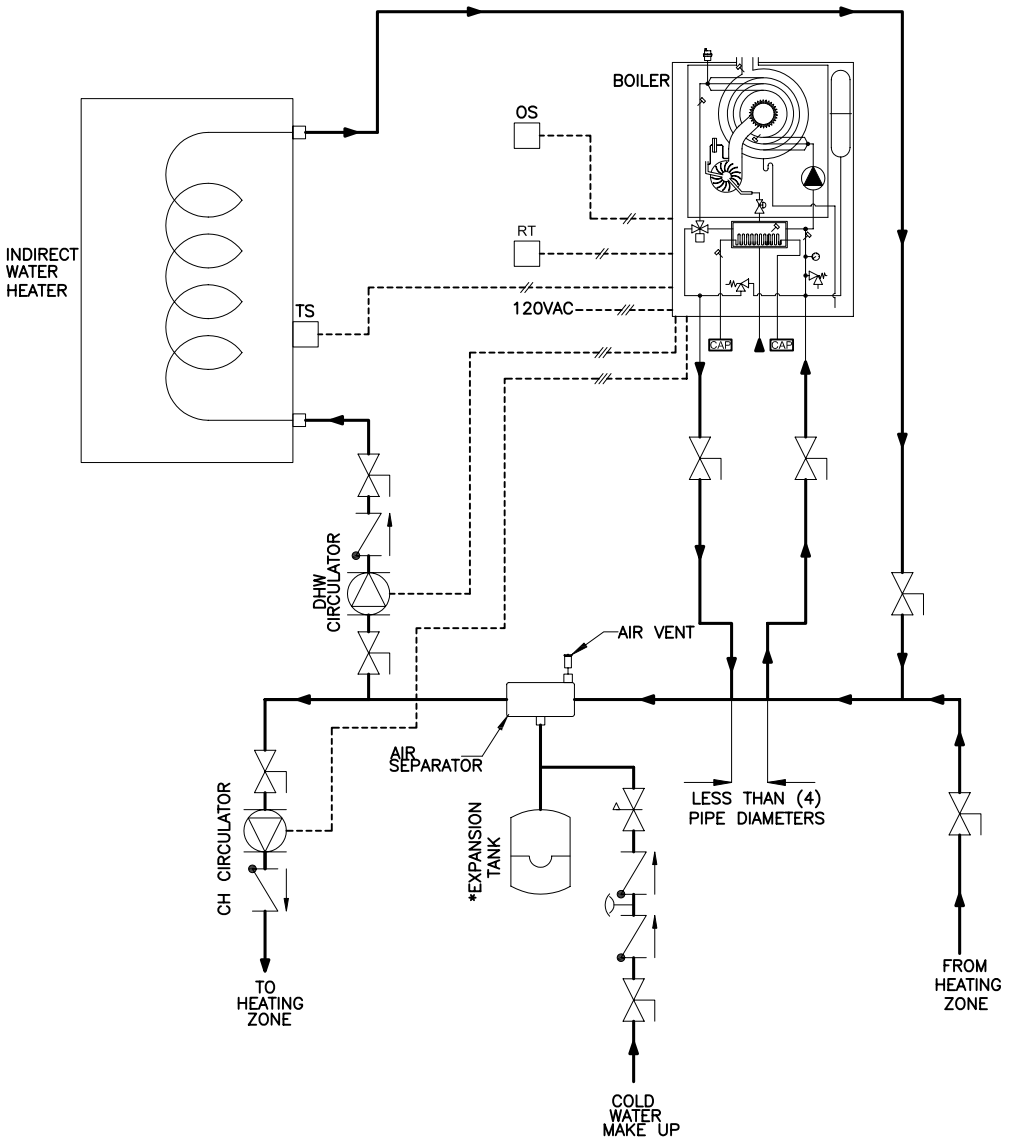
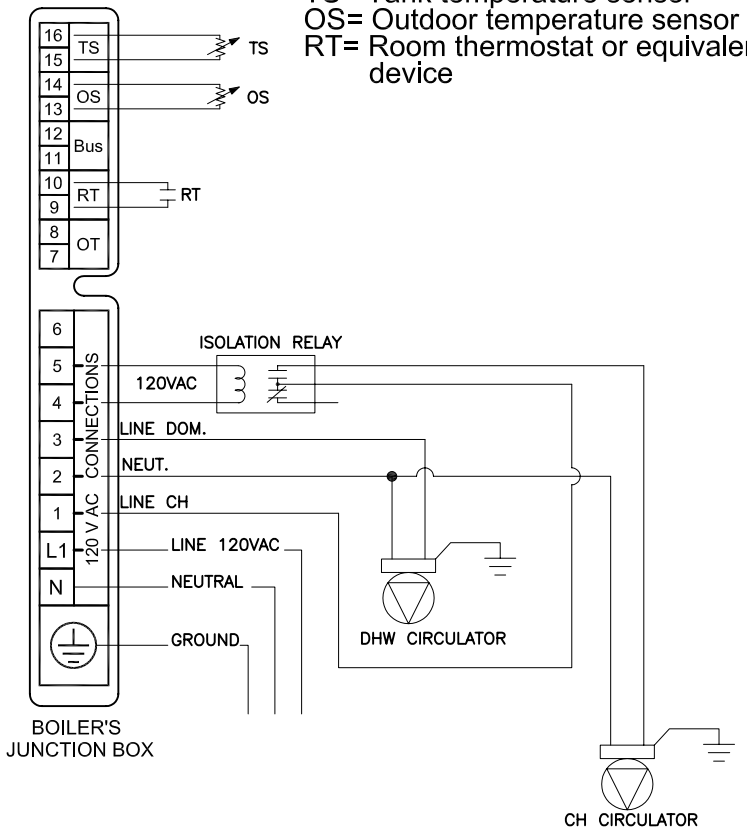
SINGLE ZONE SYSTEM WITH DOMESTIC HOT WATER PRIORITY
(DHW BY STORAGE TANK)



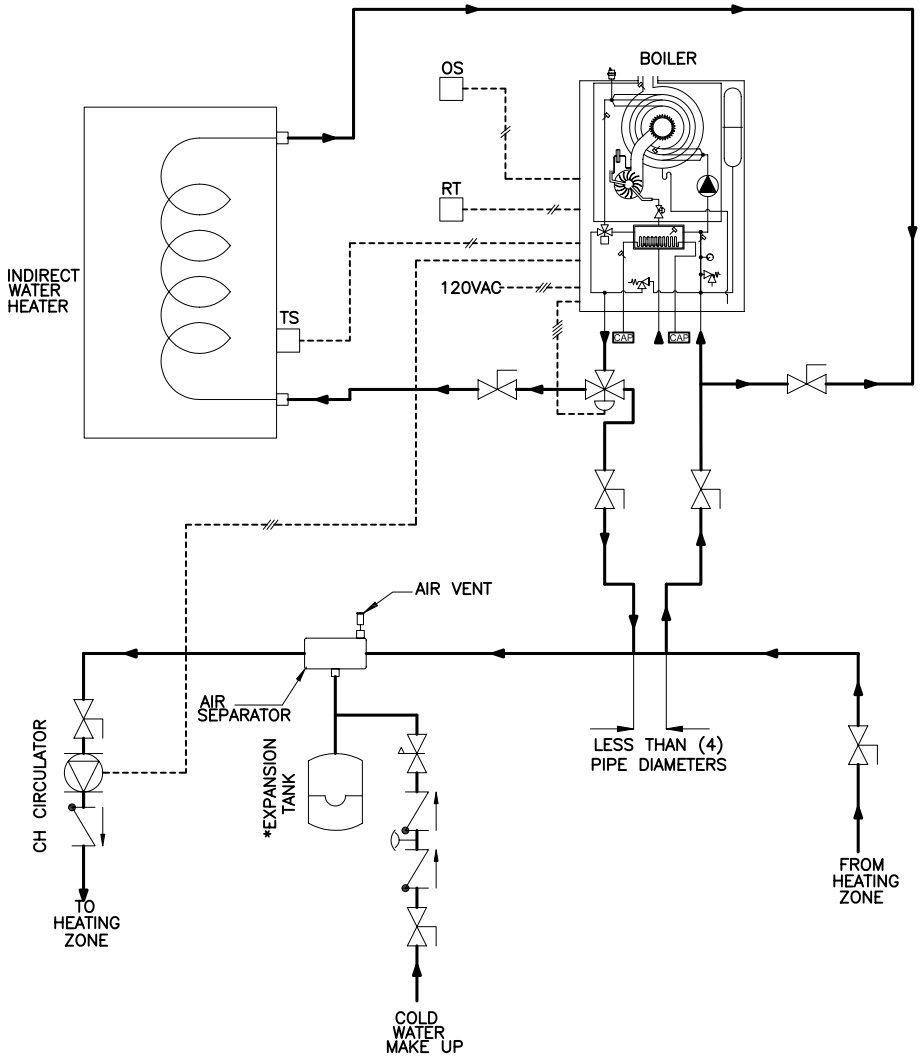
TS= Tank temperature sensor
OS= Outdoor temperature sensor
RT= Room thermostat or equivalent device

