



# Post-Frame Solutions



# Experience

- ▶ Proven success since 1981
- ▶ Local dealer/builders
- ▶ Design flexibility
- ▶ Lifetime structural warranty\*



EPS Headquarters, Graettinger, Iowa



Perryville, Missouri



Clyde, New York

Our engineering staff can solve your building needs using state-of-the-art design software. EPS buildings are reviewed and detailed by on-staff engineers.



EPS utilizes state-of-the-art truss manufacturing lines including this laser-guided production system.



EPS nail laminated column machine manufactures straighter, stronger and longer lasting columns than conventional solid posts.



Automated sawmills cut lumber for the truss lines.



# Proven Results

**E**nergy Panel Structures, Inc. was established in 1981 and is an employee-owned division of the MacArthur Company, St. Paul, Minnesota, (founded in 1913). EPS is one of the fastest growing building manufacturers in the U.S. with over 175,000 square feet of manufacturing area on 15 acres headquartered in Graettinger, Iowa. EPS manufactures, complete building packages for post frame and SIP construction.

EPS manufactures trusses, steel trim, and columns from an all new, modern facility in Perryville, Missouri.

An additional manufacturing plant is located in Clyde, New York where post frame buildings and structural insulated panel buildings are produced.

## Employee-owners

Our commitment to cost-effective pre-engineered building systems has led to unprecedented growth. EPS is known for a diverse market of products from agricultural, commercial, residential and industrial building systems.

With an independent dealer network of over 400 building professionals, EPS serves all of the U.S. except the far west and southwest states. EPS will completely engineer and manufacture your building to your specific needs.



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## Our promise

EPS considers these basic elements in our buildings unique to the industry:

- Cost effective design
- Local dealer/builders
- Engineered value



## How EPS is Different:

### Cost Effective Design

EPS offers a wide range of product designs at very competitive prices. From 4' on center to 12' on center and from 20 lb. to 200 lb. snow loads—EPS has you covered.

### Local Dealer/Builders

Over 400 local professionals serve as independent authorized EPS builders to give you the complete service and attention to detail you deserve.

### Engineered Value

EPS pre-engineered buildings are evaluated for cost effective solutions, maximum performance and spans.

Every customer will receive an engineered structure that as designed will support wind and snow loads as specified. EPS designs each structure according to the 2012 International Building Code, (IBC).



Warranty includes\*:

- The pre-engineered building package will be engineered to meet the snow and wind loads specified for the building for the life of the building.
- Fifty-year warranty for treated structural posts for termite damage and fungal decay.

Talley Ruhle Stable Barn  
36' x 84' with 36' x 30' Annex  
Riegelville, PA  
Henning Construction





# Post Frame Advantages

► Embedded post foundations can be more easily installed during winter construction than pouring concrete foundations.

► There is greater design flexibility when using post frame construction techniques.

For example:

—Long span trusses create large building open areas without the need for interior load-bearing walls.

—Wide post spacings create flexibility for large wall openings.

► Building system cost savings are considerable. Savings can be realized in: materials, labor, the use of more cost-effective construction equipment, lower interest costs due to quicker erection, less building maintenance and energy savings.

► State-of-the-art engineering is built into our post frame construction providing dependable guaranteed performance.

► Site preparation is easy and post-frame structures are very adaptable to problem sites such as steep slopes and flood plains.

## Durability

Our post frame construction uses nail-laminated columns that are placed in direct contact with the ground or on top of concrete. These laminated columns are pressure treated with preservatives approved by the Environmental Protection Agency to increase their longevity. EPS columns carry a 50-year warranty\* and are custom engineered and manufactured for your project.



**Miracle of Birth Center**  
Minnesota State Fair



**Glenwood Mini Storage**  
40' x 190'  
Norfolk, NE  
Crafts, Inc.

- Design Flexibility
- Wider Clear Spans
- Cost-Effective Design
- Single Source Supplier
- Local Dealer/Builders
- Proven Satisfaction



# From Start



EPS Buildings are constructed by Authorized Independent Dealers.



