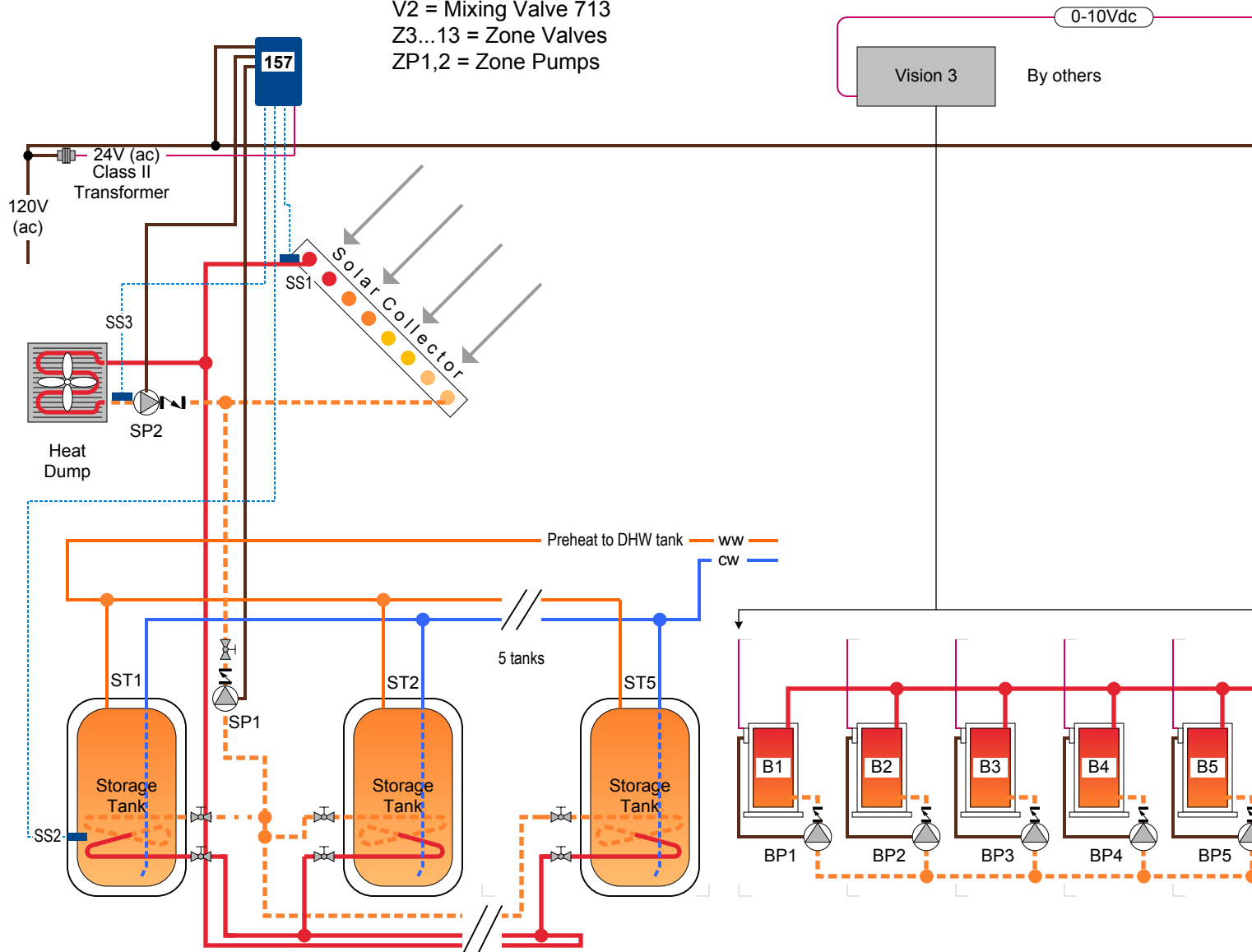


LEGEND:

