

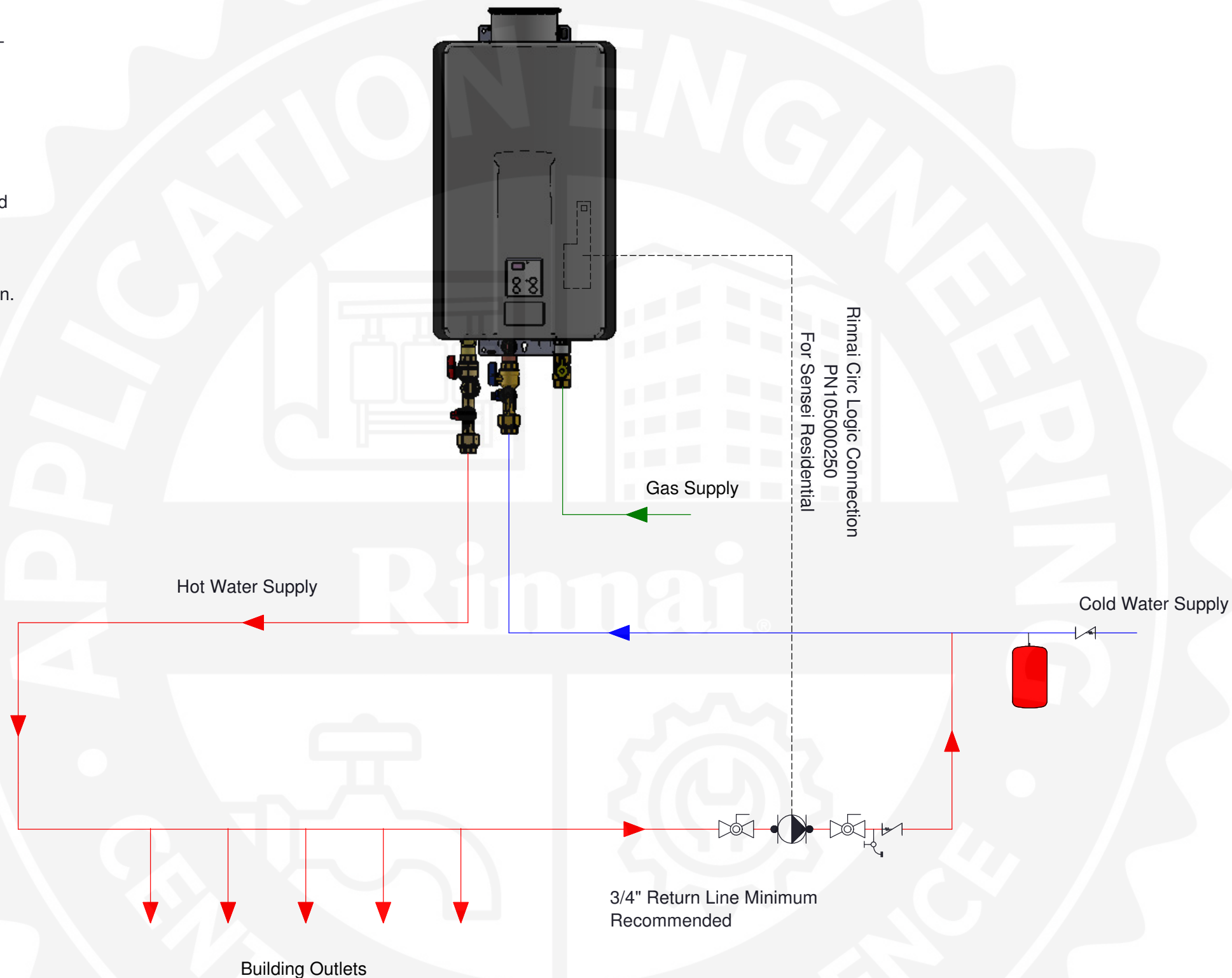
**Note:**

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

Pump should be sized to maintain circulation loop temperature.

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 pump sizing guidelines.

Pump should be of bronze or stainless construction.



**Building Outlets**



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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.

**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:**

<b>Rinnai</b>		
TITLE: Systems Design Manual Rinnai Tankless Single Unit Circ Logic		
SIZE	DWG. NO.	REV
<b>B</b>	<b>WH-1-CL</b>	
SCALE: NTS	WEIGHT:	SHEET 1 OF 1