WONDER BUILDINGS have a UNIQUE & COMPUTERIZED DESIGN that can provide a variety of highly effective and mobile shelters for the various specialized military needs. LOGISTICALLY, WONDER BUILDINGS have been packaged and shipped to the farthest and remote parts of the earth—including the South Pole Station, Antarctica! Keep it light, keep it simple, but keep it strong!

With over 55 years of proven durability, WONDER BUILDINGS are pre-engineered and modular to facilitate the quick and simple erection even in the most severe and adverse environments. WONDER BUILDINGS are found deep in the humid Jungles of El Salvador and Vietnam to the hot deserts of Saudi Arabia, and buried under snow as far the US Air Force Station in Greenland and the South Pole Station, Antarctica.
AIRCRAFT SHELTERS

SUN COVERS

Exposed aircraft in the Persian Gulf and other hot climates create a high risk for failure of electronic equipment due to extreme high temperatures. WONDER BUILDING SUN COVERS (DESERT SHIELDS) are thus necessary for F-15, F-16, and Stealth fighter jets, Chinook, Apache and Black Hawk attack helicopters, drones and other high tech fighter aircraft in order to protect the highly sensitive electronic equipment.

Unlike frame and fabric covers, WONDER BUILDING Aircraft covers are capable of having fighter craft UNDER POWER for any length of time without danger of damage to the structure or the aircraft.

US Troops at Eagle Forward Base Camp in Saudi Arabia have reported that without Sun Shades radio equipment has melted causing disruption of activities and shortage of spare parts. The Naval Reserve Air Station in New Orleans currently is one of the many U.S. bases that have selected WONDER BUILDING SUN SHADES to protect their F-15 investment from harsh area weather conditions.

PROTECT YOUR ELECTRONIC GUIDED MISSILES FROM THE SUN:

WONDER BUILDING Desert Shields can also be used in storing missiles that have sensitive heat seeking electronics. The moveable covers will also protect the sensitive weapon and support equipment of the F-15 under a secure environment. Since many airstrips were not designed to accommodate the vast number of fighter jets that may be mobilized under a military initiative, these heavy duty pre-engineered steel aircraft shelters can be temporary, semi-permanent or permanent shelters that are a must in the logistics and preventative maintenance program.
SECURED MAINTENANCE FACILITIES

WONDER BUILDINGS offer quick erection of a secured maintenance facility that can be equipped with interior lighting for night time maintenance work. They can be covered at both ends to keep sand and dust out of the exposed craft hydraulic and mechanical interior components.

In Greenland, WONDER BUILDINGS are used as fuel storage facilities for the US Air Force. In South America, Wonder Buildings serve as low-maintenance warehouses for the US Navy and various Latin American Air Forces.

REAL PROTECTION: Snow, Sandstorms, Earthquakes, ballistics, and other threats

WONDER BUILDINGS offer the maximum protection for sandstorms, blizzards, hurricanes, typhoons, and other harsh weather conditions, WONDER BUILDINGS can be designed to offer protection against 150+ mph winds and can be designed to have 60 PSF+ wind load ratings. Exposed aircraft are vulnerable to the fine granular sand working its way into the hydraulic system, but with the combination of rigid endwalls or netting this problem can be minimized.

Using heavier steel than rigid frame structures, WONDER BUILDINGS offer more protection against sand, ballistics, and other threats.
HELICOPTER and AIRCRAFT FACILITIES

WONDER BUILDING helicopter and aircraft buildings are already in use in remote areas such as the Military base in Attu on the Aleutian Islands, near the Russian border. WONDER BUILDING can provide hangar doors and endwalls in order to complete the facility to specification.

Because there are no trusses, supports, or posts, facilities can be easily reconfigured to alternate uses.
TRANSPORTABLE AND PANELIZED SHIPPING

WONDER BUILDINGS are STAND ALONE and easily TRANSPORTABLE in containers, trucks, or military transport. Boasting an extremely high strength-to-weight ratio, WONDER BUILDINGS can greatly reduce transportation costs over framed buildings. Panels nest on wood skids for efficient shipping.

WONDER BUILDINGS are pre-engineered and modular WITHOUT any INTERIOR SUBSTRUCTURE or any form of FRAMING MEMBERS that could collapse. WONDER BUILDINGS consist of MODULAR COMPONENTS that are broken down into easily handled galvanized heavy gauge (22 gauge to 10 gauge) corrugated individual steel panels. The panels are shipped in skids or can be containerized. They can then be easily shipped to their final destination in trucks, cargo planes, barges, or any other transport.

WONDER BUILDINGS are the best answer to having good, strong, semi-permanent facilities within a short time frame.

WONDER BUILDINGS are made from either Galvanized or Galvalume coated steel and are also available by special order in painted or galvaneal coatings, aluminum or stainless steel. Each modular panel is approximately 2 feet wide x 3 to 7 feet long double corrugated steel.
LIFTABLE AND STACKABLE BUILDINGS

WONDER BUILDINGS are liftable so as to be placed in strategic open air strips and for temporary ammunition storage protection. WONDER BUILDINGS can be assembled in a secured zone and then transported by truck or helicopter to the front lines to serve as a troop shelter or as a security storage facility.

