

Buildings That Work **On The Farm**



- Shop/House Combos
- Machine Storage
- Workshops
- Livestock Buildings
- Horse Barns





With nearly 40 years of building experience, EPS is very confident in our manufacturing process and in the long-standing relationships we have with our suppliers. We strive to provide our dealers and customers with products in which they can be confident, and therefore provide an extensive warranty covering our building products.

A summary of the warranty includes:

- Guaranteed to be engineered to meet wind and snow loads
- 20 year warranty on Structural Insulated Panels (SIPS)
- 1 year warranty on all EPS parts and other products

For EPS suppliers and EPS fabricated materials:

- Lifetime borate treated framing lumber
- Lifetime Supa-Timber® products
- 50-year structural columns
- 40-year EPS roll-formed painted steel
- Limited lifetime warranty on painted screws
- 20 year Expanded Polystyrene Core foam
- 5-year A.J. commercial/agricultural walk doors
- 10-year Sequentia Fiberglass Reinforced Plastic
- 5-year Plyco sliding doors, 90 mph wind

All warranties are governed by the terms and conditions contained in the attached Owner Original Warranty. Buyer should carefully read all terms and conditions to fully understand the scope and coverage of the Owner Original Warranty. Certain restrictions apply and are responsibilities of owner & contractor. See your EPS Dealer for more details



Buildings That Work **On The Farm**

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

ADDITIONAL MANUFACTURING PLANTS
Perryville, MO Clyde, NY

Phone: 712-859-3219

100% Employee Owned—100% Committed to Quality

A Pre-Engineered Building

Why?

► Bigger Buildings

- Today's equipment and machinery is bigger requiring wider, open spans.
- The building must be structurally able to handle wider door openings.
- Livestock sizes have increased substantially.
- Heated workshops provide comfort and convenience.

► Convenience, Efficiency and Safety

- Workshops are designed for climate control and ease of use.
- SIPs offer proven energy efficiency.
- Provide for return on investment by protecting machinery and equipment.
- Designed to control ventilation needs for manure, disease and mold.
- High performance.
- Preferred by insurance companies.

► The Entire Package

- Whether it is a post frame or SIP building, the entire package is engineered—not just individual pieces.
- Engineered to code for specific snow and wind loads with special attention to bracing.
- Streamlines the entire process from planning through building.
- Identifies potential for problems ahead of time.

What Separates EPS from the Rest:

Engineered Value

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

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

See actual warranty for details and conditions.

Cost Effective Design

EPS offers a wide range of product designs at very competitive prices. From 6' 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 dealer/builders serve as independent authorized EPS dealers to give you the complete service and attention to detail you deserve.



Post Frame Buildings

Advantages of Post Frame:

- ▶ 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.

*See actual warranty for details and conditions.



Buildings that are Versatile

From ag storage to:



- Personal shop
- Garage/man cave
- Livestock
- Your custom design



- ▶ Design flexibility
- ▶ Wider clear spans
- ▶ Cost-effective design

- ▶ Single source supplier
- ▶ Local dealer/builders
- ▶ Proven satisfaction

What our customers say:

EPS:

I have known Denny Morgan for many years and have some EPS hog barns that are now 20 years old. So, it was an easy choice for me when deciding what type of building to use for my new storage and shop building.

What I hadn't planned on, was that the project would grow from the start to include a recreational room with a loft. This area has been finished off and will be a great space for my family to enjoy in all seasons.

Denny has a concern for the quality of the building and watches over every detail. He builds it as if he is building it for himself. He is very conscientious and makes sure that everything is done correctly.

The energy efficiency offered by the EPS Sip panels was a big factor in the construction of my shop and the added family space. We know this will provide great efficiency for many years to come.

Sincerely,
Paul Eilertson

Ag Shop/ Storage Building



60' x 72' Solid Core Shop
60' x 104' Post Frame Storage
36" x 44' Solid Core Rec Room
Bricelyn, Minnesota

Buildings That Work For You.

We'll design, engineer and manufacture it!



- ▶ 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



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
- ▶ Can accommodate vertical or horizontal siding



Farms are Different.

Our Flexible Building Designs Fit Your Needs.



HORSE BARNS

Your new building can provide any range of custom designs:

- A large clear-span riding arena
- Truck and trailer storage
- Office or living quarters
- Comfortable horse stalls





DAIRY BARN

Natural Ventilation

The “state-of-the-art” LVL rafter barn gives you the maximum in natural ventilation. A variety of ridge venting and curtain options keep your cows comfortable in all weather conditions.

The rafter system eliminates all horizontal members. Unlike a truss, the rafter system will give you a cleaner bird-free environment. Rafter designs also give you clean air flow in the multi-row, cross ventilated and tunnel ventilated barns.

The optional solar panel gables and opaque curtains offer a bright and airy atmosphere.





LIVESTOCK

Choose from:

TCE = Total Controlled Environment

WW = Air Assist Warm Wall

CW = Air Assist Cold wall

SB = Custom Stick Built Packages

Accessory = Panel Packages



Exclusively manufactured by EPS:

- Division wall packages
- Ceiling packages (including pop-up)
- Panelized walkways
- Dura-Doors
- Glas-Panel
- Roll-formed steel and trims
- Fibervent eave doors





- Breeder Barns
- Pullet Barns
- Layer Barns
- High-rise
- Stack Deck
- Organic
- Cage Free
- Egg Production
- Turkey Starters
- Turkey Finishers
- Manure Barns
- Generator Building





CATTLE BARNS

Advantages of Mono-slope

Improved performance

- Improved finished weights
- Improved rate gain and feed efficiency

Cattle friendly

- Shelter from extreme weather
- Shade in summer
- Natural ventilation

Improved operations

- Better working conditions
- Easier manure containment and management
- Fits deep pit, deep pack bedded or scraper/flush

Custom design and engineering

- Snow loads to meet or exceed building codes
- Withstands 90 MPH in a B-exposure
- Any length or width to fit your needs



Building Options

Clear span or interior columns

- For wide widths

Roof support

- Open web trusses
- Glue-lam beams
- Nail-laminate column

Roof insulation

- Drip Stop
- Bubble pack
- Solar Guard
- Tuff Roll

Accessory buildings

- Hay and commodity barns
- Cattle sorting and handling
- No job too big or too small



GREAT COMBINATIONS!

