



EXTECH's daylighting systems deliver the economical durability, sustainable construction, and adherence to strict building standards demanded by applications built for military use.

Our systems follow requirements set forth by the Unified Facilities Criteria (UFC), requirements of the U.S. Army Corps of Engineers (USACE), Navy Facilities Engineering Command (NAVFAC) criteria, and Air Force Civil Engineer standards. Our systems have the added value of being made in the U.S.A., manufactured in our Pittsburgh, PA factory.

## FEATURES AND BENEFITS

### RETROFITS & HISTORICAL PRESERVATION

EXTECH is experienced in retrofit projects that need to maintain the historical aesthetic, and we are familiar with the Army Historic Preservation Program.

### SAFETY & DURABILITY

Our systems are code compliant, available in class A fire rating, and are engineered with components that contribute to robust durability in the face of inclement weather and exterior forces.

### SPEED & EASE OF INSTALLATION

Systems are engineered for simplicity, reducing costs associated with installation.

### ECONOMICAL & LOW MAINTENANCE

EXTECH's daylighting systems are built for long-lasting value and a minimal need for ongoing maintenance – this results in long-term cost-savings.

### SUSTAINABILITY

The 100% recyclability of the polycarbonate glazing and aluminum framing lend to sustainable building design, as does the daylighting, which can help military structures substantially save on electricity costs.

### MADE IN THE USA

Our systems are manufactured in the USA in our Pittsburgh facility.

## TRANSLUCENT WALLS

Our LIGHTWALL® translucent wall systems were designed with the UFC in mind. Not only do they offer superior resilience outside of standoff distances, but they provide daylighting, which can help military structures reduce their energy consumption.

The LIGHTWALL 3440® polycarbonate interlocking wall system has been used in multiple military projects, including National Guard training centers, research and development facilities, and land ports of entry. The daylighting benefits coupled with the robust durability offered by our LIGHTWALL® systems make our LIGHTWALL® systems an optimal choice for applications seeking energy-savings, cost-savings, and long system lifespans. Additionally, the flexibility of our systems allow for quick and easy changes during the pre-design phase – our systems are fully customized to meet the needs of the structure and can be adapted to meet specific, niche requirements.



*LIGHTWALL 3440® at Battle Command Training Center in Ft Riley, KS*

## FIXED & OPERABLE WINDOWS

EXTECH's translucent wall systems can be fit to replace old windows, allowing for high performance and energy savings. When a fixed, non-operable window is needed for daylight, polycarbonate systems are an ideal solution. Not only do they diffuse daylight and reduce glare, but they offer better insulative values and safety over glass.

EXTECH's TECHVENT 5300® has helped many applications increase air flow, maximize energy efficiency, and harness natural daylighting. This top-hinged industrial window system is designed with the capability to stay open during normal rainfall so it can provide ventilation regardless of weather conditions. It is an ideal window system for military maintenance facilities, warehouses, vehicle bays, and aircraft hangars.



*Kirtland Air Force Base in Albuquerque, NM*

## SKYLIGHTS & CANOPIES

EXTECH's SKYGARD® skylight systems provide overhead daylighting and have been used in military applications to maximize internal illumination, reduce operating costs, and deliver energy-efficient upgrades without breaking the bank. Designed to meet requirements outlined in the UFC, they are highly impact and leak resistant, have superior load-bearing capability, and offer credits toward LEED certification. Due to the lightness of the materials, SKYGARD substantially reduces installation labor.

EXTECH's SKYSHADE® canopy systems deliver high-durability, UV protection, and a long system lifespan, among other benefits. The SKYSHADE® provides shading and protection for outdoor areas that need protection from the sun, superior load-bearing and impact-resistance for canopy systems around administrative facilities, and coverage for areas devoted to outdoor recreation, such as basketball, tennis, and handball courts.



SKYGARD® Skylight system in Hanscom Air Force Base, MA

## BID PACKAGE NARRATIVES

For architects and design firms bidding on Department of Defense or governmental projects, we can assist with the narratives required in the bid package. We also create detailed and easy to understand shop drawings, installation guidelines, extensive product information, and appropriate third-party test reports to confirm performance.

Additionally, EXTECH offers mock-ups during the bid process and before construction. Design teams often find mock-ups useful for lighting studies, or to review how our systems will integrate into adjacent elements. Installers find it beneficial to have a mock-up on-hand to better visualize how each system component is installed.



SKYSHADE® Canopies at NC National Guard Readiness Center



SKYSHADE® canopy at SAIC Future Combat Systems