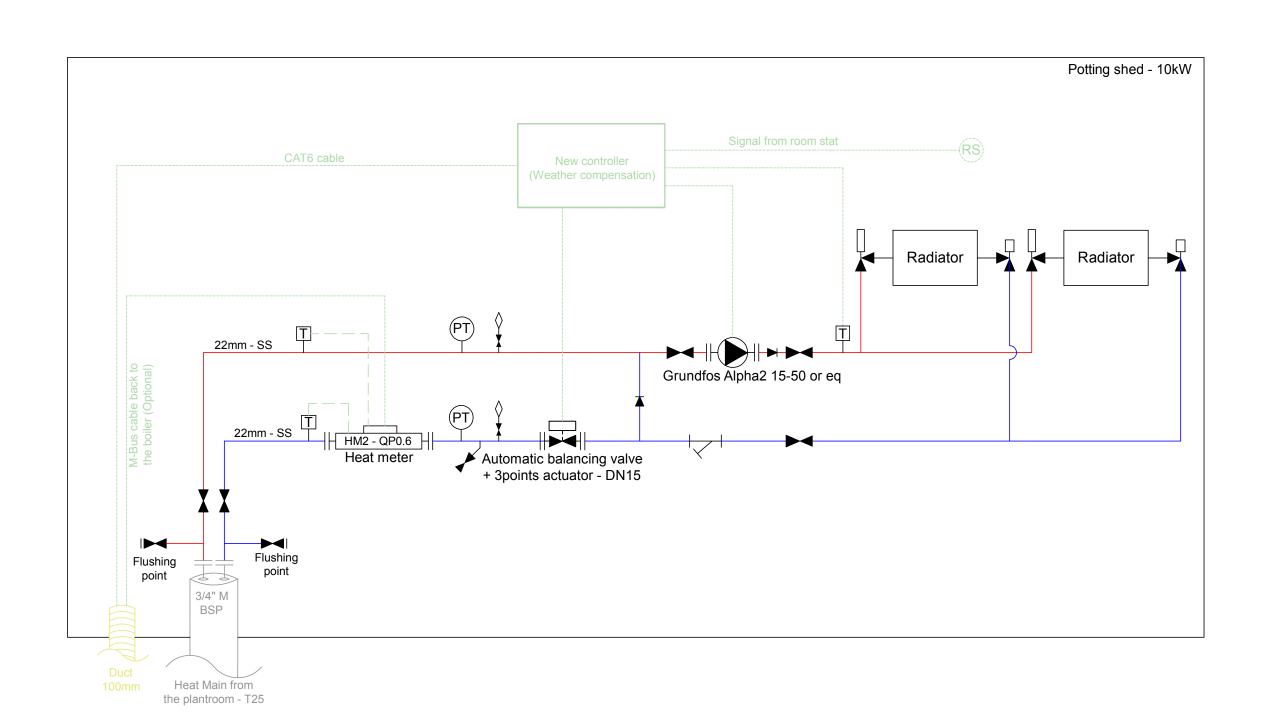


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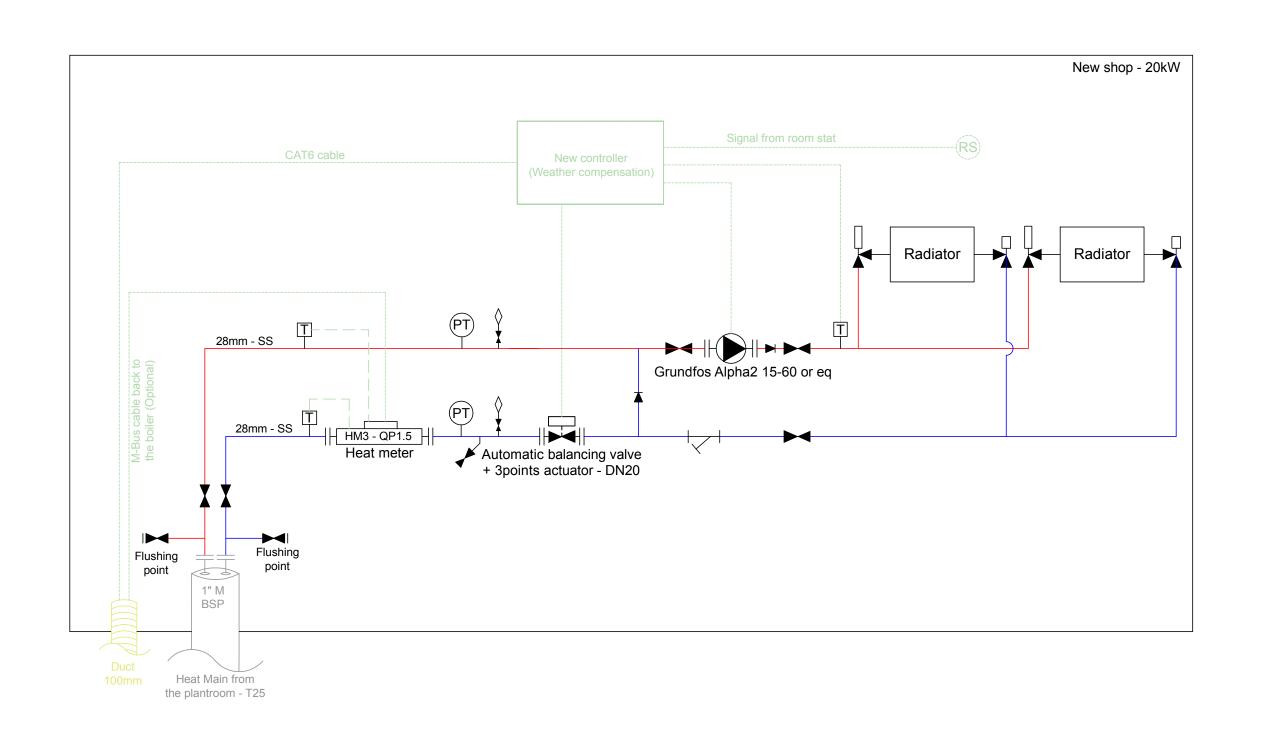
- Drain cocks are to be installed at low level points
- 2. Air vents are to be installed at high level points

	Mechanical key:
PTHP	Pressure switch High Pressure
PTLP	Pressure switch Low Pressure
PT	Pressure&Temperature Gauge
P	Temperature Gauge
Ţ	Temperature Sensor
	Variable speed pump
*	Drain cock
Lay	Relief valve
◊	Automatic Air vent
H	Isolating valve
>	Pressure reducing valve
M	Lockshield valve