Shouses: Shop/House Combo

The flexibility of EPS building packages mean it's easy to build for your unique lifestyle. Combine a post frame storage area with a living space, office, play space or workshop built with structural insulated panels. These combinations allow you to take advantage of the benefits of both building types, engineered to fit together in one building package.



Ladder Frame Buildings



- 2" x 6" and 2" x 8" Wall Framing, 4' o.c.
- 4' o.c. Trusses with 2-ply columns
- Roof purlins, 2" x 4" flat-24" o.c.
- 24" o.c. Ladder Girt Spacing



- ▶ Faster and easier to frame
- ▶ More competitive than conventional building designs
- ▶ Ceiling is faster using 4' o.c. spacing
- ▶ Vertical steel exterior and interior steel siding
- ▶ Reduces additional framing labor and materials
- ▶ Easy to add future insulation
- ▶ Easier header and opening installation
- ▶ Fully guaranteed with warranty

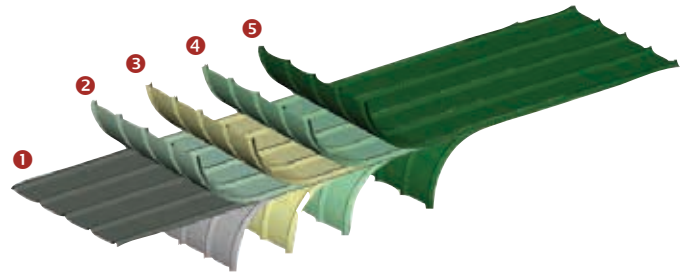
Like all EPS designs, this Ladder Frame Design is Pre-Engineered and can be tailored to your needs in a Quality, Cost-effective Building Solution for you!

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.

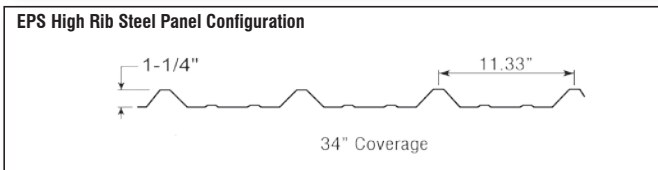
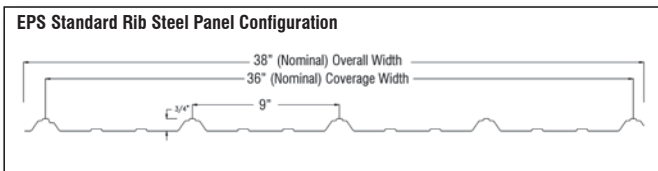
- ① ASTM A446, Grade "E" full-hard, G-60 and G-90 available in all colors. Check plant for availability.
- ② Zinc coating guards against corrosion.
- ③ Pretreated film provides superior adhesion of the primer.
- ④ Urethane primer provides additional corrosion protection as well as ensuring permanent 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.



Trim roll formers from 10 to 30 feet

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

Wall and roof steel roll former up to 48' length



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

Simply Better Buildings



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.



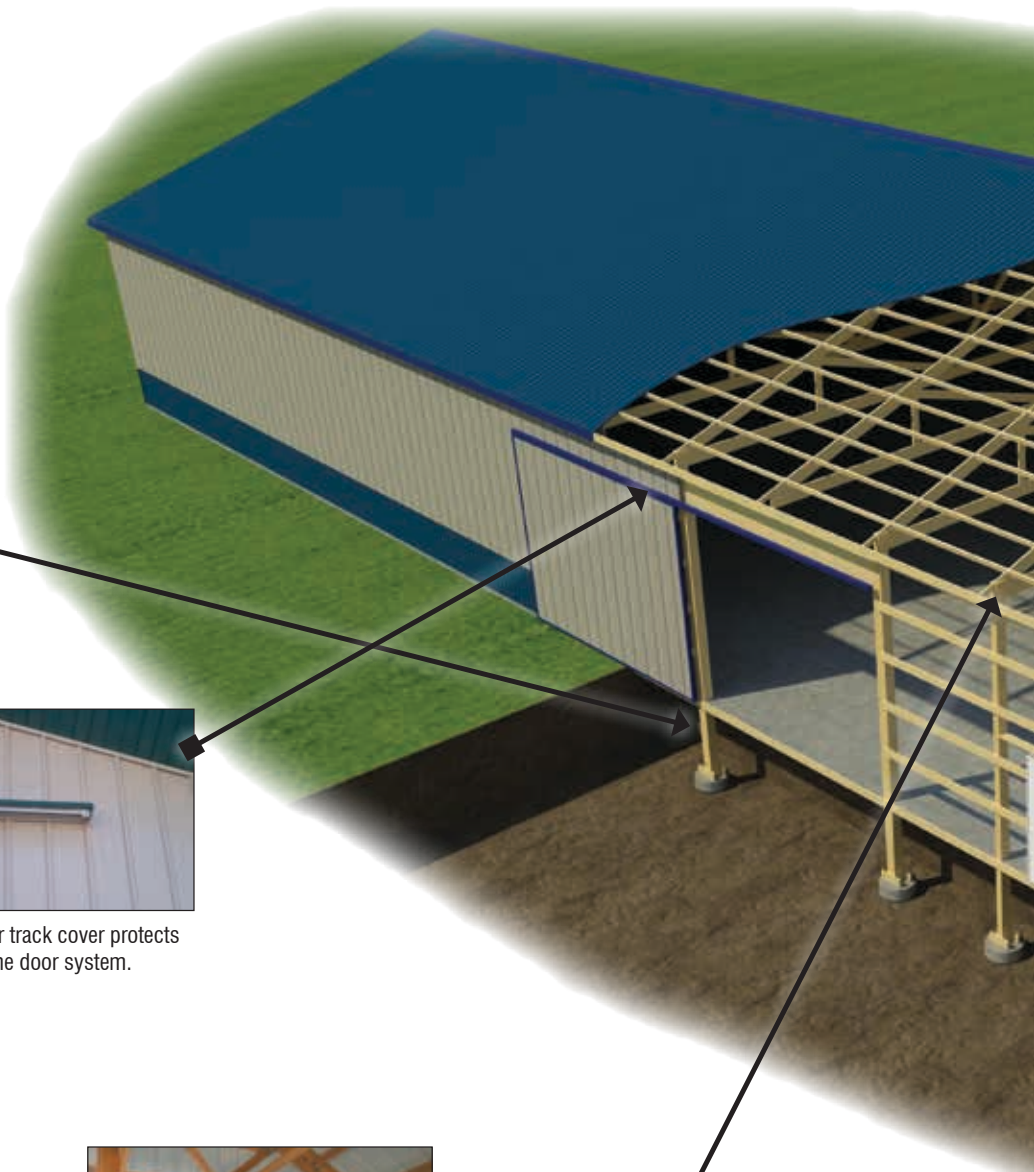
Optional EPS Dutch door in multiple color combinations.

