



Warehousing Solutions

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L-3 Communications

Deep Space Transmitter Cover
Westford, MA



Massachusetts Institute of Technology and L-3 were looking for a portable structure for a multi-year time period that could protect sensitive material being fabricated inside from the harsh weather conditions of northern Massachusetts.

Background

Massachusetts Institute of Technology (M.I.T.) and L-3, acting as a contractor for the Department of Defense (DOD), were looking for a portable structure for a multi-year time period that could protect sensitive material being fabricated inside from the harsh weather conditions of northern Massachusetts.



The structure needed to meet interior side wall heights of 34' while meeting all codes for a permanent building. This included a 90 mph wind load and 35 psf ground snow load.

The portability of the structure was important once the fabrication inside was complete. The structure had to be designed to be removed in a way as to not disturb the newly fabricated transmitter back structure assembly.



Scope of Work

A 140' wide x 160' long SFS-Montana Series structure with a 34' clear height throughout.



Solution

The team at Universal Fabric Structures recommended a 140' wide x 160' long SFS-Montana Series structure with a 34' clear height throughout. The structure was designed to be installed on a concrete pad and then removed on a proprietary track system allowing unencumbered removal and disassembly.



About L-3 Communications

L-3 Communications is a prime contractor in Command, Control and Communications, Intelligence, Surveillance and Reconnaissance (C³ISR), Government Services, Aircraft Modernization and Maintenance (AM&M) and has the broadest base of Specialized Products in the industry. L-3 is also a major provider of homeland defense products and services for a variety of emerging markets.

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About Universal Fabric Structures

Universal Fabric Structures (USA) is committed to providing high quality, cost effective, engineered fabric structure systems based on customer-driven needs. Established in 1983, the company has delivered on this commitment providing solutions for military, sport, industrial, and commercial and event applications. Projects include rapid-deploy, relocatable military structures, industrial enclosures (including rentals) for warehousing, aviation and environmental remediation, and commercial structures for correctional, worship, events and gaming applications.

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