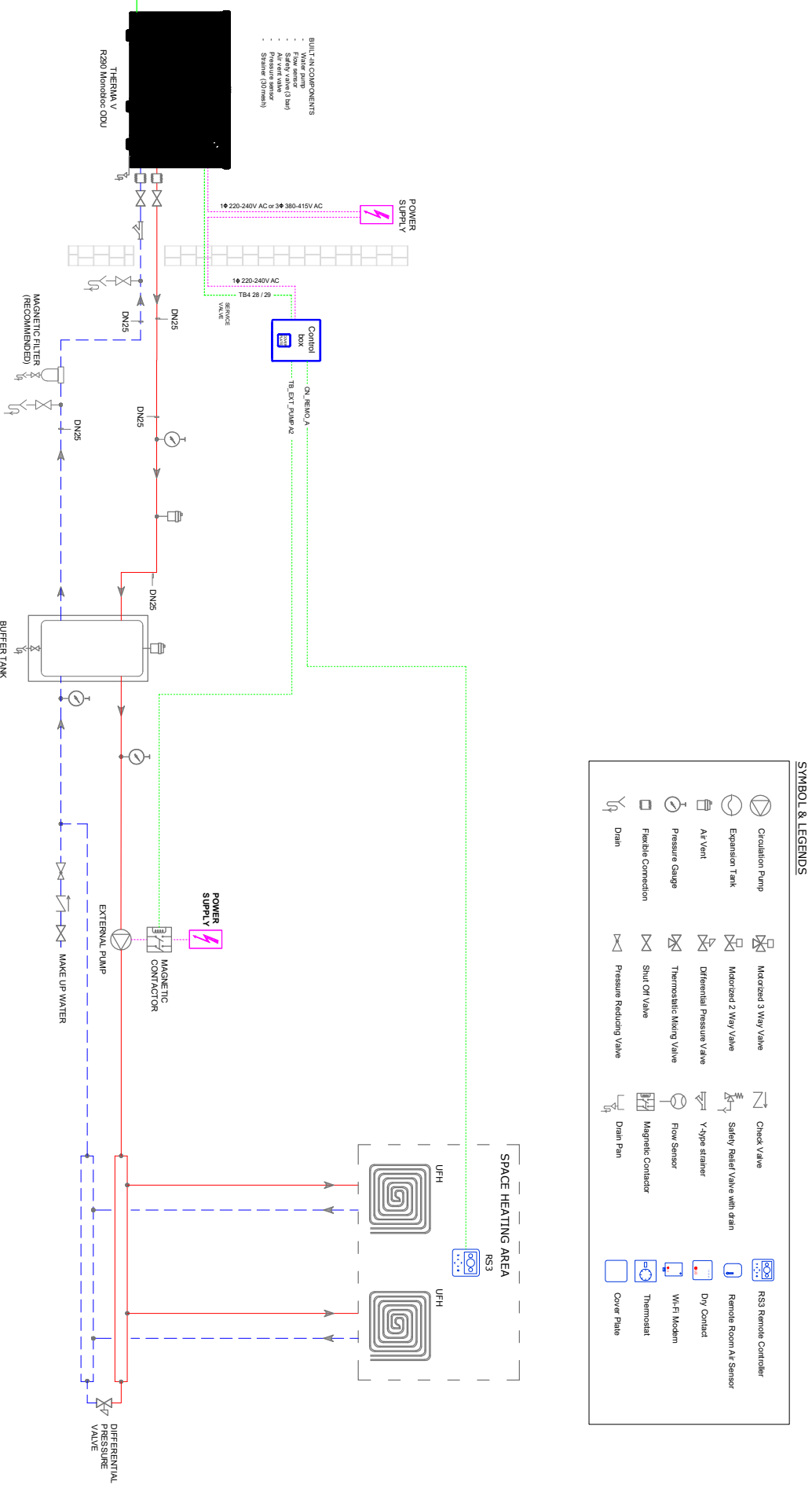


HYDRONIC DIAGRAM



- NOTE**
1. This diagram should be used only for reference purpose. It does not contain all the required equipment and safety components in accordance with actual site conditions. Furthermore, please make sure to take into account the applicable standards and laws for each country. LG Electronics disclaims any direct or indirect responsibility for any consequences arising out of any inaccuracies or consequential changes to this general scheme.
 2. It is essential to ensure the minimum amount of water contained in the heating or cooling system.
 3. Must fit the insulations on the entire water piping including valves and connections.
 4. In a cold climate region, water drainage from outdoor unit must be frost-proof.