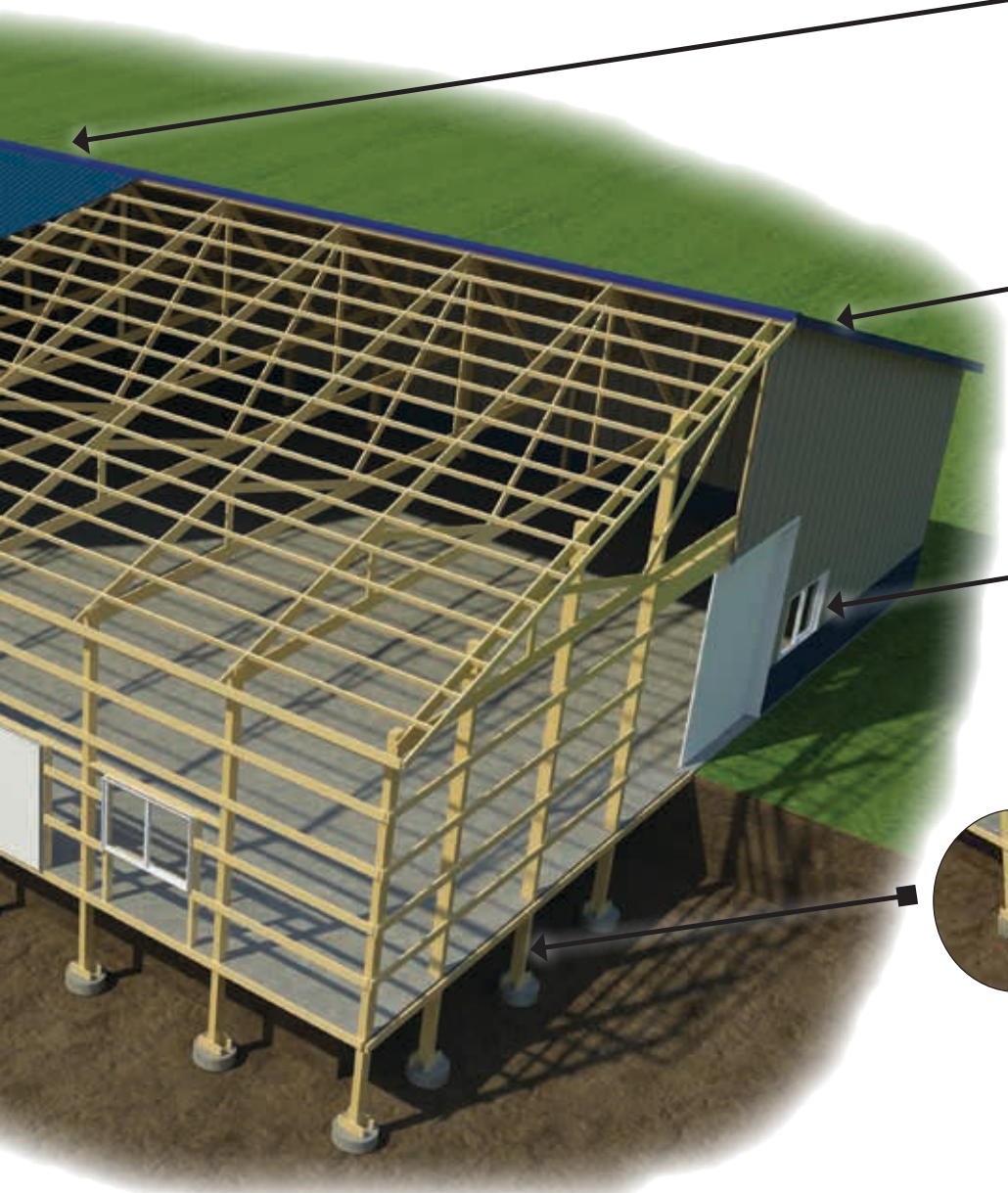


Steel Rails in Doors for superior performance in large openings. Sliding doors have a 5-year warranty for an IBC wind load.



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





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



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



Anderson, Silverline or AJ 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.



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



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

Solid Core Buildings

Built with Structural Insulated Panels



Structural insulated panels are high-performance building panels used in exterior walls, roofs and floors. The panels are made by sandwiching a core of rigid foam insulation between two skins of wood structural panels, typically oriented strand board (OSB).

SIPs Save Energy

The insulating core of a structural insulated panel provides high-density continuous insulation. SIPs are up to 15 times more air-tight and when combined with other energy efficient technology are 50% more energy efficient than stick building.

SIPs Save the Environment

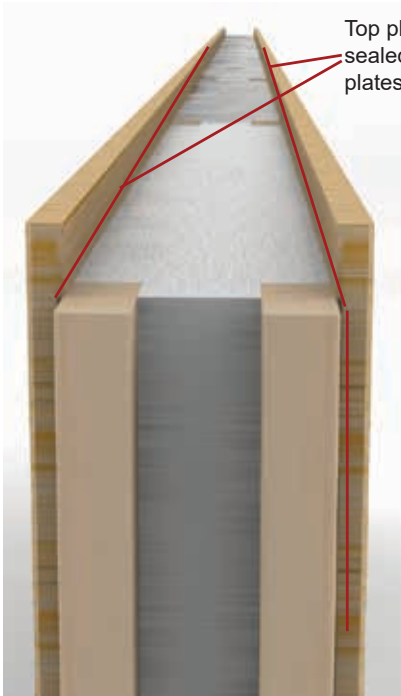
SIPs are both energy efficient and an efficient use of resources, making them an ideal choice for a high-performance green building.

SIPs Save Time and Labor

SIPs are ready to install when they arrive at the job site, eliminating the need to perform the individual operations of framing, sheathing, and insulating stick-framed walls. This saves builders a significant amount of on-site labor.

