

Structural Security for Mission Critical Technology & Assets



Structural security measures provided by iFortress mitigate the risks that cause over 50% of all mission critical failures

Modular MCF iFortress™

The Modular MCF (Mission Critical Facility) iFortress™ is a panelized, construction technology that is used to establish the most energy efficient data centers while mitigating disastrous risk including fire, smoke, water, hurricanes, EMF, RFI, break-in, explosions and the increasingly high cost of energy.

iFortress is a scalable, re-useable, re-locatable, LEED compliant energy efficient and "Green" (e.g. fabricated with recycled and recyclable materials, no dust in the creation of or in the field assembly of the panels) panel based system that can be rapidly field assembled joined with high tension interlocking devices every 2' on center and a core that is comprised of multiple layers of special purpose materials (Poly-Fortrex MT (Mutli-Threat) Core™). The entire system of floor, wall, and ceiling panels and all penetration management devices (PMD's) including the door and cable portals, is designed to provide a hermetically sealed, controlled environment that fully facilitates energy efficiency and "best practices". The system standardizes facilities with a repeatable structural set of panels that has been engineered, tested, and rated as a full assembly, designed to protect against a very broad range of threats. The entire enclosure is an air tight, water-tight, fire/thermal resistant, highly insulated (R 22) enclosure.

As iFortress can be deployed and operational in significantly less time than a conventional build - a quicker path to revenue/savings; reduces energy cost; turn key facilities can be leased, treated like furniture, tax benefits of a five year depreciation, etc.; it has been definitive proven that iFortress is the least cost, most beneficial option available for securing, owning, and operating a mission critical facility.

Benefits

Risk Mitigation—Environmental

- ◆ Fire, Water, Heat, Dust, Humidity, Smoke, Acrid Gases, RF, EMI, Theft, Vandalism, Explosions, and Construction Hazards.

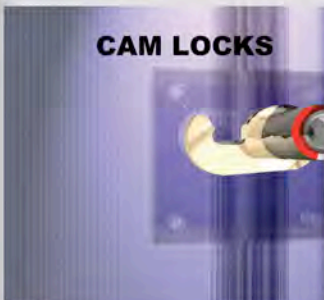
Risk Mitigation—Economic

- ◆ Provides significant off balance sheet financial and tax benefits..
- ◆ Be treated as an operating expense vs a capital expense for the first time.

Risk Mitigation—Human

- ◆ Deters unauthorized Entry
- ◆ Prevents Vandalism

**Modular & Scalable
 Hermetically Sealed
 SCIF Compliant
 Rapid Deployment**



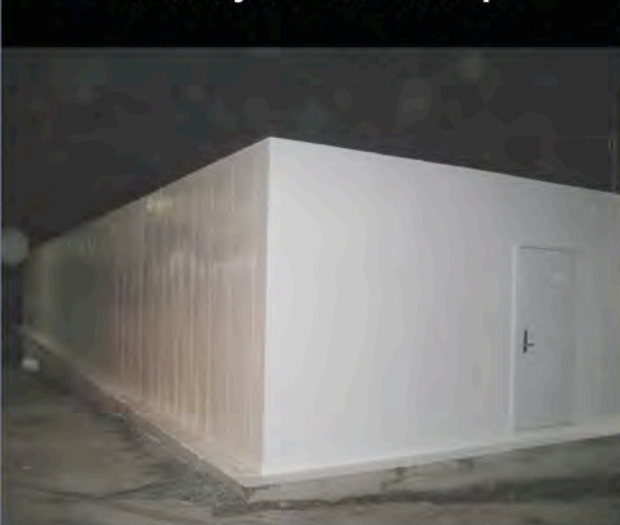
Rapid Deployment
End of Day One—MCF 2800 sq ft



End of Day Four—MCF 2800 sq ft



End of Day Six—MCF 2800 sq ft



Specifications

Specifications:

- ◆ Structural - IBC 2006 Exterior Building Code
- ◆ Roof Load – minimum 40 Lb/Ft²
- ◆ Wind Load – minimum 2 hour 75 mph sustained force
- ◆ Bending Stresses – minimum 13,000 lbs psi
- ◆ Seismic – Site Class D
- ◆ Sound Transfer Classification – minimum STC 30

Fire/Thermal

- ◆ Walls, Ceiling, Doors, Penetrations – Fully Rated Assembly against ASTM E119 - minimum 90 minutes
- ◆ Door NFPA 252 90 minute rating
- ◆ R value – Assembly – minimum r 22
- ◆ Hydro-dynamics/Permeability
- ◆ Airtight – NFPA 2001: Time (Size Dependent)
- ◆ Annually recertified
- ◆ Encapsulation – ASTM E 1795-97 *
- ◆ Mildew Resistant – ASTM D3273/3274 *
- ◆ Permeability – ASTM D 1653 *
- ◆ Weathering – ASTM G53/B 117 – Federal TT-C-555B *
- ◆ Humidity – ASTM D 4585 *
- ◆ ASTM E119 – Hose Stream Test

Warranty — Conditional Lifetime

- ◆ Annual recertified by Factory Authorized Agent
- ◆ Panel Dimensions: 2" W x 4' D x 8', 9', 10', 12' Height Options
- ◆ Interior Walls/Ceiling: Finish High reflectance white – minimum

Benefits Summary for iFortress:

- ◆ Modular – can be easily scaled into any size requirement. Secure - structural, fire/thermal, hydro-dynamic, and environmental
- ◆ Sustainable and Mobile - assemblies can be easily disassembled, moved, and reused. Rapid deployment - drastic reduction in path to revenue and/or savings.
- ◆ Repeatable Standards - consistent deliverable regardless of location or environment.
- ◆ Financially sound – turn key facilities can be leased as an operating expense with shortened depreciation schedules versus the capital expense of conventions construction with twenty year amortization.

Interior with Overhead Distribution

