



WALL SYSTEMS

VERSA-KING - Our most popular wall system includes a separate framework of maintenance free aluminum to connect wall panels together. Extruded aluminum connecting posts enable superior fit and finish to ensure a tight fit for all building components. Standard posts and framing finishes include clear satin anodized and white or beige painted.

Features Include:

- Wall Panel Heights to 24'
- 3" Wall Thickness
- Solid insulating core of expanded polystyrene
- Durable Pre-finished Vinyl Covered Hardboard or Drywall Wall Panel Finishes available in 7 standard colors.
 - o Optional surface finished include: Painted Steel, Fiberglass Reinforced Plastic (FRP), High Pressure Laminates (HPL) and more.

MONOLITH - This frameless system creates a "monolithic" appearance with wall panels that connect via a tongue and groove side connection. This assembly method enables a tight, easy to seal joint at each panel connection.

Features Include:

- Wall Panel Heights to 40'
- 2" – 6" Wall Thickness
- Durable Pre-Finished painted steel on interior and exterior surface
- Solid insulating core of expanded polystyrene or polyurethane

DOORS

Standard swing doors are available with single or double leafs in an assortment of leaf sizes. Swing doors can be supplied with removable headers to facilitate equipment movement in and out of the structure. Swing doors are available in aluminum or steel construction. Other Door Options Include: Overhead Doors - Sectional doors, Steel roll up doors, High-speed fabric roll up doors, Breakaway doors, Automated doors and roof hatches, Sliding Doors - Barn doors, and Automated commercial grade sliding doors

ROOF / CEILING SYSTEMS

- Standard Roof & Ceiling System consist of non-load bearing corrugated metal "B" deck with a non-directional mineral board acoustical ceiling system.
- Load Bearing Roofs (to support building maintenance along with fire suppression and mechanical equipment) include steel I-beams or open web bar joists for additional structural support. Acoustical ceiling system options include: Gasketed grid systems, Vinyl face gypsum ceiling tiles, Painted steel on drywall ceiling tiles, FRP on drywall ceiling tiles, Perforated steel ceiling tiles and more. Panelized Roofs: With a solid insulating core that includes painted steel interior and exterior surface this system maximizes interior clearance by sitting directly on top of the wall panels. Similar to the monolith system, these roof panels connect via a tongue and groove side connection. Insulating core is expanded polystyrene or polyurethane. Panelized roofs can also be designed to accommodate walking loads if required.

ELECTRICAL

Versa-King - The Versa-King post design provides an easy access wiring chase every four feet. Snap-on cover plates allow quick and easy wiring during and after set-up. Optional modular electrical systems including pre-wired outlets, switches, lights and load center are available.

Note: Monolith Wall System requires surface mounted electric for outlets and switches.

MECHANICAL

Because environmental control is critical to the operation of any CMM enclosure, we offer a variety of options to assist in maintaining proper temperature, cleanliness and humidity. Mechanical Options include: Self contained combination thru wall HVAC units, Wall-Pac HVAC systems, Mini-split HVAC systems, Contractor Installed roof top systems, HEPA Filtration (Ceiling or Wall Mounted), and more. Contact us today and let us show you the advantages of utilizing Porta-King's design team to create your CMM room.

CMM ROOMS

Temperature and humidity controlled environments can be critically important to the performance of coordinate measuring machines (CMM's) or other highly calibrated, sensitive equipment utilized in quality control processes. Porta-King modular rooms are an easy and economical way to protect your investment from damage caused by dust, temperature, or humidity.

Advantages to Utilizing Porta-King's Modular Construction:

- Easy and fast installation process Flexible design enables CMM rooms to be easily constructed around existing calibration equipment or the equipment can be brought in after the assembly process is completed
- Wall panels are easy to remove for replacement or modification to original layout
- Investment can typically be classified as capital equipment for accelerated depreciation
- Tall wall sections to create high ceilings for accommodation of the up and down movement of the CMM's vertical spindle.



IMAGE 1: We designed this large modular enclosure to house several coordinate measuring machines (CMM) under one roof. The walls of this Versa-King system are single piece, 18' tall with a white painted steel finish on both sides.

IMAGE 2: This CMM room includes two different colors for the exterior panel finish. The customer also requested full perimeter glazing to allow visitors to view the calibration testing process from the outside of the structure.

IMAGE 3: Our customer requested the color blue for the exterior of this CMM room to make it easier to identify inside their congested manufacturing facility. Blue is one of seven standard panel color choices for our Versa-King wall system. We can also supply a limitless choice of custom colors upon request.

IMAGE 4: This CMM enclosure includes several automated overhead doors and a load bearing roof with a ships ladder for easy and safe access to a secured area located on top of the structure.

IMAGE 5: Large custom sliding doors like this one can be included to allow movement of materials and equipment in and out of the CMM room. This room included custom powder coated framing to match the aesthetics of surrounding plant equipment.

IMAGE 6: Versa-King modular walls are available up to 24' tall to provide ample clearance for movement of the vertical spindle on the coordinate measuring machine. The customer selected a durable, easy to clean, smooth white fiberglass reinforced plastic (FRP) for the finished surface.