SIPs Save Money

Money is saved by a shorter building cycle of the structure. Quick completion translates to lower loan cost overhead. Job site waste-disposal costs are reduced because SIPs are fabricated off-site.



Top plates are sealed to panel plates and splines



The wall panels are typically joined using two 2"x 4" spline studs cut to size and then inserted vertically between the panel assembly every four feet.

The panels are routed top and bottom to lock the sill and top plates to the panel system.



Buildings Engineered for Performance

Our Solid Core System starts with high performance rigid foam insulation chemically bonded to oriented strand board or plywood.

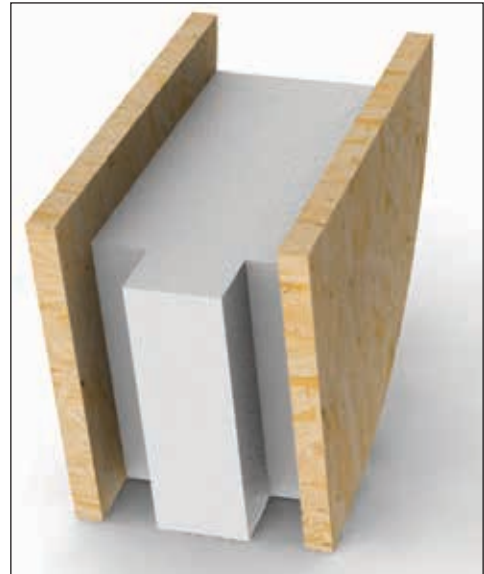
Depending on the size and needs of the structure, the thickness of the foam is adjusted to increase R-value. In addition, the thickness of the OSB or plywood is also adjusted for larger clear spans and buildings.

Multiple finish options

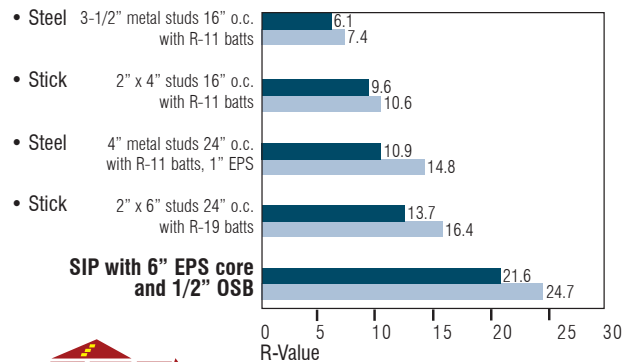
The 3/4" OSB offers increased 15-minute thermal barrier, sound control, and strength for superior performance. EPS offers several main types of finishes: Laminated glass board, Fiber-Reinforced Plastic (FRP), liner steel or embossed aluminum can be used for durability and power washing and USDA finishes.

Ceiling options include: R-33 pop-up panels with interior glass board or embossed aluminum finish; corrugated steel panels with blown in insulation or drywall with blown-in insulation.

You can choose from several cost effective, energy efficient, options to fit your needs.



COMPETITION

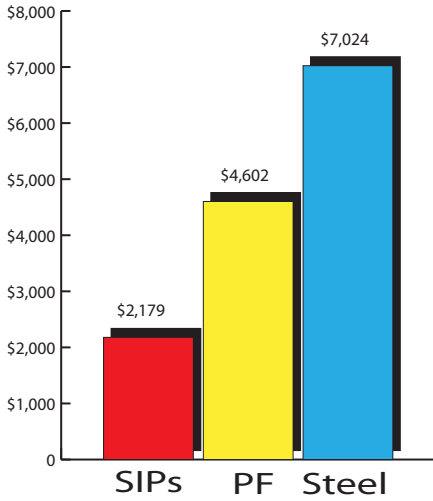


■ Whole Wall = Clear wall area plus corners, foundation & windows
 ■ Clear Wall R-Value = Only the center section of a wall

Source: OAK RIDGE NATIONAL LABORATORY

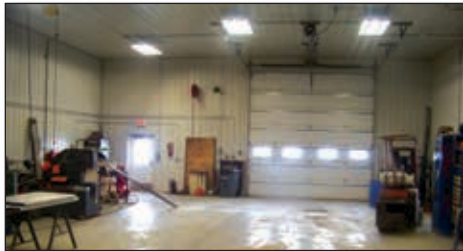


Performance Comparisons



Welding shop, Sioux Falls, SD, 40 x 60 x 16
Heat source: In-floor heat and electric boiler

ESTIMATED ANNUAL HEATING COSTS



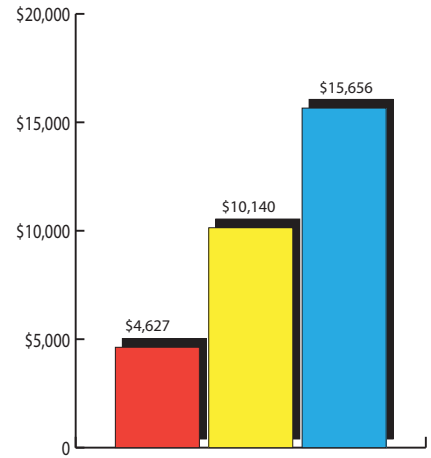
ESTIMATED ANNUAL HEATING COST COMPARISONS

FUEL/ EFFICIENCY		TYPE	SIP	POST FRAME	STEEL
NATURAL	94%	CENTRAL FORCED AIR	\$1,470.44	\$3,104.75	\$4,739.06
GAS	94%	ZONED HYDRO-AIR™ HEAT	\$1,251.21	\$2,641.85	\$4,032.50
1.10/therm	94%	ZONED RADIANT FLOOR	\$1,088.01	\$2,297.26	\$3,506.52
ELECTRICITY	100%	CENTRAL FORCED AIR	\$2,945.38	\$6,218.99	\$9,492.59
.08 kw	100%	ZONED HYDRO-AIR™ HEAT	\$2,506.24	\$5,291.78	\$8,077.31
	100%	ZONED RADIANT FLOOR	\$2,179.34	\$4,601.55	\$7,023.75
PROPANE	92%	CENTRAL FORCED AIR	\$2,089.72	\$4,412.31	\$6,734.90
1.40/gallon	92%	ZONED HYDRO-AIR™ HEAT	\$1,778.15	\$3,754.46	\$5,730.77
	92%	ZONED RADIANT FLOOR	\$1,546.22	\$3,264.75	\$4,983.28

Figures are estimates only and may vary depending on climate zone. Does not represent a guarantee of performance.



