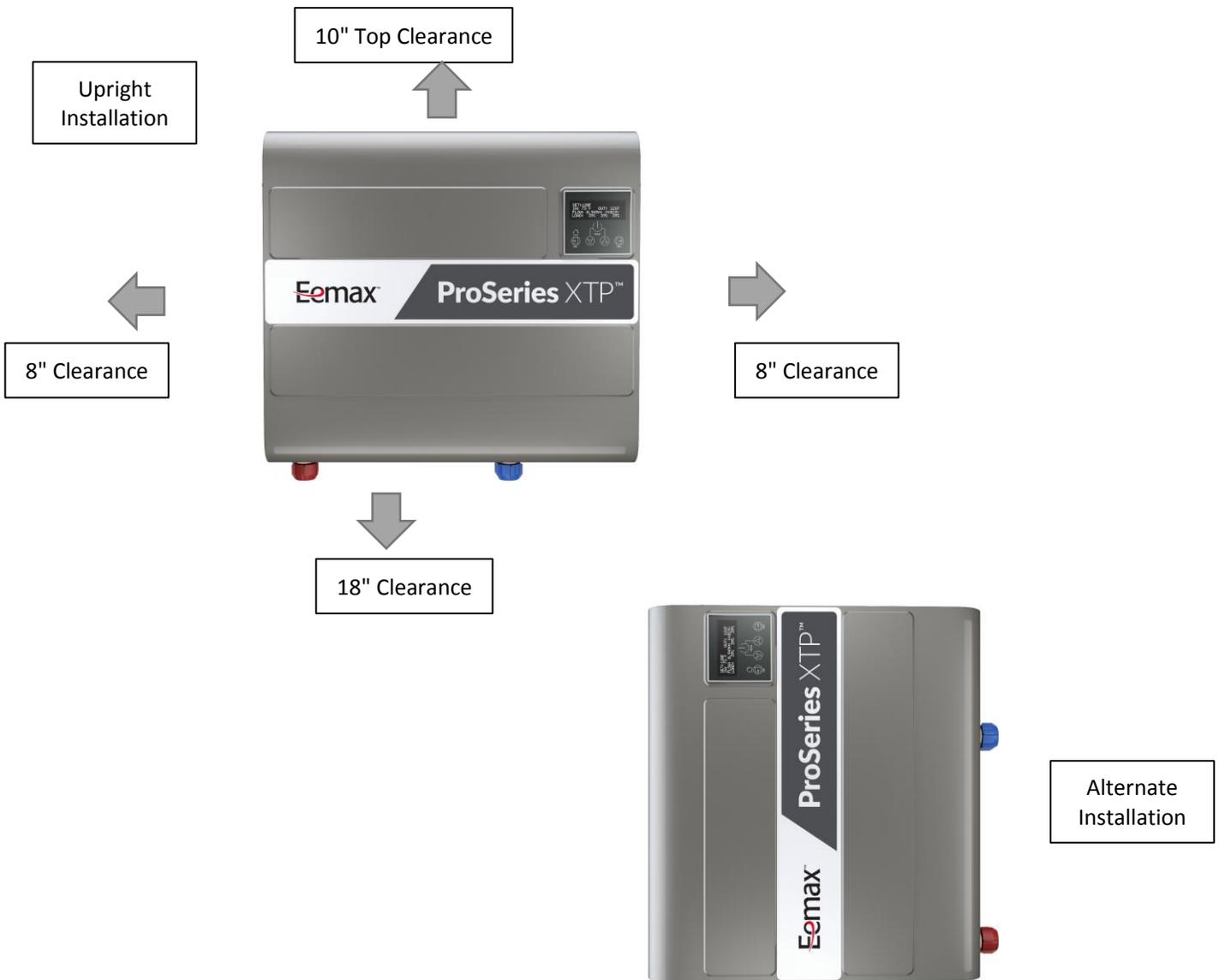




**INSTALLATION, OPERATION, AND
MAINTENANCE MANUAL FOR TANKLESS ELECTRIC WATER HEATERS**

PROSERIES XTP™



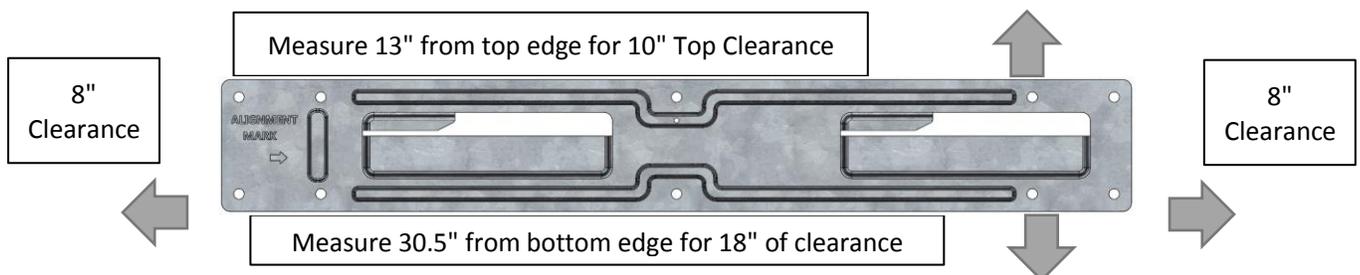


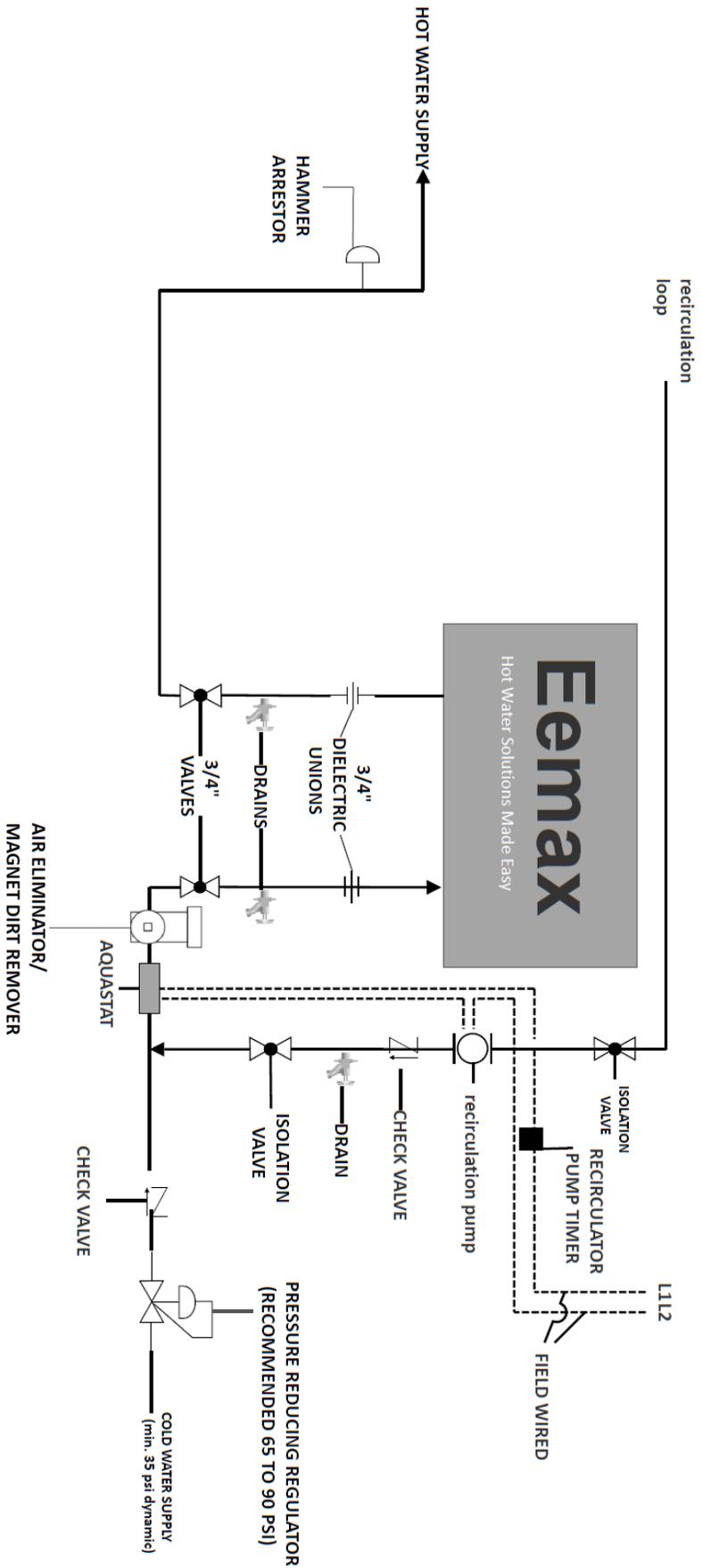
ProSeries XTP models are approved for zero clearance to combustible surfaces such as plywood.