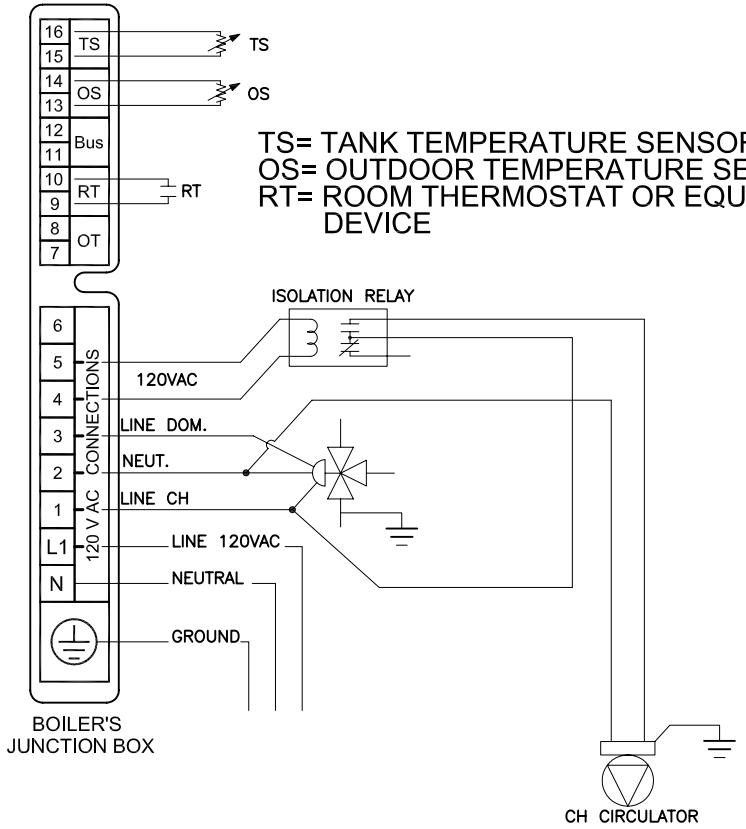


NOTE: THE DHW PIPING CIRCUIT MUST BE SIZED TO PROVIDE MINIMUM FLOW THROUGH THE BOILER.
NOTE: DISCONNECT THE PLUG FROM THE DIVERTER VALVE INSIDE THE BOILER, TO PREVENT WATER BLOCAGE FOR THE STORAGE.
NOTE: THE SWITCH N°1 INSIDE THE BOILER CONTROL BOARD MUST BE IN "ON" POSITION

*ONLY NEEDED IF CENTRAL HEATING WATER CONTENT IS HIGHER THAN 18GALS

SINGLE ZONE SYSTEM WITH DOMESTIC HOT WATER PRIORITY
(DHW BY STORAGE TANK)



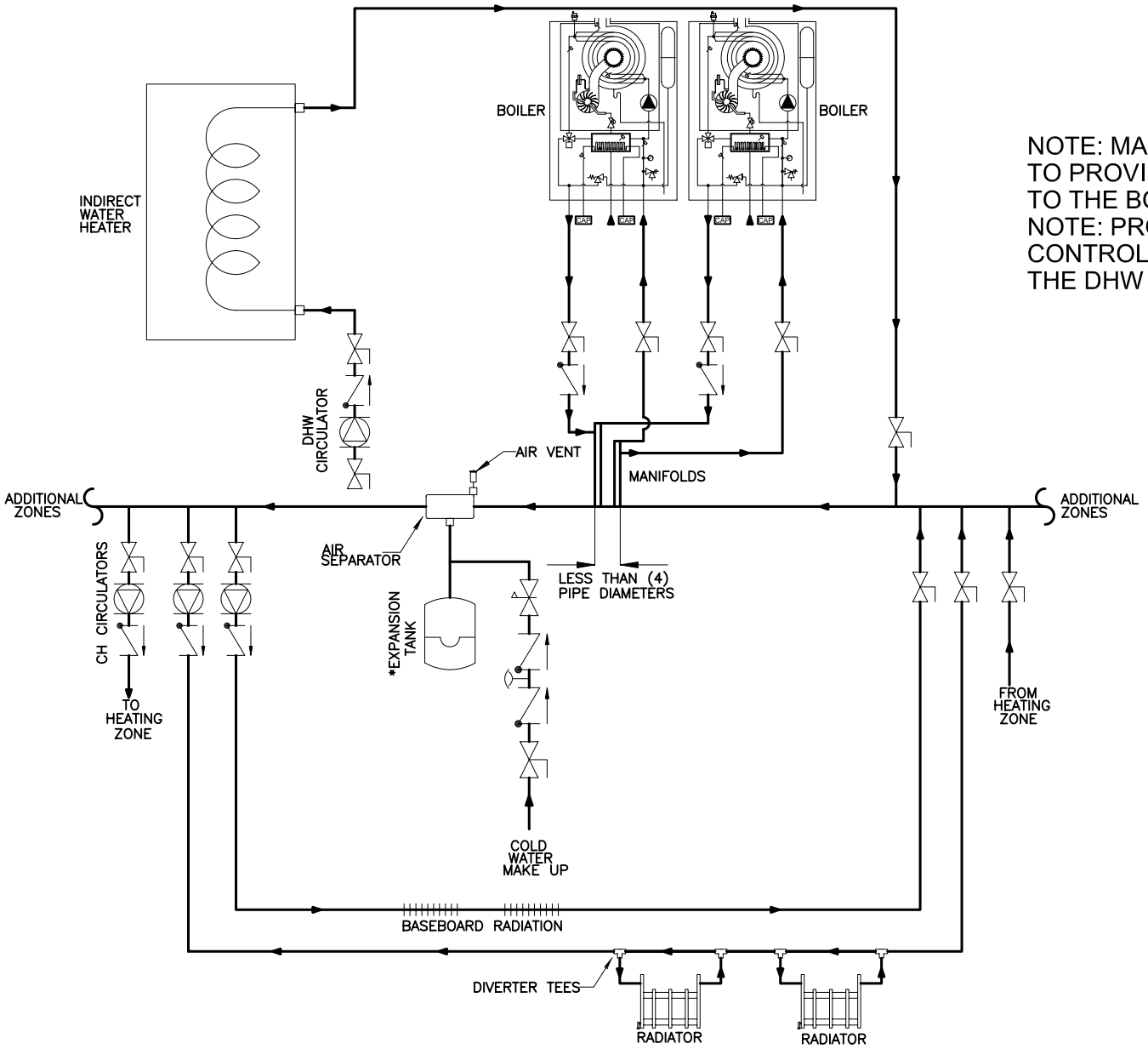


TS= TANK TEMPERATURE SENSOR
OS= OUTDOOR TEMPERATURE SENSOR
RT= ROOM THERMOSTAT OR EQUIVALENT DEVICE

NOTE: THE DHW PIPING CIRCUIT MUST BE SIZED TO PROVIDE MINIMUM FLOW THROUGH THE BOILER.
NOTE: DISCONNECT THE PLUG FROM THE DIVERTER VALVE INSIDE THE BOILER, TO PREVENT WATER BLOCAGE FOR THE STORAGE.
NOTE: THE SWITCH N°1 INSIDE THE BOILER CONTROL BOARD MUST BE IN "ON" POSITION