	Double regulating valve
*	Self acting 3 port valve
M	Capped-off filling point
\blacksquare	Motorised 2 ports valve
\blacksquare	Motorised 3 port valve
×	Check valve
▶	Double check valve
\rightarrow	Line strainer
全	Emergency stop
(SD)	Smoke Detector
FS	Fire sensor
©	Carbon Monoxide Detector
OA)	Outside temperature air sensor
Tiltle	New Workshop
Date	04/12/2018
Project	Thorngrove
Version	1



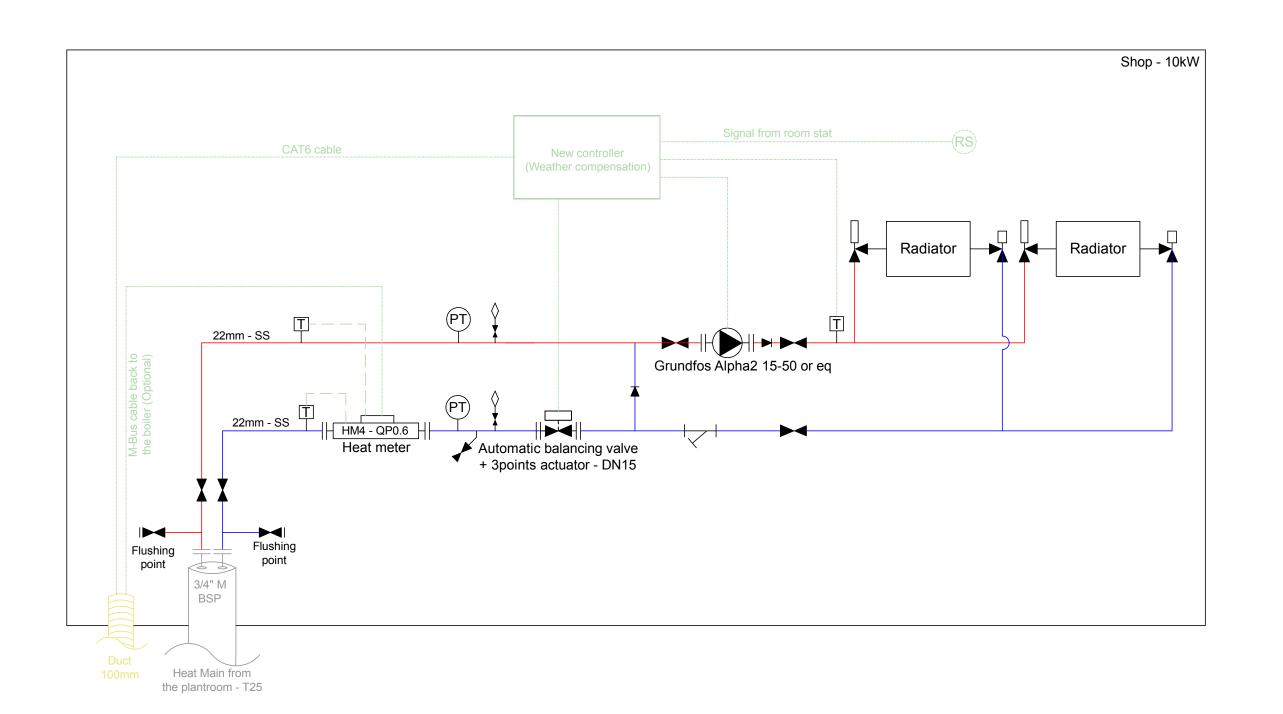
- Drain cocks are to be installed at low level points
- 2. Air vents are to be installed at high level points