A1 = DHW Tank Aquastat
 B1-6 = Boiler #1 to Boiler #6
 BP1-6 = Boiler Pumps
 P1 = DHW Pump
 P2 = Mix System Pump
 M1,2 = Actuating Motor 441 tN4
 R1 = 120V coil DPDT Relay 004
 SP1 = Solar Pump 1 (storage)
 SP2 = Solar Pump 2 (heat dump)
 T1...13 = tN4 Thermostats
 V1 = Mixing Valve 711
 V2 = Mixing Valve 713
 Z3...13 = Zone Valves
 ZP1,2 = Zone Pumps

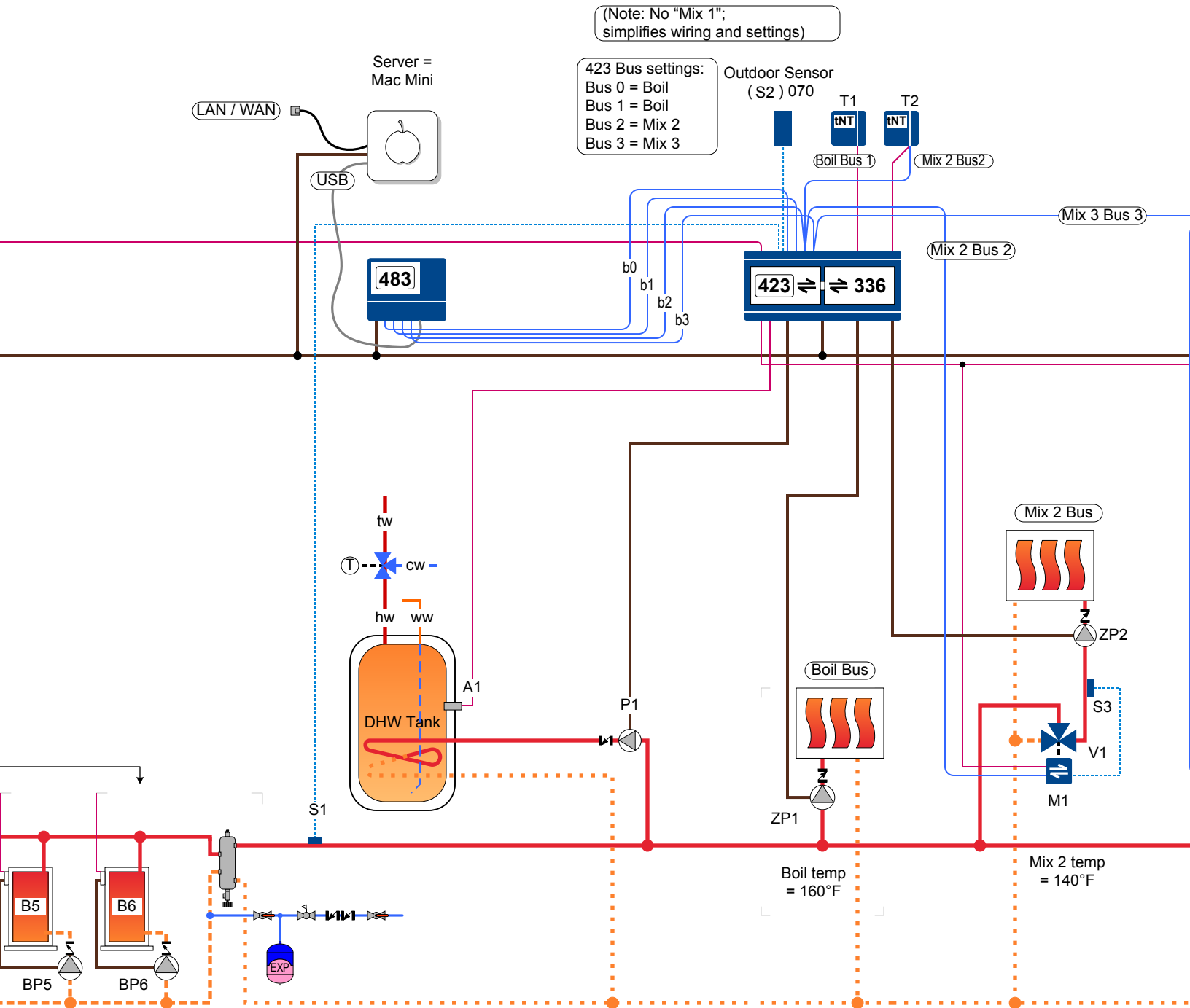
Sensors:

S1 = Boiler Supply Sensors 071 or 082
 S2 = Outdoor Sensor 070
 S3 = Mixed 2 Supply Sensor 071
 S4 = Mixed 3 Supply Sensor 071
 SS1 = Solar Source Sensor 085
 SS2 = Solar Storage Sensor 071
 SS3 = Solar Auxiliary Sensor 085



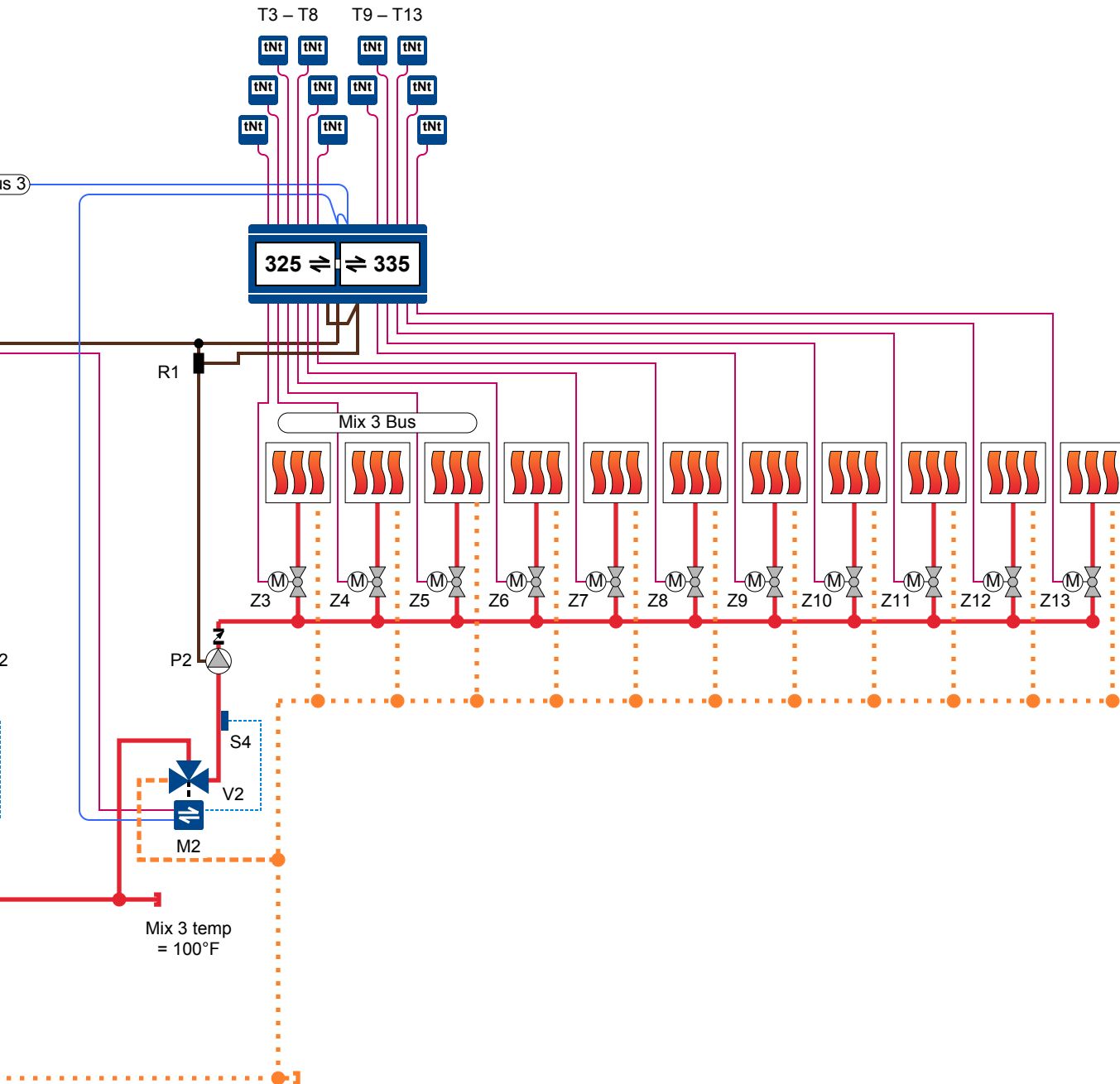
Concept Drawing

This is only a concept drawing, not an engineered drawing. It is not intended to describe a complete system, nor any particular system. It is up to the system designer to determine the necessary components for and configuration of the particular system being designed, including additional