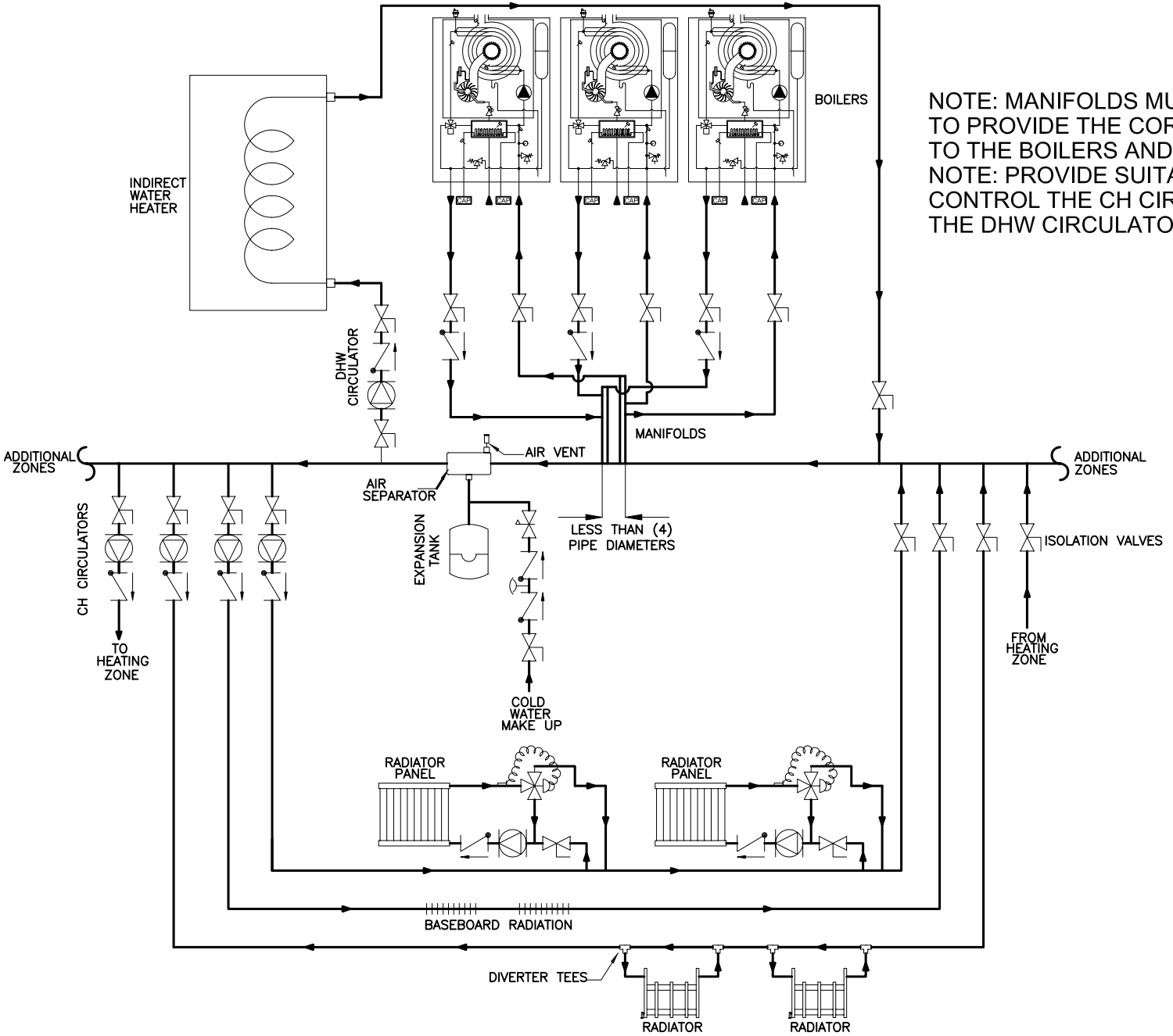
*ONLY NEEDED IF CENTRAL HEATING WATER CONTENT IS HIGHER THAN 18GALS

TWO BOILERS, PRIMARY/SECONDARY WITH FOUR ZONES (ZONE CIRCULATOR)



NOTE: MANIFOLDS MUST BE SIZED TO PROVIDE THE CORRECT FLOW TO THE BOILERS AND TO THE SYSEM.
NOTE: PROVIDE SUITABLE DEVICE TO CONTROL THE CH CIRCULATORS AND THE DHW CIRCULATOR.

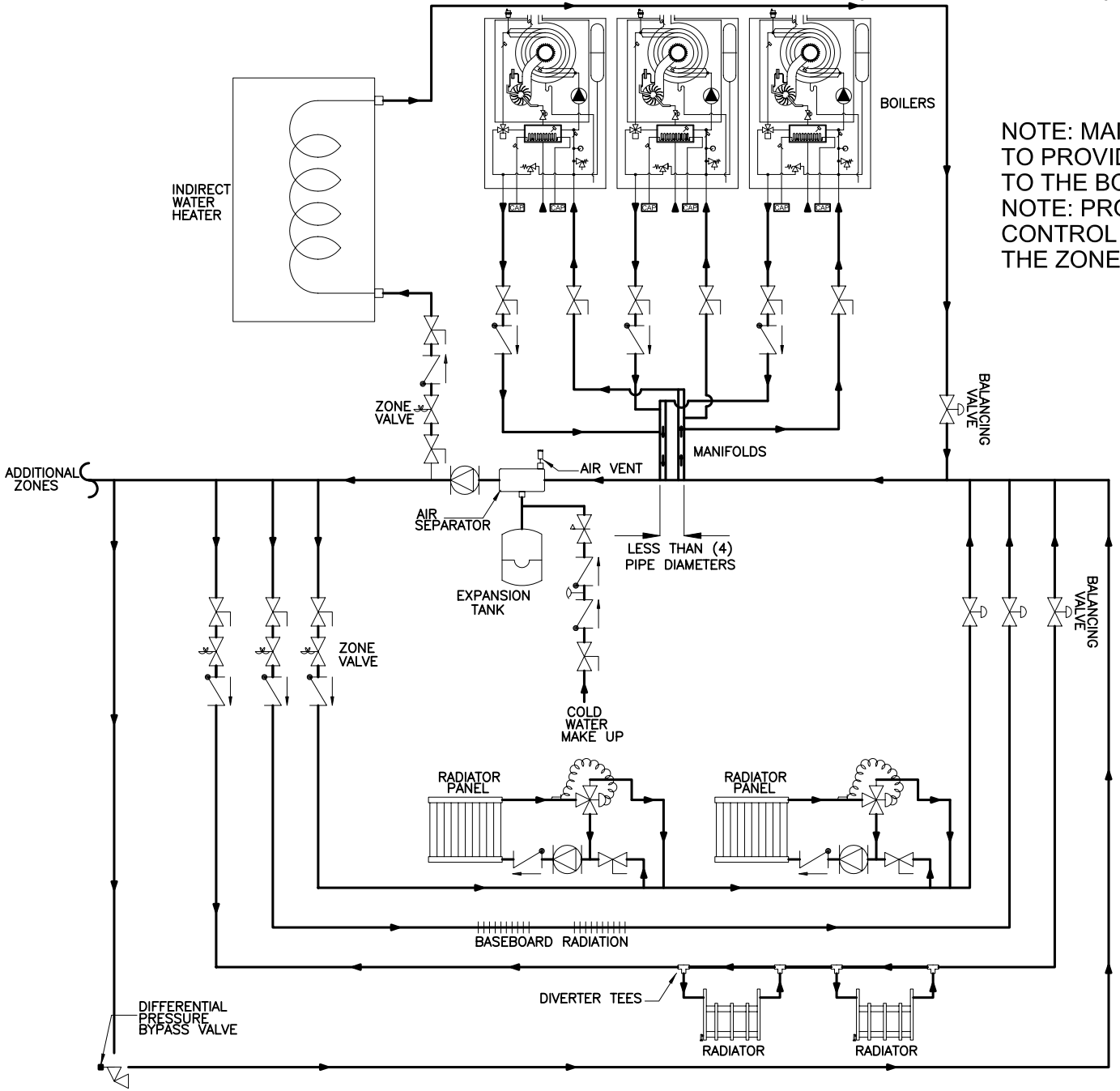
THREE BOILERS, PRIMARY/SECONDARY WITH FIVE ZONES (ZONE CIRCULATOR)



NOTE: MANIFOLDS MUST BE SIZED TO PROVIDE THE CORRECT FLOW TO THE BOILERS AND TO THE SYSTEM.
NOTE: PROVIDE SUITABLE DEVICE TO CONTROL THE CH CIRCULATORS AND THE DHW CIRCULATOR.