Above clearances are recommended for service and installation.

1. Locate the best position to mount the unit. Check clearances around the unit according to the diagram below. Measure from the top, bottom, left & right sides of the bracket to ensure proper clearances.

Hang the slide lock wall mounting bracket utilizing the appropriate anchors for the wall in at least 4 hole locations.





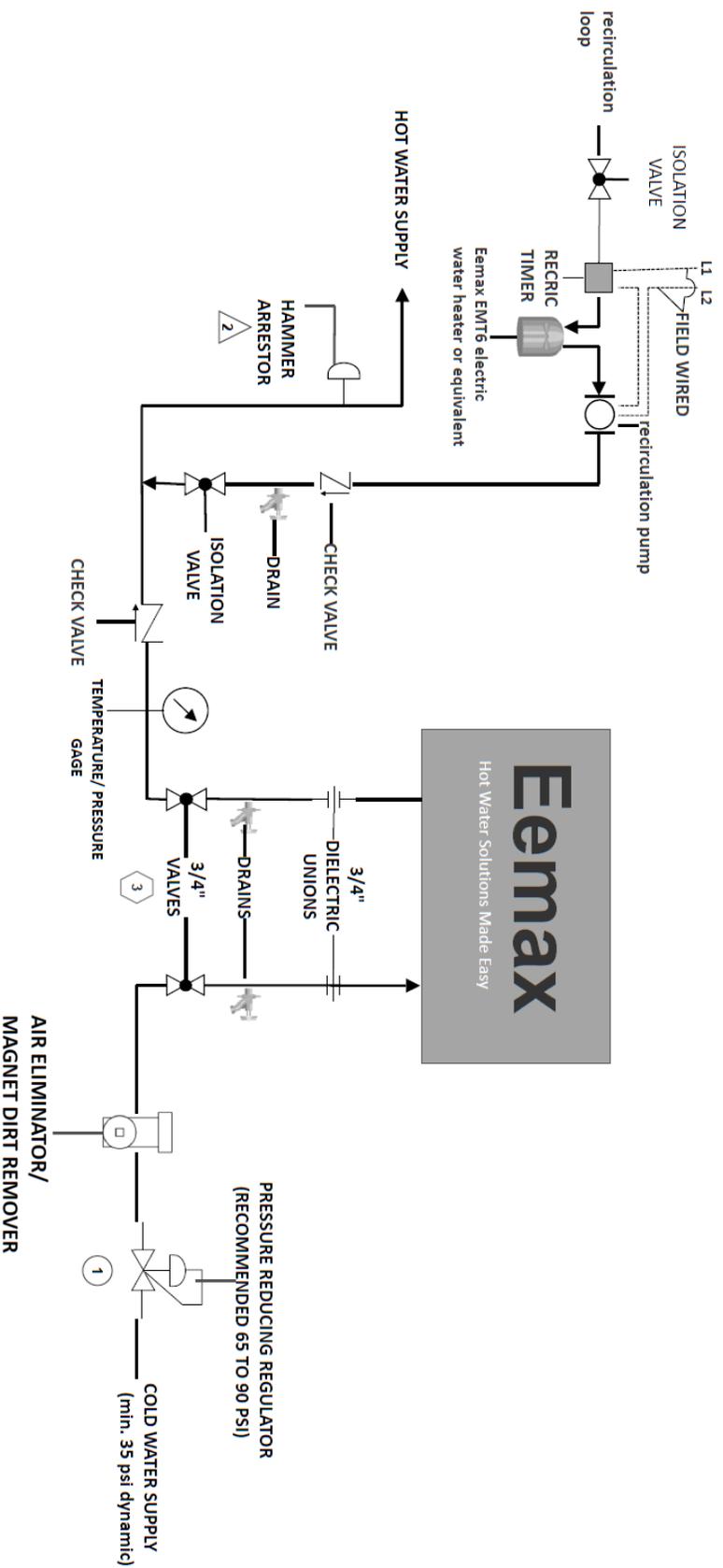
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RECIRCULATION LOOP THROUGH HEATER OPTION 1

DRAWING SCHEMATIC IS A RECOMMENDATION ONLY.

THIS IS NOT AN ENGINEERING DRAWING. IT IS INTENDED ONLY AS A GUIDE AND NOT AS A REPLACEMENT FOR PROFESSIONAL ENGINEERING PROJECT DRAWINGS. THIS DRAWING IS NOT INTENDED TO DESCRIBE A COMPLETE SYSTEM. IT IS UP TO THE CONTRACTOR OR ENGINEER TO DETERMINE THE NECESSARY COMPONENTS AND CONFIGURATION OF THE PARTICULAR SYSTEM TO BE INSTALLED. THE DRAWING DOES NOT IMPLY COMPLIANCE WITH LOCAL BUILDING CODE REQUIREMENTS. IT IS THE RESPONSIBILITY OF THE ENGINEER OR CONTRACTOR TO ENSURE THAT THE INSTALLATION IS IN ACCORDANCE WITH ALL LOCAL BUILDING CODES. CONFER WITH LOCAL BUILDING OFFICIALS BEFORE INSTALLATION.

400 CAPTAIN NEVILLE DR.
 WATERBURY, CT. 06075
 1-800-543-6163
 support@eemaxinc.com



NOTES:

- ① CHECK LOCAL CODES
 - ② WATER HAMMER ARRESTOR MUST BE INSTALLED CHECK MANUFACTURERS INSTALLATION INSTRUCTIONS FOR PROPER LOCATION AND SIZE
 - ③ SLOW ACTING VALVES ARE RECOMMENDED TO PREVENT POSSIBLE DAMAGE TO HEATERS DUE TO WATER HAMMER
- CHECK VALVE MUST BE INSTALLED ON THE OUTLET PORT IF HEATER IS TO BE LOCATED ABOVE FIXTURE TO PREVENT AIR ACCUMULATION
- RELIEF VALVE NOT REQUIRED ON HEATERS- REFER TO STATE AND LOCAL CODES