ACCESSORIES/LG

RS3 Controller (Default)
A wired remote controller with built-in temperature sensor.

Hydro Box & W/T : attached with indoor unit as a default, detachable and extendable up to max. 50m using extension cable (PZCWMRC1)

Extension Wire for RS3 Controller (PZCWMRC1)
Cable length 10m

Cover Plate (PZCWH10)
A device to fill the blank space of the indoor unit front panel when the remote controller is relocated indoors.

3RD PARTY ACCESSORIES

External Pump
An external water pump that circulates the water inside piping when water circuit is segregated or pump discharge head is insufficient to overcome total system friction loss.

Magnetic Filter (Recommended)
A magnetic filter that collects metallic particle caused by corrosion or erosion. It is strongly recommended to install the magnetic filter to protect heat pump system.

Buffer Tank
A water tank containing certain amount of water that secures the required minimum water volume for the heat pump to start up when no load is needed for defrosting and reducing start up load.

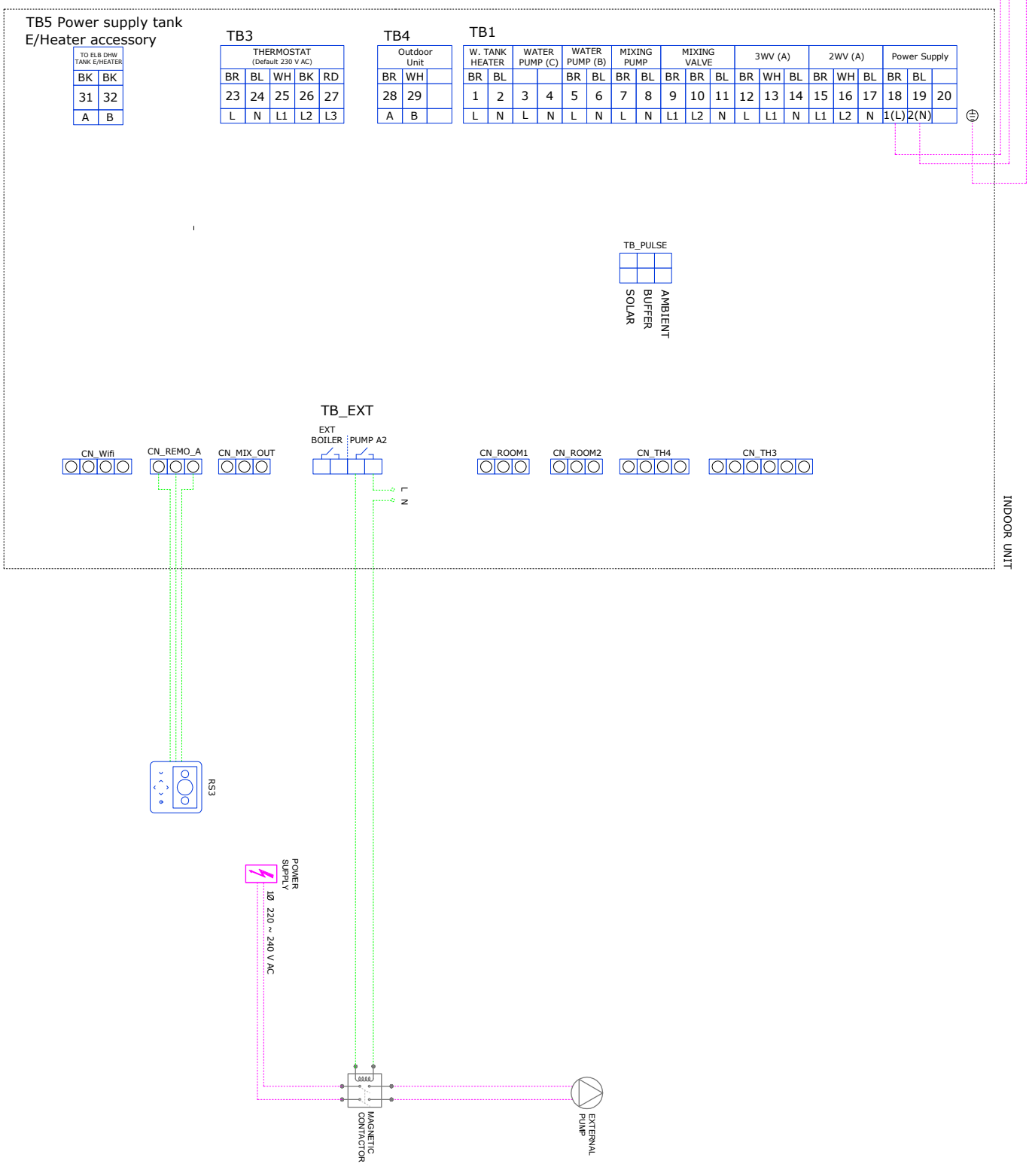
Differential Pressure Valve
A self pressure regulating valve that provides constant differential pressure between supply and return headers.



