



Case Study



Property Owner

Beaverton School District



Main Contractor

Robinson Construction Co.



Architect

DLR Group



Acoustic Consultant

BRC Acoustics & Audiovisual Design

OVERVIEW

Arts & Communication Magnet Academy (ACMA) is a publicly funded arts magnet school in Beaverton, Oregon, United States.

The school's ad hoc facilities in an old airplane hangar didn't meet their academic and artistic needs and so a new 75,000 square foot two-story structure is being built. The existing performing arts building has been retained and will be integrated into the new structure. The new building will include classrooms, a cafeteria and a kitchen.

When completed, the building will be able to accommodate up to 725 student.

Stravigym HP

- High Performance discrete floating floor
- High mechanical resistance & acoustical performance
- Suitable for residential and light commercial gyms (impact energy <445 lbf-ft (600 N.m))

5,865 ft²

Stravigym HP



SOLUTION

A high-performance [Stravigym HP](#) floating floor consisting of 2" (50 mm) natural rubber isolators, high-strength steel channels for better load distribution, and dBooster® technology strips was installed to isolate the dance floor in the performing arts building.

Thanks to the dBooster® technology, the space is better equipped for different activities, as the patented technology makes the floor's acoustic performance less dependent on the type of activity and the impact energy generated.

“ *The install was fast.*

- **Bryan Kenney, General Contractor**
Robinson Construction Co.

“ *Working with CDM Stravitec was a simple and seamless process. Our team had great communication and we never had any issues go unresolved. The materials were onsite and ready to go, this really made the project go smoothly.*

- **Phil Allen, Installing Contractor**
Sound Palace Design



AT A GLANCE

CHALLENGES

- The three dance studios were designed to be directly over offices and classrooms.

BENEFITS

- The isolated floating floor will allow dance classes to be scheduled concurrent with activities in the spaces below.