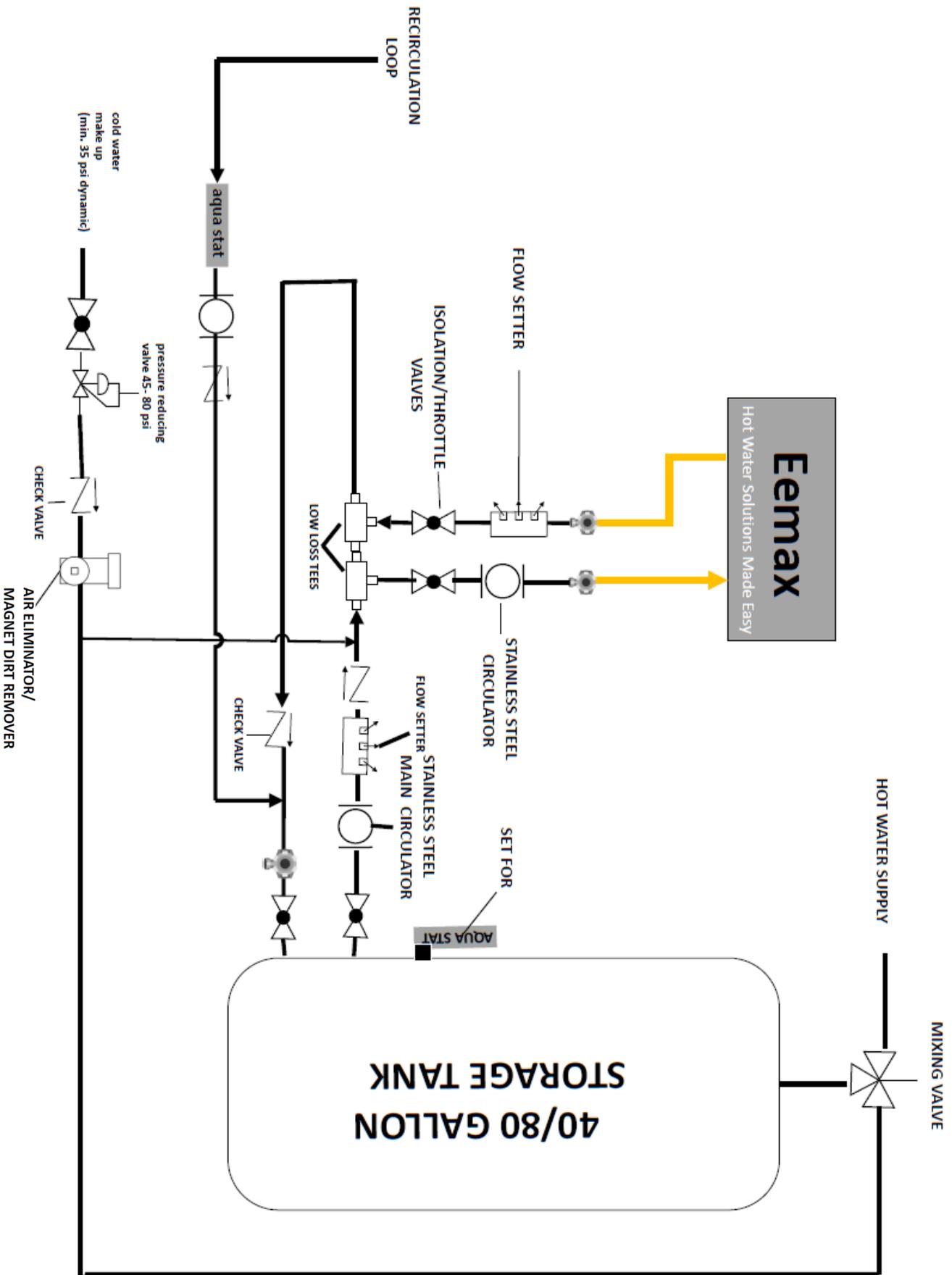
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SINGLE WATER HEATER WITH RECIRCULATION LOOP

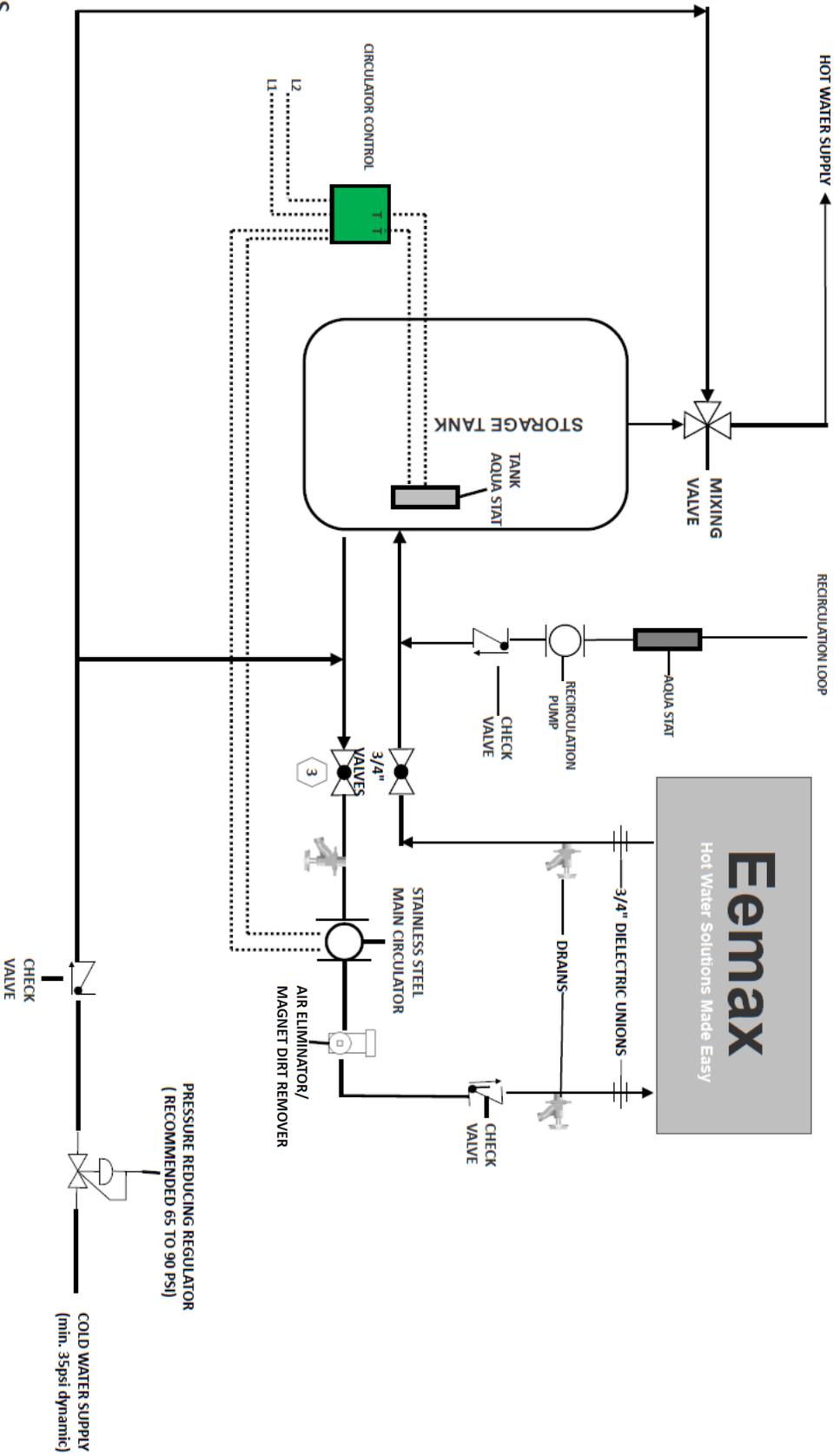
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SINGLE HEATER / STORAGE TANK / PRIMARY SECONDARY LOOP



