

QUALITY

FBI DESIGN & CONSTRUCTION

 **FBI Buildings**





THE BUILDING OF QUALITY.

“Quality” is the most important component in everything we build... in the people we choose to work with us... in the suppliers who are business partners... in the relationships we build with customers.

Today, FBI employs some of the brightest minds in the business. We have people who want to be the best, who strive to “do it right the first time,” who make “common sense” common practice. The quality of

their work shows in the beauty, endurance and usefulness of the buildings we construct.

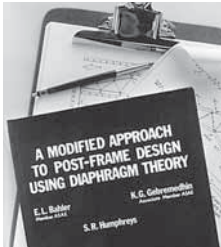
Just as the quality of a building depends on its framework, the building of quality depends on an attitude, a “framework” so to speak, that puts our customer first. We know there is no success until there is a happy customer. So when we speak “quality” in our company, you are the benefactor. And your FBI building will speak for itself.



INNOVATION

FBI WROTE THE BOOK ON POST-FRAME DESIGN.

FBI, in conjunction with Cornell University, published a breakthrough report on our integrated, comprehensive and accurate approach to post-frame engineering theory. The American Society of Agricultural Engineers (ASAE) design standards were updated.



Then *Post-Frame Building Design*, published by ASAE, set the quality standards for post-frame construction. FBI's chief engineer was a contributing author to the extensive volume.

FBI provides industry leadership.

The focus we have today started decades ago under the leadership of Edwin A. Bahler who founded the company. He saw the need for a national organization to enhance product design and integrity, so he helped to establish the National Frame Building Association (NFBA) in 1971. He was its first President. Since then, several FBI executives have served terms in NFBA leadership positions. Our people continue to participate on quality-oriented boards and committees. It's evidence of our commitment to industry and product improvement. And it assures you'll get the best quality that the market has to offer.

FBI has developed partnerships with suppliers too. A spirit of cooperation has allowed us to be first to offer innovative materials and processes that push the level of quality to new heights.

FBI personnel work closely with the best minds throughout the industry to increase our understanding and enhance technology. Our customers are assured of getting state-of-the-art design with safety and value.

OUR PEOPLE.

A spirit of continuous improvement with a passion for excellence.

This brochure is about quality. And on the pages that follow, you'll learn how FBI is providing quality in all areas of design and construction. But the **true measure of our company's quality can be found in our people!** They are committed to providing the best solutions for our customers. They provide quality products, design, advice and service. And they achieve it with a spirit of good will.

You can trust your project in the hands of our people. You'll warm to the courtesy you'll receive from everyone you meet at FBI, and you'll appreciate their honesty and expertise. By the time your project is completed, a relationship based on a **united purpose** will have been forged.



▶ **1958** FBI changed the industry forever when we began using square columns rather than round poles in our post-frame construction.

▶ **1970** FBI was first to supply all-metal walk-in doors for post-frame buildings.

▶ **1974** FBI was first to use an all-aluminum door frame system, reducing the weight of doors by 50% and eliminating misalignment due to warping.

▶ **1986** FBI pioneered computer analysis of post-frame buildings. Exclusive diaphragm design determines building strength with exceptional accuracy.

▶ **1993** FBI was first to incorporate steel girts and purlins in construction and offer their use as an option.

▶ **1994** FBI announced conversion to Kynar® 500-based finishes on Galvalume substrate. This unbeatable system promises to keep an FBI building looking like new for decades to come.

▶ **1997** FBI was first to research dirt resistance and gloss retention to enhance curb appeal, and announced the first gloss retention warranty for buildings with steel siding.

▶ **1998** FBI was first to use stainless steel screw fasteners as a standard in all steel-sided buildings.

▶ **2002** FBI began offering the optional Perma-Column a revolutionary concrete column system that is extremely durable, environmentally friendly and has a lifetime warranty.

▶ **2005** FBI introduced the industry's first online building floor plan design tool, the FBIPlanner™.

▶ **2007** FBI began transitioning all of our standard steel colors to energy-saving, Energy Star® rated "cool metal roofing" colors.



DESIGN

Buildings change landscapes. And the design professionals at FBI are committed to design solutions that **enhance** your landscape.

Exciting design options are available that will complement your building's surroundings. Steel is available in a palette of great color choices that harmonize with the surroundings. Stunning exterior surfaces offer natural beauty using state-of-the-art materials. Inviting porches, dramatic roof lines and treatments, stylish awnings and thoughtful accents work together to create aesthetic design solutions.

EXTERIOR FINISH OPTIONS ENHANCE GOOD DESIGN.

