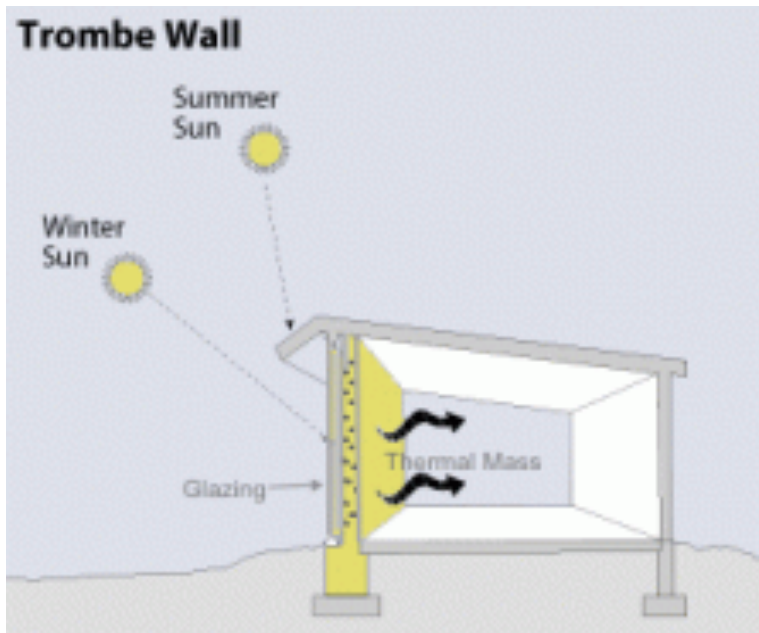


Anatomy of the Trombe Wall



It is built with eight-inch concrete filled block and lined with four inches solid concrete brick with insulation at the wall edges. The surface is covered with a black foil and glass panels are mounted in front.

The trombe wall creates a greenhouse effect that heats the thermal mass behind it and allows daytime heat to pass slowly into the house after the sun has set. There is much research supporting the concept done in the 1970's. The passive design is considered the best although others use a vented system to run air through ducts to the warmed spaces to return the hot air to the home.



Block wall



Insulated wall at ends