SINGLE HEATER/ STORAGE TANK/ PARALLEL PIPING



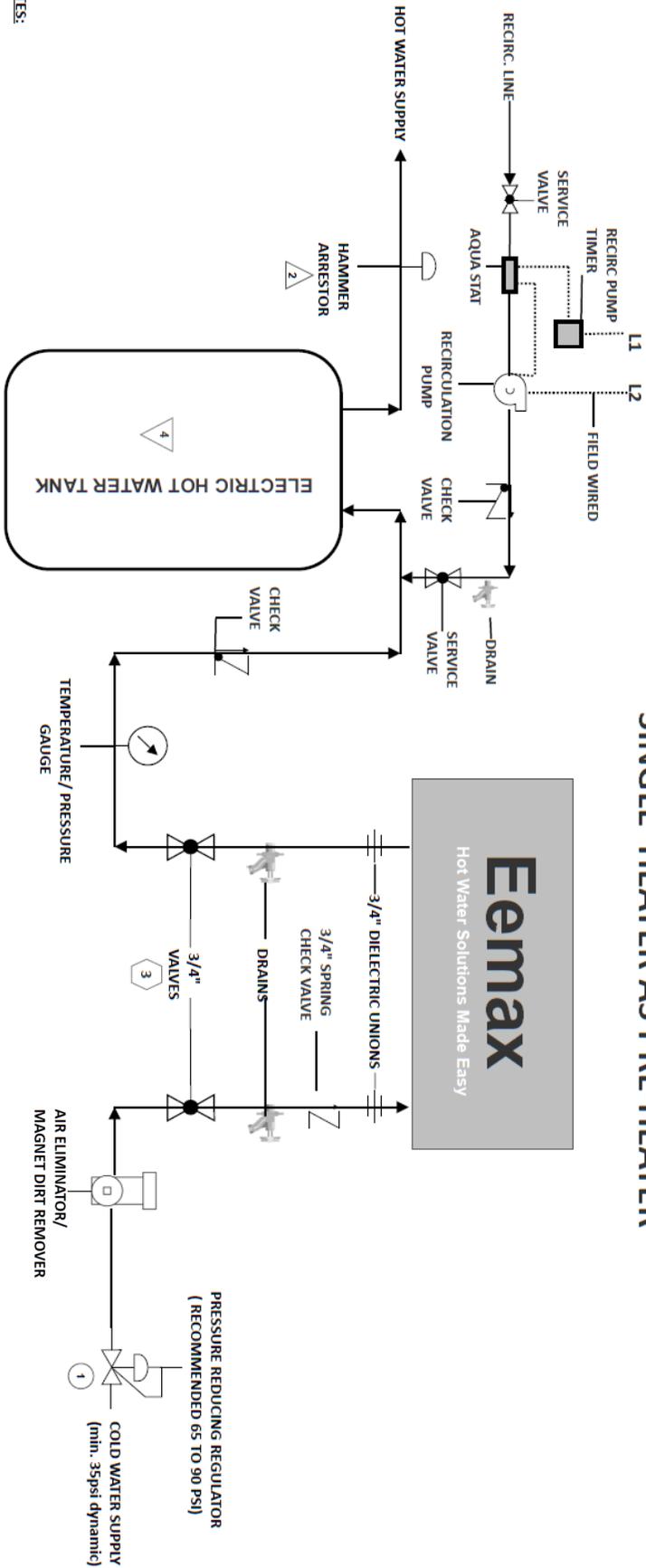
NOTES

MAIN CIRCULATOR TACO 008 STAINLESS STEEL OR EQUIVALENT.

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SINGLE HEATER AS PRE-HEATER



- NOTES:
- 1 CHECK LOCAL CODES
 - 2 WATER HAMMER ARRESTOR MUST BE INSTALLED CHECK MANUFACTURERS' INSTALLATION INSTRUCTIONS FOR PROPER LOCATION AND SIZE
 - 3 SLOW ACTING VALVES ARE RECOMMENDED TO PREVENT DAMAGE TO HEATERS
 - 4 AQUA STAT SET TO DESIRED LOOP TEMPERATURE
- CHECK VALVE MUST BE INSTALLED IN OUTLET PORT IF HEATER IS TO BE LOCATED ABOVE TANK OR FIXTURES
- RELIEF VALVE NOT REQUIRED ON HEATERS- REFER TO STATE AND LOCAL CODES

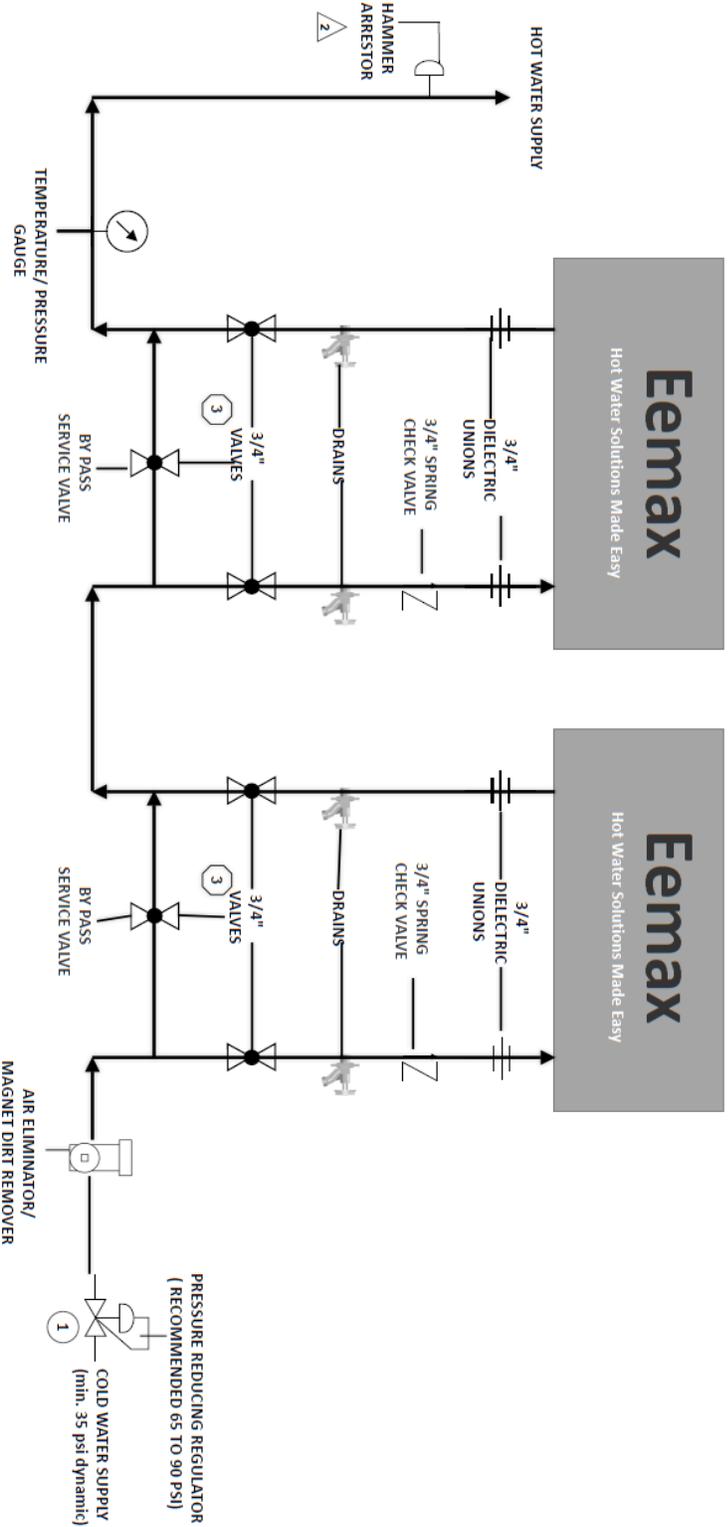


SINGLE HEATER WITH TANK

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SERIES APPLICATION



NOTES:

