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State School V-1

2009 Tilt-Up Achievement Award Winner :: Educational Division ★EXCELLENCE
 Submitted by Woodland Construction Co. of Jupiter, Florida

The State School V-1, a prototype school in Hialeah Gardens, Fla., built to accommodate the needs of the growing Miami-Dade County Public School District, features a unique design concept—the structure is meant to look like a Lego set that was not completely put together.

To achieve this vision, while adhering to a quick-turnaround construction schedule, the Miami-Dade School Board opted to execute the design via Tilt-Up rather than the more time-consuming alternative. The switch to Tilt-Up enabled all trades to work at the same time, resulting in a timeline of less than 12 months from ground-breaking to move-in. To make the schedule even more efficient, the panels for a two-story walkway were converted to Tilt-Up from cast-in-place using lid panels. The walkway panels have slopes that drain from the lid panels into a cast gutter. This gutter matches pipes cast into the vertical Tilt-Up panels so water can drain down the legs.

Bright color hues of white, yellow, blue, red and gray support the Lego concept and also lend a modern art deco look that complements the region's famed architecture. All panels are 100-percent exposed concrete, so film-faced plywood was used to cast the 3-foot recesses for limited sacking and patching.

Project Notes

- Total area: **147,854 sq ft**
- Total number of panels: **333**
- Tallest panel: **35'-3"**
- Widest panel: **34'-6"**
- Largest panel: **1,062 sq ft**
- Heaviest panel: **85,270 lbs**

Participating TCA Members

- [Woodland Construction Co.](#)
Role: Tilt-Up Contractor
- Permit Engineering Services
Role: Structural engineer
- [Meadow Burke Products](#)
Products: Lifting hardware, Braces
- [Nox-Crete Products Group](#)
Products: Bond breaker
- [Textured Coatings of America, Inc.](#)
Products: Paint

Similar Projects

- [Hurricane Intermediate School](#) - Hurricane, Utah
2007 :: Education Division
- [Rutledge Elementary School](#) - Austin, Texas
2006 :: Education Division
- [Fossil Ridge Intermediate School](#) - St. George, Utah ★EXCELLENCE
2005 :: Educational Division

Project Information
<p>State School V-1 Hialeah Gardens, Florida</p>

Photographs

Click on any photo to enlarge it



The purpose of the TCA Awards Program is to recognize outstanding site cast Tilt-Up structures and advances in technology, products and methods used in the Tilt-Up industry. For more information on the program, submittal requirements and deadline dates, please refer to the [awards submittal information page](#).

If you have further questions, please contact Jim Baty by [email](#) or by phone at (319) 895-6911.



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