

Cost-Effective Environmental Control

Case Study

Application: Controlled Environment for Paint Curing System

Products:

- ✓ SteelSpan “All-in-One” Wall System - 30’ Tall

Benefits Provided:

- ✓ Quick installation with minimal disruption to plant
- ✓ Less expensive than traditional construction
- ✓ Integrated with existing roof and equipment



The Situation

A manufacturer that paints a wide variety of metal parts used in the production of office furniture approached PortaFab to solve their space problem. Due to the growth in demand for their products, they needed to increase the capacity of their painting operation.



The Challenge

To control temperature and humidity in a cost-effective manner. The solution would also need to be built within a fully operational plant and integrated with existing systems as well as complying building codes.



The Solution

PortaFab worked with its local dealer to design a 71' x 107' L-shaped wall using its SteelSpan “All-in-One” system. With its tongue and groove connection and innovative 2-piece floating top cap, the wall was erected quickly, easily, and in a minimally-disruptive manner.



The insulated panels provided the necessary temperature control and cutouts were fabricated to accommodate the motorized exhaust vents that assisted with both temperature and humidity control.

Best of all, the pre-engineered solution offered a significantly easier path to achieving code compliancy and required very little on-site fabrication – further reducing down-time, disruption, design and other hidden costs associated with traditional construction.