	Mechanical key:
PTHP	Pressure switch High Pressure
PTLP	Pressure switch Low Pressure
PT	Pressure&Temperature Gauge
T	Temperature Gauge
Ŧ	Temperature Sensor
	Variable speed pump
*	Drain cock
∟ •₹	Relief valve
\(\)	Automatic Air vent
H	Isolating valve
>	Pressure reducing valve
M	Lockshield valve
I	Double regulating valve
*	Self acting 3 port valve
M	Capped-off filling point
	Motorised 2 ports valve
\blacksquare	Motorised 3 port valve
H	Check valve
▶	Double check valve
\rightarrow	Line strainer
全	Emergency stop
(SD)	Smoke Detector
FS	Fire sensor
©	Carbon Monoxide Detector
(OA)	Outside temperature air sensor
Tiltle	Potting Shed
Date	04/12/2018
Project	Thorngrove
Version	1



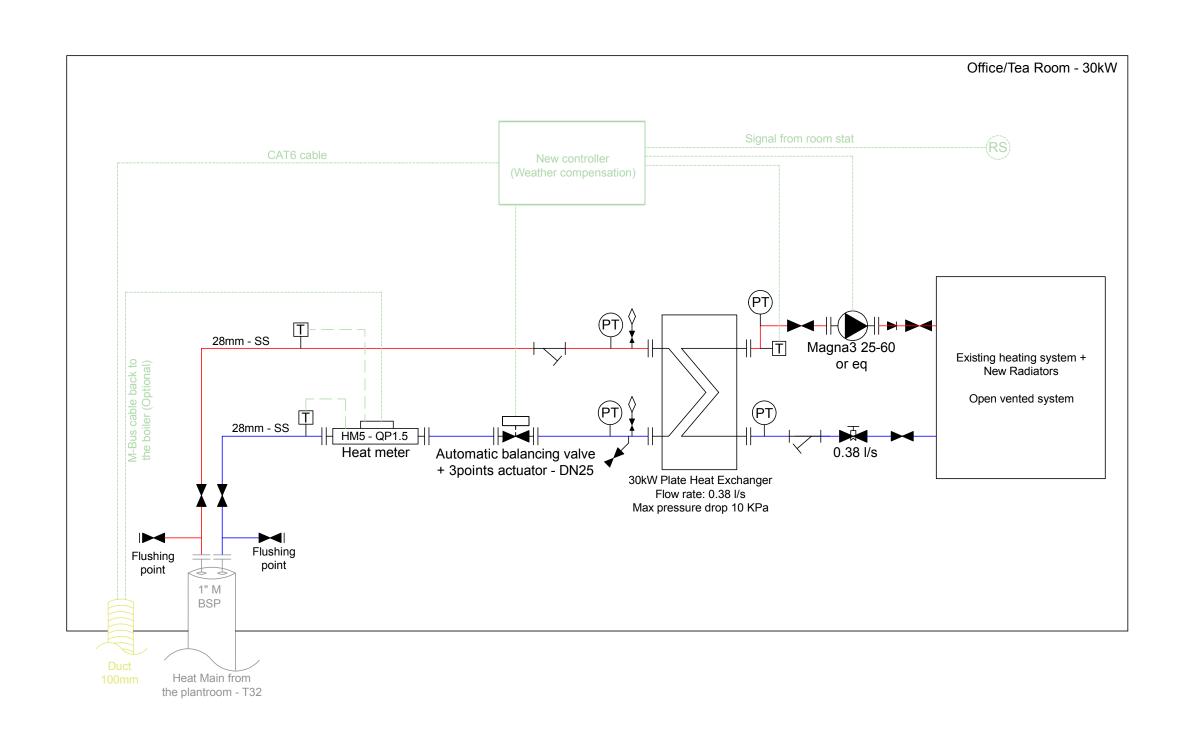
- Drain cocks are to be installed at low level points
- 2. Air vents are to be installed at high level points

