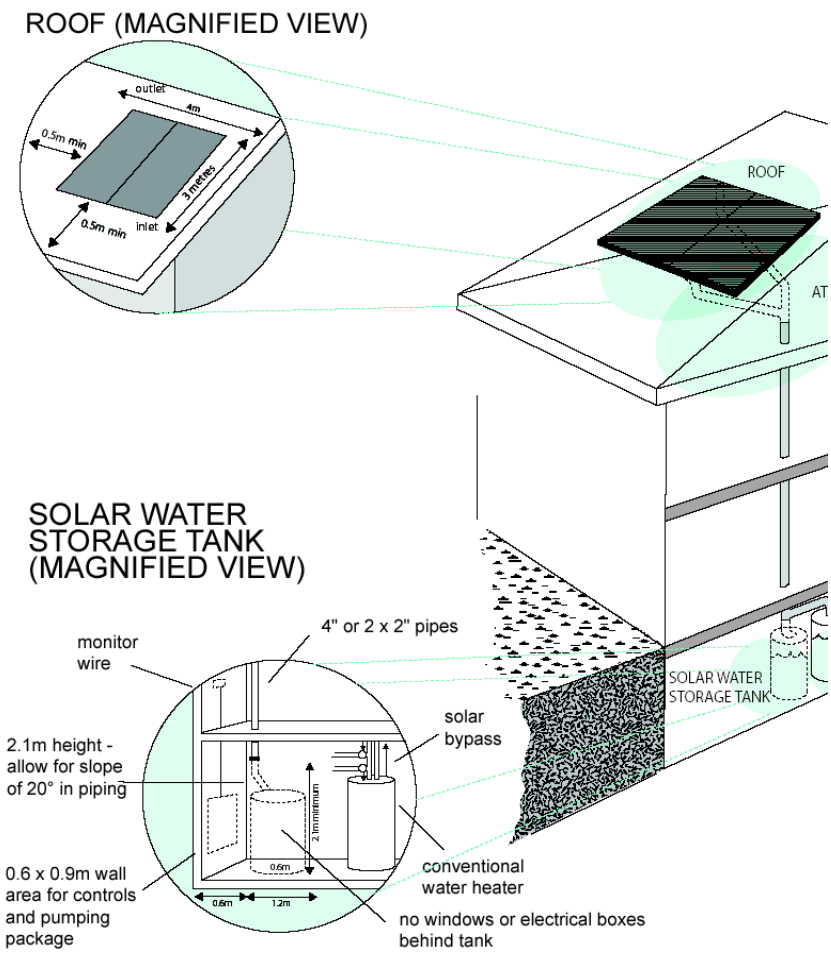
Solar Hot Water Installation Best Practices

Space on the Roof

A 9.3m² clear area that has no dimension less than 2.7M allows for the installation of most solar water collectors. This space must be clear of chimneys, roof vents, gables and other protrusions.



Solar collectors are usually installed with the short edge parallel to the roof's eaves. There should be a minimum of 0.6m of space left between all sides of the collectors and the roof edge to allow for maintenance and safe access from ladders to the roof for roof contractors and the fire department. The space on the roof should be as close to the peak as possible to allow for a simpler installation. Pipe connections to the solar collectors are normally done at

Structural Requirements

Structural members that support the area designated for solar collectors must be designed to accommodate the anticipated load, or 0.2 kpa in

Conduits

Install a two 50mm vertical PVC pipes to run the actual solar pipes from the utility room to the attic. The chase pipes should be capped on both ends, sealed to prevent heat loss, and permanently

Utility Room

You can leave space beside the conventional water heater for the solar storage tank. There should be an area of 1.2m X 0.6m X 2.0m high. The clear wall area beside the tank