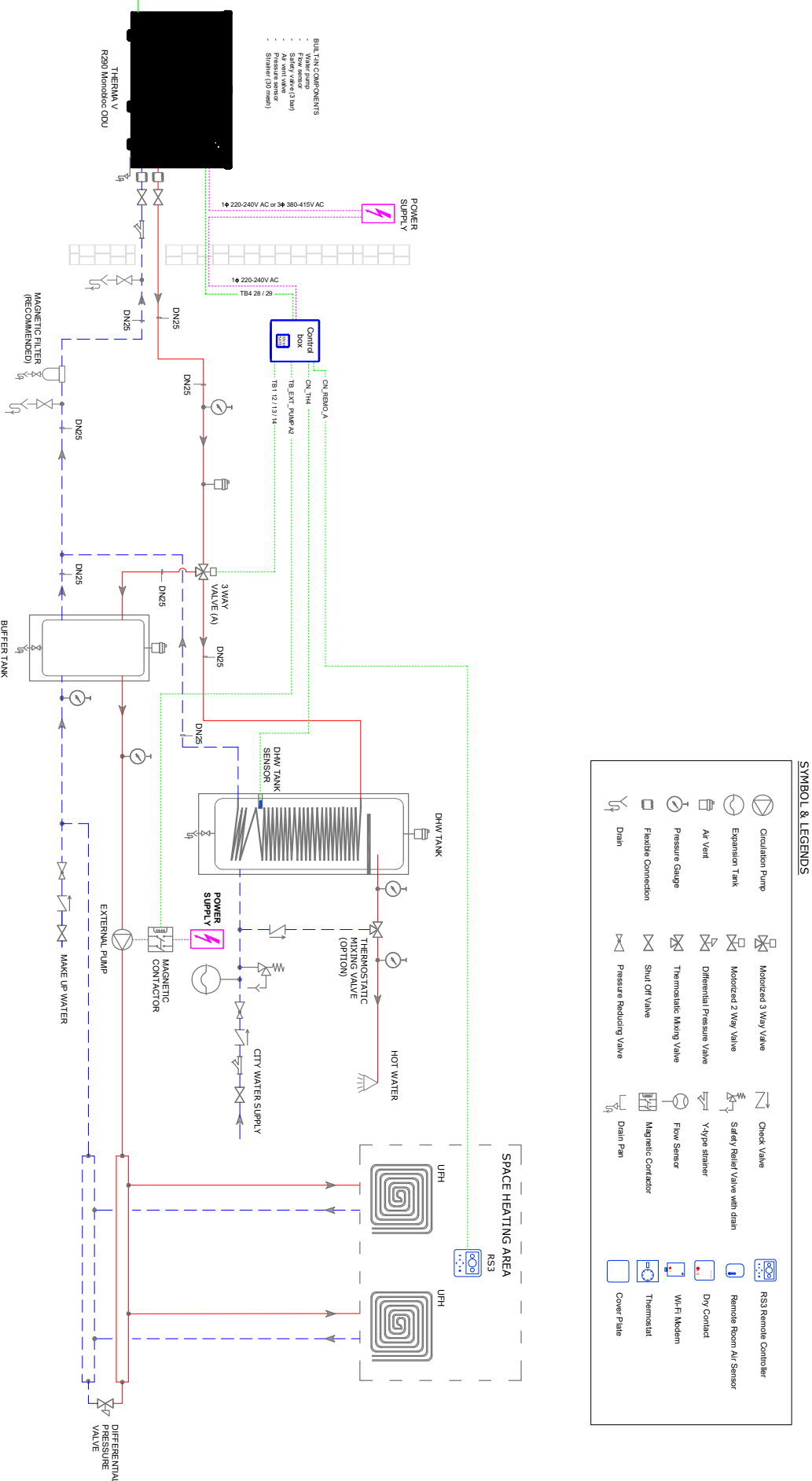
Lifes Good

REFERENCED APPLICATION #0 SPACE HEATING

WIRING DIAGRAM



HYDRONIC DIAGRAM



NOTE

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2. It is essential to ensure the minimum amount of water contained in the heating or cooling system.
3. Must fit the insulations on the entire water piping including valves and connections.
4. In a cold climate region, water drainage from outdoor unit must be frost-proof.

ACCESSORIES LG

RS3 Controller (Default)
 A wired remote controller with built-in temperature sensor.
Hydro Box & W/T : attached with indoor unit as a default, detachable and extendable up to max. 50m using extension cable (PZCWR/C1)

Extension Wire for RS3 Controller (PZCWR/C1)
 Cable length 10m

Cover Plate (PCC-HR10)
