

Product Data and Specifications

Built to Order Softwall Cleanrooms

Creative Solutions

All Flexible Solutions Softwall Cleanrooms are self contained and floor supported. SAM Fan Filter Units, CRI Cleanroom Light Fixtures, Cleanguard Ceiling Panels and curtain walls are included as a complete package.

We build a wide variety of customized Flexible Solutions Softwall Cleanrooms. You tell us your requirements and our sales and engineering staff will design a creative solution.

These pages illustrate examples of custom designed softwall cleanrooms for specialized applications.

General Specifications

Frame: Prefabricated white painted steel frame.

Leg: At the bottom of each leg is a standard base plate with four (4) mounting holes for securing to the floor.

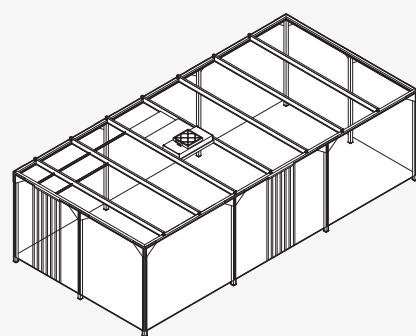
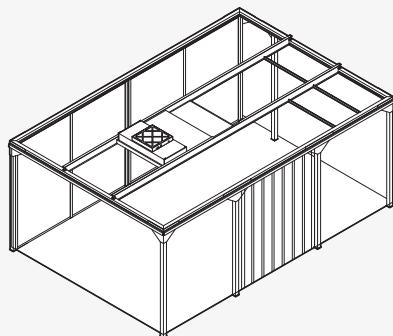
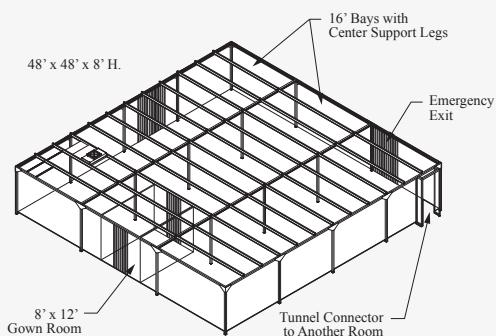
Ceiling System: Painted support structure, perimeter wall angle and aluminum T-Grid. CRI supplies closed cell gasket to be field installed on the load carrying flanges for minimizing leaks.

Curtain Panels: All sides are enclosed with standard 40 mil clear vinyl curtain panels with length appropriate to size and classification. Curtain panels are field installed utilizing an aluminum mounting track.

Strip Door: Standard access to the clean room is via a 4' strip door consisting of 8" 80 mil alternating frosted and clear vinyl strips overlapped 2". The strip door is attached to the cleanroom frame utilizing an aluminum mounting track during on-site assembly.

Interior Height: Standard interior height is 8'. Other heights are available.

Lighting: Cleanroom LED Light Fixtures are maintenance free, 20 ga. durable steel, with a textured polystyrene diffuser. Features include a 120-277 multi-voltage long life LED system,



with a pre-mounted driver for easy installation. 54,000hrs. LED projected life. Lights are UL listed and DLC QPL certified.

Ceiling Panels: Ceiling spaces not occupied by SAM Fan Filter Units or light fixtures contain nominal 2'x 4' CRI Cleanguard ceiling panels with sealed edges and white vinyl laminated on one side. The panels are heavy enough to continuously compress the gasket on the ceiling T-Grid system.

Fan Filter Units: SAM 2'x 4' Fan Filter Units manufactured by Clean Rooms International Inc. SAM units include a disposable pre-filter and final filter with a minimum efficiency rating of 99.99% on all particles @ .3 microns and larger. See Section 4 for more information on SAM units.

Electrical: Electrical connections to the building power source are to be completed on site by a qualified electrician at buyer's cost.

Assembly: Softwall Cleanrooms are knocked down for shipment. Detailed assembly instructions included with shipment.

Upgrades: Easy to upgrade from ISO Class 9 to 6 or Federal Standard 209 Class 100,000 to Class 100.

Upgrade to Higher Class

When a higher class is needed, simply add more SAM Units to achieve a higher class without compromising the structural integrity.

(See Figures 1, 2, & 3.)