- ▶ Choose brick masonry for its richness, permanence and quality. Concrete block as the look of rough hewn stone in its split face, stamped and extruded varieties.
- ▶ EIFS (Exterior Insulation Finish System) offers the natural look of stucco with impressive energy-saving benefits. The versatile system enables the use of almost any shape, relief, texture or color in your building.
- ▶ Glazed ceramic tile offers bright color and numerous decorative uses.
- ▶ Machine-stained cedar is a natural choice for beauty, protection, economy and convenience... and it's guaranteed!
- ▶ Decorative urethane millwork (louvers, pediments, trim, moulding, etc.) adds architectural interest to classic designs.





DESIGN THAT SUPPORTS THE BUILDING USE.

Your satisfaction with your building depends on how well the building fits your needs. That's why the FBI design team starts by studying the use of your building, the interaction of your people and equipment as well as interior/exterior traffic flow. Design elements, such as an entry tower, wraparound porch or an inset corner are then used strategically to support the function of the building, not just to make it look good.



Storefront entrance is a natural extension of the building.

"We are extremely pleased with our decision to use FBI. From the original design phase through the building completion, we received nothing but great customer service and quality work. Keep up the great work!"

Chris & Jennifer Green
Indianapolis, Indiana

Decoratively announce the entrance for visitors.



"We are very proud of our new office and warehouse. We receive countless compliments on the quality and the feeling and atmosphere that our new office creates. I would highly recommend FBI... a skilled group of professionals"

Ron Edwards
Summit Seed, Inc.
Manteno, Illinois

Attractive retail entrance transitions to working shop in back.



Showcase porch reminiscent of Southern elegance.





A prominent front porch joins with other design touches to make this a standout.

ENHANCE YOUR BUILDING'S CHARACTER.

Each building has a unique character that can be enhanced with appropriate design options. We will make recommendations by considering the balance, proportion and symmetry of your building. The right combination adds interest and sophistication to the overall project, but most importantly, the design options should support your goals for the building. For instance, a retail store will require different treatment than an industrial warehouse/office.



The steeply pitched roof with overhangs, cupolas and accentuated ridge vents provide regal character and excellent ventilation.



Addition of masonry and shingles add warmth to entrance.



Boxed overhangs provide visual display of strength and stability.

“All of the staff involved were wonderful to deal with. Everyone was very helpful and made the entire process smooth and easy.”

Bob Werniak
Bob's Auto Body
Blue Island, Illinois



Wrap around porch offers a warm welcome and shelter.

THE INGREDIENTS OF QUALITY CRAFTSMANSHIP

FBI buildings have stood the test of time and so have the friendships we have built with our customers. One big reason for that is the caliber and experience of our construction crews. The people who construct your building will be FBI employees who are trained to execute each project like clockwork and take accountability for their work. And since FBI takes good care of our employees, they tend to stay. That means our average crew person has much more experience than is typical in this industry.

“Your suggestions proved to be very helpful, and FBI’s advanced planning contributed greatly to the efficiency of the building process. We appreciate the attention to detail and fine cooperation on the whole project”

J.W. (Bud) Gerber, Jr.
Fairbury, Illinois



Provide outside comfort for your horses with this lean-to porch .



Front office with hip roof and deep-fascia awning provide professional image.



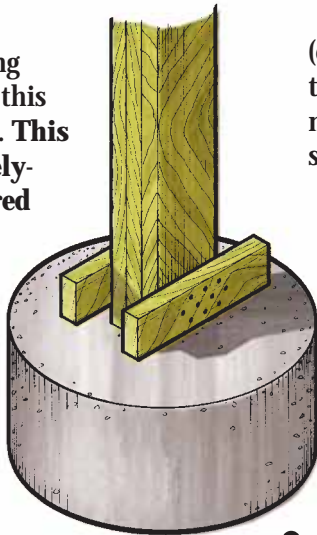
FRAMING

THERE'S A LOT RIDING ON YOUR FOUNDATION. FBI MAKES SURE IT'S STRONG AND SOLID.

Your building won't sink or get lifted out of the ground.

In traditional post-frame applications, FBI uses precast or poured-in-place foundation pads to support the load. And we use large wood anchor blocks to prevent the columns from uplifting.

An FBI building stands firmly on this solid foundation. This is better than relying on a powdered concrete mix to bear the load. Powder requires significant ground moisture... or else it may sink before it sets.



FBI's pre-cast or poured in place foundation pads provide solid, non-shifting, load bearing support. Anchor blocks prevent uplift. Your building won't sink or rise out of the ground.

