



### Pomona College Follows Suit

Five months after the project at Harvey Mudd concluded another college in the consortium had plans to upgrade its facilities. The administration was particularly concerned with designing a new space that would last for years to come. Pomona College hired EHDD to update Millikan Laboratory, a 75,000 sq. ft space which includes teaching and specialized physics laboratories, machine shops, a computer lab, teaching spaces, faculty and administrative offices, and a student lounge. In addition to new classrooms, labs, and offices, the building features a ground floor colloquium for 80 - 100 students.



Custom Sliding-Boards  
Counter Weight

### A Similar Solution

Like the larger lecture hall at Harvey Mudd, the 100-seat colloquium at Millikan needed vertical sliding boards to help faculty and guest lecturers provide visuals. Platinum designed three 8' wide and 10' tall motorized vertical sliding markerboards on two tracks. The boards have a Writanium® porcelain steel writing surface with a lifetime warranty and an aluminum frame finished in clear satin anodized. Additionally, Platinum was able to further redesign the motorized boards to reduce the amount of vibration and create a quieter unit.

“...THEY REALLY  
**Maximize**  
THE SPACE.”  
~Brian Faber  
POMONA COLLEGE PROJECT MANAGER

### Another Uplifting Result

The new Millikan Laboratory enables the school's 21st century teaching aspirations with active learning, collaborative classrooms, and a lecture hall featuring Platinum Visual Systems' vertical sliding whiteboards. The result is an eye-catching teaching tool that will last for years to come and keep up with repeated use as the college strives to enable students now and in the future. Brian Faber, Project Manager

at Pomona College said, “Everyone enjoys using the whiteboards; they really maximize the space.”

The Platinum Visual Systems delivered great products for the Claremont Colleges, and David Springstun, Platinum Project Manager for both colleges, said, “I am proud to be a part of the end result”—a sentiment echoed by the entire Platinum team.

**PROJECT:**  
Shanahan Center for Teaching & Learning  
Millikan Laboratory  
Claremont, CA

**ARCHITECTURE FIRM:**  
Boora Architects, Portland, OR  
EHDD, San Francisco, CA

**CSI INFORMATION:**  
10 11 00 Visual Display Boards

**OWNERS:**  
Harvey Mudd College  
Pomona College

**GENERAL CONTRACTOR:**  
MATT Construction  
Santa Fe Springs, CA



PLATINUM  
VISUAL SYSTEMS



The Claremont Colleges  
Claremont, CA

The Perfect Solution  
From Concept To Completion





The Claremont Colleges is a consortium of five undergraduate liberal arts colleges, two graduate institutions, and Claremont University Consortium located in Claremont, California. Two of the undergraduate colleges are Pomona College, the founding member of The Claremont Colleges, and Harvey Mudd College, a liberal arts college of science, engineering, and mathematics. In total the consortium has 7,700 students and 3,600 faculty and staff, located on more than 560 acres of land.



### Harvey Mudd College Begins Work on a New Learning Center

Harvey Mudd College tasked Boora Architects to design the new Shanahan Center for Teaching and Learning, containing technology-rich classrooms, meeting rooms, faculty offices, and a 300-person lecture hall for use by all science and engineering disciplines. The center was developed and refined via a highly collaborative process with faculty,

staff, administration, and students. Additionally, the project's design aimed to exceed the criteria of the President's Climate Commitment. This commitment requires all new campus construction meet the U.S. Green Building Council's LEED Silver standard or its equivalent. The Shanahan Center targeted LEED Gold certification.

### The Challenge

A key aspect of the project was the lecture hall. At the heart of this teaching space was the need for large vertical sliding chalkboards to be used by instructors during lectures and visible by all 300 attendees. The boards would need to easily slide up and down a track and cover the massive front wall in the lecture hall. MATT Construction, the General Contractor on the project, contacted Platinum Visual Systems to help design a solution that would be sizable enough, easy to use, and energy efficient—a tall order!



### Platinum Delivers a Mammoth Solution

After collaboration with Boora Architects and MATT Construction, Platinum designed three 10' wide and 18' tall motorized vertical sliding chalkboards on three tracks. The solution also had custom limit switches to stop the panels precisely where the user wanted. This required redesigning the motor manifold to satisfy the demands of moving such expansive boards efficiently. Moreover, the vertical sliding boards were SCS Certified Indoor Advantage Gold. The solution delivered on size, function, and efficiency.

The installation of the final product required coordination with the electrical contractor and needed to be delivered in a tight time frame to keep the project on track. Platinum was able to accommodate not only the modifications necessary to produce sliding boards of such large size, but was able to complete the design, manufacturing, and installation of the boards on time and on budget.



Custom Sliding-Boards Control

### Inspiring Results

The lecture hall, inarguably the crowning jewel of the new Shanahan Center, now has a functional and elegant teaching tool at its focal point. In total the center is a modern and architecturally inspiring 70,000-square-foot academic building, providing flexible and technologically-advanced classrooms. Construction finished in July of 2013, and the first classes were held a few months later in September. The new building is a big hit with student and faculty.

"I really like the teaching space," said Ivan Wong, a 22-year-old engineering major at Harvey Mudd. "We have new whiteboards all around. I really like that fact. It's just more suited for a classroom learning experience. The new building is fantastic for that." (qtd. in Daily Bulletin)

Denny Endricks, Field Superintendent for Platinum, said, "Everyone involved did their part, and when it was complete I think it came out great."