Farm shop, Brookings, SD, 76 x 64 x 18
Heat source: In-floor heat and electric boiler



ESTIMATED ANNUAL HEATING COSTS

ESTIMATED ANNUAL HEATING COST COMPARISONS

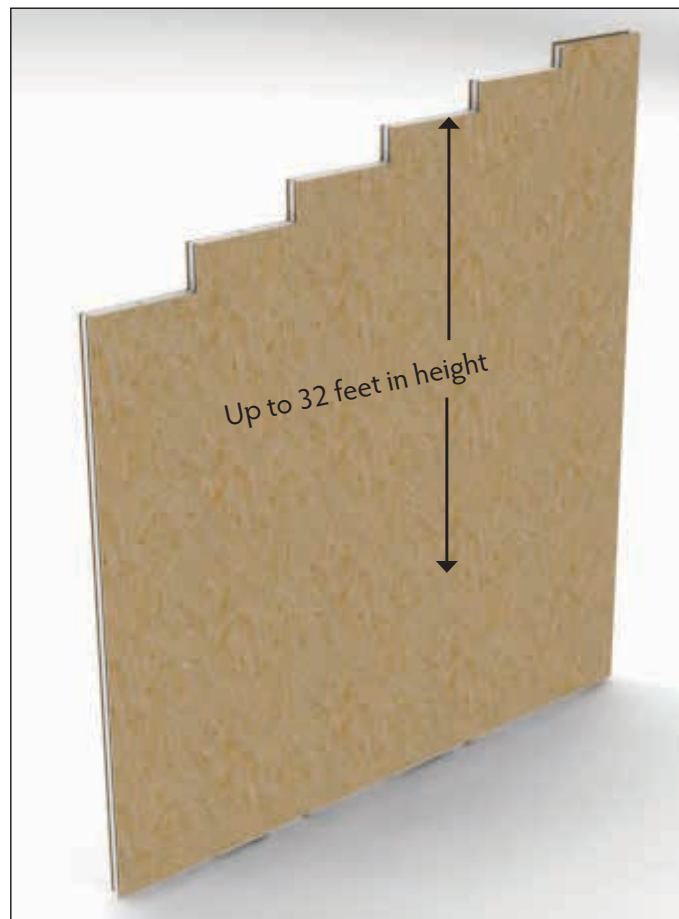
FUEL/ EFFICIENCY		TYPE	SIP	POST FRAME	STEEL
NATURAL	94%	CENTRAL FORCED AIR	\$3,122	\$6,842	\$10,564
GAS	94%	ZONED HYDRO-AIR™ HEAT	\$2,657	\$5,822	\$8,989
1.10/therm	94%	ZONED RADIANT FLOOR	\$2,310	\$5,063	\$7,816
ELECTRICITY	100%	CENTRAL FORCED AIR	\$6,254	\$13,705	\$21,159
.08 kw	100%	ZONED HYDRO-AIR™ HEAT	\$5,321	\$11,662	\$18,005
	100%	ZONED RADIANT FLOOR	\$4,627	\$10,140	\$15,656
PROPANE	92%	CENTRAL FORCED AIR	\$4,437	\$9,723	\$15,012
1.40/gallon	92%	ZONED HYDRO-AIR™ HEAT	\$3,775	\$8,274	\$12,774
	92%	ZONED RADIANT FLOOR	\$3,283	\$7,195	\$11,108

Figures are estimates only and may vary depending on climate zone. Does not represent a guarantee of performance.



Buildings That Provide Flexibility

If your project calls for walls up to two stories high, no problem. A major advantage of our panel system over stick built structures is that the EPS panels can be manufactured up to 32 feet. (See EPS load charts for required spans.)



The panel system goes together amazingly fast. All panels are labeled with location and type.

What our customers say:

“We are extremely happy with the final result. The building is very quiet and energy-efficient. Quail Construction was very fussy about the details.

We did look at other builders and manufacturers, but this was the solution that satisfied what was important to us.

We wanted a job that was done right and we're happy that it was.”

—Tim and Diane Straub



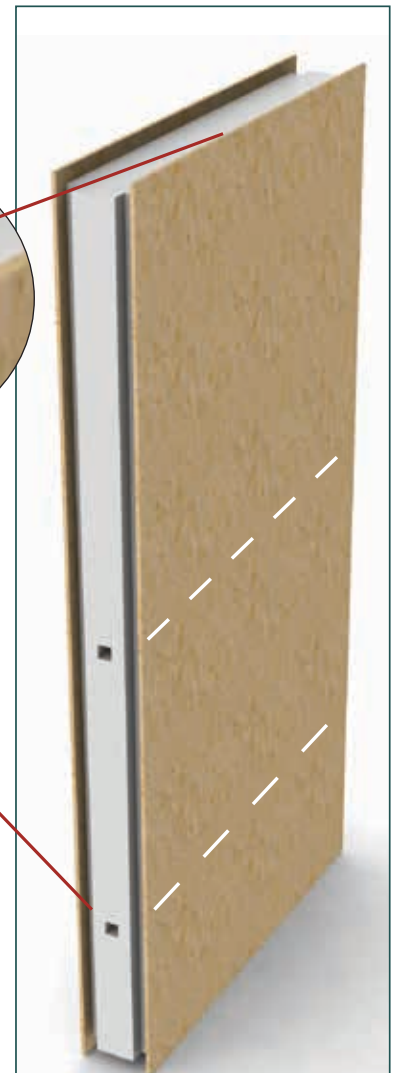
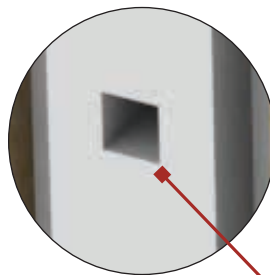
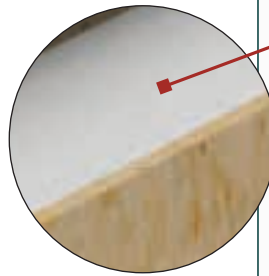
Ag Shop/ Storage



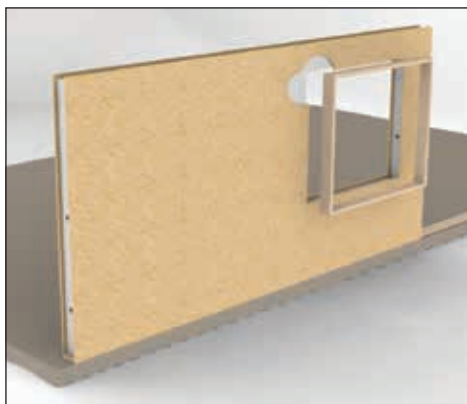
60' x 80' x 21' Solid Core
Peterson, Iowa

Save time—Save money

Electrical wire chases are internal in our panel system. Vertical wire chases are located every four feet between the panel splines and horizontally 16 and 42 inches off the panel floor.