	Mechanical key:
PTHP	Pressure switch High Pressure
PTLP	Pressure switch Low Pressure
PT	Pressure&Temperature Gauge
T	Temperature Gauge
甲	Temperature Sensor
	Variable speed pump
*	Drain cock
∟ •₹	Relief valve
\(\)	Automatic Air vent
H	Isolating valve
H	Pressure reducing valve
M	Lockshield valve
	Double regulating valve
*	Self acting 3 port valve
M	Capped-off filling point
\blacksquare	Motorised 2 ports valve
\blacksquare	Motorised 3 port valve
×	Check valve
▶	Double check valve
\rightarrow	Line strainer
呂	Emergency stop
SD	Smoke Detector
FS	Fire sensor
©	Carbon Monoxide Detector
OA)	Outside temperature air sensor
Tiltle	New Shop
Date	04/12/2018
Project	Thorngrove
Version	1



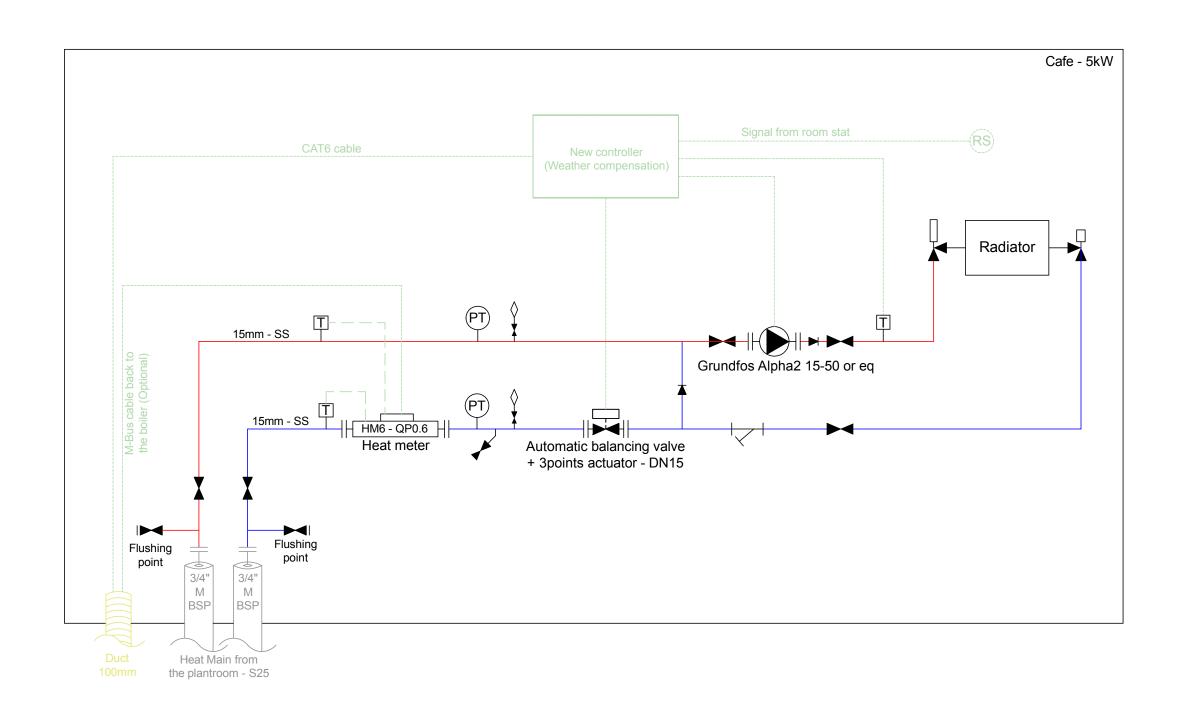
- Drain cocks are to be installed at low level points
- 2. Air vents are to be installed at high level points

