

# Equipment Room, Conference Room & Plant Separation

## Case Study

**Application:** Controlled Environments Including Equipment Enclosure Room, Conference Room and Plant Separation

**Product:** XTRA TALL Wall Systems, Series 300

**Benefits Provided:**

- ✓ Consistent Appearance Throughout Plant
- ✓ Effective Environmental Control
- ✓ Flexibility to Relocate



### The Situation

Our client, a manufacturer of fuel pumps, needed to create an enclosed equipment room whereby they could control environmental conditions and improve their quality control process. The company also had plans to build other areas with conventional “stick” construction due to the consolidation of 3 facilities into 1 facility in the near future.



### The Challenge

The client was faced with a real space problem to accommodate their requirements for a 2-story building. This application was difficult due to the lack of overhead clear height and because the enclosures needed to fit underneath existing bar-joists. It was going to be particularly challenging to tie the walls into the existing ceiling structure that contained multiple obstructions and wall height variations.

### The Solution

As the client evaluated potential solutions for the equipment room, they gained an appreciation for the benefits and capabilities of modular construction and saw how modular systems could be an ideal solution for many of their inplant construction projects. The client visited PortaFab’s corporate facility and various jobsites to fully understand PortaFab’s capabilities and see how modular systems were working for other manufacturers.

### The Modular Construction Concept

*The Modular Concept Expands from a Controlled Environment Installation to the Entire Plant*

To accommodate the heights required in the application, PortaFab supplied the client with XTRA-TALL wall systems for the primary equipment enclosure and to separate their distribution area from an assembly area that needed to be climate controlled. Precision field measurement and engineering allowed the modular systems to be fabricated offsite to minimize disruption of the operation during construction.

In total, PortaFab’s systems were used to create not only the equipment room and to divide the plant space, but to also build a conference room and several individual offices that were placed throughout the manufacturing and distribution areas of the facility to centralize the individual department managers and respective employees. PortaFab supplied secondary products including border guards, overhead and high-speed rollup doors, Hi-Density shelving and much more.