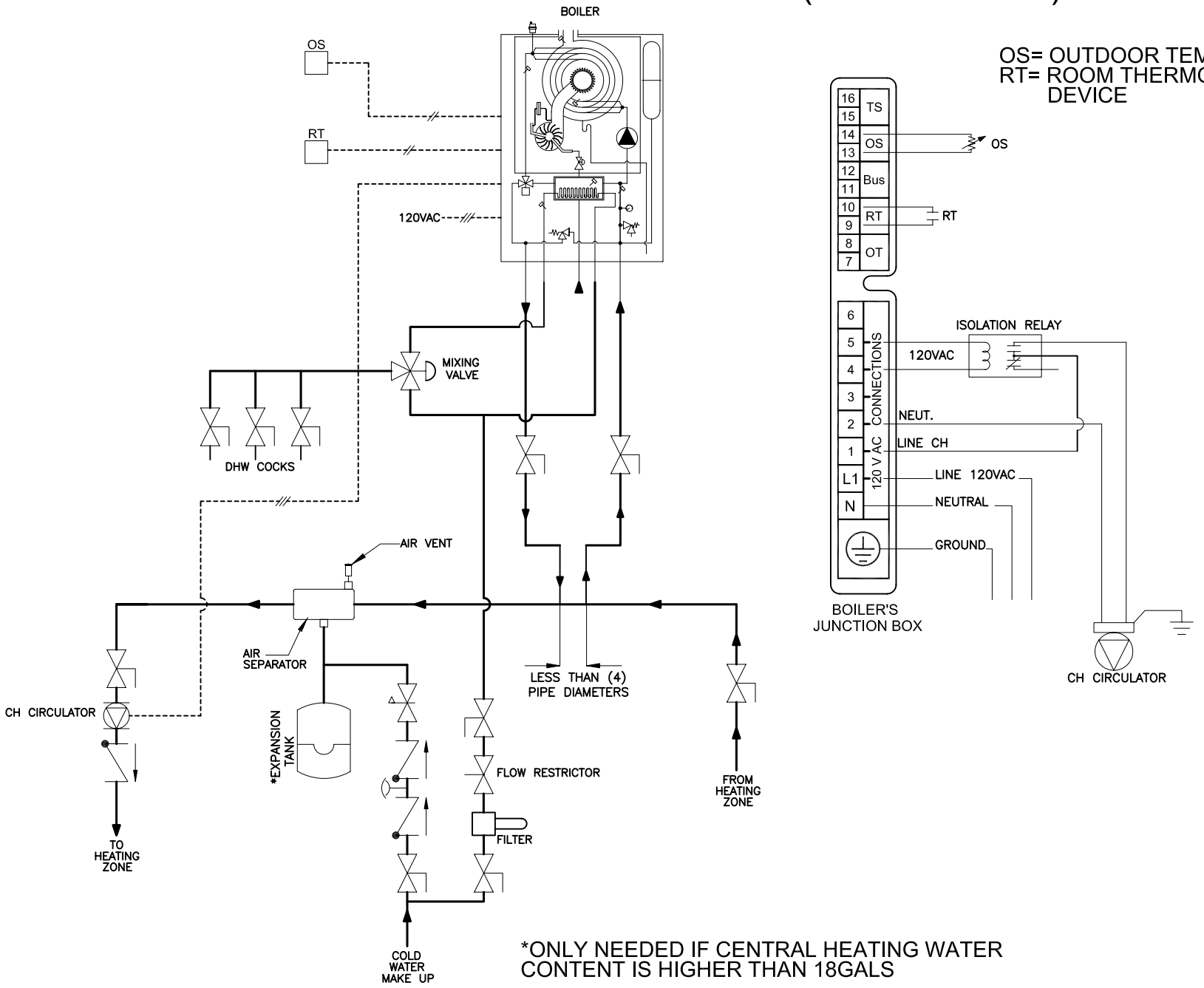
IV

THREE BOILERS, PRIMARY/SECONDARY WITH FIVE ZONES (ZONE VALVE)



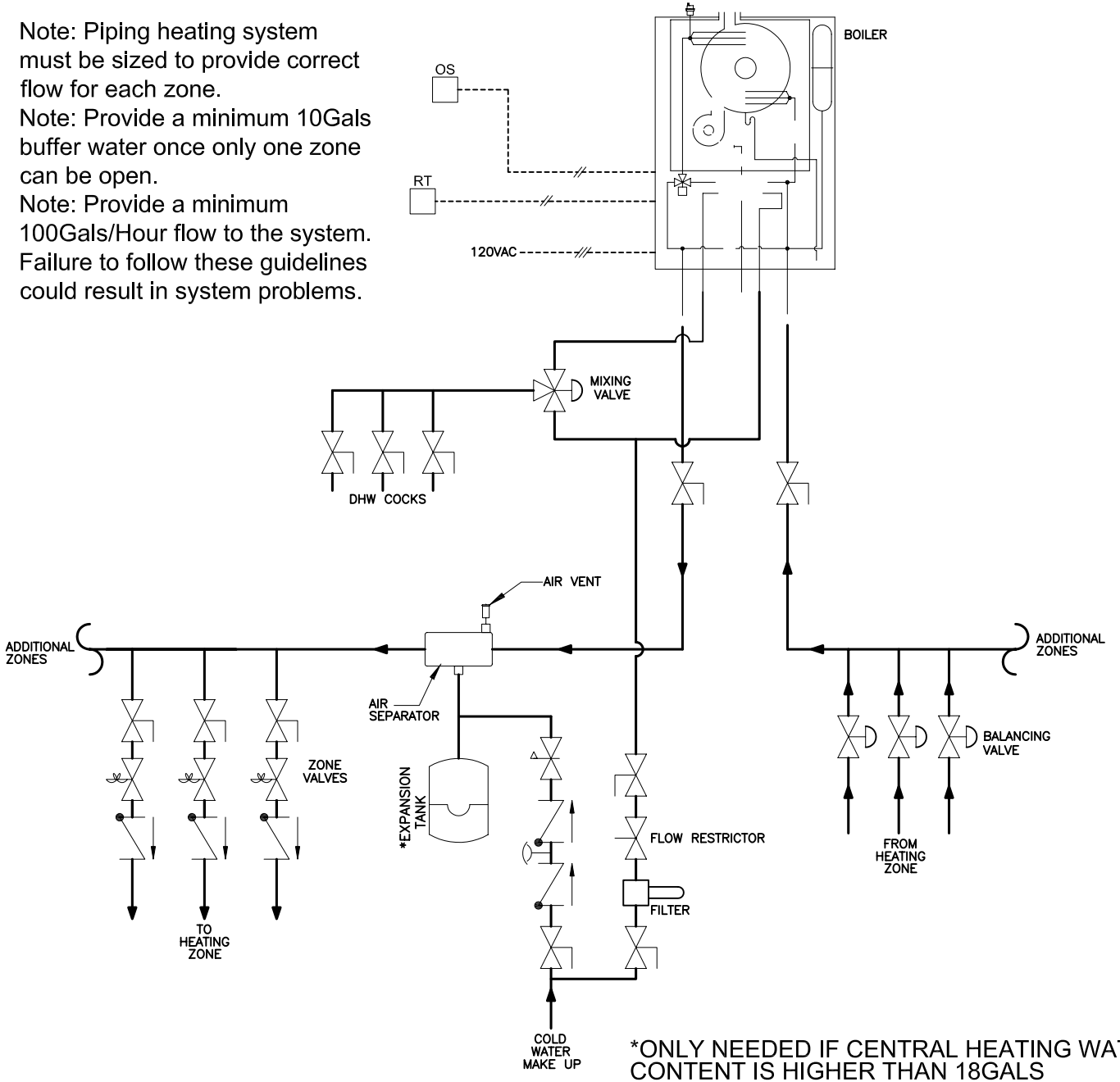
NOTE: MANIFOLDS MUST BE SIZED TO PROVIDE THE CORRECT FLOW TO THE BOILERS AND TO THE SYSTEM.
NOTE: PROVIDE SUITABLE DEVICE TO CONTROL THE CH CIRCULATORS AND THE ZONE VALVES.