	Mechanical key:
PTHP	Pressure switch High Pressure
PTLP	Pressure switch Low Pressure
PT	Pressure&Temperature Gauge
T	Temperature Gauge
Ŧ	Temperature Sensor
	Variable speed pump
*	Drain cock
⊢ ₹	Relief valve
\(\)	Automatic Air vent
H	Isolating valve
M	Pressure reducing valve
M	Lockshield valve
	Double regulating valve
*	Self acting 3 port valve
M	Capped-off filling point
	Motorised 2 ports valve
	Motorised 3 port valve
H	Check valve
>>	Double check valve
\rightarrow	Line strainer
2	Emergency stop
(SD)	Smoke Detector
(FS)	Fire sensor
©	Carbon Monoxide Detector
OA)	Outside temperature air sensor
Tiltle	Shop
Date	04/12/2018
Project	Thorngrove
Version	1



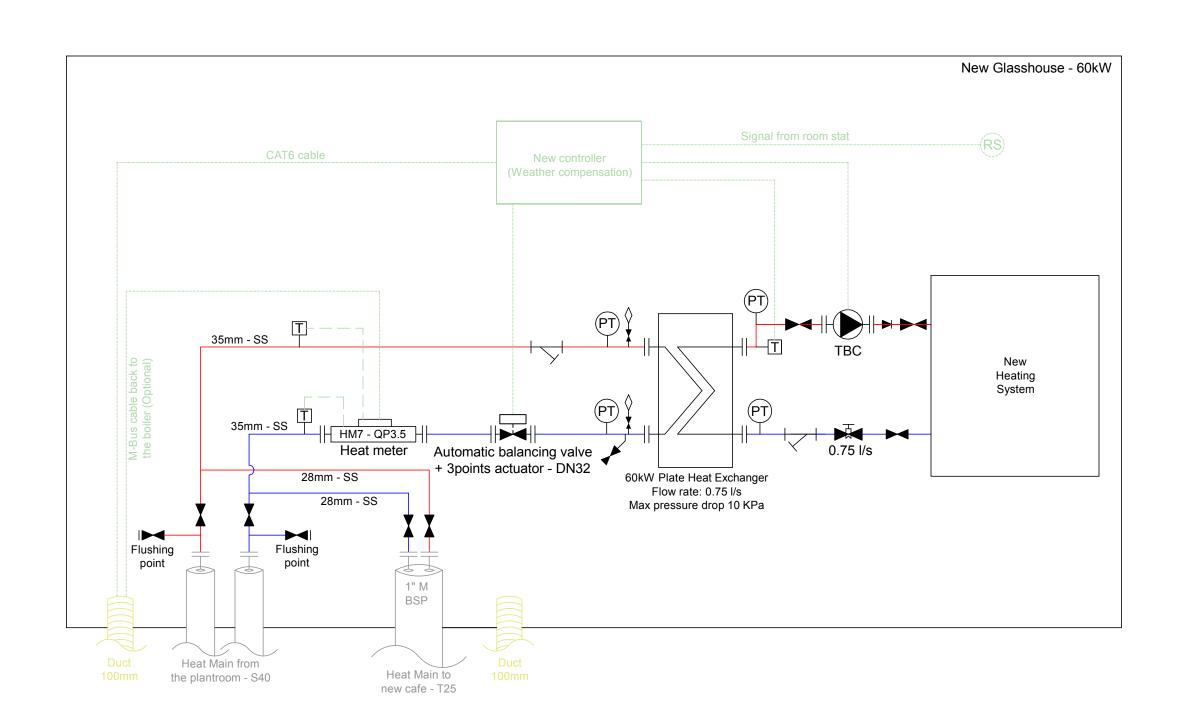
- Drain cocks are to be installed at low level points
- 2. Air vents are to be installed at high level points

	Mechanical key:
PTHP	Pressure switch High Pressure
PTLP	Pressure switch Low Pressure
(F)	Pressure&Temperature Gauge
T	Temperature Gauge
甲	Temperature Sensor
	Variable speed pump
*	Drain cock
⊢ ₹	Relief valve
\langle	Automatic Air vent
I	Isolating valve
¥	Pressure reducing valve
*	Lockshield valve
I	Double regulating valve
*	Self acting 3 port valve
H	Capped-off filling point
	Motorised 2 ports valve
*	Motorised 3 port valve
¥	Check valve
**	Double check valve
Ą	Line strainer
A	Emergency stop
(SD)	Smoke Detector
FS	Fire sensor
©	Carbon Monoxide Detector
(OA)	Outside temperature air sensor
Tiltle	Office/Tea Room
Date	04/12/2018
Project	Thorngrove
Version	1