- ① CHECK LOCAL CODES
 - ② WATER HAMMER ARRESTOR MUST BE INSTALLED CHECK MANUFACTURERS' INSTALLATION INSTRUCTIONS FOR PROPER LOCATION AND SIZING
 - ③ SLOW ACTING VALVES RECOMMENDED TO PREVENT POSSIBLE DAMAGE DUE TO WATER HAMMER
- RELIEF VALVE NOT REQUIRED ON HEATERS- REFER TO STATE AND LOCAL CODES
- CHECK VALVE MUST BE INSTALLED ON OUTLET PORT IF HEATER IS TO BE LOCATED ABOVE FIXTURES

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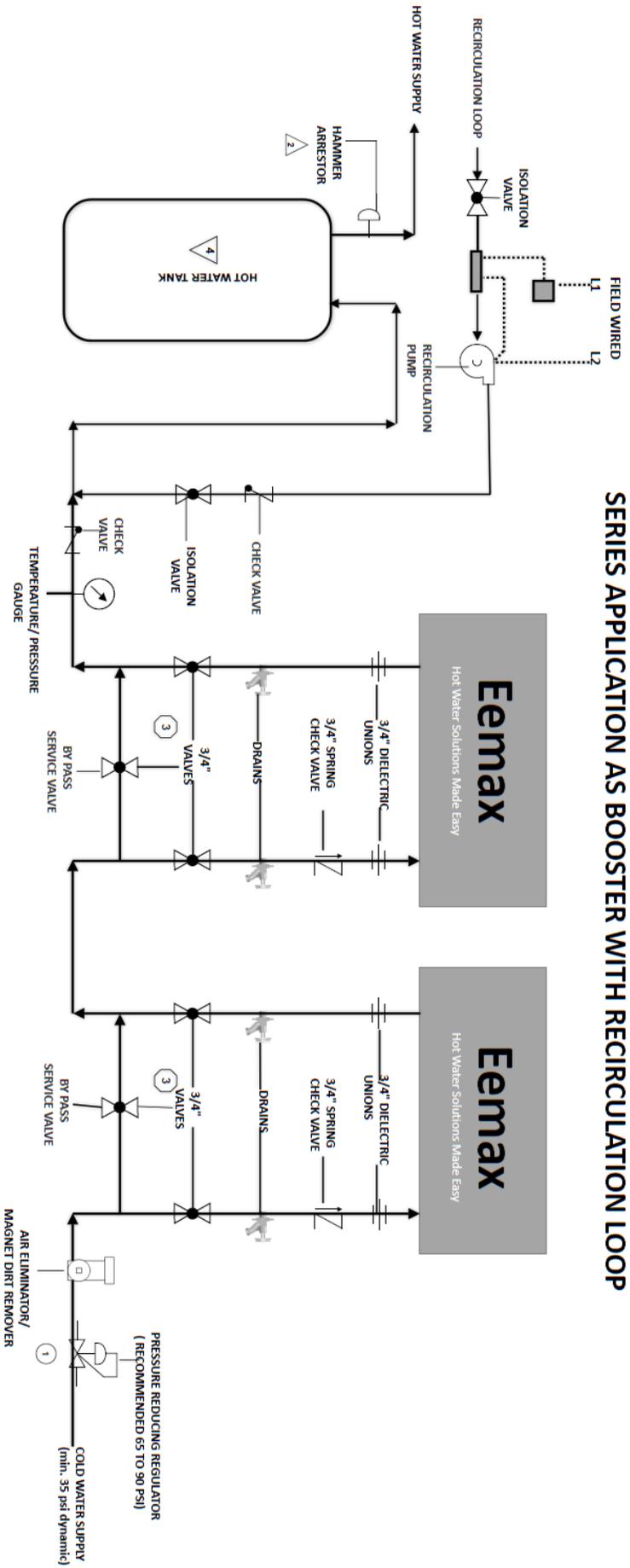
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SERIES APPLICATION AS BOOSTER WITH RECIRCULATION LOOP



NOTES:

- 1 CHECK LOCAL CODES
 - 2 WATER HAMMER ARRESTOR MUST BE INSTALLED CHECK MANUFACTURERS' INSTALLATION INSTRUCTIONS FOR PROPER LOCATION AND SIZING
 - 3 SLOW ACTING VALVES RECOMMENDED TO PREVENT POSSIBLE DAMAGE DUE TO WATER HAMMER
 - 4 AQUASAT[®] SET TO DESIRED SUPPLY TEMPERATURE RELIEF VALVE NOT REQUIRED ON HEATERS- REFER TO STATE AND LOCAL CODES
- TOTAL PRESSURE DROP IS EQUAL TO THE TOTAL OF ALL PRESSURE DROPS ACROSS ALL WATER HEATERS COMBINED CHECK VALVE MUST BE INSTALLED ON OUTLET PORT IF HEATER IS TO BE LOCATED ABOVE THE TANKS OR OUTLETS

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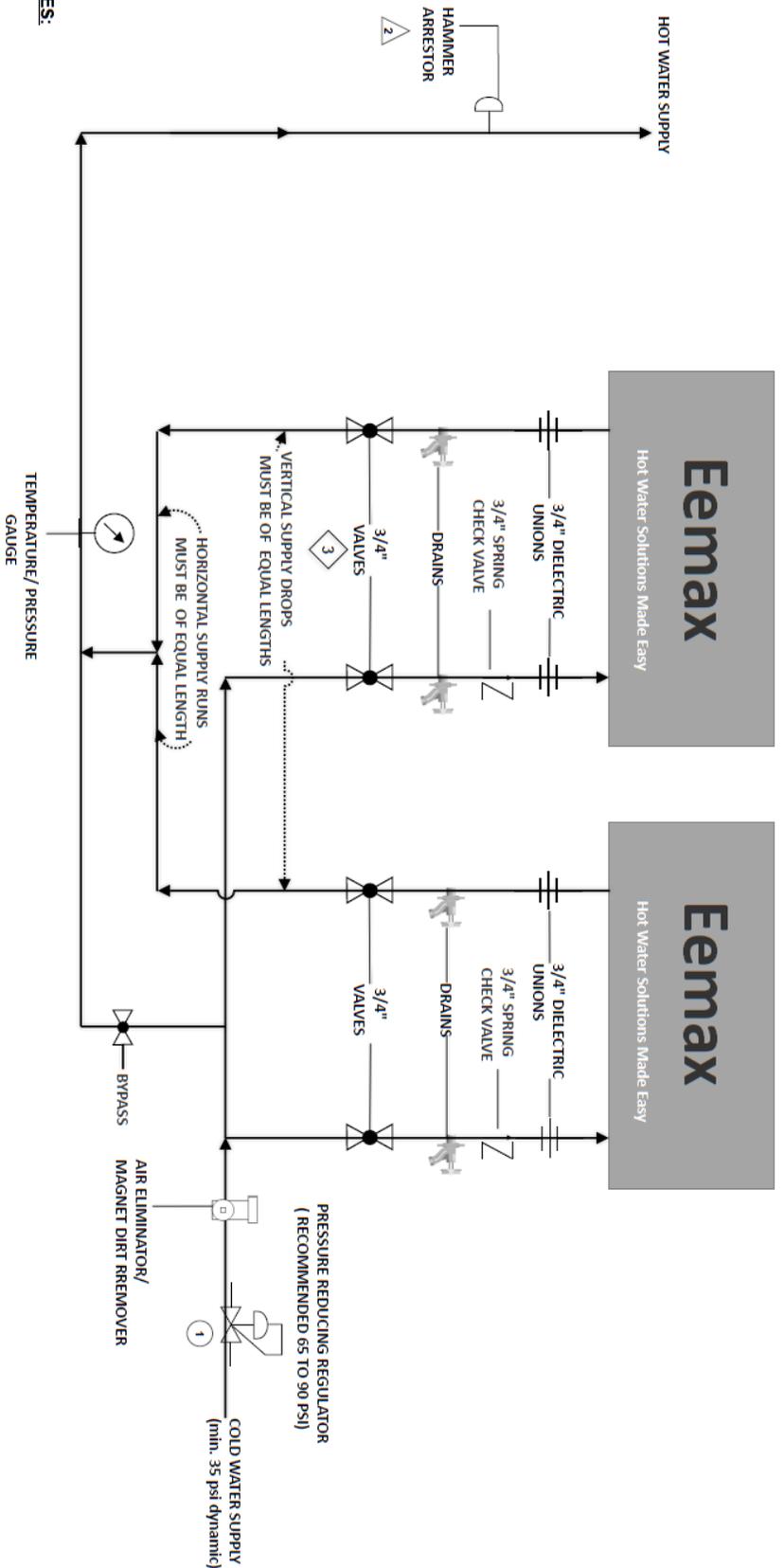
SERIES WITH TANK AND RECIRCULATION LOOP