STURDY, LAMINATED COLUMNS WON'T TWIST OR WARP.

Strong. Stress-rated. Pressure-treated for long life. Compare an FBI Laminated Column with an ordinary square post. Our rugged columns are made of #1 or Select Structural Southern Yellow Pine with compressive stress ratings of 1750 lb./sq. in. or more. Most square posts are #2 graded wood rated at only 525 lb./sq. in.

Laminated Column bases are 2" x 6" (or larger) lumber treated all the way through with non-corrosive government-approved wood preservative to safely prevent rot and termite damage.

Column components are constructed in a controlled environment at the FBI manufacturing plant.

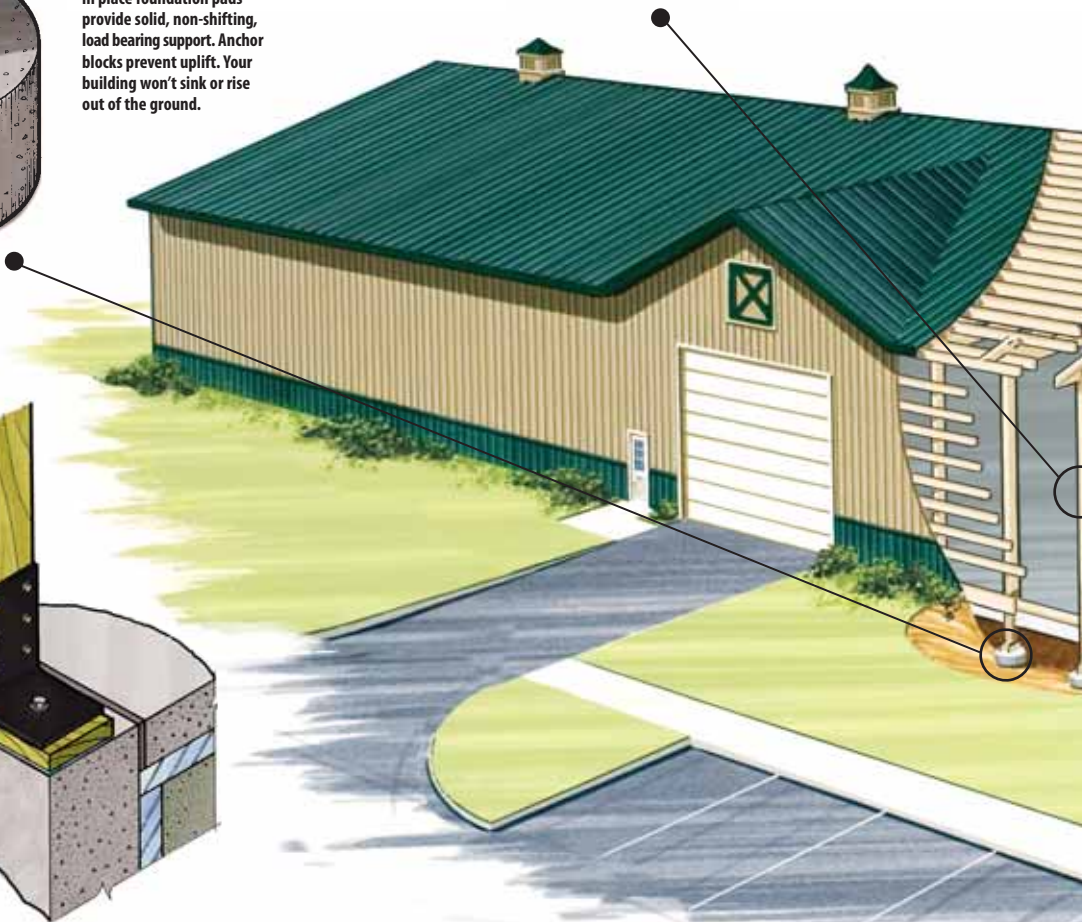
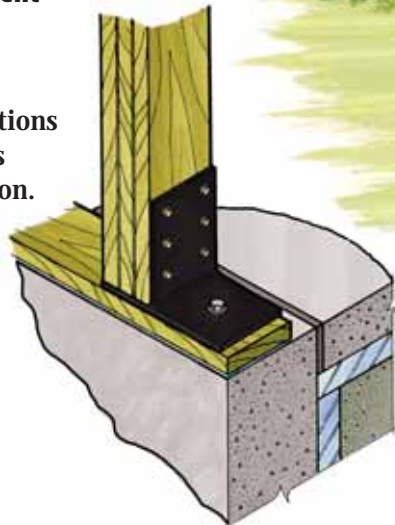
We laminate fully-treated 2" x 6" or 2" x 8" lumber into precise column components with 24" staggered joints. Hydraulic presses clamp lumber on all four sides during assembly to ensure near-perfect straightness, alignment and lamination.