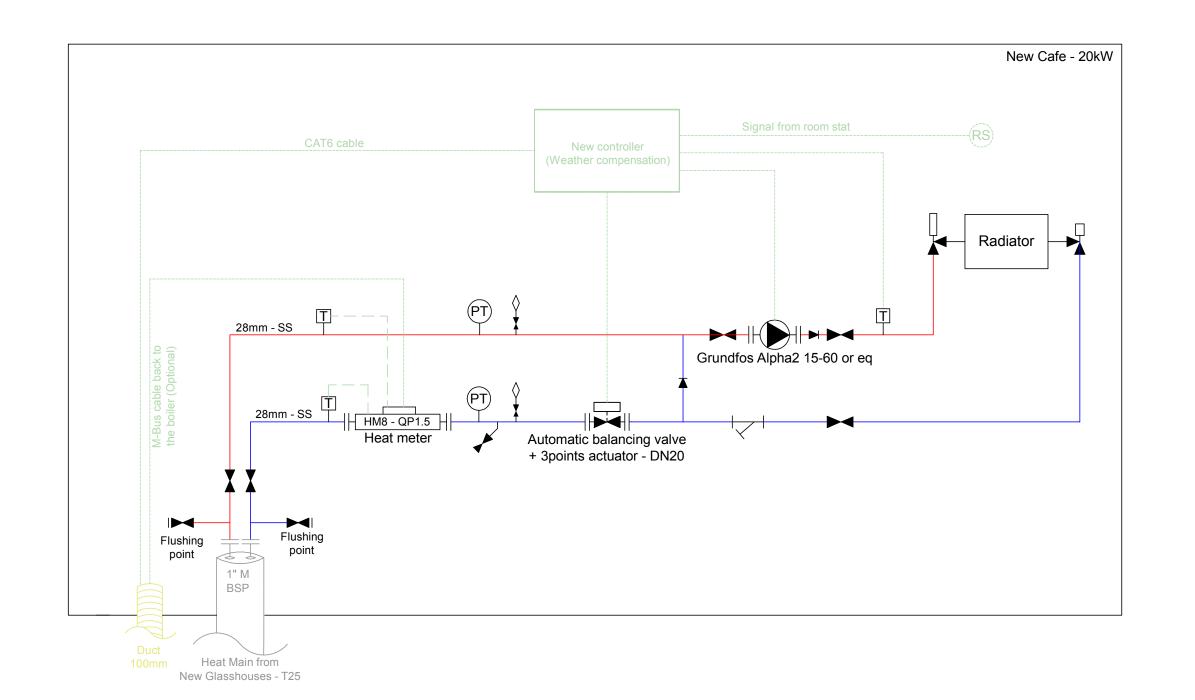
- 1. Drain cocks are to be installed at low level points
- 2. Air vents are to be installed at high level points

	Mechanical key:
PTHP	Pressure switch High Pressure
PTLP	Pressure switch Low Pressure
P	Pressure&Temperature Gauge
T	Temperature Gauge
Ŧ	Temperature Sensor
	Variable speed pump
*	Drain cock
₽	Relief valve
\(\)	Automatic Air vent
H	Isolating valve
M	Pressure reducing valve
M	Lockshield valve
	Double regulating valve
*	Self acting 3 port valve
H	Capped-off filling point
	Motorised 2 ports valve
\blacksquare	Motorised 3 port valve
H	Check valve
▶	Double check valve
\rightarrow	Line strainer
2	Emergency stop
(SD)	Smoke Detector
FS	Fire sensor
<u>©</u>	Carbon Monoxide Detector
OA)	Outside temperature air sensor
Tiltle	Office/Tea Room
Date	04/12/2018
Project	Thorngrove
Version	1