 A device to fill the blank space of the Indoor Unit front panel when the remote controller is relocated indoors.

3 Way Valve (A) (OSH4-3V)
 A motorized 3-way diverging valve determining flow direction to either space heating or DHW tank. Controlled by THERMA V with 230V power. Operating time 3s.

Domestic Hot Water Tank (OSH4V-200T/300T/500T)
 1. Insulated stainless steel hot water tank with Single Coil : OSH4V-200F(200L) / 300F(300L) / 500F(500L)

DHW Tank Sensor (PHERSTA0)
 A temperature sensor for DHW tank. Cable length 12m.

3RD PARTY ACCESSORIES

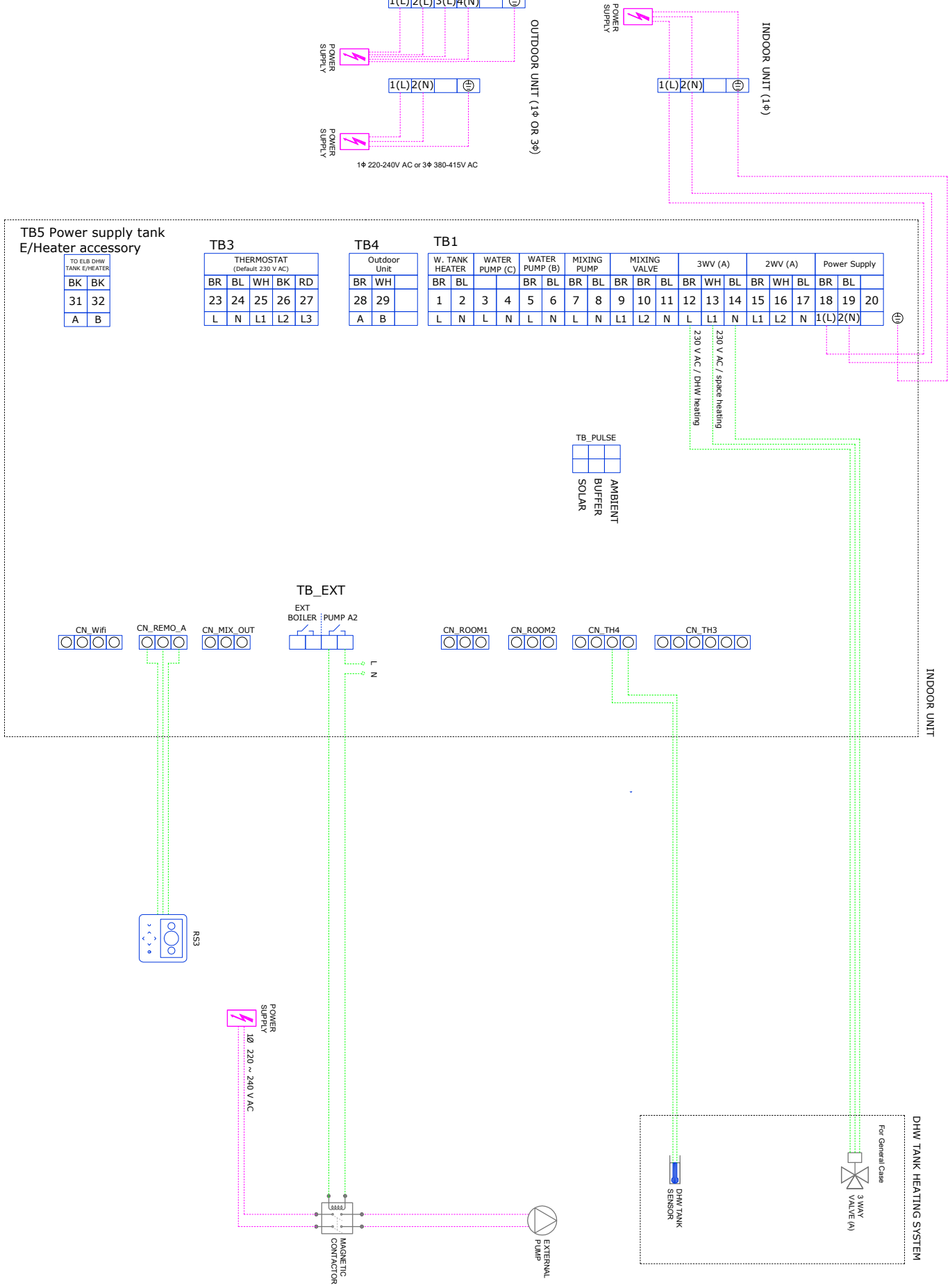
External Pump
 An external water pump that circulates the water inside piping when water circuit is segregated or pump discharge head is insufficient to overcome total system friction loss.