FBI laminates fully treated lumber and #1 grade untreated lumber into precisely engineered columns. Staggered joints between in-ground and above-ground sections provide rock-solid strength.

Optional column attachment system is available for continuous foundations.

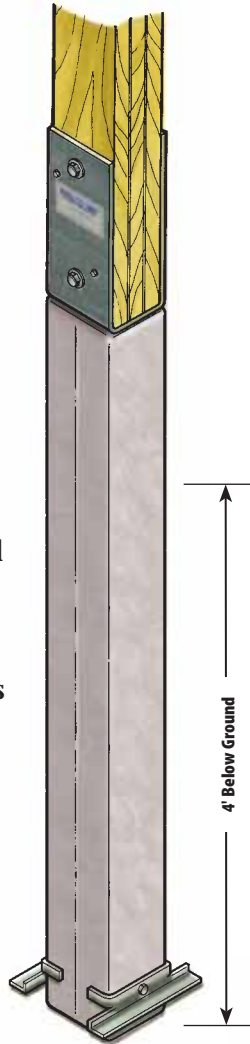
Some building applications may require a continuous poured concrete foundation. Laminated columns are firmly bolted to this type foundation with specially designed foundation brackets.



Optional, revolutionary PERMA-COLUMN™ system offers the economy of post-frame construction AND the proven durability of concrete.

This advancement is the first permanent column system in the post-frame industry! No column wood goes into the ground. The latest pre-cast concrete technology and premium grade steel reinforcement is extraordinarily strong and environmentally friendly.

Guaranteed for life, PERMA-COLUMN protects your building investment by securing its value for a lifetime. It's the permanent solution.



CLOSER SPACING OF GIRTS AND PURLINS MEANS BETTER BUILDING STRENGTH.

Girts (side nailers), purlins (roof nailers) and fasteners are important to the structural integrity of your building. Our narrow grid pattern allows for a greater number of fasteners in the side steel for excellent overall strength.

Purlins are attached on edge at a maximum of 24" o.c. – sometimes closer – with hardened steel 60d ring-shank nails. Purlins are overlapped 2' at the truss and lap cleated with 16d nails. The strength of this system far surpasses that of other builders who use wider spacing and butt purlins end-to-end.

FBI uses strong #2 grade or better spruce pine fir. In special loading situations, we use Machine Stress Rated (MSR) lumber with a fiber bending rating up to 1800 lb./sq. in.

"I was very impressed with all your people and their knowledge. Your project manager did a good job planning crews in wet weather. Of all the salesmen I met with, my FBI salesman was the most easy to understand. And the foreman kept the crew going and was able to work around my many obstacles."

John Hannah
Mansfield, Illinois

"It was a very pleasant experience from beginning to end."

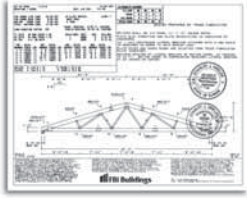
Phil Smith
Lafayette, Indiana



TRUSSES

FBI TRUSSES ARE MADE IN OUR OWN PLANT TO MAKE SURE YOUR ROOF WILL CARRY THE LOAD.

FBI trusses are job ordered and engineered for your building. **Detailed drawings for your job** show material and construction specs plus load analysis. Our professional in-house engineering staff uses the latest computer-aided design and simulation systems to ensure strength and structural integrity.



Next, we manufacture our trusses under stringent quality control standards in our own plant. In addition, **our truss plant is regularly certified by a third party Truss Plate Institute inspection service** to further ensure quality fabrication of all trusses.



Where engineering requires, we specify **Machine Stress Rated (MSR) lumber**. Each piece has been tested for **stiffness and strength** in an electro-mechanical machine. This known quantity reduces lumber variability – ensures there are no “weak links” in your building’s structure. You know the strength is in your lumber before the lumber goes into your building.

Heavy-duty steel plates reinforce your building’s strength in critical areas.

Lumber is joined with heavy-duty steel plates. These plates have a dense concentration of long teeth providing excellent “grip” on the wood. Bottom chord and web bracing are constructed to meet or exceed the strictest building codes. Quality components and testing ensure that trusses meet load specifications.



