1 John Grinham (Built chair)  2 Tom Shockey (NY hotel)  3 Joel Newberry (Driving range)  4 Patrick Clay (Rehab center)
Embassy Infill

Space
Light
Urbanism
3rd Year

1 Chet Schutzki 2 Dan Bolt 3 Trey Shamer 4 Steven Harper
Jonathan Hanahan Winner, Top Honors, Humanitarian Award, Architecture for Humanity-Chicago New(s)stand Competition
Newsstand
Form
Techtonics
Urbanism
3rd Year

Chelsea Greemore Winner, Top Honors, Humanitarian Award, Architecture for Humanity-Chicago Newsstand Competition
After business hours the glass wall is simply slid back and recessed into the stand. This is accomplished by castor floorings and overhead slats. The stand remains secure while still advertising the product.

Periodicals are displayed on acrylic glass wall and are held by minimal sight impact aluminum shelving. By facing one periodical outward toward passers and the remaining inward to cognitive consumers, the stand creates a play on who is the true consumer. The veiled reflection of inside and outside allows for passers to easily locate a periodical on the inside if a purchase arises.

A Modular system allows for adaptation to regional and consumer needs. The larger form is dedicated to newsstand sales while the smaller form produces an opportunity for an internet kiosk or coffee stand, while increasing the selection of periodicals available.
Pediatric Dentist Mixed Use Infill

Space
Light
Urbanism
3rd Year

1 Jessamyn Losse 2 Chelsea Greemore 3 Jonathan Hanahan 4 Jonathan Grinham
Recital Room
Form
Acoustics
Graduate Thesis

Emily Garber
Leon Davis design-build straw bale art classroom
5th Year Thesis

Julia Mitchell (Space for ballet performance) Maryland AIA Student Design Award first place
Converge

The dedication of movement must be conceptualized at the intersection of various acts... This takes place at the Retidua Memorial Park at the lowest elevation of the site. Where water meets harbor, a park that acts as a public space for movement but also as a water collector in times of need. The park itself contains the
end of the harbor, two basketball courts, shaded green park space, and a memorial to the disaster that was retidua. During the rainy season, however, the park takes on a different function. Water flows into the park from pedestrian streets, a result of strategically placed roads. The water flows down a channel, into the main pedestrian space, a space where water fluxes through from the pool, celebrating life. This section holds the equivalent of three days of rainfall in the rainy season. When that occurs, it is celebrated through a cascade of water into the second zone, which holds eight days of rain, while leaving the tennis and basketball courts still usable. Finally, the harp space floods and holds twelve days of rain. As a result, the park holds about two thirds of what retidua released in 1991. A concrete point rises above all else and leads into the personal order to be overshadowed by water. But will just that? The release of water is celebrated as the sporting union when the time is appropriate. Thus, water is controlled and prevented from interfering with the daily lives of the community and is harmonized as a beautiful feature, rather than a devastating element. Permanent, however, this is not within the park, it is an ongoing aspect of urban life that is carried out through the design of this community.

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5th Year Thesis

Keith Stricker (Urban design and water in Manila) Maryland AIA Student Design Award first place
5th Year Thesis

Matthew Van Wagner (Space for music performance)
Mixed Use Consulate and Residences

Space
Light
Skin
4th Year

1 Kelsey White 2 Daniel Choi 3 Jane Jennings
Mixed Use Consulate and Residences
Space
Light
Skin
4th Year

Zachary Lee
Consulate /Residences
Space
Light
Skin
4th Year

Sam Robinson
1 Sky Kim 2nd Prize (out of 220) Luraline student competition 2 Light Fixture Design, Environmental Building Systems course 05 and 08
The transparent room, which won an internal competition to solve a renovation noise control problem in the Sterrett Building, was constructed and tested. For comparison, Cowgill Hall’s glass entry vestibule was also tested, as was the extant small window in Sterrett. The required sound transmission loss to achieve acceptable Noise Criteria inside the Sterrett office was calculated based on site background noise and reverberation time measurements. The results can be seen on the graph above.

Student design-build
fiberglass-framed,
fiberglass-clad room with
sound transmission loss
field testing study
2006

Chris Jackson
Acoustic software maps orchestra level acoustic metrics in a model of the Philadelphia Performing Arts Center at three different architectural compositions. (The over-stage canopy is motorized and its height is variable.) Lateral Fraction (LF), Sound Strength (G), Center Time (Ts), and Delay, measure envelopment, loudness, reverberance, and intimacy respectively.

As the canopy moves from low to high position:

- Lateral Fraction increases in the house, particularly at house center, perhaps because the high-canopy geometry allows for second-order reflections incident first on the canopy, then on a side wall.
- Strength does not appear to change.
- Center Time increases with an effectively-larger primary room volume.
- Delay, surprisingly, remains unaffected.