WONDER BUILDING Liftable Buildings can be as wide as 92’ feet and 35’ high. Ten of these are used for temporary maintenance dry dock covers at General Dynamics Electric Boat division in Groton, Connecticut. Most recently, these buildings were built at a contractors yard, lifted, and transported by barge to the Electric Boat facility. All these buildings have insulation, lighting and sprinkler systems, thus converting an open dry dock into an enclosed, secured environmental fabrication facility that protects its contents from visual and satellite observation. These buildings were designed to be REMOVEABLE AND STACKABLE.
The strength of Wonder Building means the most efficient Hardened Shelter and Ammunition Shelter Designs. Earth covered Wonder Buildings provide camouflage, energy savings, or protective shelter. Wonder Buildings provide near-miss and direct attack shelters for aircraft, personnel or critical equipment use.

NATO and US DOD Approved
WONDER BUILDINGS are NATO approved and US DOD approved supplier of Protective Shelters and Hardened Aircraft Shelters. We have worked with all branches of the US Military to design, supply, and construct various types of military buildings and shelters. The NATO First, Second, and Third Generation Hardened Aircraft Shelter Liners are an original Wonder Building Design.

Wonder Building Testing, Research and Design includes:

- US Air Force Protective Shelter Development Program for Southeast Asian Installations (1960s)
- Project 1597, US Air Force Weapons Testing Laboratory
- ESKIMO Series of Tests for Ammunition Shelters (1971-1985)
- ASUP Tests, Hill Air Force Base, UTAH
- Tornadoic Missile Impact Testing, Texas Tech University Wind Engineering Laboratory (1997 and 1999)
ASSEMBLY AND ERECTION

WONDER BUILDING pre-engineered, pre-fabricated buildings can be assembled by unskilled labor under even the most adverse weather conditions. The buildings can be assembled by common troops on site without any types of cranes or welding. If necessary, basic buildings can be transported in sections to the front lines by Helicopters or even trucks as required with the help of our channel connectors. For the erection of the same, all that is needed is a basic nine man crew of unskilled labor, some scaffolding, and basic tools.

While power tools and a crane will speed construction immensely, the buildings can be assembled by simple hand tools.
American Shelter Technologies

One of our main goals at American Shelter Technologies is to create building solutions that combine quality with cost-efficiency. The unique design and durability of AST’s steel arch buildings, including our exclusive Wonder Building™, the pioneer in arch building technology, result in considerable cost savings to our customers without sacrificing quality or durability.

Let our Wonder Building take you from planning to reality in all your Specialty Aircraft Shelter and Military Building needs. Please inform us of your potential needs so that we can work with you to design your project, refer you to specialized engineering firms if needed for hardened or blast shelters, and to coordinate our production schedule to meet your time frame.

For more information, contact:

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WONDER BUILDING PRODUCTS
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Elgin, IL 60121-6503
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SELECTED LIST OF U.S. MILITARY USERS

NAVAL AIR PROPULSION CENTER, NEW JERSEY
U.S. AIR FORCE TEST AND TRAINING RANGE, UTAH
LEXINGTON-BLUE GRASS ARMY DEPOT, KENTUCKY
NAVAL WEAPONS CENTER, CALIFORNIA
NAVAL TRANSMITTER STATION, RHODE ISLAND
NAVAL SUBMARINE SUPPORT FACILITY CALIFORNIA
NAVAL AIR ENGINEERING CENTER, NEW JERSEY
NAVAL AIR STATION, LOUISIANA
NAVAL SPECIAL WARFARE GROUP, SOUTH AMERICA
MARE ISLAND NAVAL SHIPYARD, CALIFORNIA
KILAUEA MILITARY CAMP, HAWAII
EIELSON AIR FORCE BASE, ALASKA
U.S. NAVAL SHIPYARD, WASHINGTON
NAVAL AIR STATION, FLORIDA
LONG BEACH NAVAL SHIPYARD, CALIFORNIA
NAVAL BATTALION CENTER, MISSISSIPPI
CECIL FIELD NAVAL AIR STATION, FLORIDA
LUKE AIR FORCE BASE, ARIZONA
EGLIN AIR FORCE BASE, FLORIDA
WRIGHT-PATTERSON AIR FORCE BASE, OHIO
MAXWELL AIR FORCE BASE, ALABAMA
KIRTLAND AIR FORCE BASE, NEW MEXICO
AIR FORCE SPECIAL WEAPONS CENTER, NEW MEXICO
HOMESTEAD AIR FORCE BASE, FLORIDA

U.S. ARMY CORPS OF ENGINEERS, TRANSATLANTIC DIVISION (INCLUDING PEACE VECTOR IV PROJECTS)

SELECTED USERS IN FOREIGN COUNTRIES

PHAN RANG AIR BASE, VIETNAM
TURKISH AIR FORCE, TURKEY
MINISTERIO DE LA DEFENSA, EL SALVADOR
MINISTERIO DE LA DEFENSA, GUATEMALA
COMITE NACIONAL DE EMERGENCIA, GUATEMALA
CFE PLANTA NUCLEAR, LAGUNA VERDE, MEXICO
COMISION FEDERAL DE ELECTRICIDAD, MANZANILLO MEXICO
MINISTERIO DE SALUBRIDAD DE EL SALVADOR,
INDUSTRIAS CANIZ, GUATEMALA
HELICOPTER FACILITY, US COAST GUARD, ALEUTIAN ISLANDS

NIGERIAN INDUSTRIES
TANZANIAN FOREIGN WORKS
FUERZAS AEREAS DE CHILE
NATIONAL SCIENCE FOUNDATION
(Various facilities in Antarctica)
U.S. AIR FORCE RADAR STATION, GREENLAND
JEDDA, SAUDI ARABIA
DHAHRAN, SAUDI ARABIA
SHARJAH, UNITED ARAB EMIRATES
U.S. AND KOREAN AIR BASES, KOREA