INTEGRATED TRUSS AND COLUMN UNIT RESISTS WIND LOADS... INCREASES USABLE SPACE.

Compare the application of an ordinary square post with our laminated column. With the square post, the truss simply sits on top or to the side of the post. To compensate for this weak connection, builders use **outdated, off-center knee bracing** which reduces clearance along sidewalls leaving less usable space.

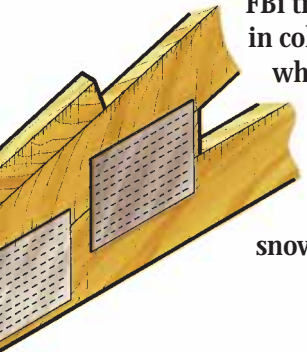


FBI has large building crews. Because FBI puts more skilled craftsmen on your site, every detail is attended to, and every feature is built with exacting skill and efficiency.



FASTENERS

FBI trusses are cradled in column “saddles” – where we lock the truss and column into a “one piece” integral system that more effectively resists snow and wind loads.



FBI wide heel trusses are saddled to laminated columns. This super strong connection provides unobstructed floor to ceiling clearance along sidewalls.



FBI USES PREMIUM 300-SERIES STAINLESS STEEL CAPPED, SELF SEALING SCREWS (NOT NAILS)

Superior Strength

Our screws provide superior holding power compared to nails. Screws will not back out as nails do.

Prevents Leaks

The FBI screw's hard carbon steel shank cleanly penetrates siding and wood creating a weatherproof grip that stays put. Nails create a jagged puncture that may further tear over time and leak. Furthermore, some builders install fasteners (nails or screws) on top of ribs which allows movement around the critical seal area. This movement, caused by expansion, contraction and wind, adversely affects structural integrity and seal effectiveness. Leaks are more likely to occur over time.

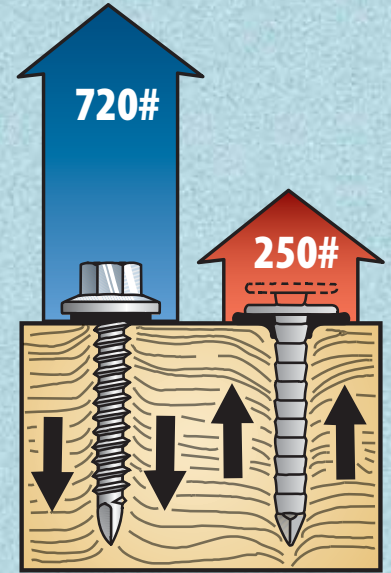
FBI installs screws through the flat area (except at the panel overlap) for a firm, lasting grip that maximizes seal effectiveness and strength.

Lasting Seal Effectiveness

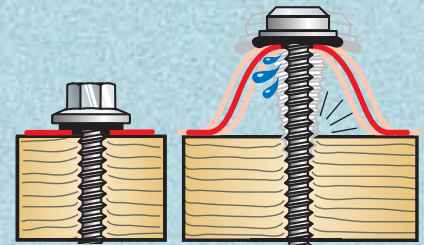
FBI screw fasteners encapsulate the sealing washer to protect it from the elements and to improve aesthetics. The integral washer maintains its seal even if the screw is driven at an angle. And our EPDM seal material is more reliable than commonly used neoprene, and offers the best heat, cold, weather and ozone resistance available.

Guaranteed to Never Rust

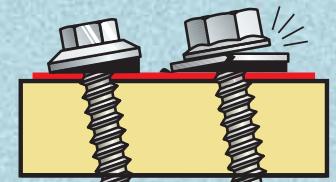
FBI stainless steel fastener heads are guaranteed by the manufacturer not to rust, discolor or stain even after decades of service.



Wood fibers tend to return to their original position when a screw or nail is driven into the fibers. Nails push the wood fibers down while FBI screw fasteners pull the wood fibers up. When the fibers try to return to their original position, they will push a nail out and pull a screw tighter. No backout. Prevents leaks!



Some builders install through the rib—a weaker connection that allows the steel to move – leading to leaks. FBI's stronger method of screwing “through the flat” assures long-term seal effectiveness.



The exclusive design allows up to a 12 degree angle of installation without creating “pressure points” or the possibility of leaks.



The 300-series stainless screw (left) shows NO deterioration after 30 Kesternich test cycles. The zinc cast screw (right) shows major pits and cracking caused by severe corrosion after the same 30 cycles.

STEEL & PAINT

FBI MATERIALS WORK TOGETHER TO KEEP YOUR BUILDING LOOKING YOUNG!