Magnetic Filter (Recommended)
 A magnetic filter that collects metallic particle caused by corrosion or erosion. It is strongly recommended to install the magnetic filter to protect heat pump system.

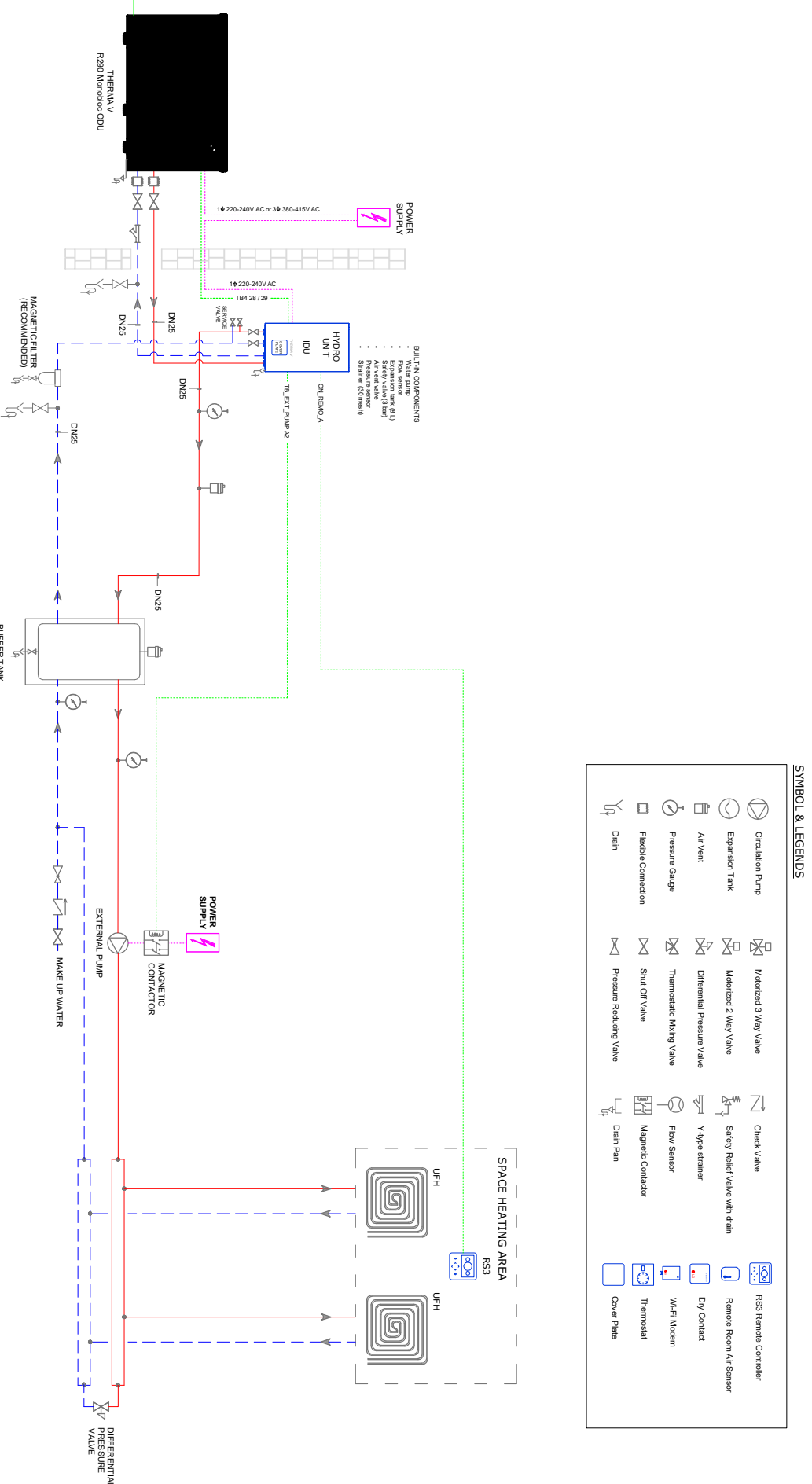
Buffer Tank
 A water tank containing certain amount of water that reserves the required minimum water volume for the heat pump system. It is strongly recommended for defrosting and reducing start up load.