Instantaneous DHW and Primary/Secondary with one zone (zone circulator)

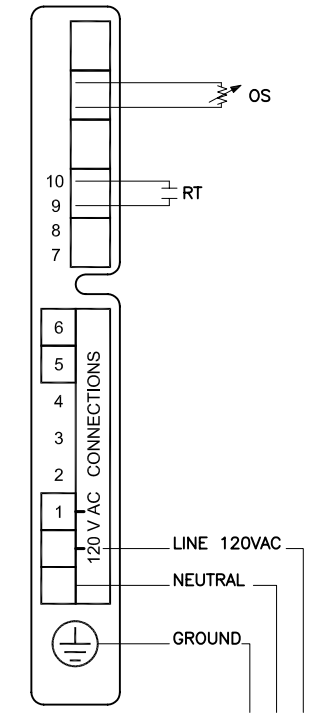


Instantaneous DHW with multiple zones (Zone valves)

Note: Piping heating system must be sized to provide correct flow for each zone.
Note: Provide a minimum 10Gals buffer water once only one zone can be open.
Note: Provide a minimum 100Gals/Hour flow to the system.
Failure to follow these guidelines could result in system problems.



OS= OUTDOOR TEMPERATURE SENSOR
RT= ROOM THERMOSTAT OR EQUIVALENT DEVICE

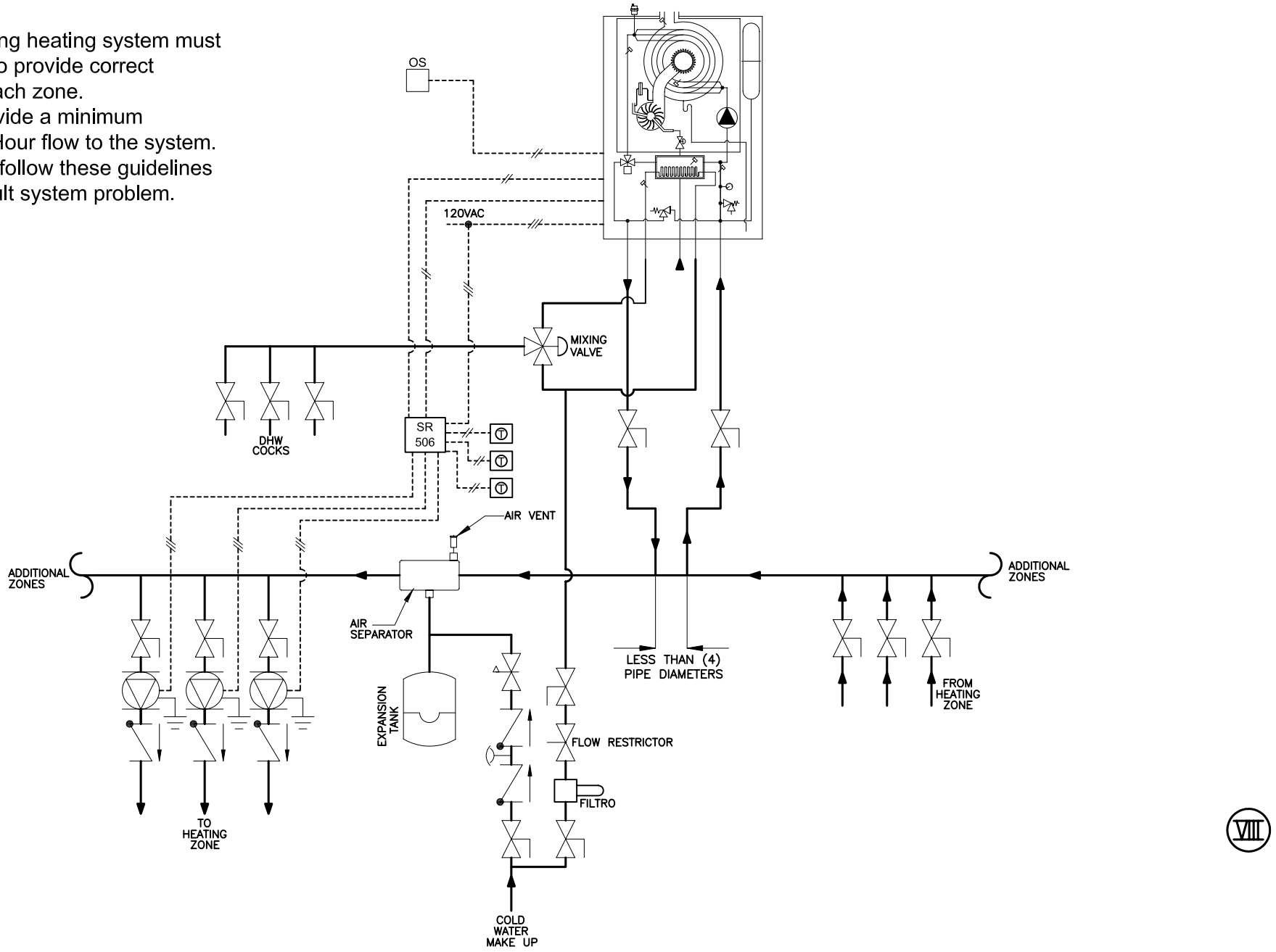


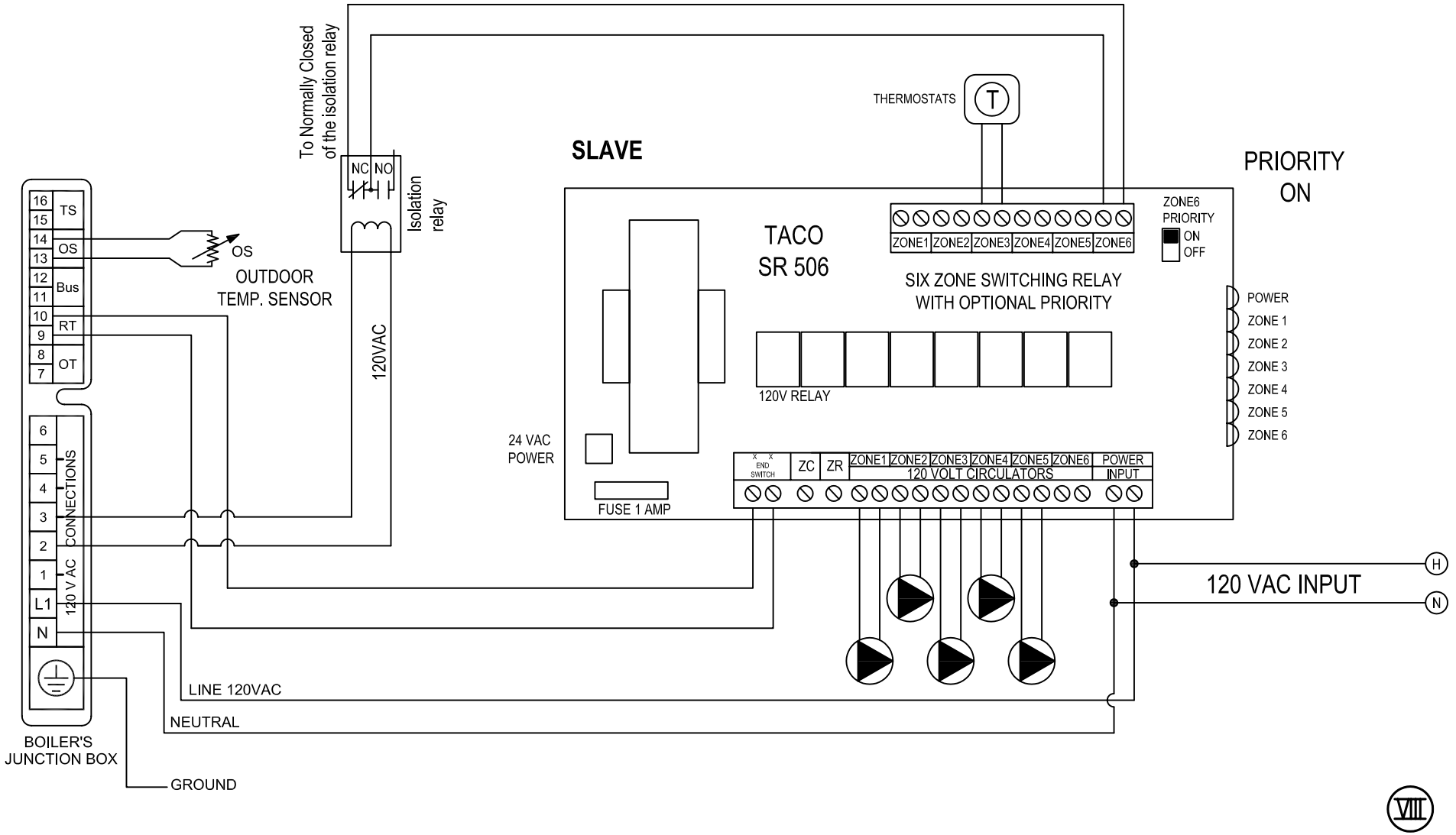
BOILER'S JUNCTION BOX

*ONLY NEEDED IF CENTRAL HEATING WATER CONTENT IS HIGHER THAN 18GALS

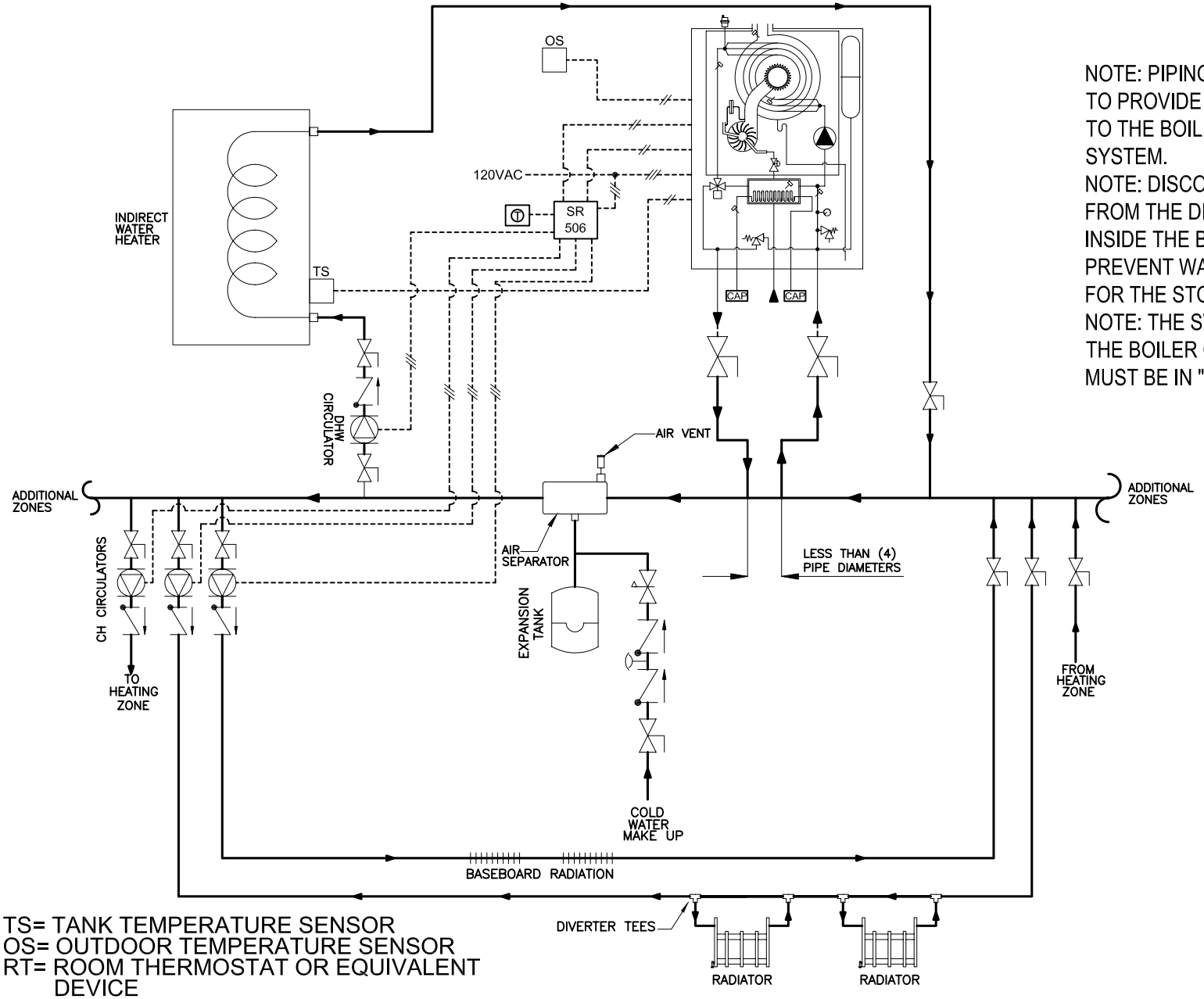
Instantaneous DHW with multiple zones (Zone Circulator)

Note: Piping heating system must be sized to provide correct flow for each zone.
Note: Provide a minimum 100Gals/Hour flow to the system.
Failure to follow these guidelines could result system problem.



