

Separation Barrier For High-Speed Testing Machines

Case Study

Products:

- ✓ OmniFlex Framing System
- ✓ Fire and Sound Panels

Benefits Provided:

- ✓ Freestanding partition walls featuring full-height windows.
- ✓ 12' x 8' removable panel section for easy equipment servicing access.
- ✓ Flexibility for future expansion or modifications.



The Situation

To ensure the safety of both visitors and employees, as well as to safeguard valuable equipment, a leading sensor manufacturer had to create clear boundaries within its Testing Lab.



The Challenge

Modular walls needed to be attached to existing building walls in three locations while navigating around an existing building column. Existing overhead elements such as lighting, HVAC ductwork, air lines, and electrical wiring and conduit, made overhead attachment impossible.



The Solution

The standalone structure incorporates an open ceiling design, allowing existing lighting, ductwork, and conduit to remain untouched, thereby saving significant costs and time on expensive structural modifications. The inclusion of full-panel glass windows, including the doors, ensures ample illumination and visibility inside the structure, aligning with the client's practice of showcasing instrument testing to their clients.

Critical access to machinery for servicing or future expansion is facilitated by our modular panels, which include a 12-foot-wide section that can be easily removed and replaced without disrupting adjacent paneling.