It is important to discuss the wiring installation with the electrician early in the construction process. For each outlet, holes are cut centered on the vertical and horizontal chase. The foam is removed and the electrical wire is pulled through the chase to the outlet and the box is installed.



Windows 40 inches or smaller in width do not require headers. Two-by framing is put into the routed panel.



Headers are used for doors and larger openings with vertical studs that lock the top header in place.



Build it Your Way

EPS panel systems offer complete customization of roof materials. The most popular are trusses with purlins or structural insulated panels over the top of trusses which offer open attic designs.

Shingles, standing seam roofs or virtually any roofing material can also be used.

As with the roofing, siding options are also limitless. Brick, vinyl, cement board siding or just about any material is easily attached to our core panel surface.



EPS buildings are engineered to IBC codes to your local wind and snow load requirements and can be stamped in 50 states.

EPS has state-of-the-art production facilities and five truss lines to give you cost-effective solutions.



Proven More Energy Efficient

Energy savings are measured in whole wall R-Value not just insulation values.

Our 6-inch core walls outperform standard steel or stick built walls by over 50% when combined with other energy efficient technologies.

Interior wall temperatures are much improved over stick or steel walls. Solid core walls have no sagging insulation, no compressed insulation, no air movement, only solid cores. With no thermal shortcuts to external walls, they simply translate to large savings on your utility bills.

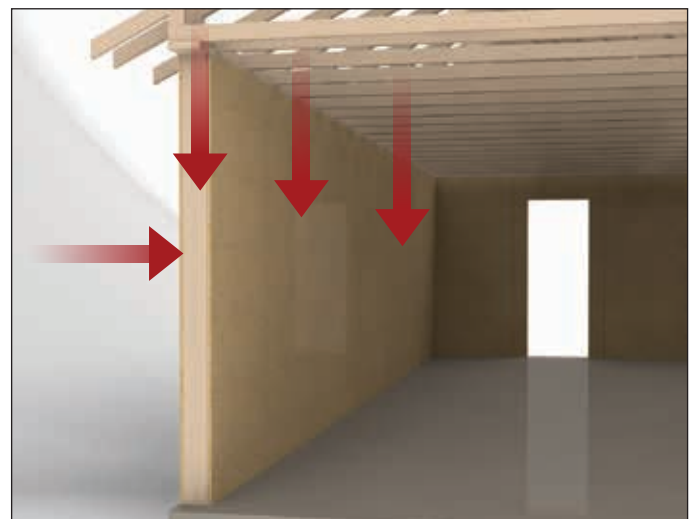
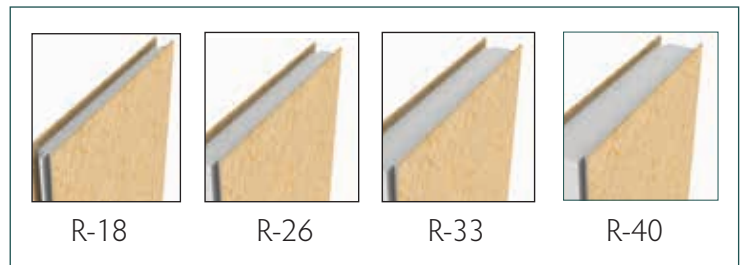
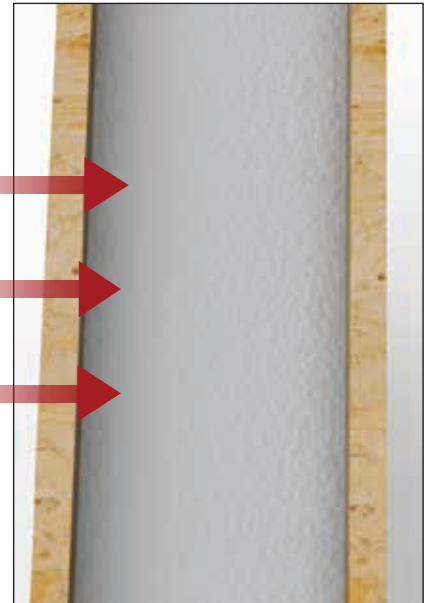
The results speak for themselves. Our core panel system is up to 15 times better at stopping air infiltration. This offers you a comfortable building by virtually eliminating drafts.

Choose from the standard R-18, R-26, R-33 or R-40 walls. All types of agricultural buildings can be engineered in just about any dimension.

Proven stronger

Impact resistance is another standard feature of structural insulated panels. The continuous bonding of EPS insulation to the OSB or plywood offers incredible strength and resistance to impact.

Vertical and horizontal stress loads are tested two times stronger than conventional stud walls. EPS walls resist up to 7,000 pounds per foot which results in structures that are stronger, straighter, taller and wider.



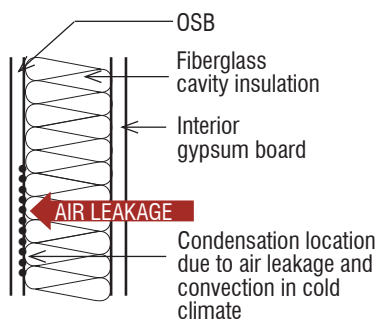
SIP Wall Properties

SIP assemblies have several unique properties. One of them is that they are “air tight” because their cores are “solid” and “homogenous”. The foam cores do not make them prone to “convection” and “condensation” due to air leakage. Since SIP cores are “air impermeable” convective air flows and condensation due to air leakage are not possible (see Figure 4.5).

