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Check out this month's Engineering-in-a-Box series. The topic is footings. Go to [www.BrianMoskow.com](http://www.BrianMoskow.com) and click on Engineering-in-Box. To view previous releases, click on the YouTube icon, below.

### The Archistream

AIA Vermont receives grant

It is always interesting to learn about what other professional organizations are doing. Take, for example, The American Institute of Architect's (AIA) Vermont chapter. As part of the AIA national organization's Repositioning Initiative, a series of grants were awarded in five categories: K-12, Public Engagement, Component Relationships, Member Experience, and Emerging Professionals. AIA Vermont (AIAVT) won the \$42,750 grant for Public Engagement.

In applying for the grant, AIA Vermont's goal was to make architecture "mobile." Create something that is easily moved around the largely rural state that promotes education and outreach about architecture. Using the grant money, the chapter purchased a 21-foot, 1969 Airstream Globetrotter that was in good condition. As one AIAVT member said, "It has all its exterior rivets, which is good thing." The exterior was the easy part: just some adjustments here and there and a lot of polishing. The interior became the challenge.



AIAVT handed over the challenge to the undergraduate architecture class at Norwich University in Northfield, Vermont. Architect Tolya Stonorov, in Montpelier, provided her firm's design-build studio to the 10 junior and senior students for their project. The students used a 3D laser scanner and computerized router to fashion the plywood ribbing that forms shelving and support for video monitors. At one end of the camper, there is a sculptural table and benches that evoke an area for a collaborative design session or a plan review. One of students thought the interior needed a "wow factor" and suggested LED lights beneath the green translucent tabletop and shelving below the video monitor.



The students named their renovated camper "The Archistream." When they completed the project at the end of their spring semester, they sent the Archistream to the ECHO Lake Aquarium and Science Center where it will reside during the summer. It serves as a key feature for the center's interactive building and design exhibit. The Archistream, itself, contains two exhibits. One exhibit explores the work of Finnish architect Alvar Aalto. The other exhibit, as one may imagine, is about how the students renovated the interior of the Archistream.

AIAVT is currently working on how the Archistream will be moved around the state beginning this fall. When the Archistream concludes its exhibit at the ECHO Lake center, AIAVT members will be able to "borrow" it and use it as a means to profile their work and design solutions.

### Code Update

International Building Code update



In case you missed it, the International Code Council (ICC) released its building safety code updates in early June. As follows the 2015 International Building Code (IBC), changes include the following:

- Educational buildings and emergency centers located in tornado prone areas where wind speeds approach or exceed 250 mph are required to have storm shelters.
- Accessibility provisions have been updated and include requirements for recreational facilities involving amusement rides and pools.
- Wall bracing requirements now include three-story buildings in areas where the design wind speed is 130 mph.

According to the ICC, the new comprehensive code has been rearranged in an effort to streamline and clarify requirements. The code is also available in a series of formats that range from soft-cover or loose-leaf to eBook or PDF download.

<http://www.iccsafe.org>

### Feature Articles

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Code Update

### Dates & Events

**August 6, 2014**

AIA Small Business Forum

**September 17-19, 2014**

ACCFO - Asheville, NC

**October 10-11, 2014**

NCSEA Conference

Raleigh, NC

### About the Golf Image

Summer is a great time for golf! The image above is the Prestonwood Learning Center at Prestonwood Country Club in Cary, North Carolina. Red Engineering & Design provided structural design for the one-story recreational center. Bay doors on the course side of the facility open up to access the driving range.