Differential Pressure Valve
 A self pressure regulating valve that provides constant differential pressure between supply and return headers.

WIRING DIAGRAM



HYDRONIC DIAGRAM



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 2. It is essential to ensure the minimum amount of water contained in the heating or cooling system.
 3. Must fit the insulations on the entire water piping including valves and connections.
 4. In a cold climate region, water drainage from outdoor unit must be frost-proof.

ACCESSORIES/LG

RS3 Controller (Default)
A wired remote controller with built-in temperature sensor.
Hydro Box & W/T : attached with indoor unit as a default, detachable and extendable up to max. 50m using extension cable (PZCWR-C1)

Extension Wire for RS3 Controller (PZCWR-C1)
Cable length 10m

Cover Plate (PZC-HR10)
A device to fill the blank space of the Indoor Unit front panel when the remote controller is relocated indoors.

3RD PARTY ACCESSORIES

External Pump
An external water pump that circulates the water inside piping when water circuit is segregated or pump discharge head is insufficient to overcome total system friction loss.

Magnetic Filter (Recommended)
A magnetic filter that collects metallic particle caused by corrosion or erosion. It is strongly recommended to install the magnetic filter to protect heat pump system.

Buffer Tank
A water tank containing certain amount of water that secures the required minimum water volume for the system. It is necessary to install a tank to be needed for defrosting and reducing start up load.