Another of the unique property of SIP assemblies are the panel permeance characteristics. The three distinct layers in a SIP (inner layer, outer layer and the core) are typically of equal vapor resistance. For example, if OSB is used as both the inner and outer layers, the permeance of each OSB layer is approximately 1.0 perm. The core is EPS –Type I and is 3.5 inches thick; the permeance of the core is also approximately 1.0 perm (EPS –Type I has a vapor resistance of approximately 3.5 perms per inch-therefore 3.5 inches yields approximately 1.0 perm). The typical, almost ubiquitous, 4.5 inch thick standard SIP, is therefore “uniformly” vapor semi-impermeable. The overall vapor resistance is about 0.33 perms (1 perm plus 1 perm plus 1 perm: Figure 4.6).

However, the resistance to vapor flow inward and outward is the same irrespective of which side of the panel you are considering. The typical panel is “bi-laterally” symmetrical- the resistance to vapor flow is identical from one side of the panel centerline to the next. Under dry cup conditions it is also identical between the inner and outer layers and the core of the panel is OSB skinned. What does this mean? Well, the panel, if it has a core at least 3.5 inches thick (or thicker) and if the core has a vapor resistance of 3.5 perms or less per inch, then the panel can be used in any climate zone on the planet. It is a “universal” assembly.

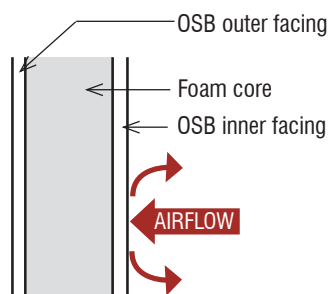
The 4.5 inch thick standard SIP with OSB linings also meets the typical building code requirements for vapor retarders (US-IBC-1.0 perms) and vapor control layers (CDN-NBCC-60 ng/Pa-s-m²) by virtue of the vapor permeability characteristics of the OSB inner lining. No additional interior plastic polyethylene vapor barrier is required-or desirable (exception: sub arctic and arctic climates).



Typical Stick Frame Wall

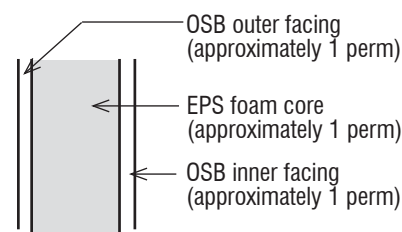
- Cavity within typical frame wall is prone to airflow and convection
- Condensation can occur at exterior sheathing in cold climates

Figure 4.5



SIP Wall

- Core is “solid” and “homogenous” and “air impermeable”
- Convection and air leakage is not possible within SIP
- Condensation due to convection and air leakage within SIP is not possible



The resistance of a SIP to water vapor flow by diffusion is the sum of the individual resistances of the layers. This sum is determined by adding the reciprocals of the permeance of the individual layers. The sum is then inverted (i.e. we take the reciprocal of the sum of the reciprocals to convert it back to perms).

$$1/1 \text{ OSB} + 1/1 \text{ EPS} + 1/1 \text{ OSB} = 3 \text{ perms}$$

$$1/3 \text{ perms} = 0.33 \text{ perms}$$

Figure 4.6

Proven Results–Satisfied Customers

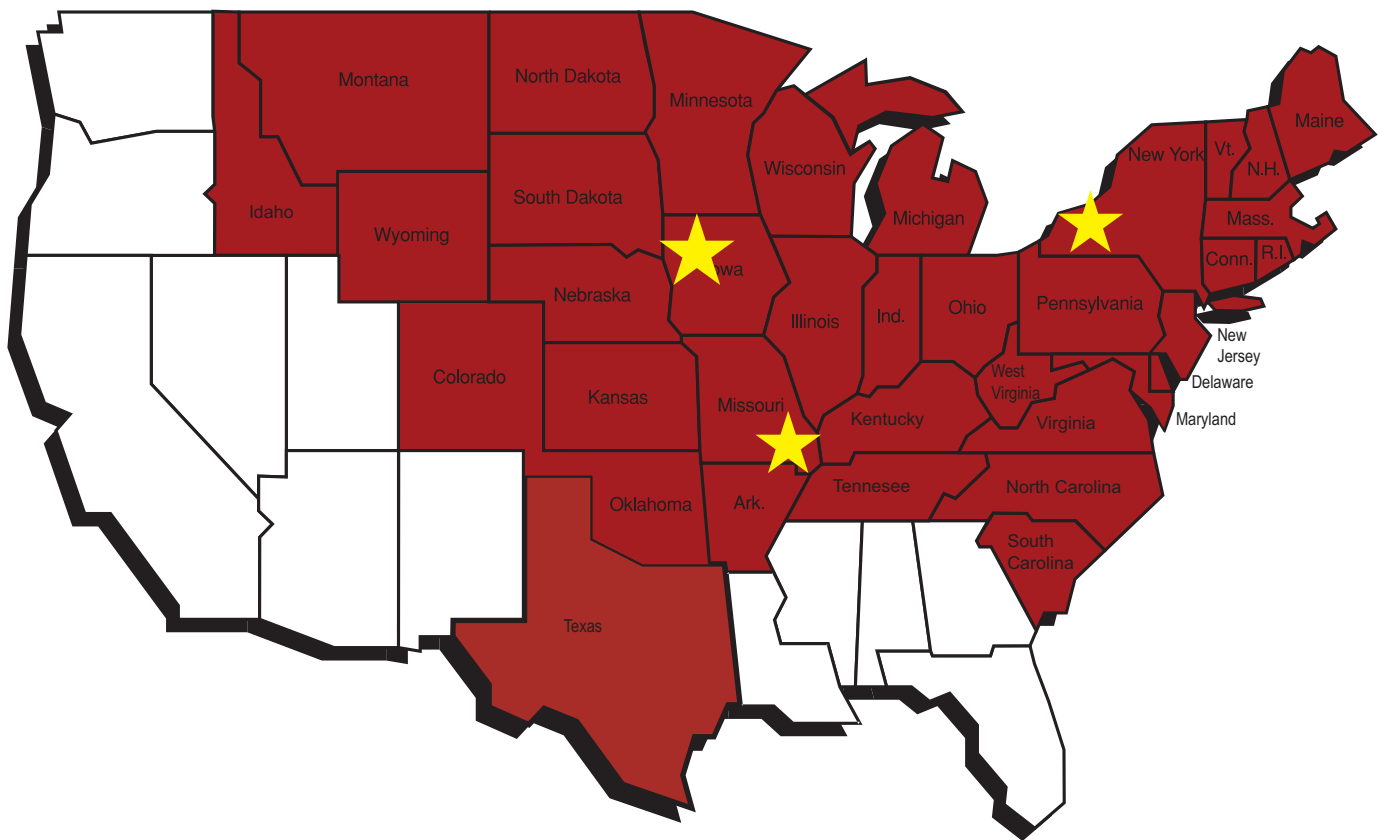
Energy Panel Structures, Inc. was established in 1981 and is an employee-owned division of the MacArthur Company, St. Paul, Minnesota, (founded in 1913).

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.

In 2010, EPS started manufacturing at a location in Perryville, Missouri.

In 2013, Fingerlakes Construction, (FLC), became part of the EPS family of companies including the manufacturing plant in Clyde, New York.

EPS Service Area



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.



EPS Headquarters, Graettinger, Iowa



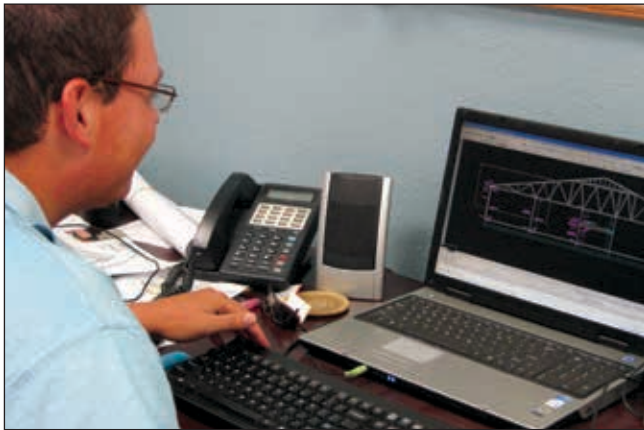
Perryville, Missouri



Clyde, New York



EPS Headquarters, Graettinger, Iowa



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.



Clyde, New York



Perryville, Missouri



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



EPS utilizes state-of-the-art truss manufacturing lines.

What our customers say:

Jeff:

I just wanted to take a few moments and let you know how impressed we are with our new building. I never considered another brand after we constructed the first EPS building in Scott City. I recently contacted our gas company about hedging some gas contracts for winter and he informed me that our usage was now so low that he couldn't make a contract that small. The EPS building is twice as big as the old one but the gas bill is about half as much.

Before we built the EPS building in Scott City we had a competitor's building built in Pratt that is the same size as the Scott building. Pratt and Scott City have about the same winter conditions. When we compared gas usage last winter we found that Scott City used over 10% less gas than Pratt. This is an accurate comparison as both buildings have in floor heat. After consulting with my contractor it was an easy decision to go with EPS.

We are very impressed with the building in Hays and have been constantly been complimented on its appearance. I believe this building is one of the best investments I have made for protecting our trucks and equipment.

I would suggest to anyone considering an EPS building to go and look at one, that's the only way one can feel the quality of construction and the amount of insulation in the walls.

We are anxious to enjoy what will be many years of energy savings.

Sincerely,
Paul Simpson, President
Trilobite Testing, Inc.

Shop/Office Building



60' x 120' x 14' shop
42' x 66' x 10' office
Hays, Kansas



Ideal for use in:

- Cold storage
- Livestock confinement
- Postframe
- Self-storage
- Many others

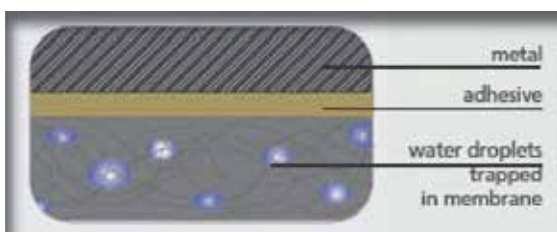
Available as an option on EPS Steel!

Controlling Condensation

When the temperature and humidity conditions reach the dew point, moisture condenses on the underside of the uninsulated metal roof. If there is a lot of condensation, drops of water form and start to fall causing damage to the contents below. The traditional method for dealing with condensation is to try and insulate the roof so that the temperature on the panel never reaches the dew point.

The roof panel with DRIPSTOP™ anti-condensation felt provides a medium for trapping this moisture in the specially designed pockets formed in the membrane. DRIPSTOP holds that moisture until conditions go back below the dew point and it is released back into the air in the form of normal humidity.

DRIPSTOP anti-condensation felt is self adhesive, and is applied to the metal panel in the roll forming process. As a result, DRIP STOP arrives at the building site already in place and set to be installed with the roofing panels immediately. The membrane is resistant to aging, and also provides an additional layer of protection for your metal roof.

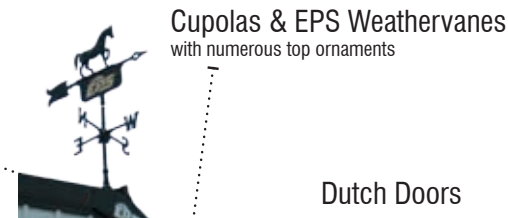


Helps Fight Corrosion

Tests have shown that it adds another layer of protection specifically from the corrosive elements in livestock confinements.

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.



Wainscot

Cupolas & EPS Weathervanes with numerous top ornaments

Dutch Doors

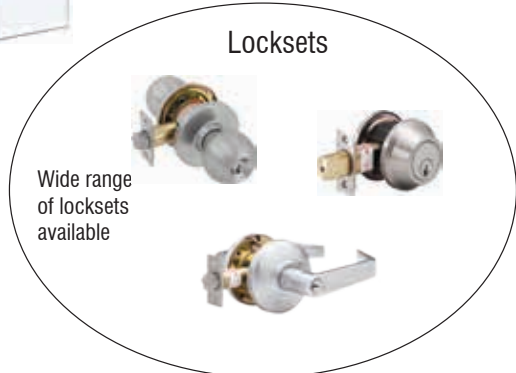


Porches

Mansards



Doors
Custom colored doors with window grids & hardware.
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



In-house floor plans and 3D Renderings

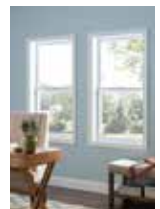


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- Structural warranty
- Proven satisfaction