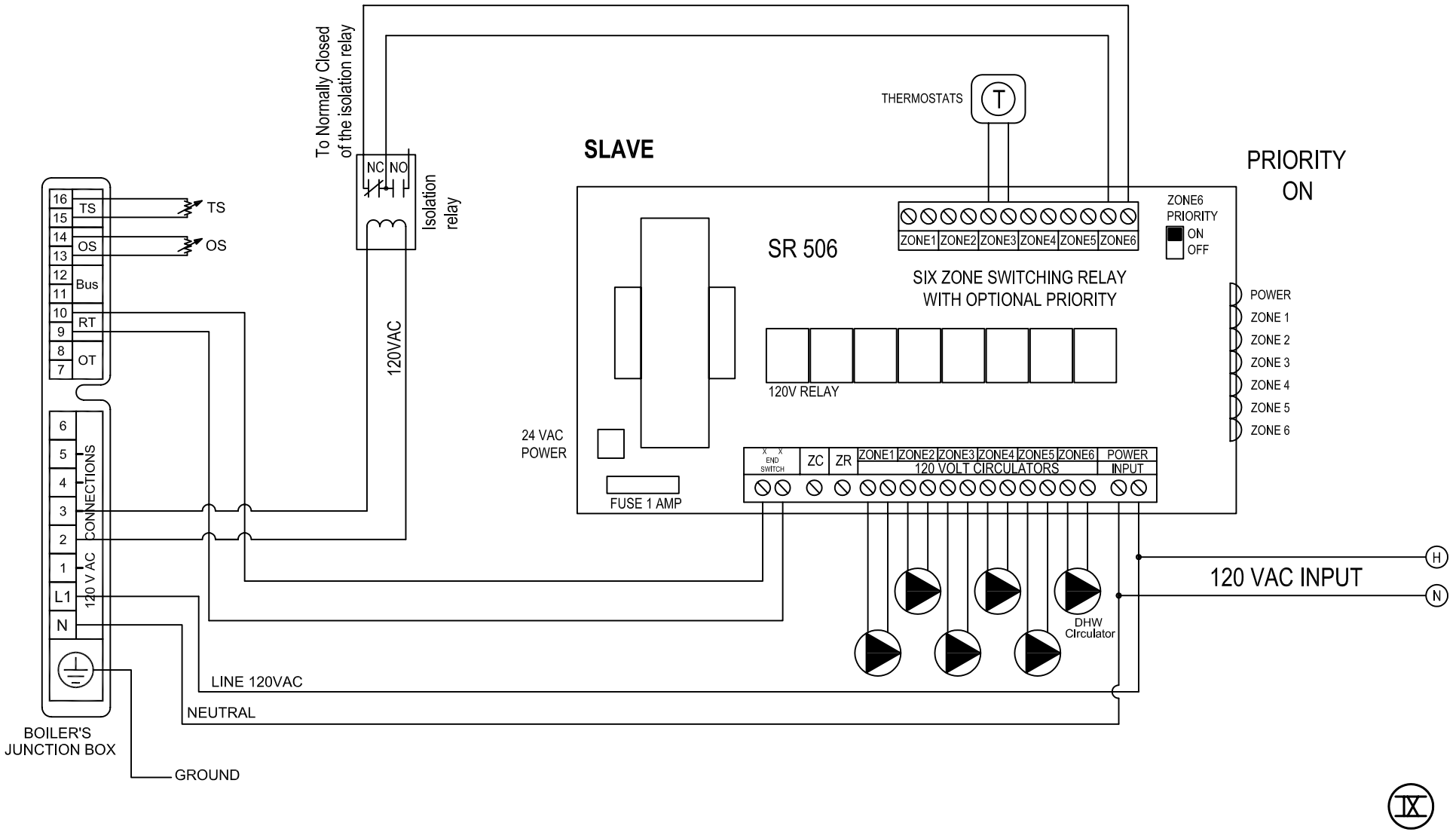

To Normally Closed of the isolation relay
NC NO
Isolation relay
THERMOSTATS
T
SLAVE
PRIORITY ON
16 15 14 13 12 11 10 9 8 7
TS
OS
Bus
RT
OT
OS
OUTDOOR TEMP. SENSOR
120VAC
TACO SR 506
ZONE1 ZONE2 ZONE3 ZONE4 ZONE5 ZONE6
ZONE6 PRIORITY
ON
OFF
SIX ZONE SWITCHING RELAY WITH OPTIONAL PRIORITY
120V RELAY
POWER
ZONE 1
ZONE 2
ZONE 3
ZONE 4
ZONE 5
ZONE 6
24 VAC POWER
FUSE 1 AMP
X X END SWITCH
ZC
ZR
ZONE1 ZONE2 ZONE3 ZONE4 ZONE5 ZONE6
120 VOLT CIRCULATORS
POWER INPUT
6 5 4 3 2 1 L1 N
120 V AC CONNECTIONS
120 VAC INPUT
H
N
LINE 120VAC
NEUTRAL
BOILER'S JUNCTION BOX
GROUND
VIII

DHW BY INDIRECT WATER HEATER AND CH HEATING BY PRIMARY/SECONDARY LOOP PUMPS ARE CONTROLLED BY TACO SR506 TACO SWITCHES.

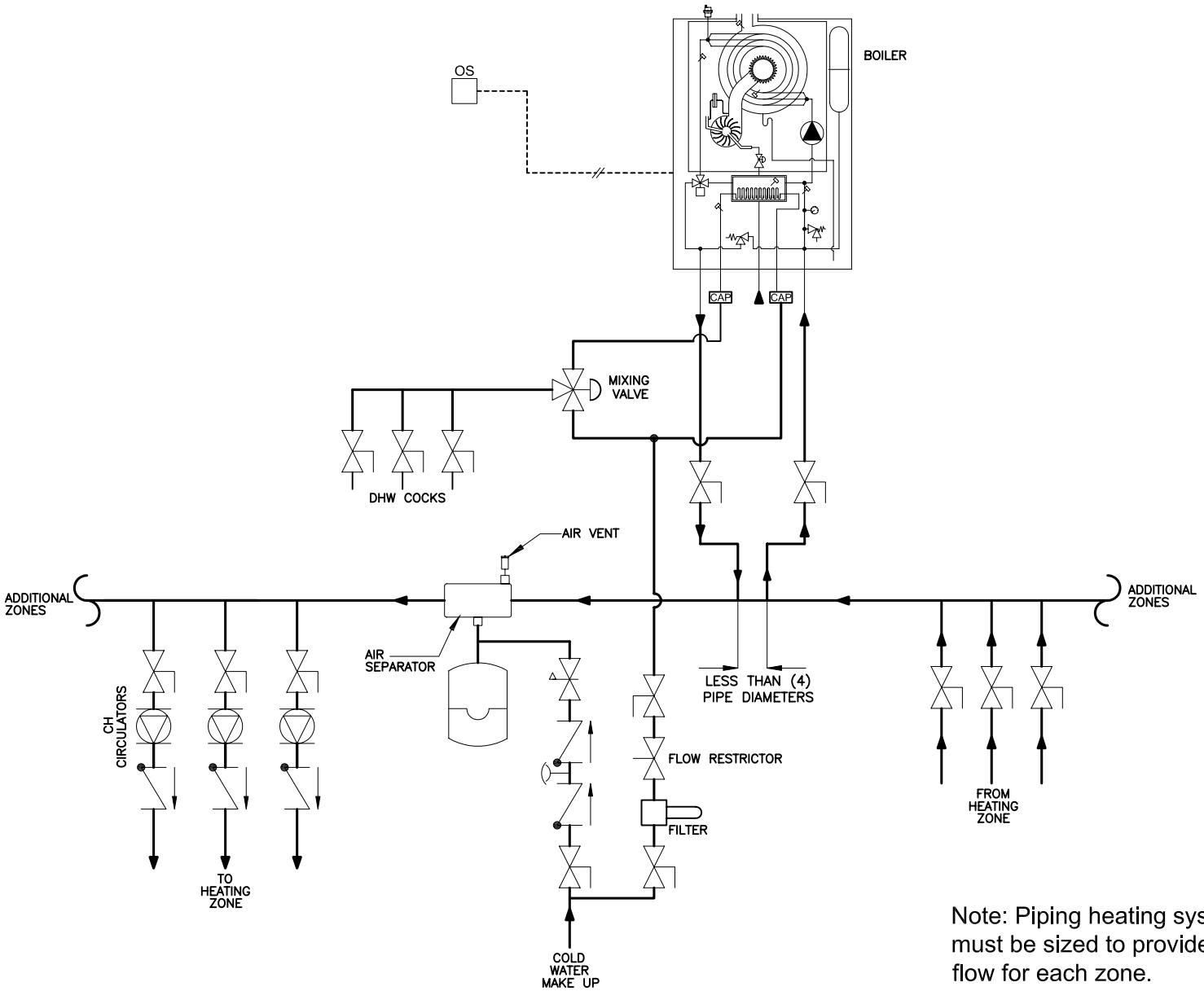


NOTE: PIPING MUST BIE SIZED TO PROVIDE CORRECT FLOW TO THE BOILER ANDO TO THE SYSTEM.
NOTE: DISCONNECT THE PLUG FROM THE DIVERTER VALVE INSIDE THE BOILER TO PREVENT WATER BLOCAGE FOR THE STORAGE.
NOTE: THE SWITCH N°1 INSIDE THE BOILER CONTROL BOARD MUST BE IN "ON" POSITION