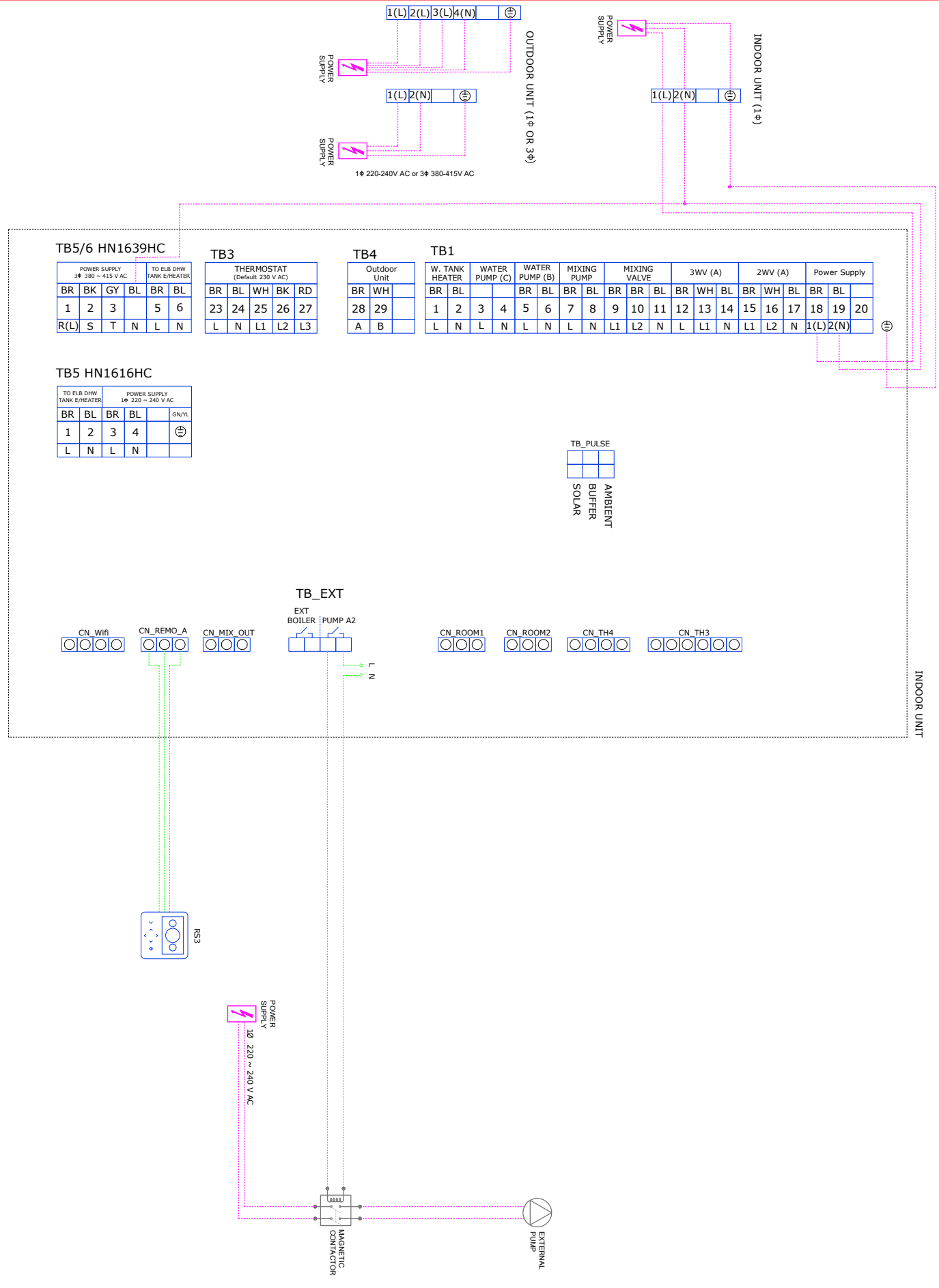
Differential Pressure Valve
A self pressure regulating valve that provides constant differential pressure between supply and return headers.



