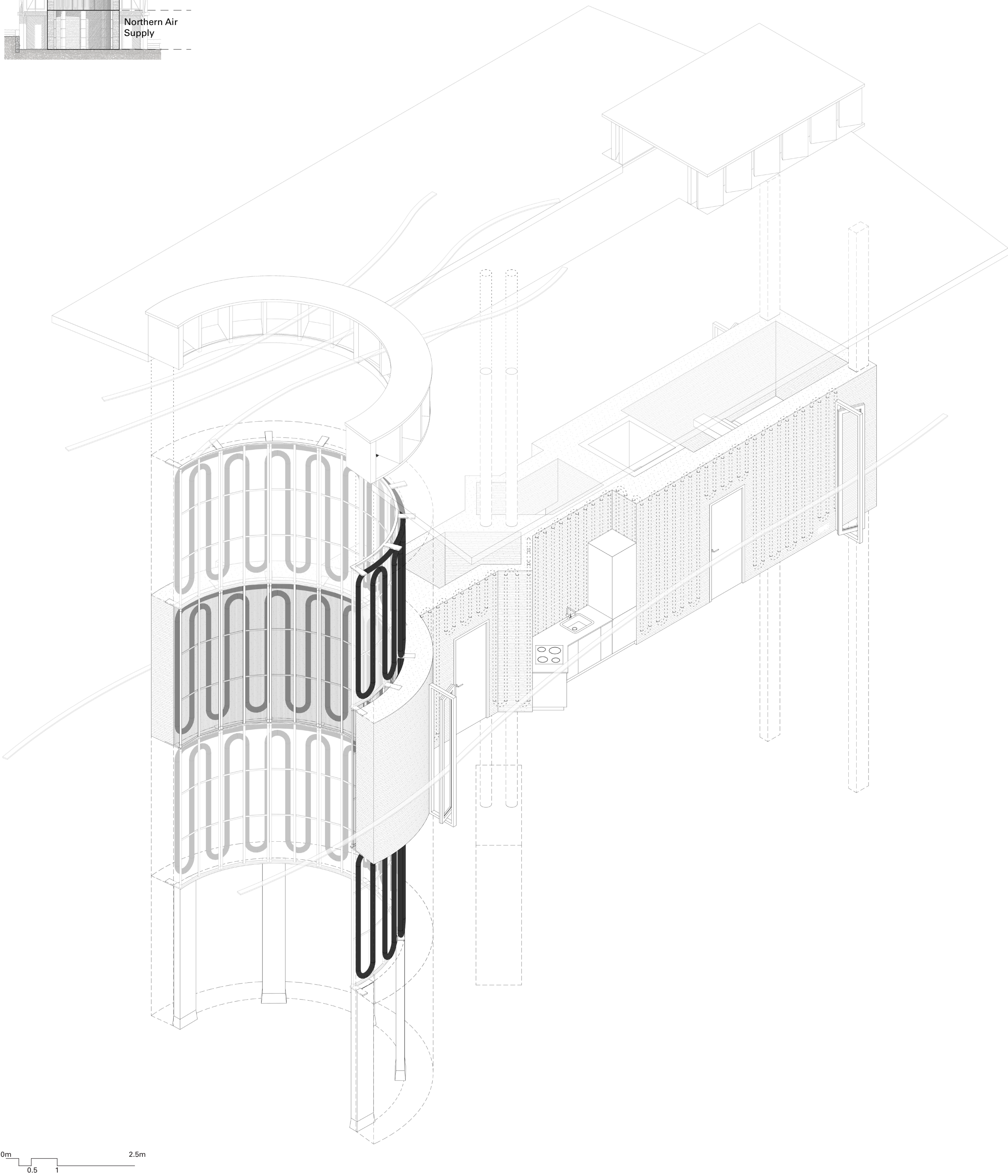
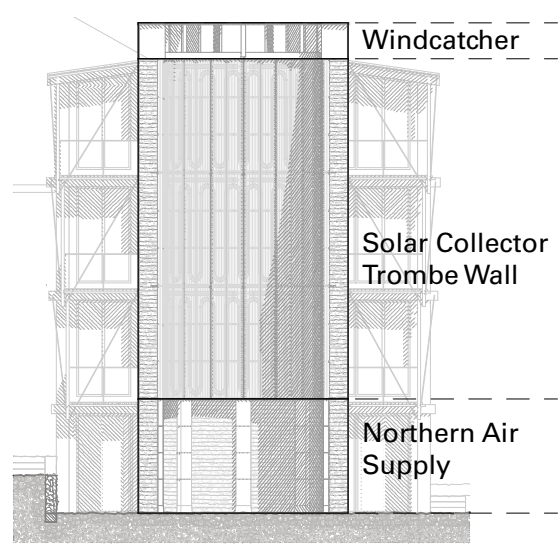
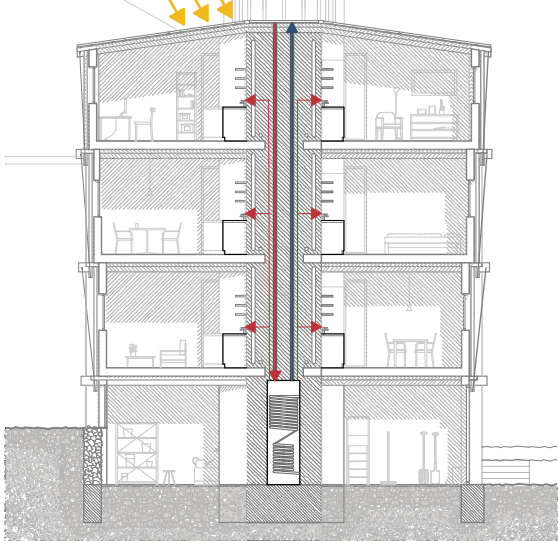


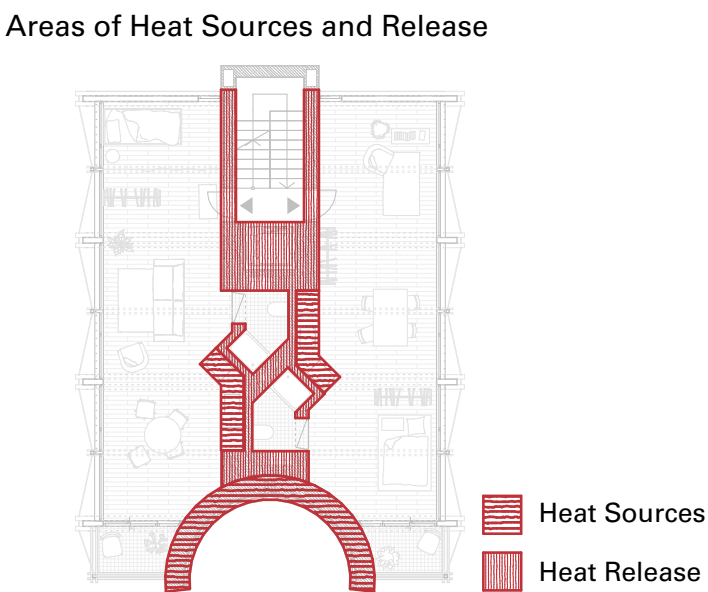
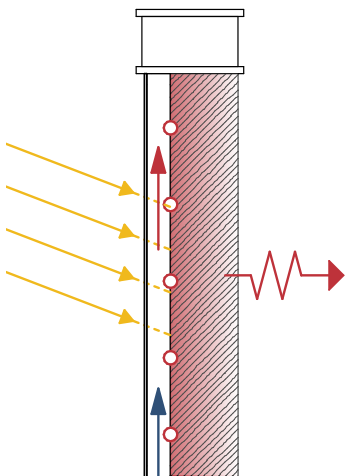
CONCEPT



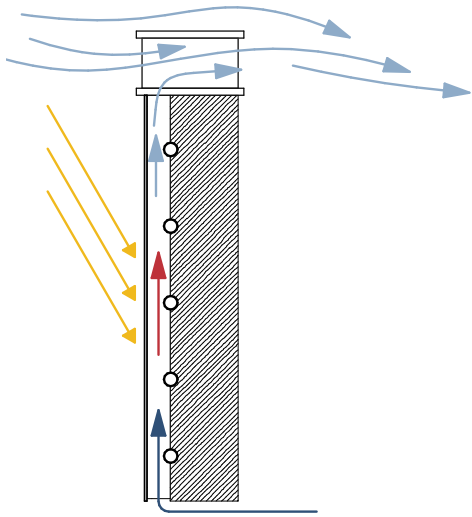
SolarThermal Energy for Hot Water



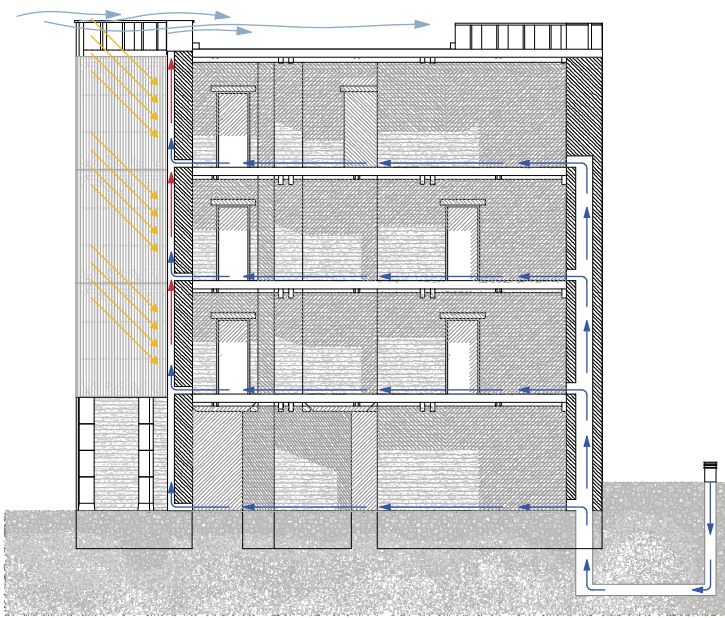
Winter - Cold Months
Heat Capture Principle Inside Trombe Wall