TS= TANK TEMPERATURE SENSOR
OS= OUTDOOR TEMPERATURE SENSOR
RT= ROOM THERMOSTAT OR EQUIVALENT DEVICE

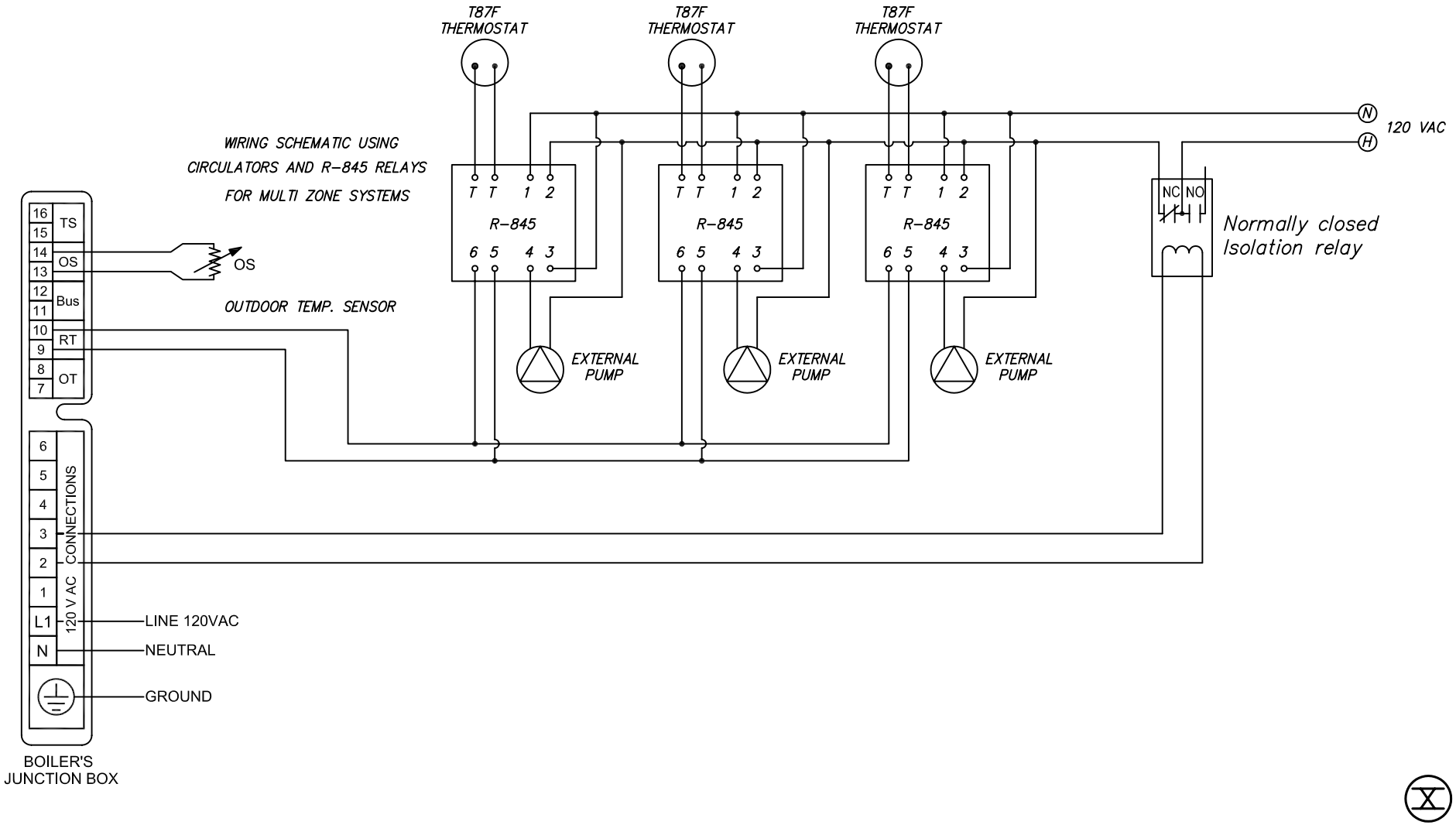

To Normally Closed of the isolation relay
NC NO
Isolation relay
120VAC
THERMOSTATS
T
SLAVE
PRIORITY ON
ZONE6 PRIORITY
ON
OFF
ZONE1 ZONE2 ZONE3 ZONE4 ZONE5 ZONE6
SR 506
SIX ZONE SWITCHING RELAY WITH OPTIONAL PRIORITY
120V RELAY
POWER
ZONE 1
ZONE 2
ZONE 3
ZONE 4
ZONE 5
ZONE 6
24 VAC POWER
FUSE 1 AMP
X X END SWITCH
ZC
ZR
ZONE1 ZONE2 ZONE3 ZONE4 ZONE5 ZONE6
120 VOLT CIRCULATORS
POWER INPUT
DHW CIrculator
120 VAC INPUT
H
N
16 TS
15
14 OS
13
12 Bus
11
10 RT
9
8 OT
7
6
5
4
3
2
1
L1
N
120 V AC CONNECTIONS
TS
OS
LINE 120VAC
NEUTRAL
GROUND
BOILER'S JUNCTION BOX

Instantaneous DHW with multiple zones (Zone circulators)



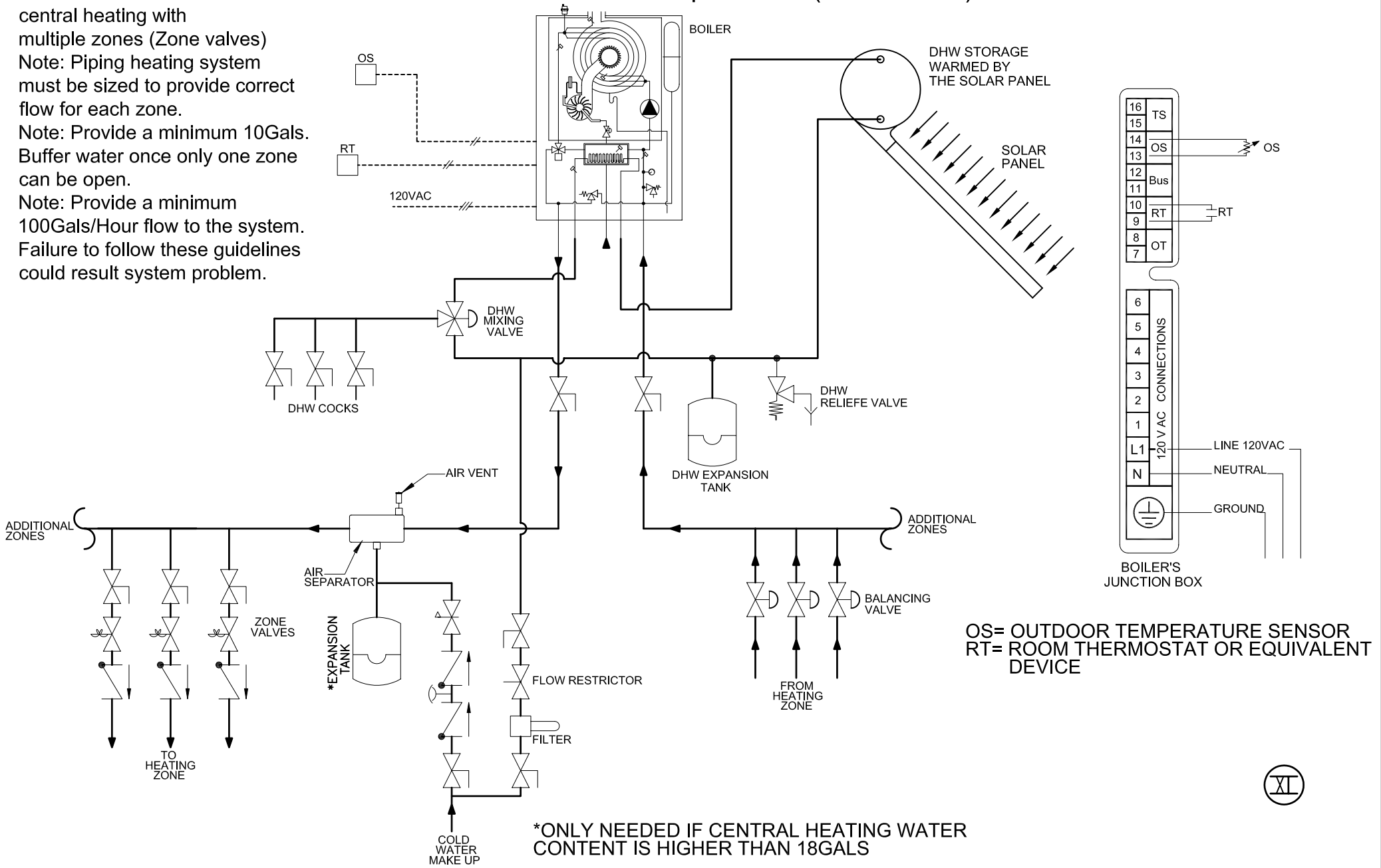
Note: Piping heating system must be sized to provide correct flow for each zone.

HONEYWELL CONTROLS



Instantaneous DHW with solar integration and entral heating with multiple zones (Zone valves)

Instantaneous DHW and central heating with multiple zones (Zone valves)
Note: Piping heating system must be sized to provide correct flow for each zone.
Note: Provide a minimum 10Gals. Buffer water once only one zone can be open.
Note: Provide a minimum 100Gals/Hour flow to the system.
Failure to follow these guidelines could result system problem.



OS= OUTDOOR TEMPERATURE SENSOR
RT= ROOM THERMOSTAT OR EQUIVALENT DEVICE

*ONLY NEEDED IF CENTRAL HEATING WATER CONTENT IS HIGHER THAN 18GALS