

Rinker Hall at the University of Florida

- Achieves 56% energy savings over conventional buildings.
- Built for \$6.6 million or \$139/ft²
- Reduces south elevation transmittance through the glass 25% of the time.
- Gold rating for LEED and AIA COTE Top ten green project for 2005
- Increase daylight contribution by 30% by orienting the building on a pure north-south solar axis
- On the east and west they have large exterior windows, wavelength selective glazing, shaped ceiling geometry, photosensor controlled electric lighting, upper day lighting louvers, and lower vision panel blinds with reduced transmission in closed position
- Situated to protect existing trees which increases shading and cooling
- Seismic resistance (don't really understand this part)
- Designed for future massive photovoltaic upgrade (for a total of 90% of the total peak energy demand)

Oregon Health and Science University Center for Health and Healing

- LEED: Platinum
- Passive heating/cooling and natural ventilation of stair enclosures
- Radiant cooling for the atrium and lobby ground floor, using reclaimed water and ground water in the thermo-active concrete slab
- Heat recovery systems, including from laboratory and general exhausts and returning gym air through the locker rooms
- Demand controlled ventilation (DCV) using CO₂ sensors and occupancy sensors, so spaces are not overventilated or overlit when not in use
- Night-flush precooling with outside air up until one hour before daily occupancy
- Building commissioning, including field verification of all energy using equipment
- Green roof for wild life habitat, temp moderation, and rainwater harvesting