

Freestanding Walls Showcase New Technology & Process

Case Study

Application: Segmented Process Area Visible Within the Plant

Products:

- ✓ OmniFlex 300 Freestanding Wall System
- ✓ Steel Fire & Sound Wall Panels
- ✓ 48" x 58" x 1/4" Tempered Safety Glass Windows
- ✓ 14 Gauge Steel Top Cap

Benefits Provided:

- ✓ Created Partitioned Process Area
- ✓ Utilized Existing Lighting, HVAC and Fire Suppression Systems
- ✓ Pre-engineering Design Allowed In-house Maintenance Staff to Install
- ✓ Flexibility to Take Down and Re-purpose at a Future Date



The Situation

A major automotive company's stamping plant wanted to create an enclosed area that would both partition and display an innovative new manufacturing technology. The goal was to essentially create a "Center of Excellence" within the existing manufacturing plant.



The Challenge

- ✓ A freestanding, standalone wall system that could reach height of 10'.
- ✓ Wall panels and glass that could withstand the rugged industrial environment.
- ✓ Glass inserts that would provide optimum visibility.
- ✓ Easy to clean materials as space would serve as a showpiece.
- ✓ Integrated doors to allow access of heavy and bulky equipment.
- ✓ Angled corners to fit around support beams and maximize space utilization.

The Solution

A locally certified PortaFab Distributor worked with PortaFab's engineering team to create an optimal solution that satisfied every one of the manufacturer's specific needs while still utilizing PortaFab's pre-engineered components.

Framing System — For the wall's framing system, our freestanding OmniFlex 300 wall system was specified for its ability to meet the 5lb. per square foot lateral load requirement for interior walls over 60" tall.

Steel Fire & Sound Panels — To provide the desired durability and visibility, PortaFab's Steel Fire & Sound panels with extra tall tempered glass panels were specified. The glass windows were positioned 4' off the ground to achieve the look the manufacturer desired while the steel panels were painted with an easy-to-clean white finish.

Maximize Space — Finally, PortaFab engineers worked with the manufacturer to integrate doors into the enclosed area and utilized 45 degree angled corner frames to fully maximize the designated space available within the plant's support columns.

Quick & Cost Effective — Once complete and installed, the manufacturer had truly accomplished its goals. The steel and glass enclosure effectively showcased the area as a Center of Excellence while also helping control quality, sound and access. Best of all, the pre-engineered solution was designed and installed quickly and cost-effectively and has the flexibility to adapt to future changes.