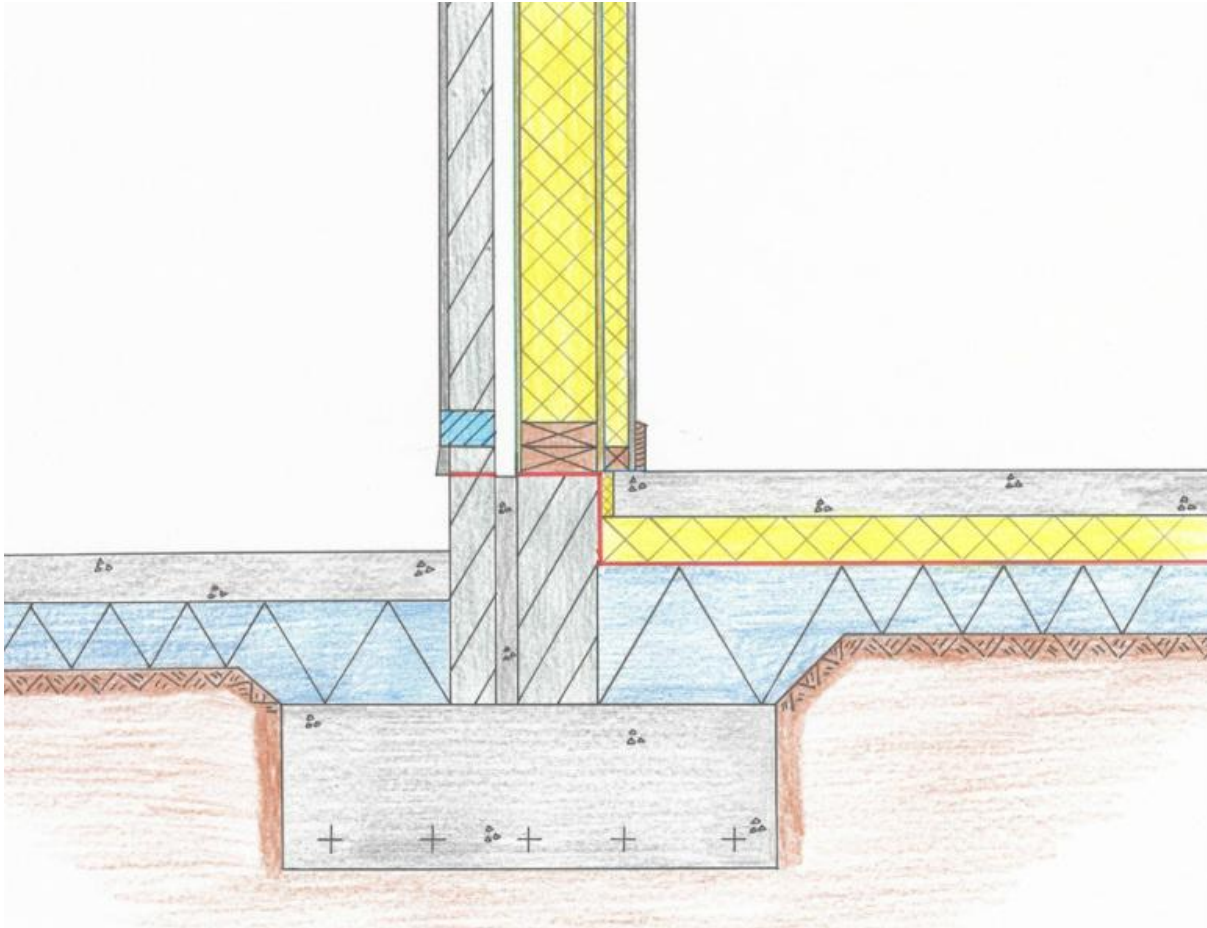


Timber Frame Wall Construction



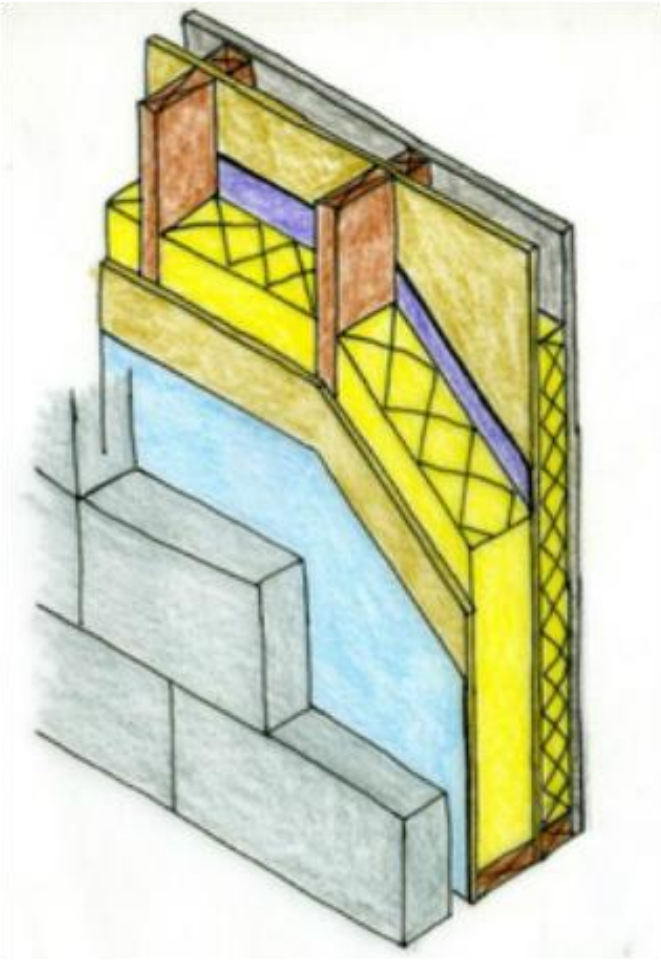
Timber Frame Construction is quite similar to concrete cavity wall construction as the outer leaf remains as masonry, a 50mm cavity is installed, with the only difference being a timber frame internal leaf.

