

# ISO 8 Pharmaceutical Cleanroom

## Case Study

**Application:** ISO 8 Cleanroom with Gowning Room

**Products:**

- ✓ Series 300 Wall Systems in 12' Height
- ✓ FRP Fire & Sound Wall Panels
- ✓ Integrated Sliding Doors

**Benefits Provided:**

- ✓ FRP wall panels allowed for easy wash down
- ✓ ISO 8 Certified and GMP compliant
- ✓ Engineered for seismic



### The Situation

A fast growing bioscience company based in Tempe, Arizona required a Certified ISO 8 cleanroom compliant with GMP guidelines to control the environment of a pharmaceutical packaging process. The customer considered traditional construction as an alternative. However, they saw benefits to building with modular. Given their plan to relocate the facility in a few years, modular construction would allow them to relocate the cleanroom to their next facility.



### The Challenge

- ✓ First, existing space limitations would require installing the building in a very confined space.
- ✓ Secondly, regional building requirements specified the need for seismic bracing.
- ✓ Third, any solution would probably require the integration of a high-speed automatic door.
- ✓ Finally, the fast growth of the company meant that a move or future expansion was imminent.



### The Solution

Quick installation with minimal disruption. PortaFab's dealer provided expertise in designing and implementing a turnkey ISO 8 cleanroom; from initial specifying to the building permit and ultimate validation process.

Given the client's need for secure access control, PortaFab incorporated a dealer-supplied motorized aluminum storefront door to handle the high number of door cycles, along with key pad access. The motorized door fit within the Cleanrooms ISO 8 criteria.

Finally, PortaFab prepared structural calculations and professional stamped engineered drawings from a licensed engineer in Arizona to help with the local building permit process and address seismic conditions with the use of shear panels in strategic locations to control racking.