

## Nomenclature

Ai -> Air volumes

Wi- Water volumes

0; - Average water temp. in Wi

Ti= Average water temp.in Ai

Te = Ext. Temp.

Tr = Room Temp.

## Cons. of energy applied to:

$$\dot{m}_{\alpha}C_{p\alpha}(T_{i}-T_{o}) = h_{\omega\alpha}(\Theta_{i}-T_{i}) + h_{e}(T_{e}-T_{i}) + h_{r}(T_{r}-T_{i})$$

$$\dot{m} C_{pw} (\Theta_2 - \Theta_1) = Q_w$$

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Notes

- 1 Can repent above up to i=5
- 2) When the wall in the interior is removed, we have to change hr. (increase it).