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PARALLEL APPLICATION



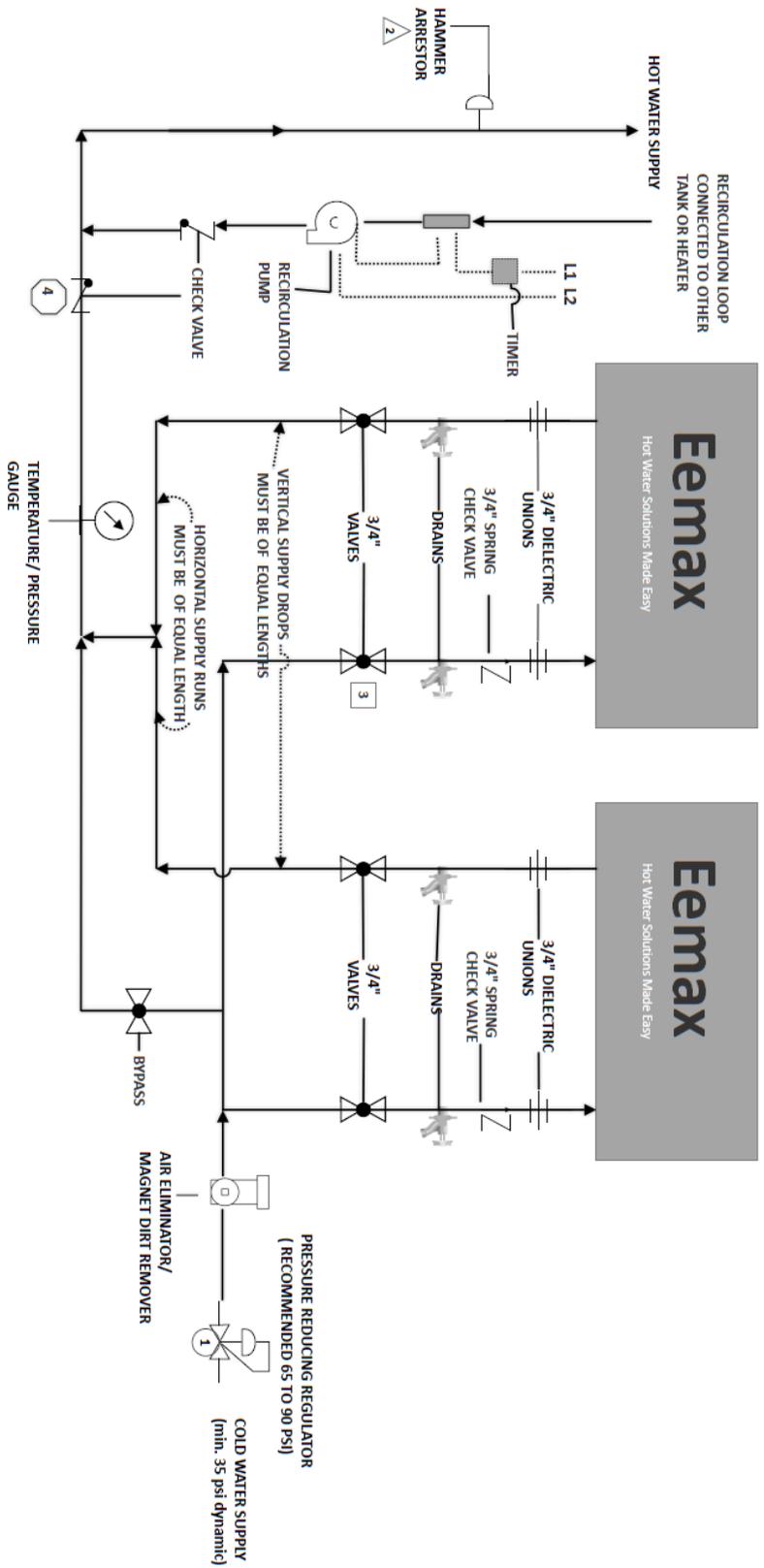
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PARALLEL APPLICATION

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PARALLEL APPLICATION WITH RECIRCULATION LOOP



- NOTES:**
- 1 CHECK LOCAL CODES
 - 2 WATER HAMMER ARRESTOR MUST BE INSTALLED
CHECK MANUFACTURERS' INSTALLATION
INSTRUCTIONS FOR PROPER LOCATION AND SIZING
 - 3 SLOW ACTING VALVES RECOMMENDED
TO PREVENT POSSIBLE DAMAGE
DUE TO WATER HAMMER
 - 4 CHECK VALVE ONLY USED IF
RECIRCULATION LOOP IS
INSTALLED
- RELIEF VALVE NOT REQUIRED ON HEATERS-
REFER TO STATE AND LOCAL CODES
- CHECK VALVE MUST BE INSTALLED
IN OUTLET PORT IF HEATER IS TO
BE LOCATED ABOVE FIXTURES

***USE OF RECIRCULATION PUMP
THROUGH UNIT IS NOT RECOMMENDED

*** TURN ON RATE IS 6 GPM
*** MUST OBTAIN 12 GPM TO
REACH 180 DEGREES

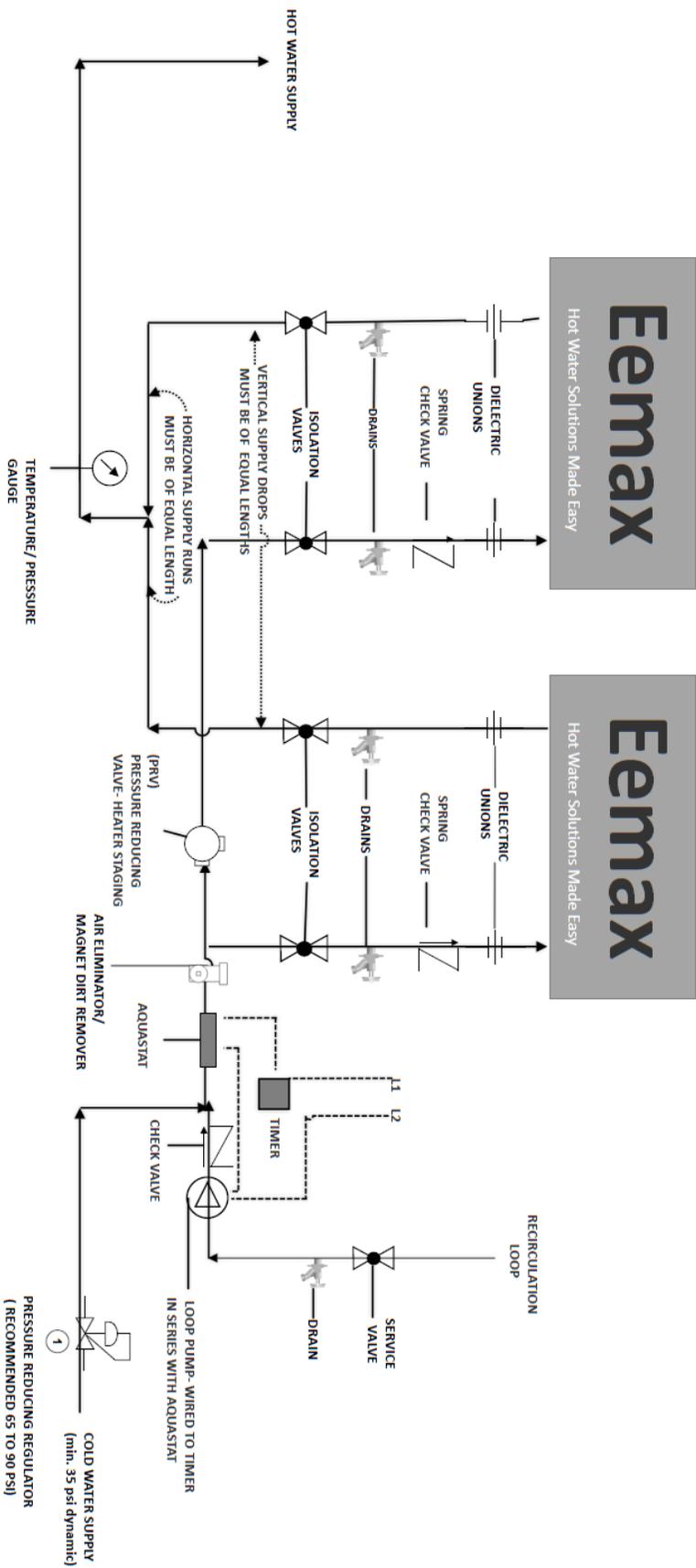
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PARALLEL WITH RECIRCULATION LOOP

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PARALLEL WITH RECIRCULATION LOOP



NOTES:

- 1 CHECK LOCAL CODES

CHECK VALVE MUST BE INSTALLED IN OUTLET PORT IF HEATER IS TO BE LOCATED ABOVE FIXTURES

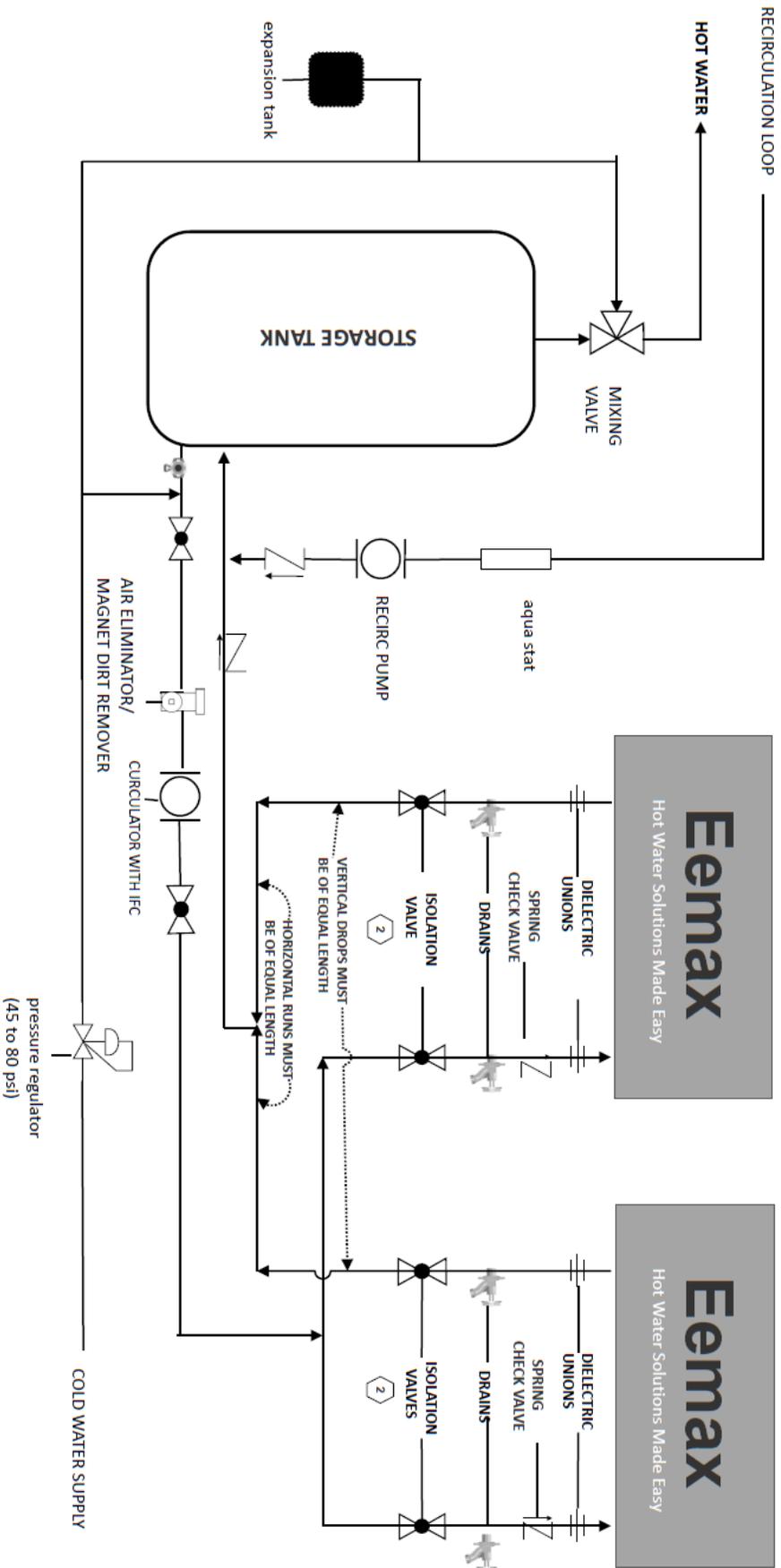


PARALLEL APPLICATION IN LOOP CONFIGURATION

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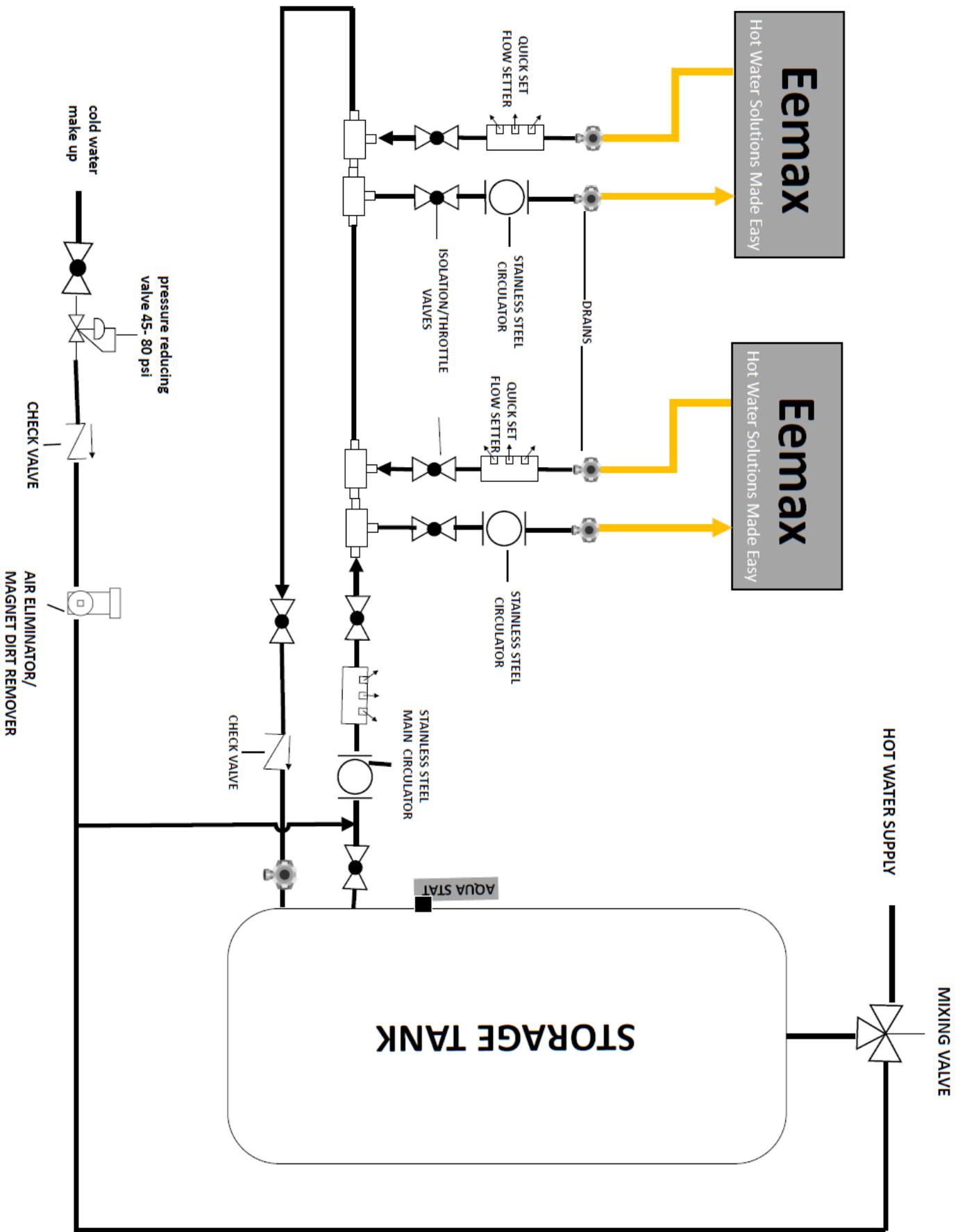
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PARALLEL APPLICATION WITH STORAGE TANK

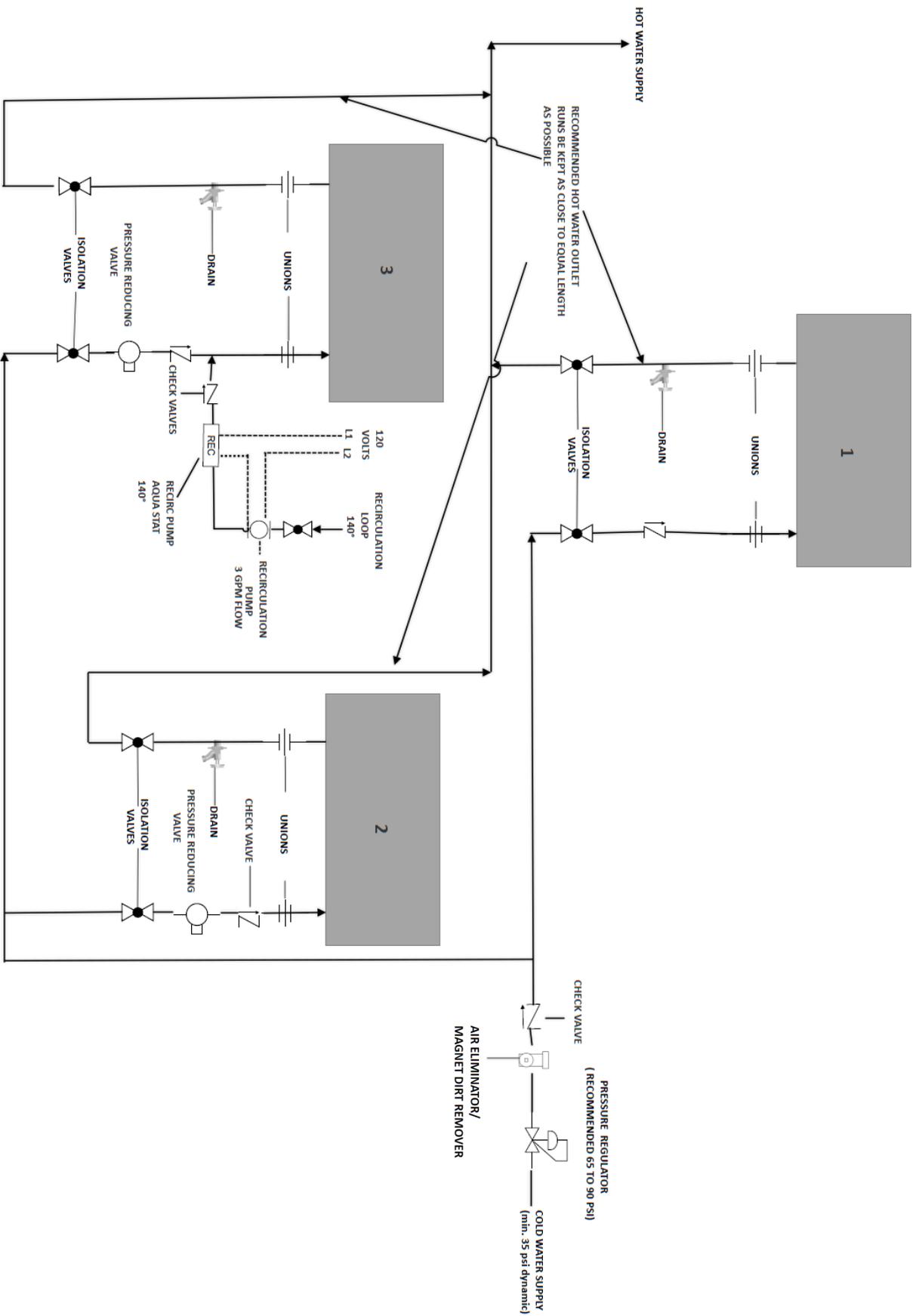


*****MUST PURGE WATER HEATER FOR A MINIMUM OF 3 MINUTES
 OPEN AND CLOSE DRAIN VALVE WHILE PURGING TO REMOVE ANY AIR POCKETS. *****

PARALLEL PIPING/ STORAGE TANK/ PRIMARY SECONDARY LOOPS



MULTIPLE HEATERS IN PARALLEL WITH PRV VALVES





USA AND CANADA:

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