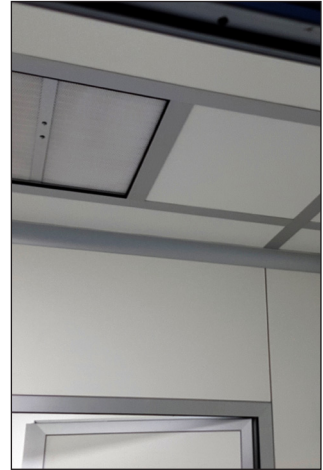


WHY MODULAR?

CLEAN³
MODULAR SYSTEMS



WWW.CLEAN-CUBED.COM



CLEAN³ Modular Systems Provide the Following Advantages in Both Design and Construction

DURABILITY

Our phenolic wall panels are extremely resistant to the occasional bump by a cart, tank or other metal object which virtually eliminates the extensive wall repairs of conventional drywall systems. ***See our "strike test" video and try it for yourself.***

Further, our Phenolic wall panels have been tested against prolonged exposure to all of the chemicals commonly found in pharmaceutical cleanrooms for sanitization purposes (including Bleach, CIP 100, and more). Once fully assembled the roof of the structure is rated for up to 25 lb/ft² for walk-on or working purposes.

FLEXIBLE FLOORSPACE

Our modular walls are only 1.75" thick, while standard wall systems typically start at 4.5" (5.5" with double drywall). Five to ten percent of valuable floor space can be saved using our thinner wall systems. ***Do the math, even in a small facility it may surprise you how many square feet are lost to thick walls.***

UNIFORM CONSTRUCTION

The wall and ceiling systems are pre-fabricated in a shop environment by skilled crews that are 100% dedicated to the task of building pharmaceutical grade cleanrooms under monitored conditions, avoiding the dust and trash found at every job site with stick-built structures. Our modular cleanroom systems are assembled on-site with virtually no excess debris, keeping the work space exceptionally clean, and ensuring a faster start-up of your new facility.

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AWS BIO-PHARMA TECHNOLOGIES

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FAST-TRACK

Our modular wall systems truly allow for fast track projects through the following steps:

- Fabrication can begin in our shop immediately upon drawing approval, and even before the balance of the other engineering is completed
- Shop Fabrication can typically be completed in weeks instead of months
- Shipment and Assembly is normally completed faster than on-site construction only

COST-EFFECTIVE

Our Modular Systems are cost-effective in the following ways:

- Shop labor rates are significantly lower than construction trades rates
- Higher productivity in a fabrication shop environment
- More efficient use of materials and tools in a shop environment
- Shipping cost is typically only a small fraction of the total cost
- Eliminates the need for painting, saves time and cost, and keeps the site fume and debris free
- As a turn-key solution we offer a single source CLEAN³ Turn-key System including a HVAC system, HEPA filters, flooring, lighting, fire suppression system plus additional cleanroom accessory options

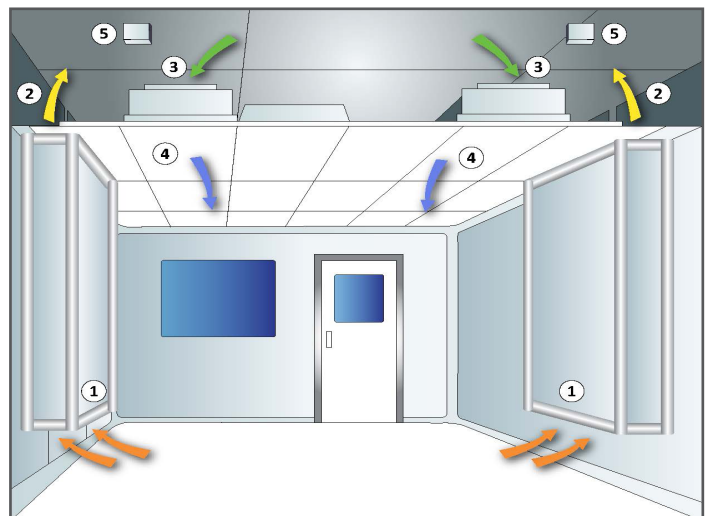
CLEANER CONSTRUCTION

- The interior surface of our low wall air returns is the same durable, smooth, easy-to-clean wall surface as the exterior
- No hidden areas inside a wall for construction debris, bacteria, standing water, or other foreign matter to remain (which could grow mold or other objectionable substances)

- Flush connections between floors, walls and ceiling (using 3" radius transitions)
- Windows and doors are the same thickness as the wall, which makes a very smooth easily cleanable wall surface
- Various insulation options including: Polystyrene (for noise), Rock Wool (for a higher thermo barrier) or Fire Resistant Corrugated Aluminum.
- All of our standard Phenolic wall systems come in your choice of 5 basic colors, or you have the option for customized colors to fit your requirements
- Wall panels, cutouts and openings are pre-fabricated in our shop, resulting in little to no construction debris

SUPPORT

We offer pre-engineering services to optimize a system to meet your requirements ensuring that your consideration is incorporated into the design.



ABOVE CLEANROOM ILLUSTRATION INDICATES THE FOLLOWING FEATURES: 1. EASY-TO-CLEAN AT FLOOR RETURNS 2. AIR RETURNS TO PLENUM 3. MIXED FRESH/RETURN AIR PLENUM 4. HEPA FILTERED AIR SUPPLY TO ROOM 5. ROOM SUPPLY AND RETURN AIR FOR PRESSURIZATION AND TEMPERATURE CONTROL.



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