

**Note:**

Condensate piping shall be CPVC or PVC material and shall not be smaller than the drain connection on the appliance.

Components of the condensate drainage shall be CPVC or PVC material. All components shall be selected for the pressure and temperature rating of the installation.

Where the drain pipes from more than one unit are manifolded together for condensate drainage, the pipe or tubing shall be sized in accordance with an approved method as dictated by local codes.

Condensate must be disposed of according to local codes.

Circulation Pump should be controlled by an Aquastat or Combination Aquastat and Timer. Aquastat should be set to a 10-20F differential of water heater set temperature.

Circulation Pump should be sized to maintain circulation loop temperature.

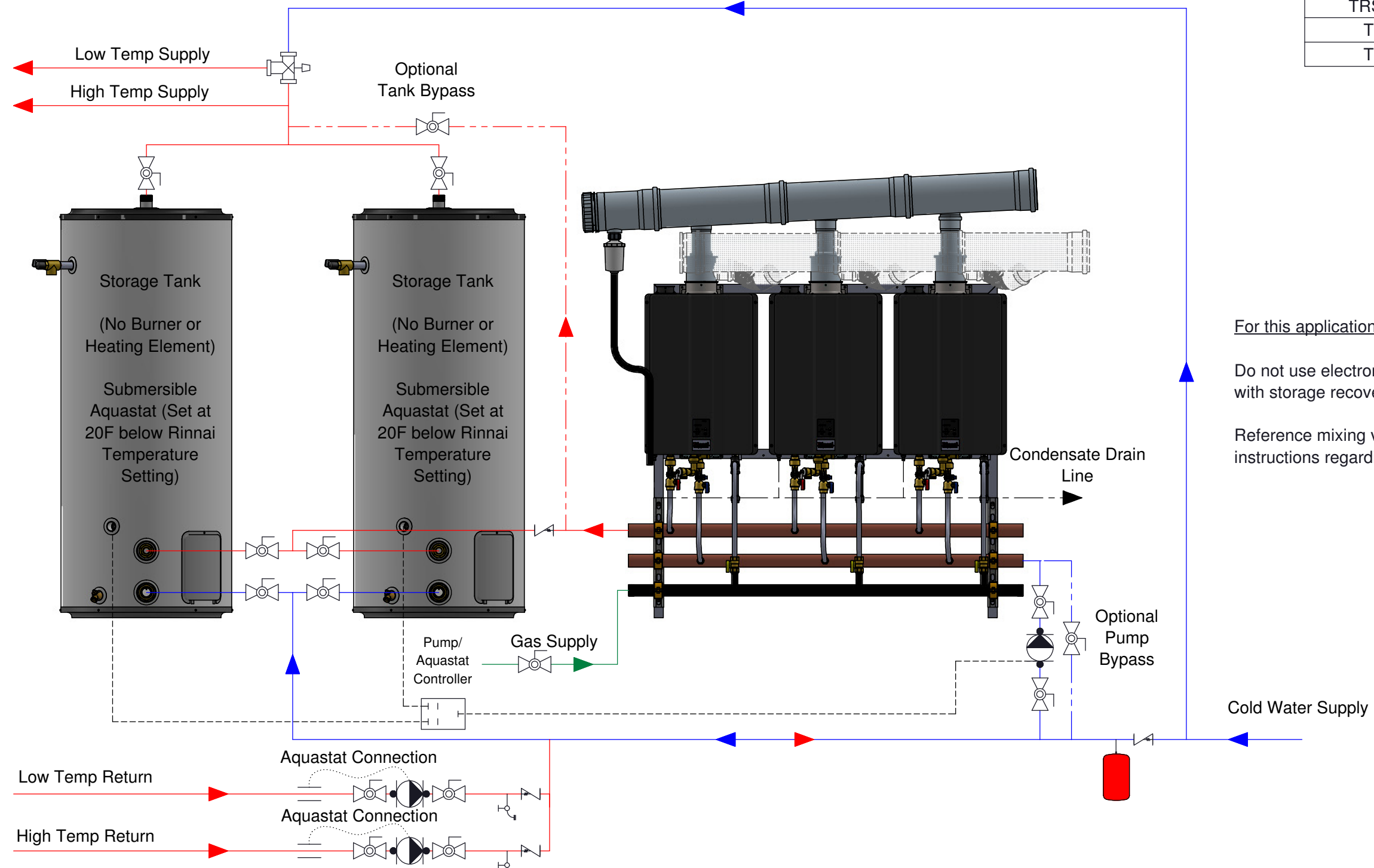
Circulation Pump should be sized to overcome the pressure loss through the tankless water heater, supply, and return plumbing. Reference the Rinnai Hot Water System Design Manual for circulation pump sizing guidelines.

Recovery and Circulation Pumps should be of bronze or stainless construction.

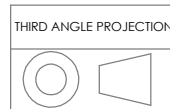
Reference the Rinnai Hot Water System Design Manual for recovery pump sizing guidelines.

Reference the Common Vent Installation Manual for common vent options. Air intake manifold shown for direct vent installations only.

Applicable Rack Configurations
TRW03CU
TRS03CUIL
TRS03CUILW
TRS05CU
TRS06CU



For this application:  
Do not use electronic cascade controls with storage recovery system.  
Reference mixing valve manufacturer instructions regarding recirculation.



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.

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UNLESS OTHERWISE SPECIFIED:

TOLERANCES:  
Sheet Metal X.XX = ±0.030  
X.XXX = ±0.010  
Fraction = ±1/32  
Angle = ±1.0°  
MACHINED X.XXX = ±0.005  
Angle = ±0.010°

INTERPRET GEOMETRIC TOLERANCING PER:

MATERIAL

FINISH

DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	AB	11.16.2018
CHECKED	SH	12.15.2018
ENG APPR.	RS	12.15.2018

COMMENTS:



TITLE:  
**Systems Design Manual**  
Tankless Rack System  
3-6 Unit Back2Back InLine w 2 Storage Tanks

SIZE	DWG. NO.	REV
<b>B</b>	TRSCU-IL3BB6-BC2	

SCALE: NTS WEIGHT: SHEET 1 OF 1