

EFI ENCLOSURES

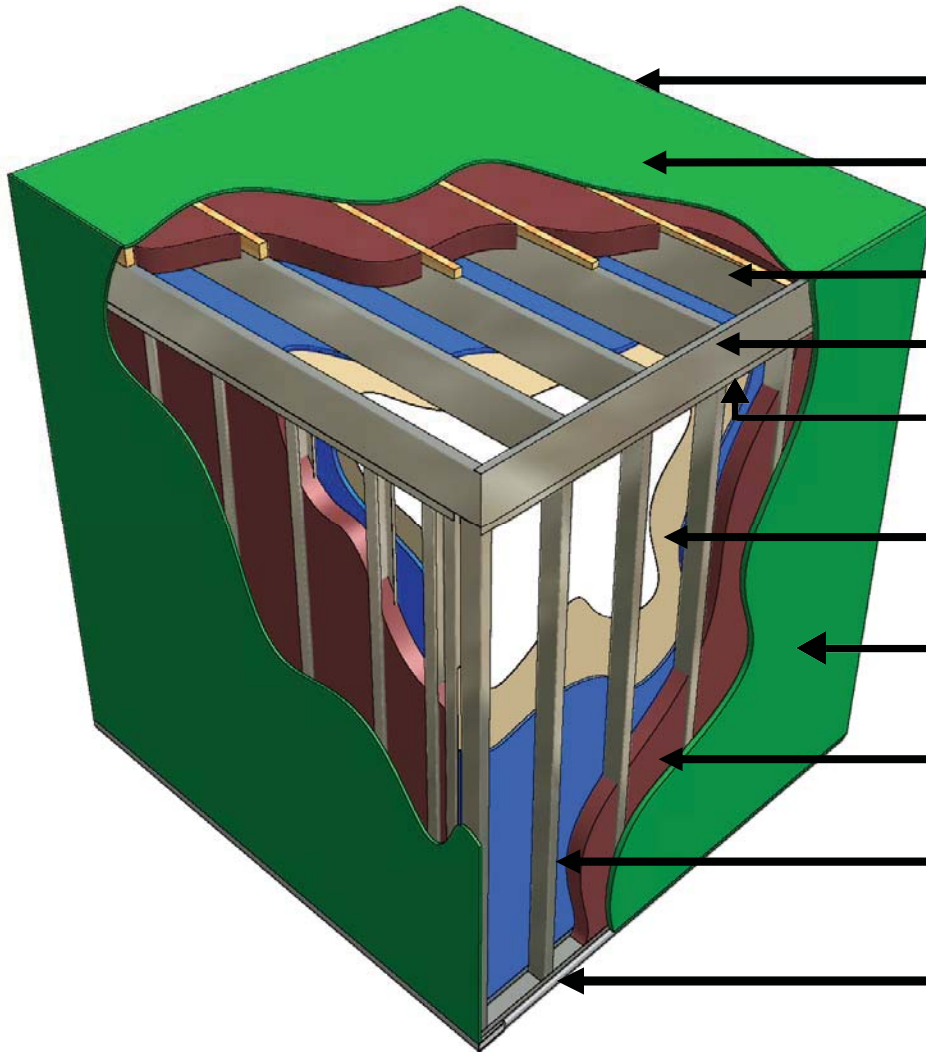
Factory-Built Modular Structures •



- Revolutionizing the Industry -



EFI Enclosure Cutaway: Construction Details and Materials



ENCLOSURE ELEMENTS:

- APA Rated Plywood Roof Deck
- 24GA. Metal Standing Seam Roof
- 8" Sloped Roof Joist
- 8" Rim Joist
- 3-5/8" Track
(Optional 6" Wood)
- .090" FRP Finish Over
APA Rated Plywood
- Finish of Choice over Vapor
Barrier & APA Rated Plywood
- Sprayed Polyurethane
Foam (R-6.8 Per Inch)
- 3 5/8" Stud, 16 Gauge
(Optional 6" Wood)
- 6" x 2" x 1/4" Steel Tubing
(6"x1" Aluminum Bar in Floorless
Option)

**See back cover for specifications and design criteria.*



Off-loading enclosure from EFI truck
with rigging supplied by EFI.

Location: New Haven County, Connecticut



Remote instrument enclosure
with 12" deep computer floor
and H2S filtered HVAC system.