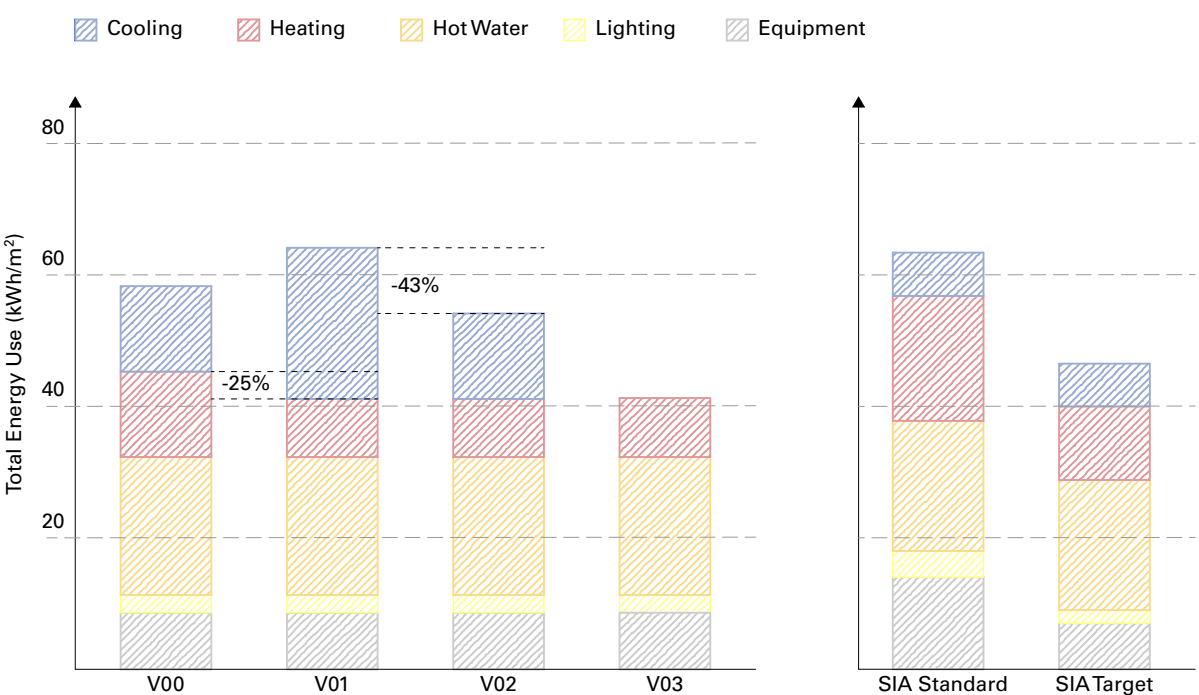
Summer - Warm Months
Heat Release Principle Inside Trombe Wall