3- or 4-ply laminated column on concrete or in ground and have a 50-year warranty.



Exterior track cover protects the door system.

Optional EPS Dutch door in multiple color combinations.



Steel Rails in Doors for superior performance in large openings. Sliding doors have a 5-year warranty for an IBC wind load.



EPS truss to column connections are center mounted and bolted for superior strength.



# To Finish

Roof system designed for unbalanced snow load reducing snow drift issues.



Variety of overhangs for looks and ventilation. Optional ridge ventilation.



Andersen or Silverline windows with EZ Fit Trim available.



Nail-laminated column. Poured footings with uplift blocks for better foundation.



## Wall Girts:

Standard: Flat mount. Optional bookshelf girts.

EPS continuous end wall columns to truss top chord connection provides a stronger gable end wall. Also engineered cross bracing and truss "T" bracing, results in extra protection for long term strength and durability.



Lean to designs come with truss or rafter designs for a multitude of uses



Roof purlins can be installed between roof members in hangers or on edge across top of framing roof members. Shown in hangers.



# Versatile

EPS can provide a variety of building systems for agricultural, home, commercial and industrial applications.



1st Place  
NFBA Equestrian  
under 5000 sq. ft.



1st Place  
NFBA Livestock  
Facilities



2nd Place  
NFBA Housing/  
Homes/Residential

2nd Place  
NFBA Institutional  
Buildings



1st Place  
NFBA Building of  
the Year





## EPS 29 ga. Steel Layer System

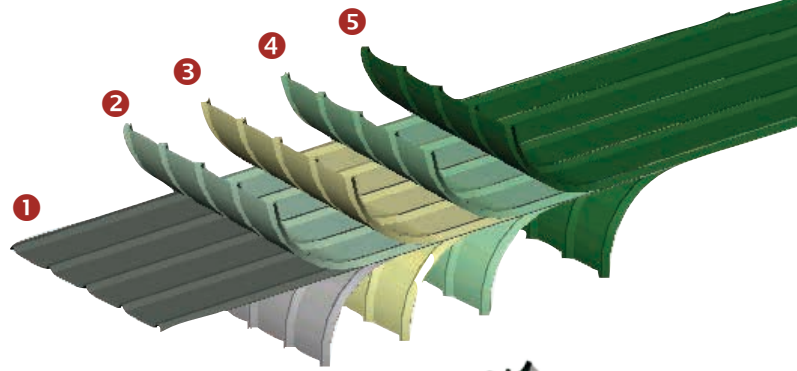
EPS roll forms our own steel. We utilize computer controlled instruments to achieve exact matches of measurements, color and uniformity. EPS paint coating carries a 40-year warranty for chipping, cracking or peeling..

- ① ASTM A446, Grade "E" full-hard, G-60 and G-90 available in all colors. Check plant for availability.
- ② Zinc coating guards against corrosion.
- ③ Pretreated film provides superior adhesion of the primer.
- ④ Urethane primer provides additional corrosion protection as well as ensuring permanent bonding of the finish coat.
- ⑤ Siliconized polyester finish coat adds fade-resistant color and long-lasting protection.

High rib steel is an option for buildings that have lower pitched roof systems. The ribs are 1-1/4" tall. The ribs are 11.33" OC and the steel has 34" wide coverage. Includes #10 x 1-1/2" screw with 5/8" wide oversized washer.

The paint systems utilized by Energy Panel Structures, Inc. are based on unique polyester and silicon polyester resins that are not sensitive to moisture but are extremely flexible. All paint systems employed are designed for longer lasting color and the reduction of white rust corrosion. The paint systems are used in architectural, commercial, and agricultural building panels.