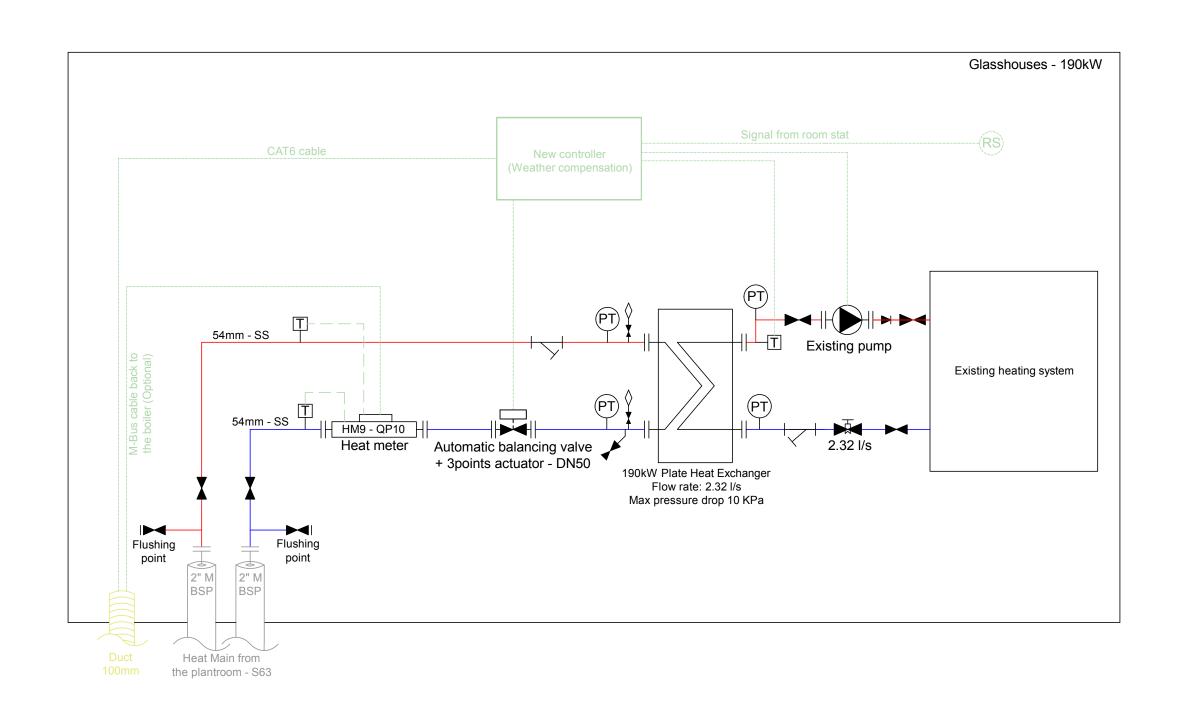
- Drain cocks are to be installed at low level points
- 2. Air vents are to be installed at high level points

	Mechanical key:
PTHP	Pressure switch High Pressure
PTLP	Pressure switch Low Pressure
PT	Pressure&Temperature Gauge
T	Temperature Gauge
Ŧ	Temperature Sensor
	Variable speed pump
*	Drain cock
L	Relief valve
\(\)	Automatic Air vent
H	Isolating valve
×	Pressure reducing valve
M	Lockshield valve
I	Double regulating valve
₩	Self acting 3 port valve
M	Capped-off filling point
\blacksquare	Motorised 2 ports valve
	Motorised 3 port valve
H	Check valve
₩	Double check valve
\rightarrow	Line strainer
2	Emergency stop
(SD)	Smoke Detector
FS	Fire sensor
©	Carbon Monoxide Detector
(OA)	Outside temperature air sensor
Tiltle	New Glasshouse
Date	04/12/2018
Project	Thorngrove
Version	1