Air Circulation for Cooling

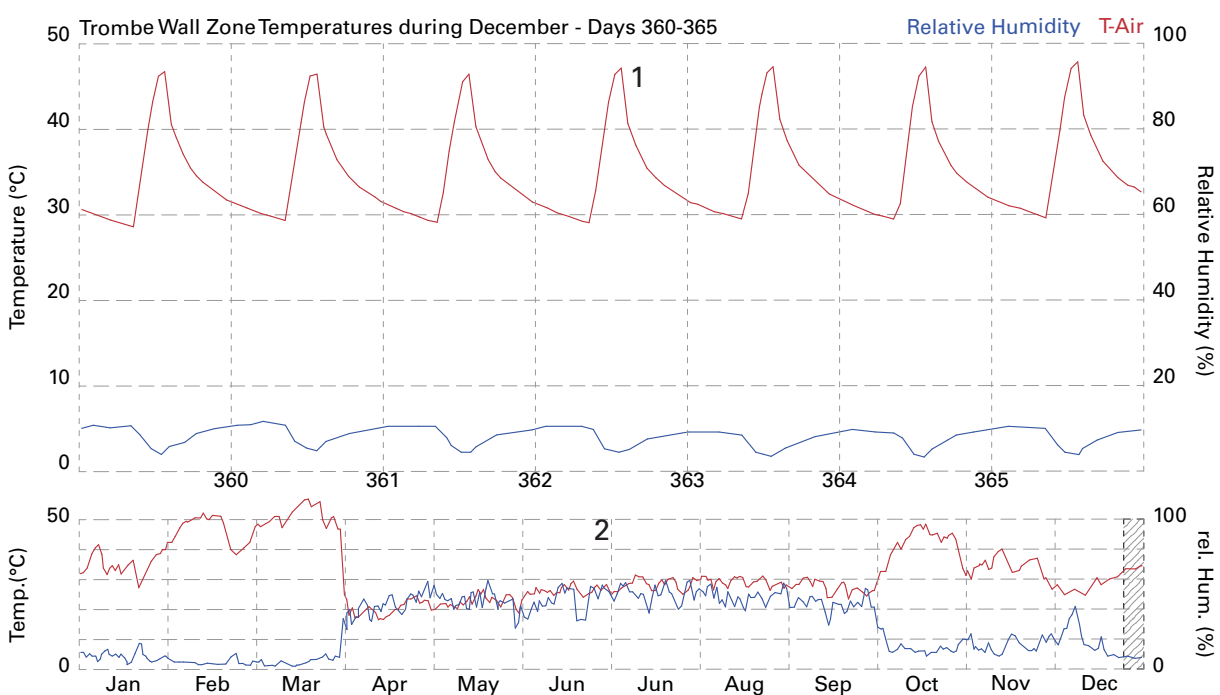


ENERGY USE INTENSITY



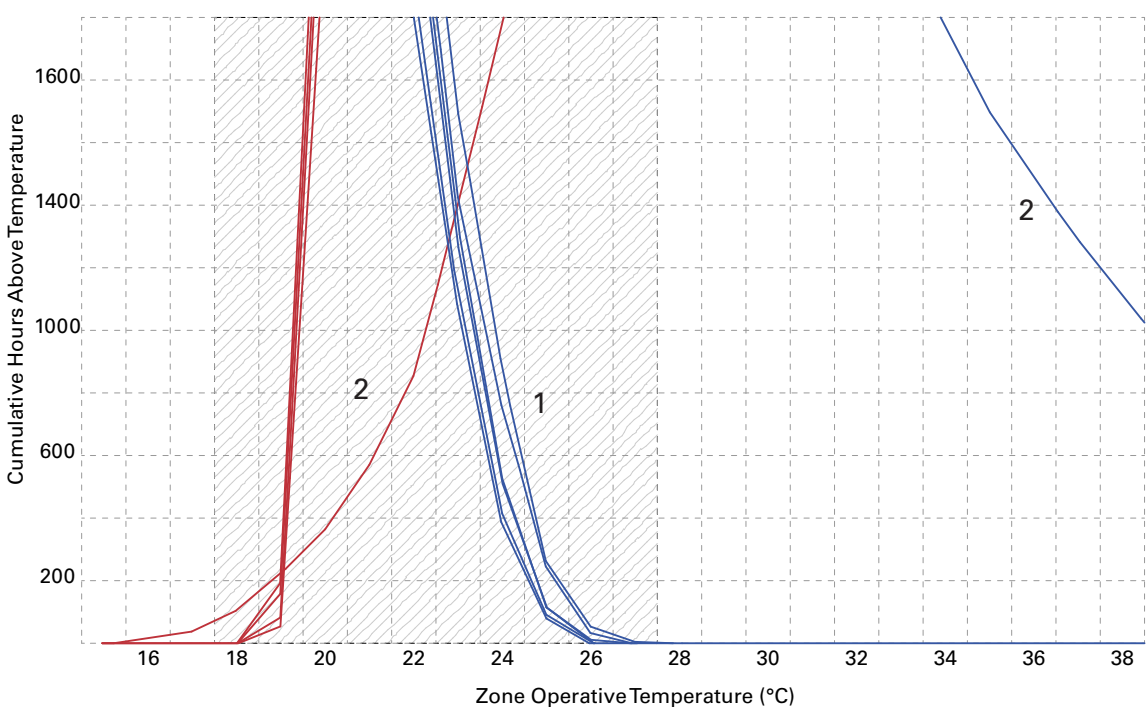
- V00 Basecase - no Trombewall
- V01 Trombewall activated - heating Demand decreases by 25%
- V02 Trombewall flushed during Months with no Heating Demand, cooling demand decreases by 43%
- V03 introduced natural crossventilation in months with cooling demand

T-AIR INSIDE TROMBE WALL AIR CAVITY



- 1 Temperatures rising up to 46.5°C during December
- 2 Temperature drop from April to September due to Trombewall-Flushing

OPERATIVE TEMPERATURE OF ALL ZONES



- 1 Operative Temperatures inside all zones
- 2 Operative Temperature Curve inside Trombe Wall Zone