



FreedomAire Ceiling System

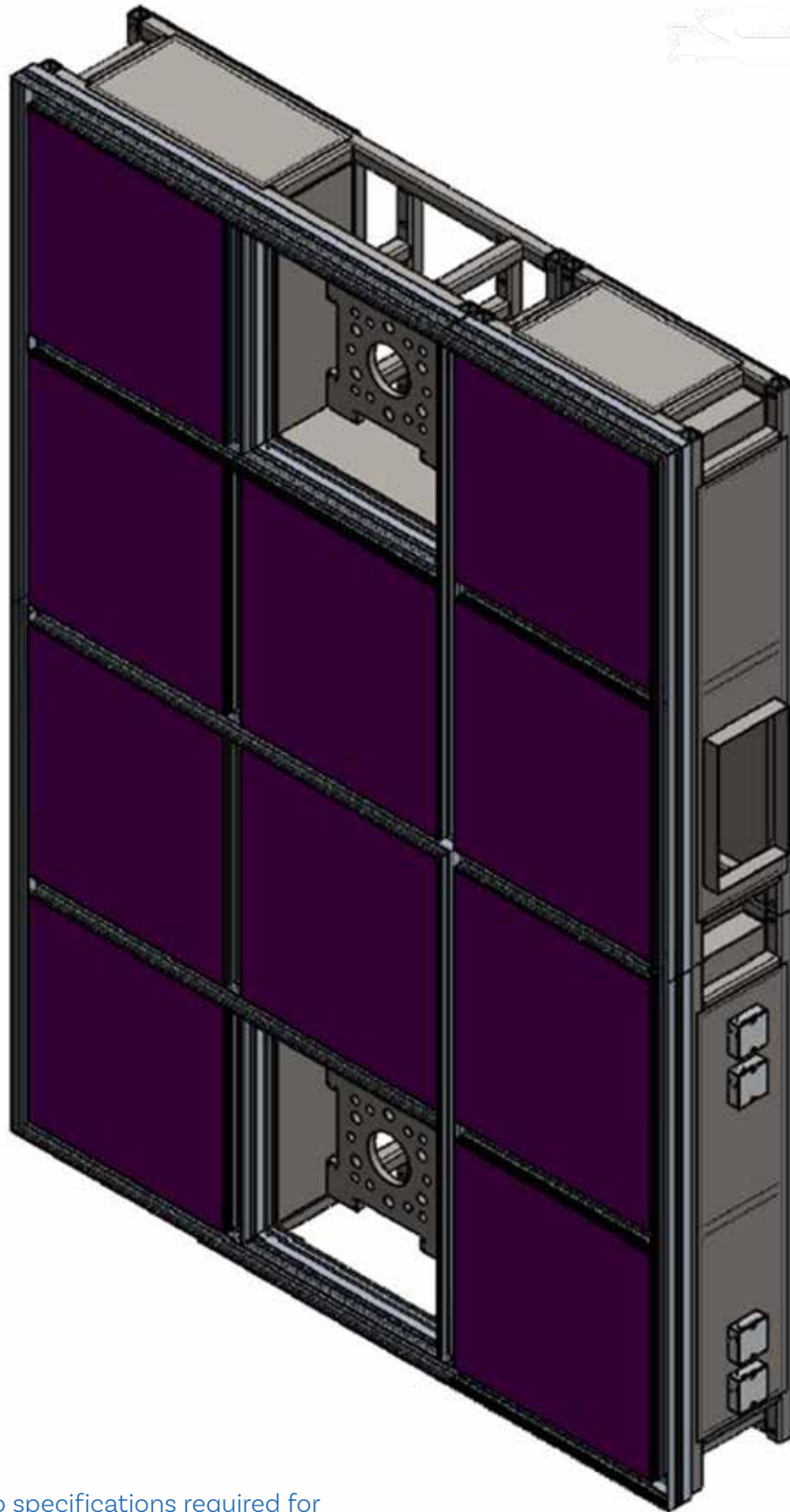
OR Design Guide: Head & Foot (12/6) Boom Layout for 600 Square Foot Room

The FreedomAire ceiling system is a modular, pre-engineered solution designed to be configured to your precise specifications. Manufactured off site, the ceiling is efficiently installed on site with minimal disruption to your operations, saving weeks of renovation time compared to a stick build. FreedomAire is available in both structural and non-structural versions, designed to accommodate a variety of applications and performance requirements.



