

# Multi-chamber Ventilation Network Model

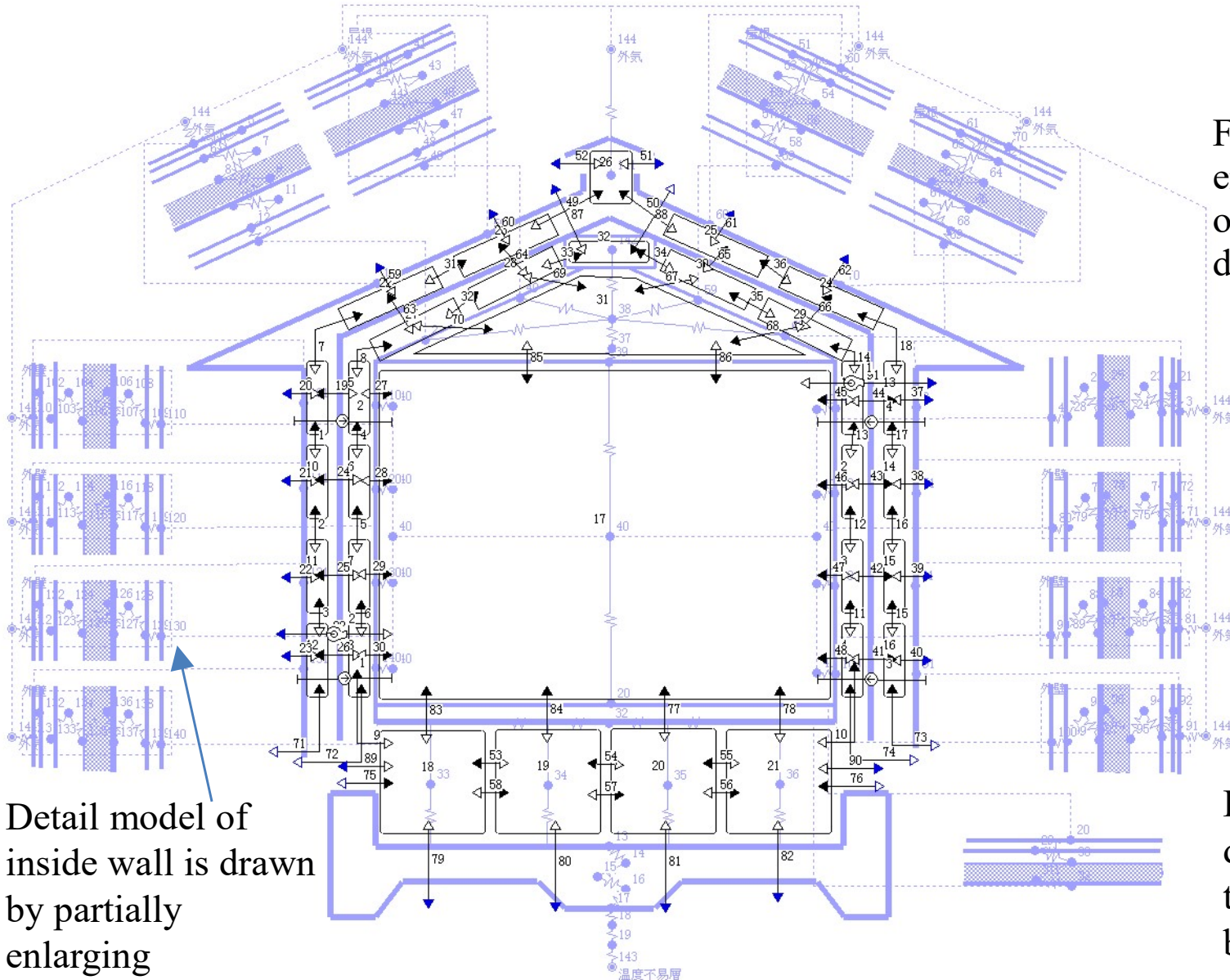
A semi-transparent underlying light blue diagram is a thermal network model used as a guide for model drawing.

Flow direction of ventilated air layer in wall is divided into several zones.

↔ Flow path

□ Zone

For modeling of air infiltration, empirical equivalent gap area of 4 [cm<sup>2</sup>/m<sup>2</sup>] is evenly distributed to the outer wall.



Detail model of inside wall is drawn by partially enlarging

For calculation of air density of zones, we make the nodal correspondence between thermal and airflow network.