equipment, isolation relays (for loads greater than the control's specified output ratings), and any safety devices which in the judgement of the designer are appropriate, in order to properly size, configure and design that system and to ensure compliance with building and safety code requirements.



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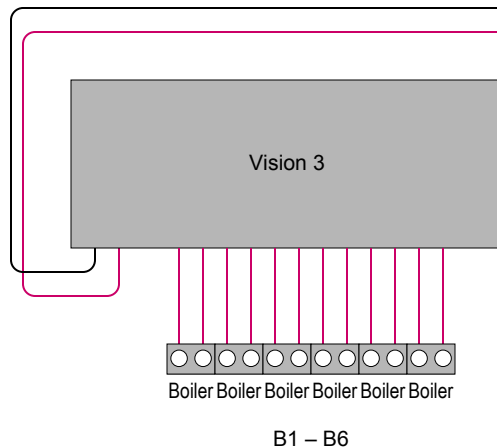
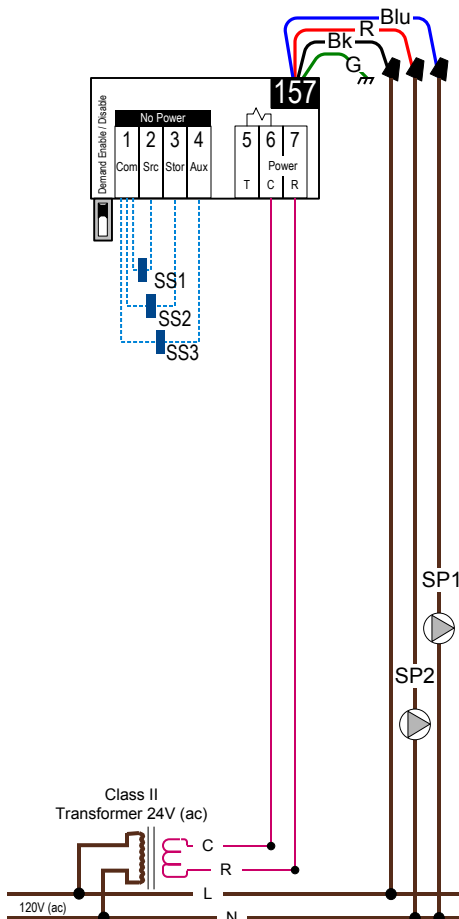
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To server/
Macmini

USB



By others

Optional - if boiler control does not accept 0-10Vdc target.