Our steel is twice as strong as other panels. Resists impact damage. Takes heavier loads.

FBI panels are 29 gauge, heat-treated, full-hard, high-tensile steel with a minimum yield point of 80,000 PSI. That's 60–78% higher than commonly used, thicker “soft” 28 or 26 gauge steel. Provides greater resistance to impact damage (hail, rocks, accidents, etc.)



FBI's high-yield strength steel with specially formed tall ribs on 9" centers provides wind and snow load capacity far above industry standard commercial-quality steel. You get a building with greater structural integrity.

Plus, fastener holes in soft steel can become enlarged over time and leak! FBI high-yield strength steel is hard. Fastener holes maintain their shape.

Galvalume® sheet steel fights corrosion and rust.

FBI uses Galvalume coated steel for roofs and siding. Galvalume battles corrosion and rust two to four times longer than the G90 galvanized steel that many other builders use. Cut edge and crevice protection and flexibility around formed ribs are superior.



After 23 years of exposure, this hot-dipped galvanized G90 test panel exhibits almost complete red rust.



The Galvalume sheet panel continues to perform well after the same 23-year exposure.

Galvalume is a combination of aluminum, silicon and zinc. This improved coating keeps on fighting corrosion years after other “corrosion resistant” systems have failed.

The enduring beauty of Kynar® 500 finishes. Nothing else comes close.

FBI finishes our Galvalume side and roof panels with the Kynar 500 Fluoropolymer paint system. The molecular bond of Kynar 500 is amazingly strong — one of the strongest known to man. FBI was instrumental in bringing this advanced system to the post-frame building industry.

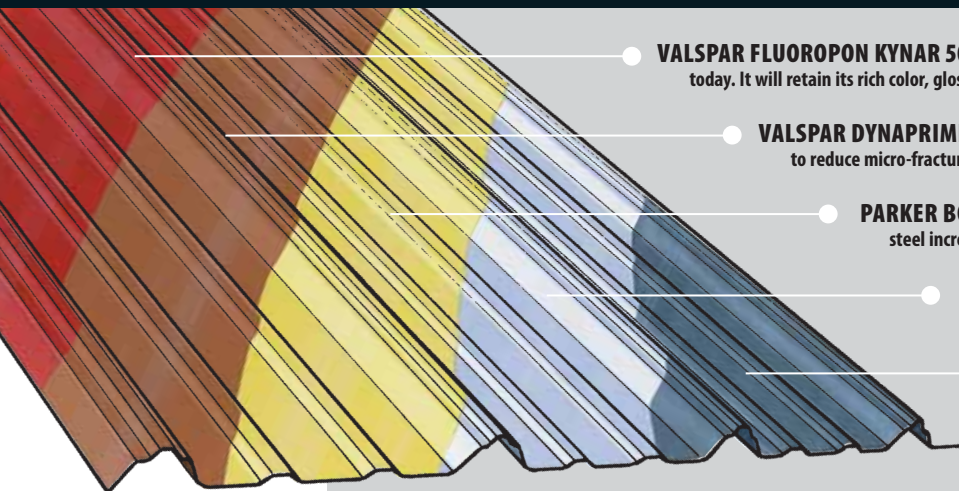
Kynar 500 is specified by architects for multi-million dollar high-rise buildings. It is the only paint system to meet U.S. Department of Defense Army Corp Specifications for certain critical applications.

(Note: Silicone Polyester materials used by many of our competitors do not meet these stringent specs.)



Kynar 500 is the system of choice where exceptional resistance to fading, chalking and corrosion is critical. Kynar 500 is the best way to keep your FBI building looking young for years – even decades to come!

FBI STEEL/PAINT SYSTEM PROVIDES UNEQUALLED PERFORMANCE AND QUALITY.



● **VALSPAR FLUOROPON KYNAR 500** Kynar is the ultimate architectural coating on the market today. It will retain its rich color, gloss and beauty for 20-30 years or longer.

● **VALSPAR DYNAPRIME POLYESTER PRIMER** Dynaprime offers excellent flexibility to reduce micro-fracturing during forming. Surface integrity helps prevent corrosion.

● **PARKER BONDERITE 1310** Pretreatment provides chromeoxide coating on steel increasing paint adhesion and corrosion resistance.

● **GALVALUME** Galvalume provides 2-4 times the corrosion protection of G90 galvanized coating.

● **80,000 PSI FULL HARD STEEL** Nearly twice as strong as commercial quality steel (45,000 PSI). Reduces potential for unsightly dents and dings caused by accidents or hail.

