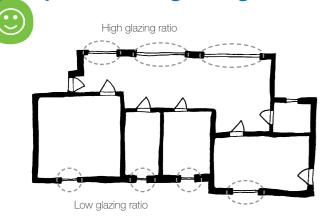
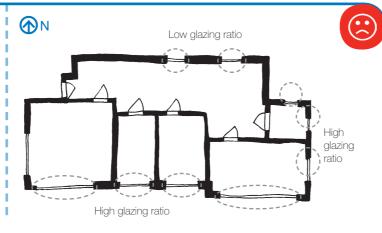


A quick guide to

sustainable design principles

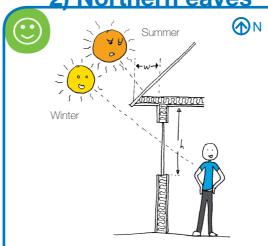
1) Northern glazing

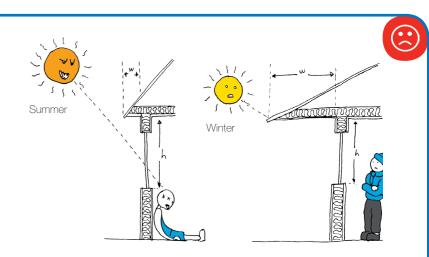




Buildings should have a high glazing ratio on their northern face to maximise solar energy and minimise glazing on the south side to reduce heat losses.

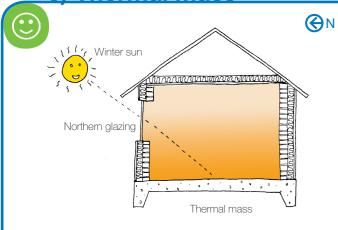
2) Northern eaves

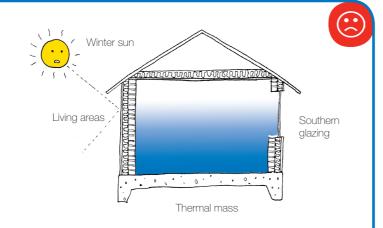




Building eaves should be designed so their width 'w' equals 45% of the window height 'h'.

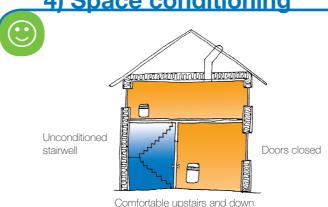
3) Thermal mass

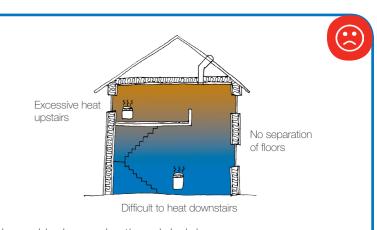




Thermal mass should be positioned to collect heat from the winter sun, while being protected from the summer sun.

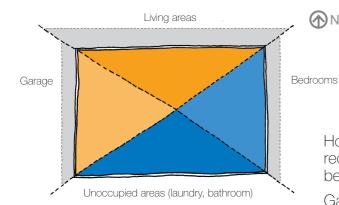
4) Space conditioning





Separated floors can be heated or cooled evenly and independently, minimising energy use. Other habitable areas should also be separated from each other to ensure low use areas are not heated or cooled unnecessarily.

5) Home layout



Houses should be laid out so that living areas receive the most warmth from the winter sun, while being protected from the hot summer sun.

Garages should be orientated to the west.

Victorian Local Sustainability Accord







The SDAPP roll out project is funded through the Victorian Government's Sustainability Fund under the Victorian Local Sustainability Accord.

Moreland Energy Foundation www.mefl.com.au T 03 9385 8585 Disclaimer: These principles have been developed for southern Australia and apply only to locations between 30°S and 40°S. They should be used only as a guide. For more detailed information we recommend using Your Home Technical Manual, available online at www.yourhome.gov.au/technical.

Every effort has been made to ensure information is true and accurate at the time of publication.

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