Classifications Offered

SAMlink Control System

Anti-static curtains

Magnehelic gauge control panel

Variations of interior height

Perimeter fascia

Castors with brake

40 or 80 mil curtains

Frosted, Yellow/Amber, Smoke, Black Opaque curtains

SAM units with HEPA filters replaceable from roomside

Ducted filter modules (Terminal Diffusers)

SAM Haz Loc Units for hazardous locations

Seismic Zone Requirements

Refer to the following pages or consult with our factory for more information.

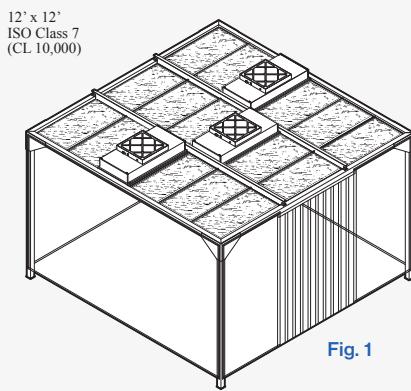


Fig. 1

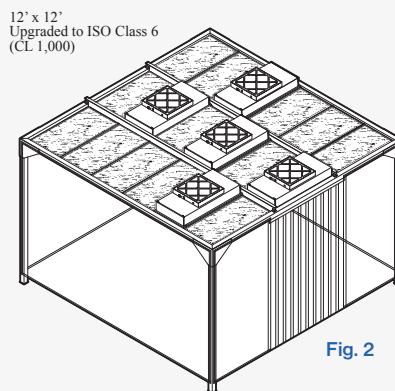


Fig. 2

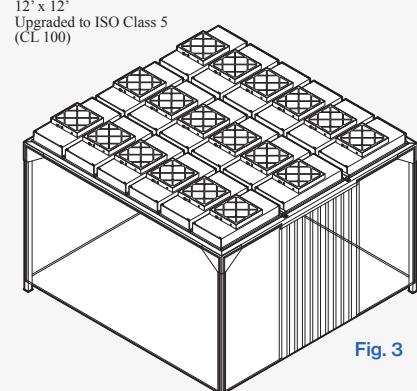
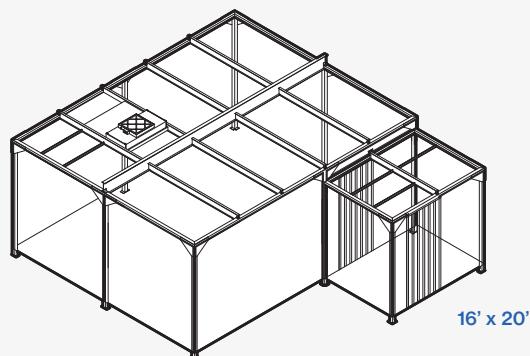
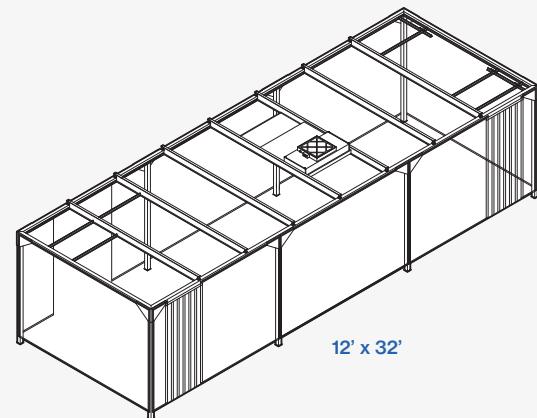
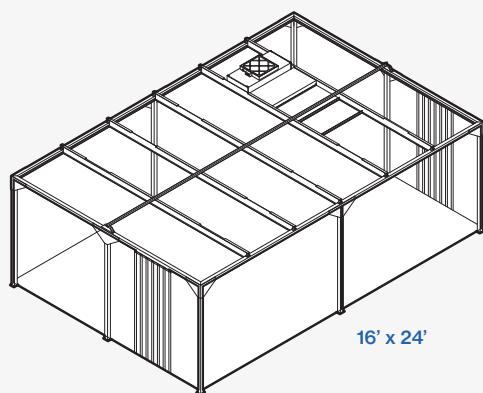


Fig. 3



For Hazardous Locations

