

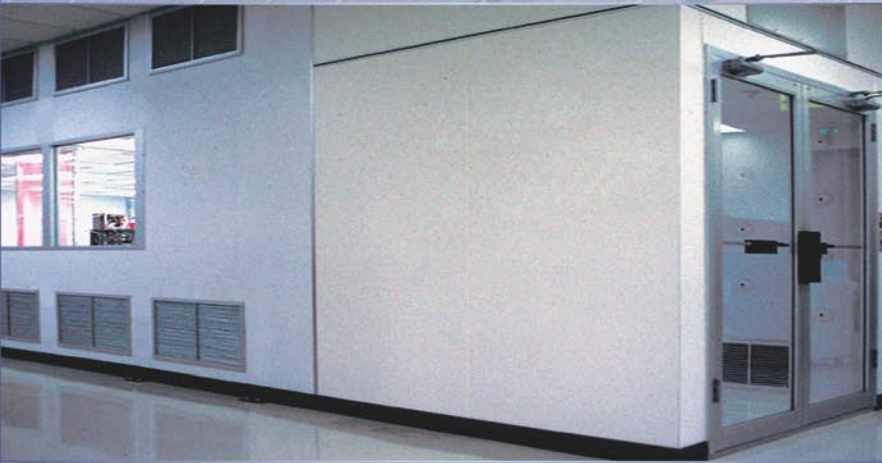
Phoenix-E

EnviroCon™

Functional Building Systems



Economical Installation of Environmentally Controlled Buildings, Cleanrooms, Control Rooms and Equipment Enclosures



EnviroCon™ enclosure systems establish environments to precise tolerances needed to maintain standards of quality in manufacture, assembly and process. Temperature, humidity and airborne contamination are regulated for such applications as cleanrooms, clean zones, laboratories, precision production, photometric testing, and sanitizing operations.

Safe and comfortable work areas can often be furnished within a hazardous site by erecting engineered functional building structures. Properly designed, these can accommodate most exterior or interior site conditions without significantly altering production or processing methods.

Control rooms can be situated near the process being monitored. Laboratories and offices can be located as convenient to plant operation.

EnviroCon™ structures provide protection for employees and sensitive equipment from unacceptable conditions such as dust, humidity, temperatures, noise and hazardous elements:

- Hazardous (H) Occupancies
- Industrial Cleanrooms
- Production Environments
- Noise Control Systems
- Control Rooms
- PLC Enclosures
- Product Diagnostic Rooms
- QC Test Chambers
- Laboratories
- Test Cells
- Temperature and Humidity Control



EnviroCon™ Controlled Environments

Mechanical Systems

Self-contained and split systems provided to control both temperature and humidity for interior and exterior applications. PHOENIX-E has furnished systems to control temperatures within $\pm 1^\circ$ F and humidity to within 0.05% as measured at one meter intervals.

Purging systems for electrical purposes in accordance with NFPA 496 can be integrated into the EnviroCon Building System when needed to reduce the concentration of dangerous gas, vapor or particulate within the atmosphere.

Type X purging to reduce the NEC classification within an enclosure from Division 1 to Non-hazardous.

Type Y purging to reduce the NEC classification within an enclosure from Division 1 to Division 2.

Type Z purging to reduce the NEC classification within an enclosure from Division 1 to Non-hazardous.



Electrical Systems

Concealed electric power distribution, general and task lighting equipment, electrical devices as well as special electrical systems for classified hazardous locations as needed are each incorporated into the EnviroCon buildings during installations.

Materials

Standard Panel Construction:

- Aluminized steel
- Galvanized steel
- Stainless steel
- Galvannealed steel
- Aluminum

Standard Panel Finishes:

- Vinyl, Plastic, and Fiberglass Laminate
- Powder Coatings

Standard Insulating Elements Available:

- Glass Fiber
- Urethane
- Isocyanurate
- Mineral Wool
- Polystyrene




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