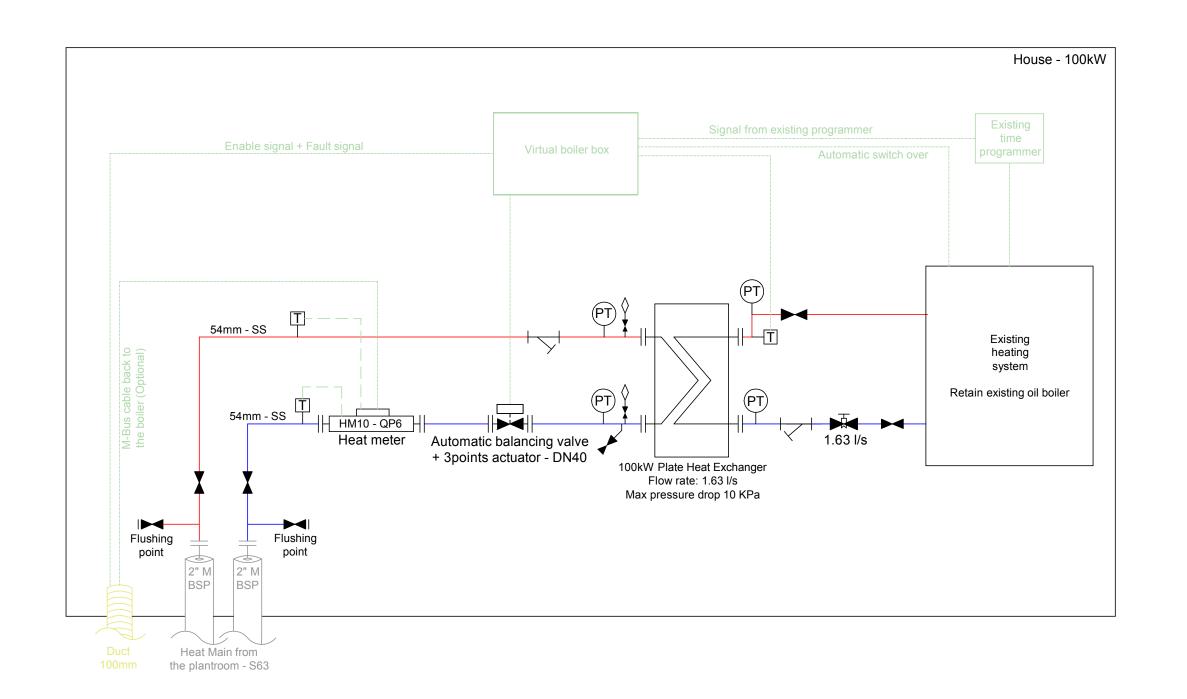
- 1. Drain cocks are to be installed at low level points
- 2. Air vents are to be installed at high level points

	Mechanical key:
PTHP	Pressure switch High Pressure
PTLP	Pressure switch Low Pressure
P	Pressure&Temperature Gauge
T	Temperature Gauge
T	Temperature Sensor
	Variable speed pump
*	Drain cock
⊢ ₹	Relief valve
\(\)	Automatic Air vent
H	Isolating valve
M	Pressure reducing valve
M	Lockshield valve
—	Double regulating valve
*	Self acting 3 port valve
H	Capped-off filling point
	Motorised 2 ports valve
	Motorised 3 port valve
H	Check valve
₩	Double check valve
\rightarrow	Line strainer
	Emergency stop
(SD)	Smoke Detector
FS	Fire sensor
<u>©</u>	Carbon Monoxide Detector
OA)	Outside temperature air sensor
Tiltle	New Cafe
Date	04/12/2018
Project	Thorngrove
Version	1



- 1. Drain cocks are to be installed at low level points
- 2. Air vents are to be installed at high level points

	Mechanical key:
PTHP	Pressure switch High Pressure
PTLP	Pressure switch Low Pressure
PT	Pressure&Temperature Gauge
T	Temperature Gauge
甲	Temperature Sensor
	Variable speed pump
*	Drain cock
L	Relief valve
\(\)	Automatic Air vent
H	Isolating valve
>	Pressure reducing valve
M	Lockshield valve
I	Double regulating valve
*	Self acting 3 port valve
M	Capped-off filling point
Image: section of the sec	Motorised 2 ports valve
\blacksquare	Motorised 3 port valve
H	Check valve
▶	Double check valve
\rightarrow	Line strainer
2	Emergency stop
(SD)	Smoke Detector
FS	Fire sensor
<u>©</u>	Carbon Monoxide Detector
(OA)	Outside temperature air sensor
Tiltle	Glasshouses
Date	04/12/2018
Project	Thorngrove
Version	1
	1



- Drain cocks are to be installed at low level points
- 2. Air vents are to be installed at high level points

	Mechanical key:
PTHP	Pressure switch High Pressure
PTLP	Pressure switch Low Pressure
PT	Pressure&Temperature Gauge
T	Temperature Gauge
Ŧ	Temperature Sensor
	Variable speed pump
*	Drain cock
L=2	Relief valve
\(\)	Automatic Air vent
H	Isolating valve
>	Pressure reducing valve
M	Lockshield valve
I	Double regulating valve
₩	Self acting 3 port valve
H	Capped-off filling point
\blacksquare	Motorised 2 ports valve
	Motorised 3 port valve
H	Check valve
>>	Double check valve
\rightarrow	Line strainer
全	Emergency stop
SD	Smoke Detector
FS	Fire sensor
©	Carbon Monoxide Detector
(OA)	Outside temperature air sensor
Tiltle	House
Tiltle Date	04/12/2018