Location: Kenai, Alaska



15' wide X 71' Long X 11' inside height
enclosure with metal roof.

Location: Sanford, Florida

ASTM galvanized steel framing members

WHY EFI ENCLOSURES?

- Multiple Compartments in One Enclosure
- Multiple Shipping Splits Available
- Single Enclosure Dimensions up to 16' x 62'
- Placement on Piers, Slab or Foundation Wall
- Available With or Without Floors
- Code Constructed
- Electrical and Mechanical Systems Outfitted
- Various Exterior Finishes
- Various Roof Shapes and Materials
- Distribution Available in All 50 States
- 10 Year Warranty Available
- State Modular Code Approval When Required

Every enclosure is custom designed



Utility enclosure designed for 150MPH wind load with standing seam metal hip roof and equipment hatches.
Location: Duck Key, Florida



Two-section, electrical equipment enclosure with 480V switchgear, MCCs, battery & UPS system.
Location: Paducah, Kentucky



Wind farm control enclosure with relay panels, UPS system and server room.
Location: Kern County California



Below grade steel electrical equipment enclosure for pump control switchgear. 14' wide X 51' long X 11'-9" inside height
Location: Thornton, Colorado



Electrical equipment enclosure with steel exterior walls.
Location: Savannah River Nuclear Site, South Carolina



Factory installed & tested diesel powered stand-by generator enclosure. Aluminum base floor structure.
Location: Lake Havasu, Arizona



Four-section, modular enclosure with medium voltage control room. 28' wide X 47' long X 14' inside height.
Location: Joplin, Missouri

Single enclosure dimensions up to 16' x 62'



Relay panel enclosure.
Location: Wichita, Kansas



Two-compartment, relay panel enclosure with standing seam metal roof. 21' wide X 64' long X 11' inside.
Location: Anchorage, Alaska



Substation control enclosure with standing seam metal roof.
Location: Anchorage, Alaska

Designed and Manufactured Per State Requirements

- ASCE 7-05 or 7-10 American Society of Civil Engineers Minimum Design Loads for Buildings and Other Structures
- International Building Code
- National Electrical Code
- AISI - Standard for Cold-Formed Steel Framing General Provisions
- Specific State Certifications/ Approvals as Required
- AISI - Specification for the Design of Cold-Formed Steel Structural Members

SPECIFICATIONS:

The Frame

At EFI, only the best materials are used to construct the enclosure. Galvanized steel studs, joists and channels are used in the framework.

Wall studs are 3-5/8" 20-gauge steel or 6" 20-gauge steel placed a maximum of 16" on center. Roof joists, placed 16" center, are 8" 16-gauge galvanized steel. All of the openings in the walls or roof are fully framed.

The Walls

Our walls are constructed by applying APA Rated Plywood to the exterior steel frame sub-structure. The exterior is then covered with 29GA. architectural steel panels available in a variety of colors. The interior steel sub-structure is covered with APA Rated Plywood which is covered with .090" FRP (fiberlgrass reinforced plastic). Sprayed Polyurethane Foam insulator is installed in the wall cavities to obtain an R-value of 21.

The Ceiling

The ceiling of EFI enclosures are constructed the same as the walls. The roof insulation has a standard R-35 value, and the roof can be flat or pitched. Ceiling joists are rated for various live and dead loads based on the site requirements and enclosure use.

The Floor

In most applications, the floor is 1/4" steel plate on a structural steel frame. The entire floor and substructure is grit blasted and coated with two-part Polyurea Spray Coating.

Exterior Finish

The standard exterior finish is 29GA. architectural steel panels applied over a APA Rated Plywood. All required openings are flashed for a weather tight seal. Many exterior finishes are available: vinyl, masonry, cement board, etc.

The Roof

EFI enclosures come standard with a 1/2":12" pitch roof consisting of APA Rated Plywood deck covered with 24-gauge standing seam architectural panels. Optional roof structures and coverings are available including:

Roof Options

- Shingled, Steel or EPDM
- Metal Standing Seam
- Roof Hatches
- Trussed Roof System - Hip or Gable
- Flat Roof for Field Installed Roof Structure

The Doors and Hardware

Single or double steel, optional aluminum, doors are provided flush or outset frames with locksets, panic hardware, windows and other options. Overhead doors are also available.

FOR ADDITIONAL INFORMATION, CONTACT: