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Strategies to Reduce Energy Use

Minimize heating and cooling loads:

- Minimize glazing on east and west facades
- Minimize solar gains with shading during peak cooling periods
- Optimize R-value for climate and building occupancy
- Eliminate thermal bridges (accounts for significance heat loss)
- Thermal mass reduces energy use in most buildings in most climates
- Maximize southern exposure
- Orient building with long axis East-West
- Use prevailing wind for ventilation

ACI WEB SESSIONS

Needs?

ACI

WEB SESSIONS

- Energy modeling shows us that thermal mass can save energy
- Integrated design ad post-occupancy data shows
 us that thermal mass saves energy
- But are we missing something?
- Because energy modeling is still not very accurate



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