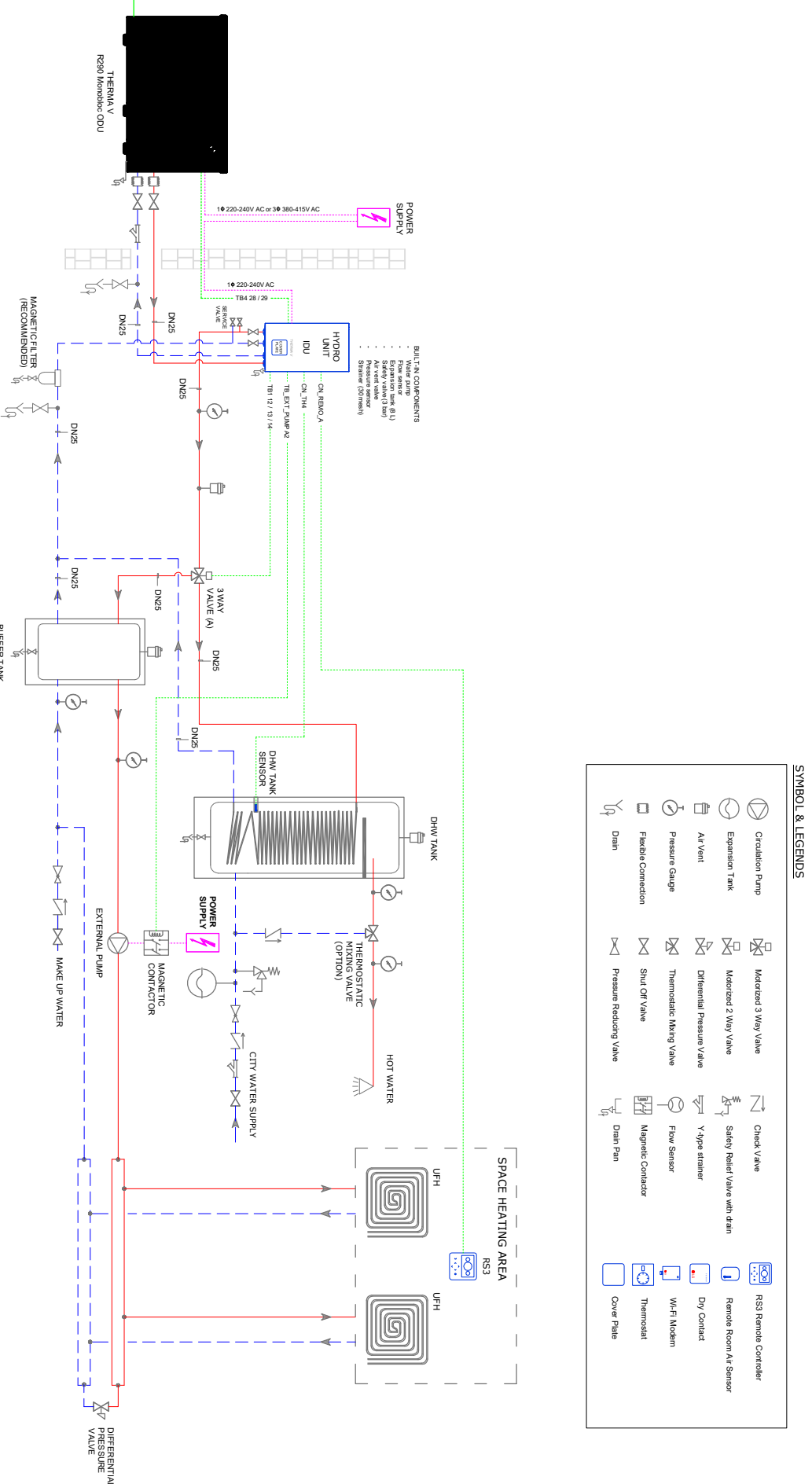
Lifes Good

REFERENCED APPLICATION #0 SPACE HEATING

WIRING DIAGRAM



HYDRONIC DIAGRAM



NOTE

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2. It is essential to ensure the minimum amount of water contained in the heating or cooling system.
3. Must fit the insulations on the entire water piping including valves and connections.
4. In a cold climate region, water drainage from outdoor unit must be frost-proof.

ACCESSORIES LG

RS3 Controller (Default)
 A wired remote controller with built-in temperature sensor.
 Hydro Box & IWT : attached with indoor unit as a default, detachable and extendable up to max. 50m using extension cable (PZCWR-C1)

Extension Wire for RS3 Controller (PZCWR-C1)
 Cable length 10m

Cover Plate (PQC-HR10)
 A device to fill the blank space of the Indoor Unit front panel when the remote controller is relocated indoors.

3 Way Valve (A) (OSHA-3V)
 A motorized 3-way diverting valve determining flow direction to either space heating or DHW tank. Controlled by THERMA V with 230V power. Operating time 3s.

Domestic Hot Water Tank (OSHW-200F/300F/500F)
 A insulated stainless steel hot water tank with 1.4kW electric heater (200F/300F/500F).
 Single Coil : OSHW-200F(20L)/300F(300L)/500F(600L)

DHW Tank Sensor (PHRSTAD)
 A temperature sensor for DHW tank. Cable length 12m.

3RD PARTY ACCESSORIES

External Pump
 An external water pump that circulates the water inside piping when water circuit is segregated or pump discharge head is insufficient to overcome total system friction loss.

Magnetic Filter (Recommended)
 A magnetic filter that collects metallic particle caused by corrosion or erosion. It is strongly recommended to install the magnetic filter to protect heat pump system.

Buffer Tank
 A water tank containing certain amount of water that secures the required minimum water volume for the heat pump system. It is necessary when needed for defrosting and reducing start up load.

Differential Pressure Valve
 A self pressure regulating valve that provides constant differential pressure between supply and return headers.

WIRING DIAGRAM