FreedomAire

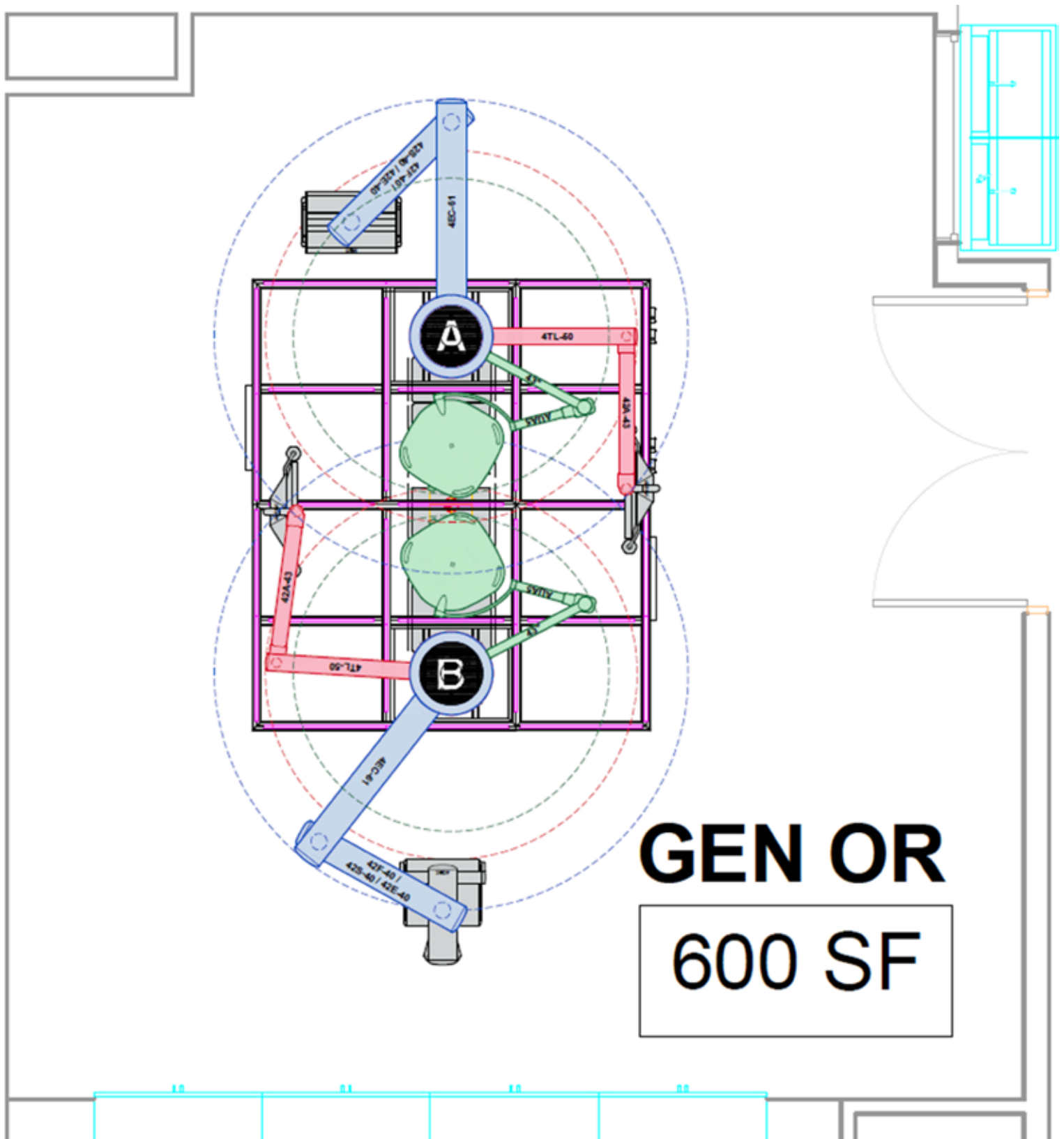
Head & Foot (12/6) Structural Rendering



Each system is built to specifications required for individual rooms. Data provided will vary based on final configuration.