Kynar 500 resists the harmful UV rays of the sun better than anything else on the market.

Of all the major causes of change or failure of architectural coatings, UV radiation is the most destructive. Prolonged exposure at a Ft. Myers, Florida, test site proves the superior gloss retention, color permanence and fade/chalk resistance of Kynar 500.

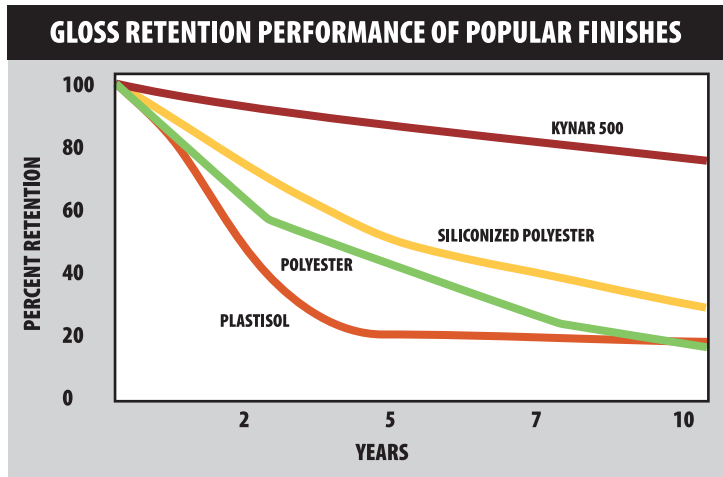


FBI paint systems are exposed to severe Florida weather for years to insure the quality of finish on your building.

Kynar 500 is relatively unaffected by the sun's radiation, which in time destroys lesser coatings.

Kynar 500's gloss retention performance is proven superior.

Our industry-leading gloss retention performance assures that your FBI building will retain its "showroom new" look. This quality is possible because of the incredible gloss retention properties of Kynar 500 compared to other popular finishing systems.



"I particularly appreciate the quality and finish as compared to the other buildings available. Our FBI buildings are the best looking at Valpo Airport."

A.G. Plumley
Merrillville, Indiana

"The features that impressed us were the quality of the material and the care of the building crew. Without a doubt, this is the best job that could have been done erecting a building. We appreciate it!"

Gene, Eunice and Bruce Dixon
Covington, Indiana

KYNAR 500 vs SILICONE POLYESTER
Film Erosion Test – 45° South Florida Exposure



Photomicrographs (enlarged 500X) show comparative film erosion. The left photo shows silicone polyester before it was exposed to the elements. In just nine years, the finish is crumbling in the center photo, while the Kynar 500 sample still looks great after 13 years of exposure.

Kynar 500's superior flexibility shuts out rust and corrosion.

FBI's complete paint system is more flexible and therefore better able to withstand the rigors of the forming process. Silicone polyester cracks. Over time, these cracks allow elements to penetrate the finish and cause the steel to rust or corrode.

"Design of building blends well in color and style with our home. Totally professional – thanks for your service!"

Theodore Young
Kankakee, Illinois

KYNAR 500 vs SILICONE POLYESTER
Fade/Chalk Test – 45° South Florida Exposure



Examine the difference in performance of Kynar 500 when compared to silicone polyester. When exposed to the sun's UV radiation for 3-5 years, Kynar 500 samples show almost no change. The silicone polyester sample shows severe fade and chalk... the whole system is disintegrating.

KYNAR 500 vs SILICONE POLYESTER
Flexibility Comparison



These photos show metal building panels which were identically roll formed (the process used to create ribs in the panels). They show the finish at an outward bending ridge in the same area of each panel. Notice the cracks which formed on the competitor's product because of poor flexibility. Over time, these cracks will allow moisture to reach the steel substrate. Rust and corrosion are inevitable.



DOORS

EASYMOTION
SLIDING DOORS

FBI's EasyMotion™ sliding doors are the best in the industry. They are designed to operate smoothly in nearly any kind of weather.



FBI HAS THE RIGHT DOOR FOR YOUR APPLICATION.

Sliding doors, bi-fold, roll-up, overhead, hydraulic, large, small... an FBI building can accommodate any or all of these.

Which type of door is right for you? It depends on your aesthetic, functional and budgetary requirements.

Sliding Doors

A sliding door is the least expensive, large door for a post-frame building. It lets you take full advantage of the wall height and works especially well on side walls, where you can get openings up to 40' wide with a split sliding door.

