

TB134-1

July 19<sup>th</sup>, 2016

## Vent Riser for Power Vent Water Heater

When venting cannot exit through the wall at height greater than or equal to twelve (12) inches (30.5 cm) above ground level, or anticipated snow level, the installation must be modified to include a vent riser as shown in the figure below. The maximum equivalent length of vent pipe (including the vent riser) must be in accordance with the specifications established in the Owner's Manual of the water heater.

When a vent riser is necessary, it may produce excessive condensation in the vent system, so consideration must be taken to slope the vent piping (down) toward the water heater to prevent condensate water from collecting in any part of the vent system. If installation conditions cause condensation, an adequate means for draining and disposing of the condensate water needs to be made by the installer. Install a condensate trap loop approximately height (8) inches (200mm) in diameter using  $\frac{1}{2}$ " plastic hose. Remove the cap and connect the hose to the built-in "drain outlet" port of the rubber coupling installed on the blower assembly and loop the hose in a vertical position (refer to owner's manual). The tube loop must be filled with water at least half way prior to operating the water heater. Ensure the end of the tube terminate to a suitable free-flowing drain as condensate water will flow from the end. Secure the tubing to the side of the water heater.

