



and ritual cleansing. Rather than providing, but concealing, a system of gutters and downspouts that funnel the precious fluid to underground cisterns, ENR2 celebrates the arrival of rain in the desert by channeling water through seven stories of connected planters, each becoming a spillway that sluices the water to a lower level. ENR2 mounts a ceremonial sound and visual ritual to which visitors from around campus and the surrounding community flock during storms. After cascading through the building, the water seeps through a rain filtration system at the base of the courtyard and is saved.

ENERGY AND CLIMATE The building is carefully tuned to the Sonoran Desert's diurnal temperature swings that vary as much as fifty degrees in a 12-hour period. Drawing design principles from Arizona's naturally formed slot canyons, ENR2 sets up a microclimate in its unusually narrow and sinuous cloister. The relationship between the building-mass and this curling outdoor space leverages thermal mass, self-shading, and evapotranspiration to create a significantly cooler, yet mechanically unconditioned, zone than is more comfortable than even the legendary courtyards of indigenous Southwest architecture.

HEALTH + WELLBEING Into this slot have been placed social, study, meeting, and lobby areas, along with much of the building's vertical and horizontal circulation. Sculptural, almost vertiginous, stairways clamor up the canyon; elevators are hidden away. Conditioned space is thus minimized (maximizing energy savings) and inhabitants are drawn unwittingly to exercise by climbing stairs (from which they experience the dramatically unorthodox canyon)—rather than riding elevators.

COMMUNITY COHESION The cloister also builds community. Its celebration of the rites of nature draws visitors; its drama makes its occupants want to look and explore. Its visual choreography links across, and between, all levels, effectively connecting the many academic disciplines housed here, not by edict, but by fostering delight and curiosity.

ENR2 offers an **important innovation** in sustainable architecture: it teaches us that sustainability should go beyond technical performance; that it can be *environmentally performative*. By making sustainability palpable, it educates its occupants through clear, concrete, and inspired lessons just how humanity should synthesize its presence, and its language of building, with the natural world. This is an exemplary accomplishment that is critical to this University and important to the continued maturation of sustainable architecture.



SINCERELY **Robert Miller, Architect** Professor; Director, School of Architecture AIA Arizona Board