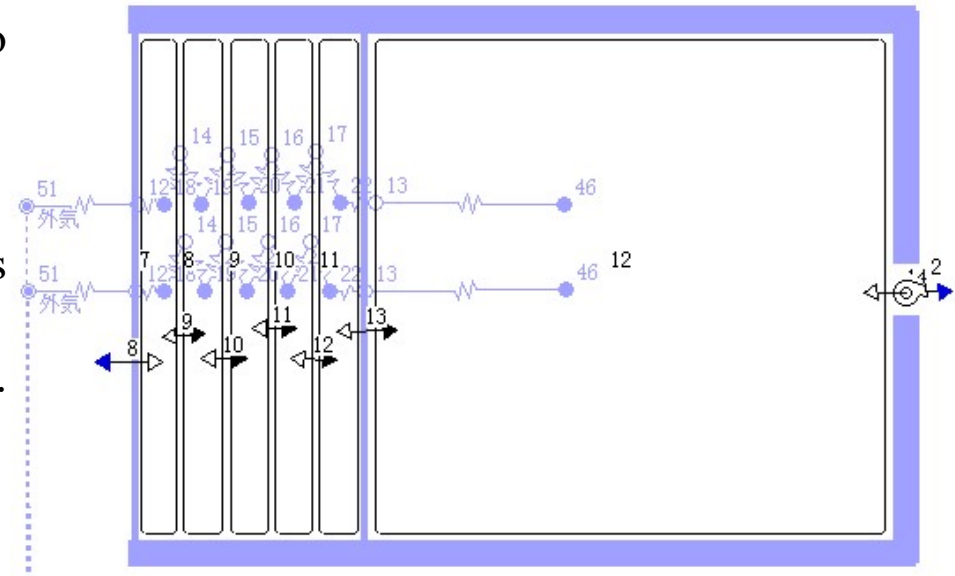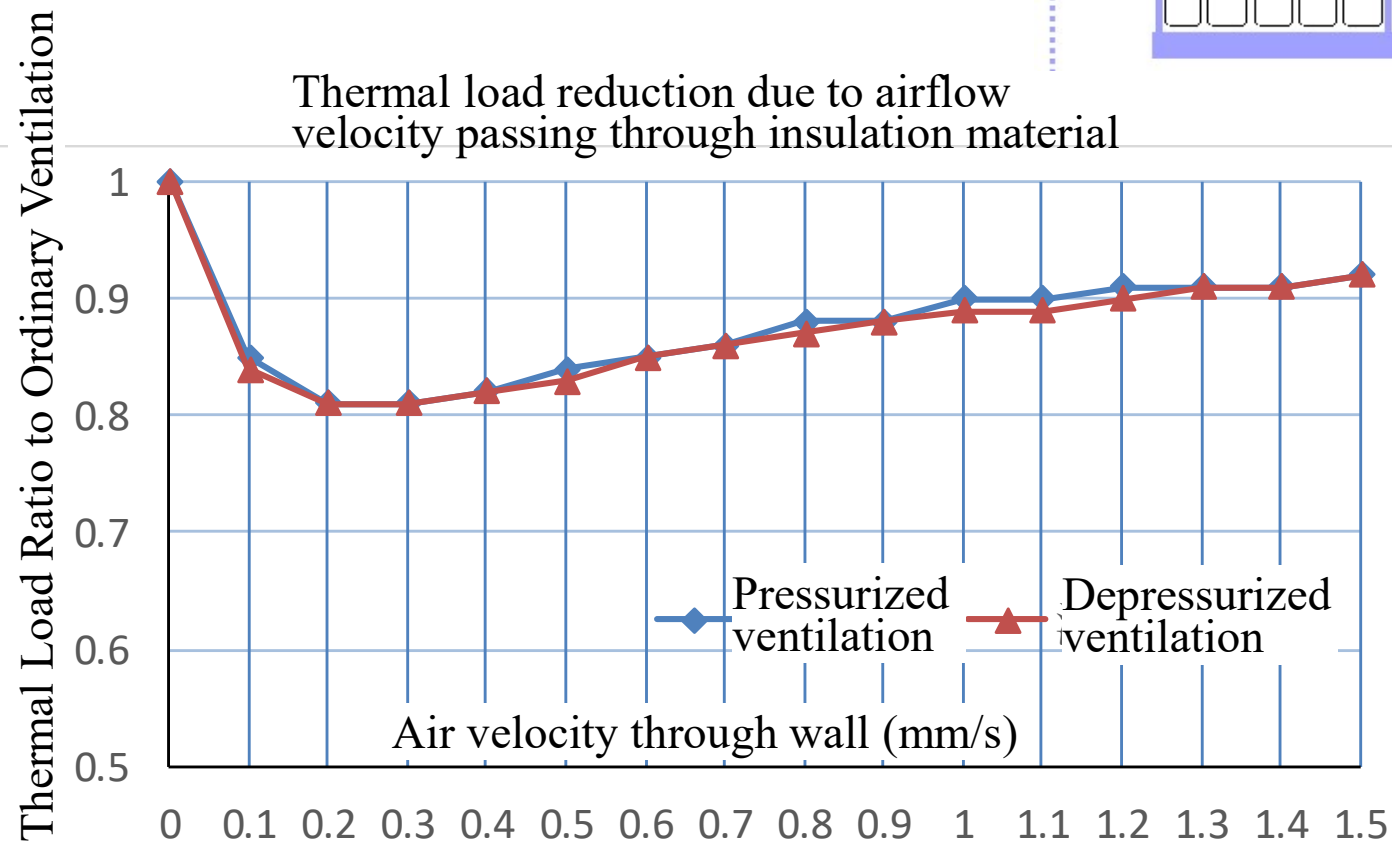# NETS calculation model and heat load reduction results

The ventilation model diagram is drawn, referring to the guiding diagram of the thermal and the water vapor models semi-transparent in the background.

Multiple models with different ventilation flow rates were drawn side by side and these many cases were calculated at once. This diagram is one of these cases.

Heat, Air and Water vapor Transfer Network Models

Thermal load reduction due to airflow velocity passing through insulation material

"Thermal Load Ratio to Ordinary Ventilation" is the ratio to the heat load when there is no air permeation.

From the graph on the left, the flow velocity that minimizes the Thermal load is 0.2 [mm/s], and the ventilation rate is 0.072.