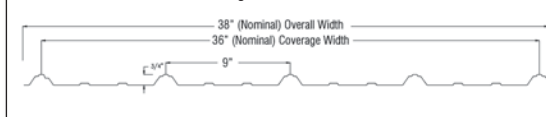
All of the colors have been rigorously tested for performance using the highest standards as set by the National Coil Coaters Association as well as ASTM standards. The tests illustrate that the paint systems utilized are superior to the control standards for film integrity, chalk and fade. We offer a complete coating system, with primers and backers designed to provide optimum field performance in terms of adhesion, fabrication capability, resistance to abrasion and long-term corrosion resistance under normal conditions.



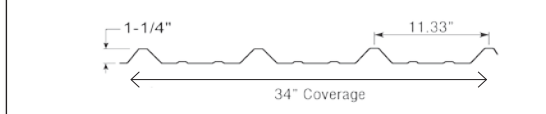
EPS uses all color-matched screw fasteners on our walls and roofs that carry the same warranty as the paint on the steel.

Wall and roof steel roll former up to 48' length

EPS Standard Rib Steel Panel Configuration



EPS High Rib Steel Panel Configuration



Two 3-line trim roll form machines with mandrel 10,000 lb. uncoiler, coil car and cut to length slitter. EPS also uses three different break presses and standard trim are all hemmed for added strength and aesthetics.



Trim roll formers from 10 to 30 feet



# Flexible

## You want it. We'll design, engineer and manufacture it!

EPS offers a complete product line and accessories to solve your building needs.



### MEP Farms, LLC

Farm storage, repair shop and office  
Dickens, IA  
Elbert Construction

- ▶ Clear spans to 100 feet
- ▶ Eave heights to 22 feet
- ▶ Deep fascia overhangs available
- ▶ Mansards, hip roofs or custom designs
- ▶ 6' to 12' on center bay spacing
- ▶ Columns embedded or on concrete
- ▶ Purlins over the top or in hangers
- ▶ Girts flat or box framed



### Seneca Foods

Machine Storage • 72' x 200' x 18'  
Montgomery, MN

## Rafter barns:

- ▶ Eliminates all horizontal members in roof
- ▶ Flexible and low cost design
- ▶ Variety of ridge venting and curtain options available
- ▶ Eavelight solar panel gables
- ▶ Open air design maximizes air flow



## Ladder frame:

- ▶ Cost-effective
- ▶ Quick to construct
- ▶ Accommodates vertical or horizontal siding





# Accessories

## From top to bottom and everything in between!

Our custom accessory department will complete your EPS building project with many standard features and all of the optional features you select.



Cupolas & EPS Weathervanes  
with numerous top ornaments

Dutch Doors



Wainscot

Porches

Mansards

**PLYCO**  
CORPORATION

**Doors**  
Custom colored doors with  
window grids & hardware.  
[www.plyco.com](http://www.plyco.com)



Locksets

Wide range  
of locksets  
available



### EPS Sliding Doors

- Color-matched steel horizontal rails available
- Extruded aluminum vertical & bottom rails
- Delco wheel trolley system
- Lifetime warranty on track and hardware
- 5-year door warranty for IBC wind load
- Sabre latch available



**Moderra**  
concrete siding

For mortarless wainscot and  
easy installation.  
[www.moderra.com](http://www.moderra.com)



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by Andersen

Andersen WINDOWS • DOORS

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windows. All custom sizes and colors with  
ENERGY STAR qualified R-Values.  
[www.andersenwindows.com](http://www.andersenwindows.com)



# Simply Better Buildings

**From ag  
storage, to:**

- Personal shop
- Suburban
- Riding arenas
- Commercial
- Your custom design



## EPS LOCATIONS:

Energy Panel Structures  
603 N. Van Gordon Ave.  
Graettinger, IA 51342

Energy Panel Structures  
Perryville, MO 63775

Fingerlakes Construction  
Clyde, NY 14433

**Learn more:**  
**[epsbuildings.com](http://epsbuildings.com)**

**Phone:**  
**712-859-3219**



## INDEPENDENT AUTHORIZED BUILDER:

*100% Employee Owned—100% Committed to Quality*