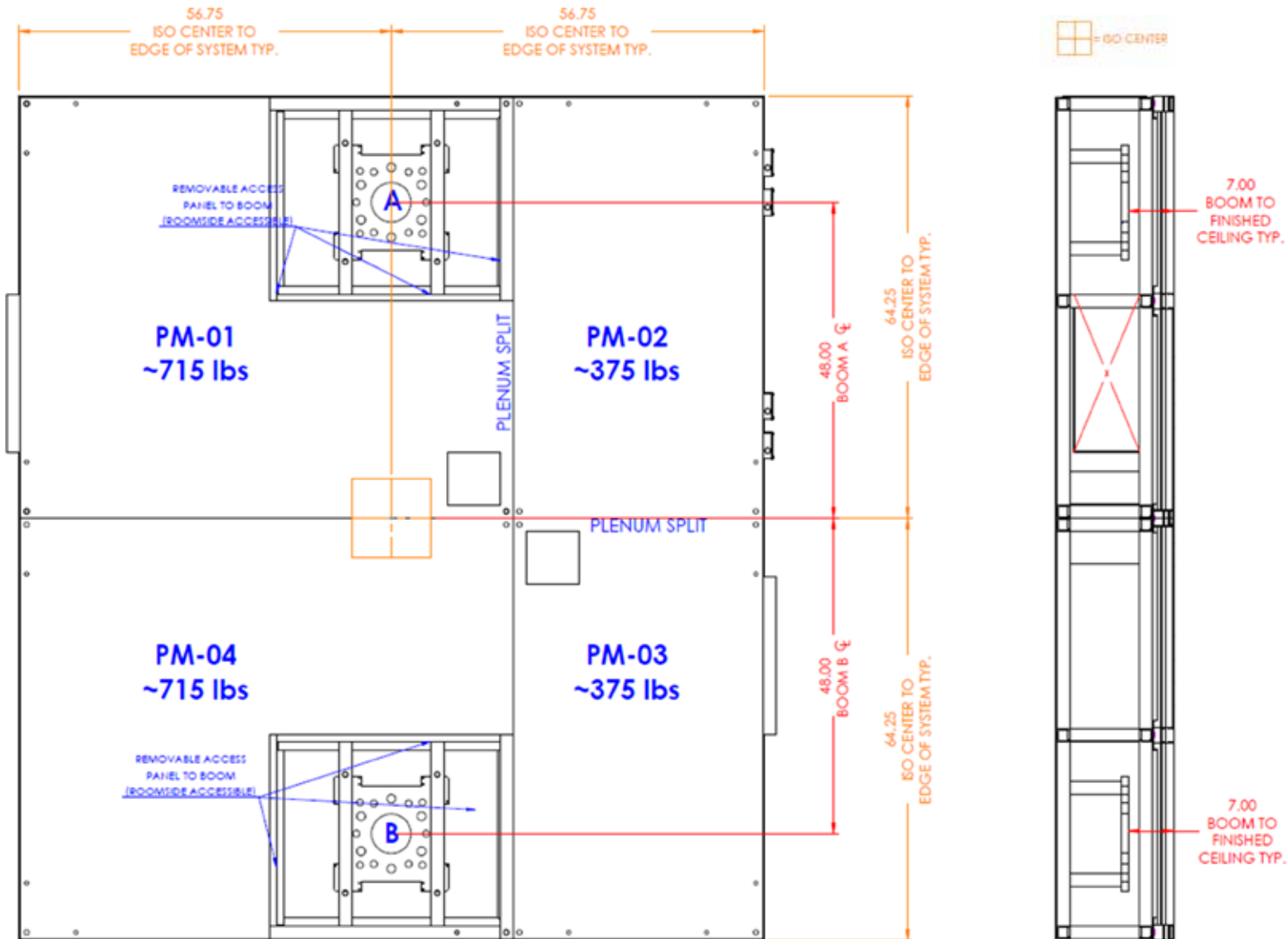
FreedomAir

Head & Foot (12/6) Structural Layout



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Head & Foot (12/6) Structural System Sizing Overview

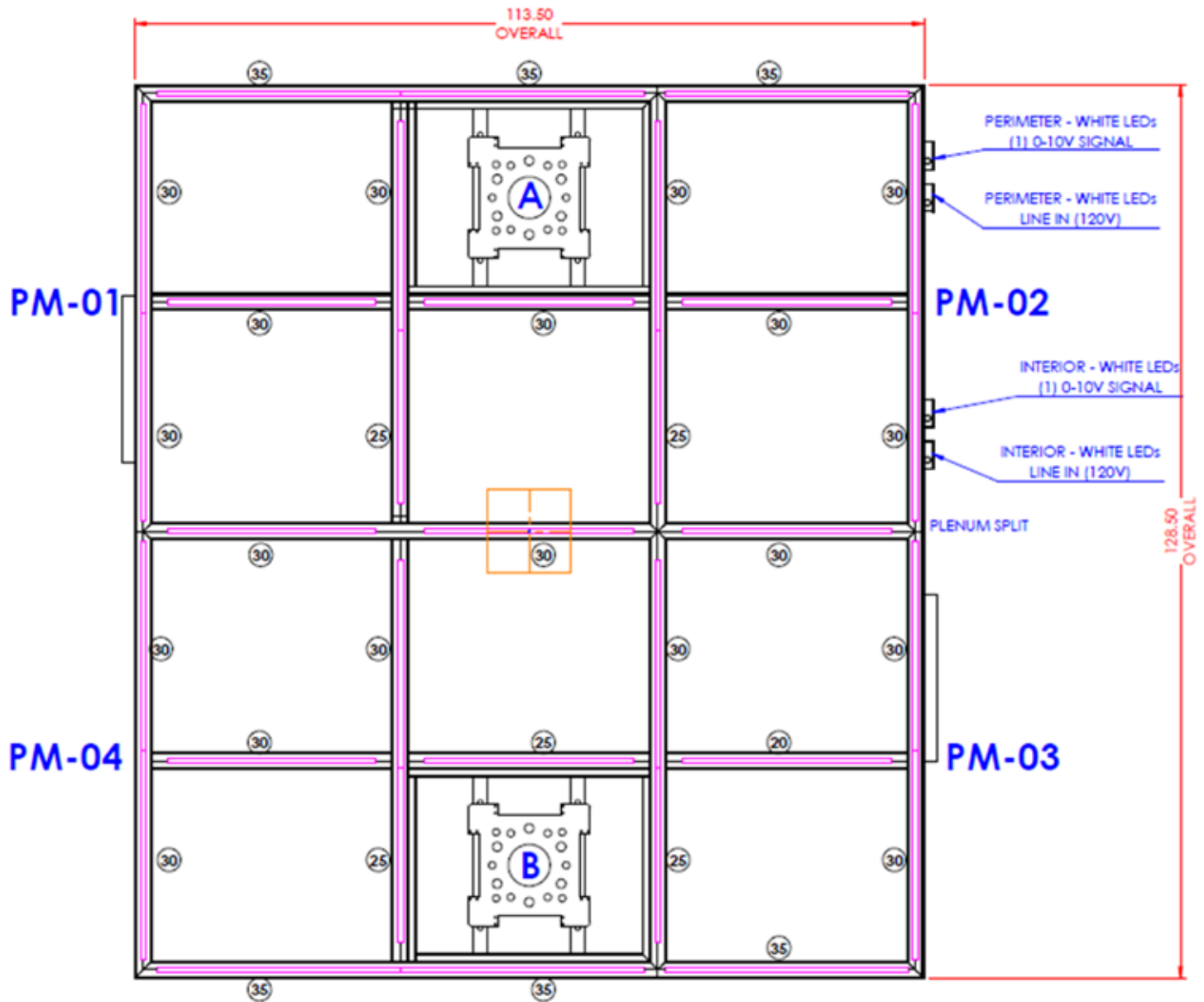


Head & Foot (12/6) Structural Hanging Points



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Head & Foot (12/6) Structural Electrical Layout



LED Location	LED Color	# of Drivers	Input Amps @ 120V	Output Watts
Perimeter	White - 5000K	8	4	480
Interior	White - 5000K	7	3.5	420
All LEDs		15	7.5	900

Per Driver - 0.50A @ 120V or 0.25A @ 277V
Per Driver - Measured operating Output Watts is 60W

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Head & Foot (12/6) Structural Air Design Specifications

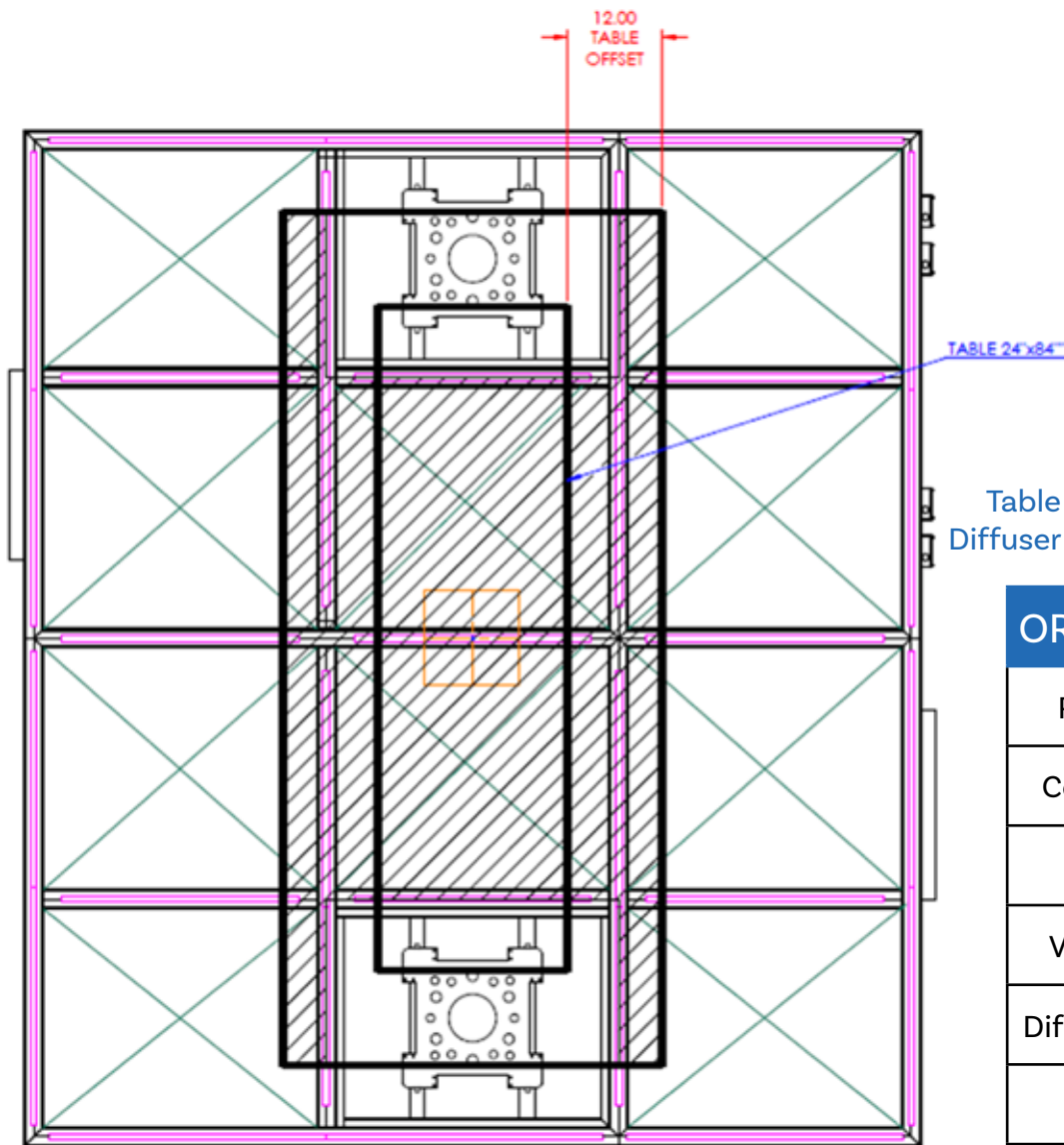


Table with Offset = 36.00 Sq Ft (100%)
Diffuser Area of Table = 27.25 Sq Ft (70.03%)

OR System Design Spec

Room Sq Ft	600
Ceiling Height	10'-0"
ACH	25.00
Velocity FPM	30.60
Diffuser FA Sq Ft	81.71
CFM	2500

Average Room System Range

CFM: 2043	CFM: 2452	CFM: 2860
Velocity: 25 FPM	Velocity: 30 FPM	Velocity: 35 FPM
Diffuser FA: 81.71 sq ft	Diffuser FA: 81.71 sq ft	Diffuser FA: 81.71 sq ft
ACH: 20.43	ACH: 24.51	ACH: 28.60



FreedomAire Clean Air Modular Ceiling System

Configurable, Modular OR Ceiling System

Engineered for flexibility, FreedomAire creates a clean, open operating room environment while simplifying construction, coordination, and future upgrades. The system integrates structural support and finished ceiling into one unified solution, helping facilities reduce build complexity and long-term costs.

- Integrated Structural System
- Modular & Scalable Design
- Supports Multiple Equipment Types
- Improved Construction Coordination
- Pre-Engineered & Tested
- Optimized Installation Timeline

Skytron innovations build on a 50-year legacy of creating patient and staff-centered environments that prioritize safety and efficiency. We take a consultative approach, actively listening to our customers' challenges and initiatives, enabling us to align our solutions to streamline processes, reduce risk, and deliver maximum value. Our dedicated network of local specialists provides a consistent experience, supporting you from initial design through implementation and ongoing support.



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