This K-12 earned an Energy Star rating of 82 with a 27% reduction in Carbon Dioxide (CO2) and an energy use of only 100.9 kBtu/square foot/year.

Passive Cooling Design Strategies in this 38,277 sf K-12 resulted in:
* Energy costs of $2.22/sf annually
* Energy savings 1,456,691 kBtu
* CO2 savings of 309,500 lbs.

Recessed windows:
Prevent glare, direct sun and heat gain

Siting/Building orientation:
The shortest facades face east/west limiting exposure to the direct rays of the morning and afternoon sun

Materials: White roofs to reduce cooling loads

Natural Ventilation:
The exterior corridor roofs create a stacking effect: rising hot air drafts cooler air from the landscaped courtyards, perfect for our hot humid climate.

Tree Conservation: Existing large shade trees were saved by designing carefully around them. The trees cool the building and the parking lot, reducing the urban heat island effect.