FBI's aluminum-framed EasyMotion doors set the standard in the industry. Special features, like our exclusive weatherproof Posi-Guide bottom track, and bird proof flashing & top door trim, ensure year-round trouble-free operation. Our lightweight aluminum frame and smooth-operating components make the door incredibly easy to move. Lastly, aircraft-grade alloys, interlocking frames and an extra-stiff girt design provide impressive strength.



Hydraulic doors provide maximum opening height. Sizes to 90' wide with 24' clear height.

FBI's new EasyMotion sliding door includes these recent improvements:

- Metal-on-metal friction has been eliminated. Doors glide smoothly and quietly, thanks to the addition of a proprietary, slick polymer at all key contact points.
- Completely re-engineered door system increases strength by 20%.
- Extruded aluminum trims don't ding, dent or rust like the soft steel trim used by most builders. And they are color-matched using fade-resistant coating.
- Door handles are now vertical and placed at 36" high for a more natural, comfortable grip.

Insulated overhead doors with swing-up posts and electric operator



Roll-up doors.



Insulated overhead doors with dock seal and levelers.



Bifold doors with electric opener. Sizes to 70' wide with 20' clear height.

Hydraulic Doors

If energy efficiency and the maximum door opening possible are your top priorities, consider a hydraulic door on your FBI building. With widths up to 90' possible, these one-piece doors are essentially moving walls. Windows and walk doors can be built into them. Hydraulic doors open very quickly and let you take full advantage of your building height. Opening and closing a mammoth one-piece door does put a lot of torque on the building. Therefore, beefed up headers, columns and foundations are often specified.

Bi-fold Doors

Although usually seen on airplane hangars, bi-folds are suitable for a variety of farm and commercial uses. You can get very wide openings – up to 100' on a post-frame structure – but without putting as much stress on the building as a hydraulic. And you can park a lot closer to it. The downside is diminished vertical clearance in the door opening. This requires a taller building to get the same opening

clearance as is possible with a slider or hydraulic. (Overhead doors have the same problem.) An abundance of moving parts may also mean more maintenance down the road, compared to other choices.

Overhead Doors

Overhead doors seal up well so they are popular on shops. But they are limited to widths of 32' (although multiple doors can be placed side by side). They reduce your interior headroom and can potentially interfere with your lighting and heating units when in the open position. Color choices are limited as well. When you get up into the largest sizes, it is often more economical to consider a hydraulic or bi-fold door.

Roll-up Doors

These are commonly seen on mini-warehouse storage units and certain industrial applications. Roll-ups can provide a tight, fire-rated seal where wall space, front clearance and headroom is limited. However, since the doors literally roll up into a bundle, they are difficult to insulate.

An Engineered System

Whatever door you select, you'll be glad you chose FBI. Our Project Sales Consultants will help you think through your options to ensure you get the best possible solution.



A door choice can't be made in isolation of the overall building design. That's why FBI engineers carefully evaluate the entire building system and specify the necessary foundation, column and header sizes to carry the expected loads.

Unfortunately, that doesn't always happen with other companies. With FBI, you can have the peace of mind that your building is designed from top to bottom to meet your required specifications.



LINERS



FBI Buildings, Inc.
3823 W 1800 S
Remington, IN 47977
800 552-2981 Toll free
219 261-2157 Phone
219 261-3193 Fax
www.fbibuildings.com

ADD THE FBI ENERGY ADVANTAGE™ PACKAGE FOR INCREDIBLE ENERGY EFFICIENCY AND SAVINGS.

The Energy Advantage Package is our unique and recommended high-performance interior liner system. With the Energy Advantage, your building becomes more attractive,



energy efficient and useful. The high-tensile steel liner (or plywood, OSB, drywall, or any combination) covers all interior framing, improving appearance and reducing maintenance.

Post-frame construction allows for another significant advantage. Fiberglass batts in side walls mean less heat loss and lower fuel bills.

Your comfort is assured with this high-performance R-19 walls, R-38 ceiling insulation. Even the optional concrete floor can be protected against midwest winter cold.

Depending on how you will use your building, the Energy Advantage Package can significantly improve your building environment and utility costs.

090404-DW-0909-JP-7M



- MULTI-RIB CEILING LINER
- 4 MIL VAPOR BARRIER
- BLOWN INSULATION – R-38
- MAX-RIB WALL LINER
Optional plywood, OSB, drywall or combination
- 4 MIL VAPOR BARRIER
- 6" BATT INSULATION – R-19
8' width spans between columns
- VENTED ALUMINUM SOFFIT
- CONTINUOUS VENTED RIDGE
(Not shown)

