

**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.

Reference the Common Vent Installation Manual for common vent options.

Reference Water Heater IO Manual for cascading instructions.

Ensure tankless heaters are installed in parallel to maximize system output.

Contact Application Engineering Center of Excellence if alternate piping arrangements will be considered.

Balancing of hot water risers may be necessary after installation to ensure consistent hot water delivery.

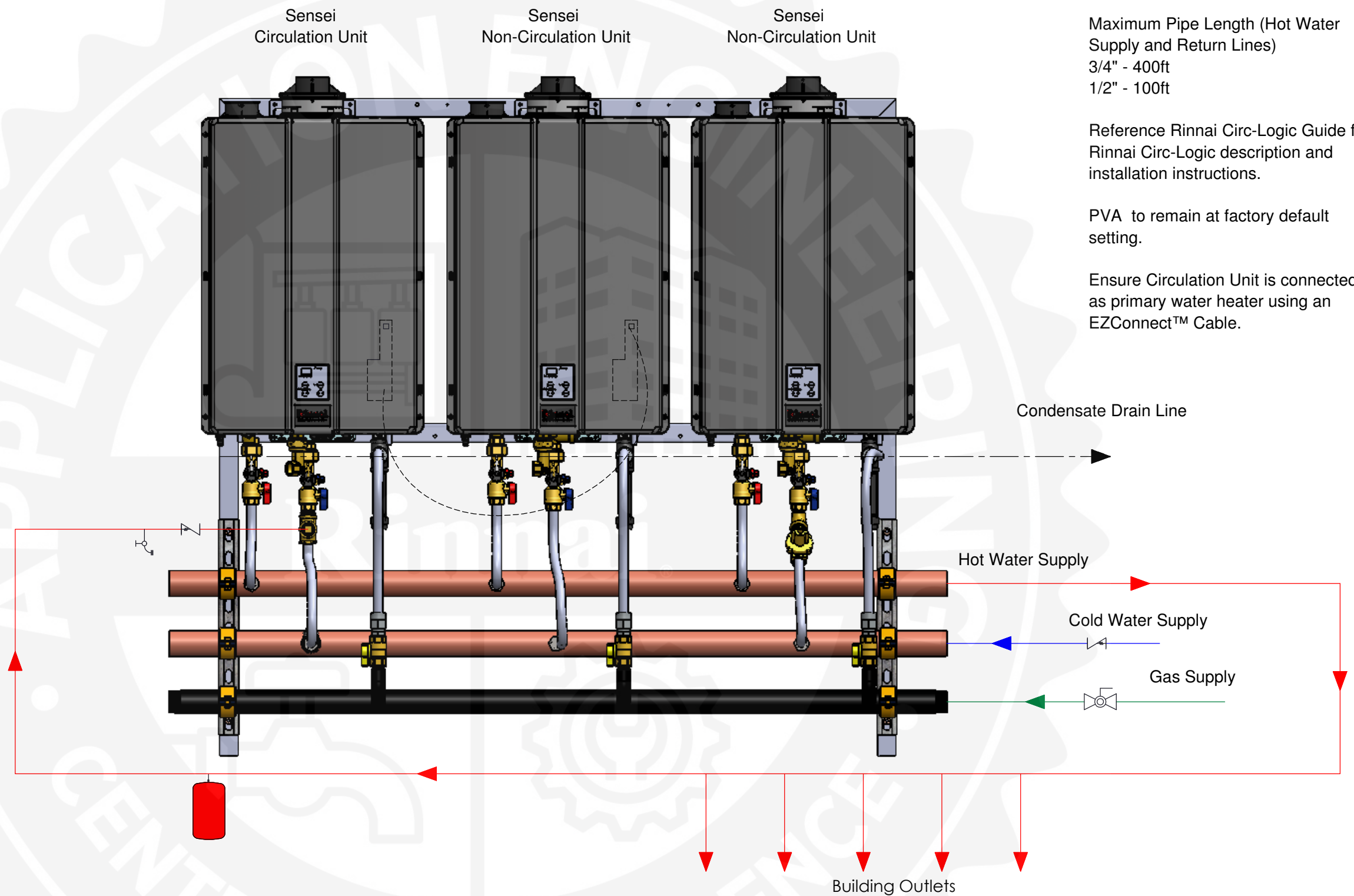
**For this application:**

Maximum Pipe Length (Hot Water Supply and Return Lines)  
 3/4" - 400ft  
 1/2" - 100ft

Reference Rinnai Circ-Logic Guide for Rinnai Circ-Logic description and installation instructions.

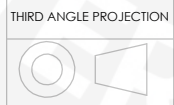
PVA to remain at factory default setting.

Ensure Circulation Unit is connected as primary water heater using an EZConnect™ Cable.



D  
C  
B  
A

D  
C  
B  
A



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	11.13.2018
CHECKED	SH	12.15.2018
ENG APPR.	RS	12.15.2018

COMMENTS:

<b>Rinnai</b>		
TITLE: Systems Design Manual Tankless Rack System Three Unit Circulation RUR		
SIZE	DWG. NO.	REV
B	TRWST-3-RUR	
SCALE: NTS	WEIGHT:	SHEET 1 OF 1