Set:

Dip tekmar stager = Off

Dip Boiler = On/Off

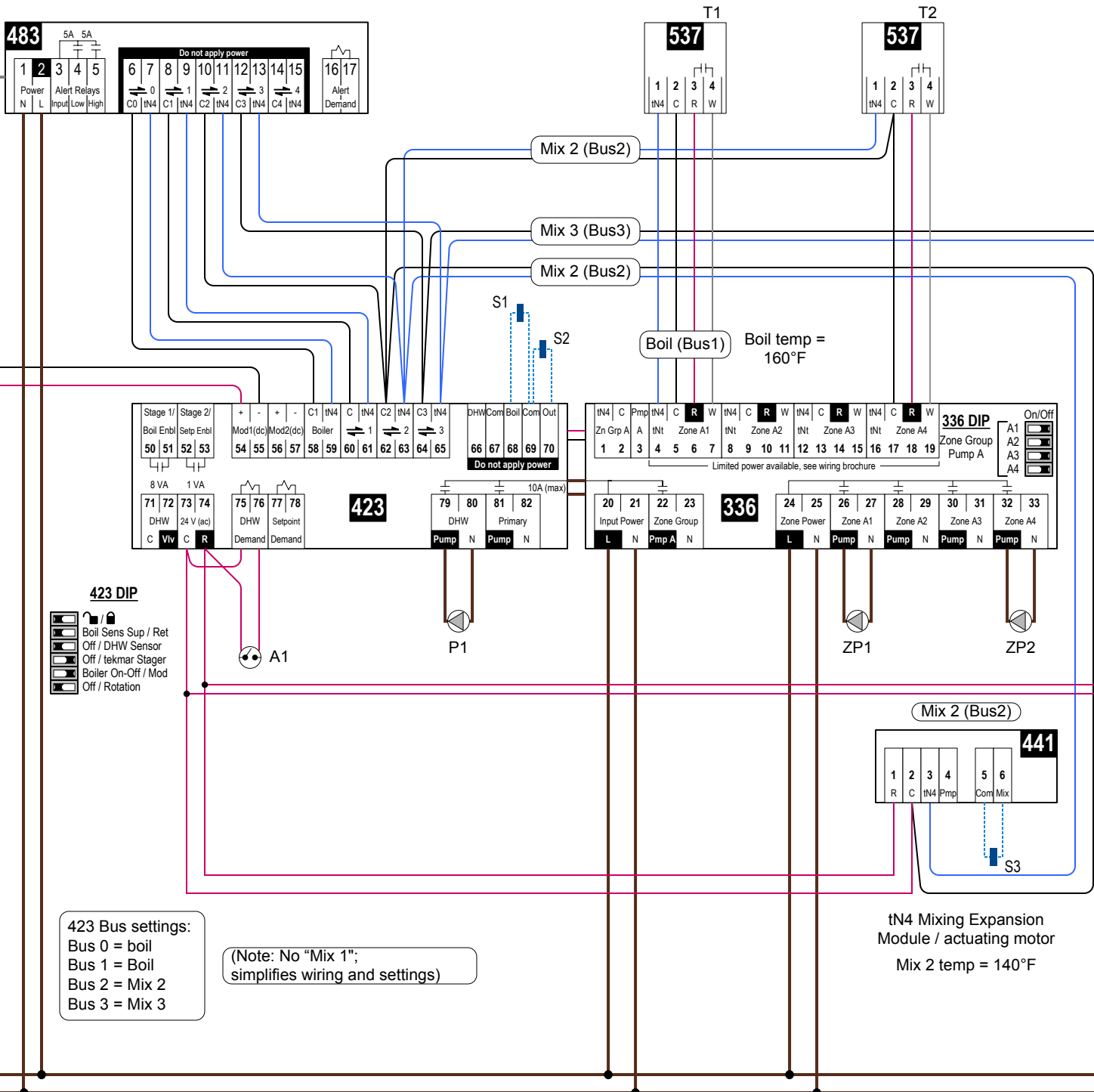
And use terminals 50-51 to call boil control.

423 DIP

<input type="checkbox"/>	Boil Sens Sup / Ret
<input type="checkbox"/>	Off / DHW Sensor
<input type="checkbox"/>	Off / tekmar Stager
<input type="checkbox"/>	Boiler On-Off / Mod
<input type="checkbox"/>	Off / Rotation

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