The timber frame wall consists of timber stud framework, with insulation between each stud, which is sheathed with either Plywood or Oriented Strand Board (OSB).

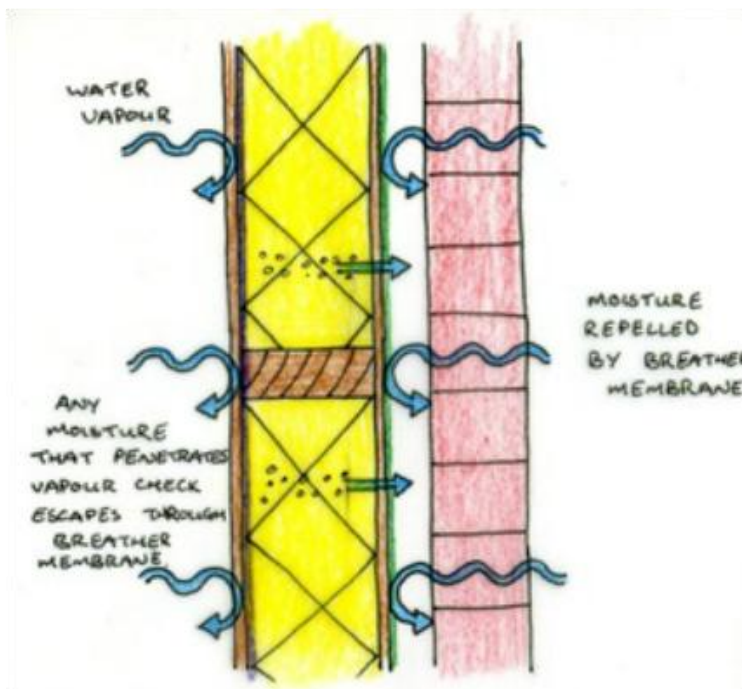
A breather membrane and vapour check/airtightness membrane can then be fixed to the plywood or OSB.

A Service Cavity is often added on the interior to provide room for the services of the house to be installed.

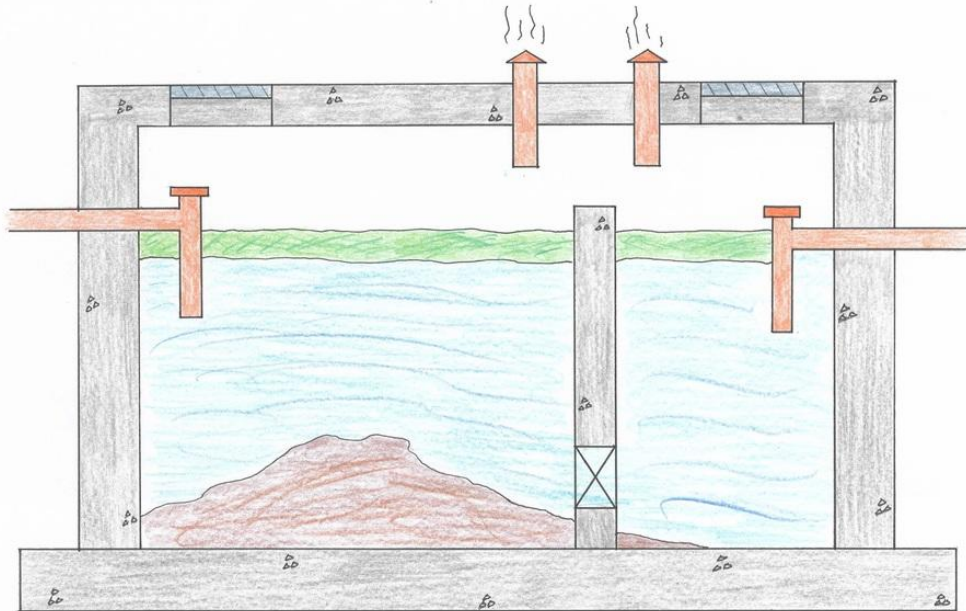
This consists of battens being attached to the plywood or OSB, again with insulation fitted between each batten, with a finishing plasterboard put in place.



The combined protection provided by the vapour barrier (internally) and the breather membrane (externally) ensures the timber inner leaf remains dry at all times.



Septic Tank



A Septic Tank is a private sewage treatment plant, which liquefies, and partially purifies sewage.

The purpose of a septic tank is to retain sewage so that it is given time to be liquefied by the action of Anaerobic Bacteria. These are micro-organisms that thrive in the absence of oxygen.

The wastewater flows from the septic tank to the distribution box.

The distribution box then disperses the flow of effluent into the percolation area. It is in the percolation area that the wastewater is then treated.

The wastewater flows through holes in the distribution pipes into a gravel underlay which then distributes it into the soil.