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*Designing Spaces For Natural Ventilation*

The procedure below can be used to design ventilation systems:

Calculate heat or cooling load, including sensible and latent heat Calculate

necessary air shifts according the number of occupants and their activity or any other special process in the rooms Calculate air supply temperature

Design of Ventilation Systems - Engineering Toolbox

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researchers, and students. The authors present both historical and modern examples of successfully naturally ventilated spaces and offer discussions of recent research that challenge the perceptions of "coolth" and thermal comfort provided by air conditioning.'

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Another term associated with natural ventilation is "passive



cooling”, which refers to designs that do not use complicated or sophisticated mechanical equipment in order to induce comfortable...

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By using key natural ventilation strategies to ventilate during the day or night (night cooling), mixed mode ventilation reduces the use of mechanical systems and possibly the size of the system. Like natural ventilation systems with WindowMaster, mixed mode ventilation systems utilize sensors to monitor indoor temperature, CO2 levels, and humidity, as well as outdoor conditions.

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