



# BEHLEN<sup>®</sup>

BUILDING SYSTEMS





The Behlen name is renowned for providing quality building systems made by craftsmen with a heritage dating back over 80 years. We are “The **GOOD IRON People**” and it shows in every building – every time.

## WORLD CLASS QUALITY

Specifically developed for metal building systems, **IAS AC472 Accreditation** provides assurance a metal building manufacturer and its staff have a world class quality system in place for:

- Primary framing fabrication
- Light-gauge welded fabrication
- Cold-formed fabrication
- Engineering

## KEY ADVANTAGES

**Behlen Building Systems’ IAS AC472 Accreditation** offers contractors, architects, code officials, and building owners many key advantages which expedite the building process including:

- Compliance with the special inspection requirements in Chapter 17 of the International Building Code®
- Eliminates the need for additional inspections
- Cost savings related to code compliance of metal building fabrication; quicker acceptance of plans by building officials
- Added assurance the metal building manufacturer and its staff have been thoroughly scrutinized by independent non-biased and objective third party auditors

Behlen is the first metal building manufacturer in the United States to achieve International Accreditation Service (IAS) AC472 Accreditation.





**1** Coped eave/rake flashing protects and keeps this critical seal secured while providing a superior finished appearance.

**2** Premium Galvalume® base steel; state-of-the-art paint finish to keep colors looking sharp

**3** Extra high strength steel panels (up to 80 ksi) for an added level of quality beyond other suppliers

**4** Attractive two-piece framed opening flashing and base trim provides a clean finished look

**5** Flexibility in design allows for customized structural features

**6** Industrial-grade, aesthetically pleasing gray primer in accordance with SSPC specifications

**7** Optional liner panel provides added protection and a clean, finished look



ZL-24™

ZL-16™

BEHLEN PREMIUM

## STANDING SEAM ROOF SYSTEMS

ZL-24™ Trapezoidal Industrial Standing Seam  
ZL-16™ Architectural Standing Seam

### Reliable

The technology of the patented ZL-24™ and ZL-16™ roof systems offers considerable benefits to the roof designer, roof installer, contractor, and building owner.

### Weather Resistant

The ZL-24™ and ZL-16™ technology provides enhanced protection from severe stress during high wind because of its location within the seam.

### Cost-Efficient Installation

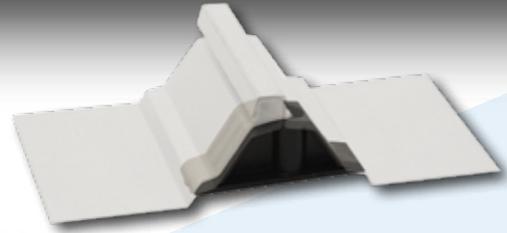
Unlike other roof systems on the market, the ZL-24™ and ZL-16™ systems do not require seaming as each individual panel is installed. The result – a roof is installed quickly, efficiently, and without costly wear and tear caused by excess traffic on the unfinished roof.

### Quality Seam

When mechanical seaming is required, state-of-the-art seamers provide a high quality seam, locking components together in a consistent seamed profile.

### Consistency in Design

In almost every case, the ZL-24™ or ZL-16™ roof system is accomplished with more consistent purlin spacings, panel sizes, and clips throughout the entire roof.



## ZL-24™ CORRUGATION CLOSURE

### Three Distinct Advantages:

- Made from high density polyethylene, this closure helps the mastic form a tighter seal than the typical metal closure other roof systems offer.
- The closures also have a subtle black finish to help create a clean, uniform look.
- Helps maintain modularity at the eave.



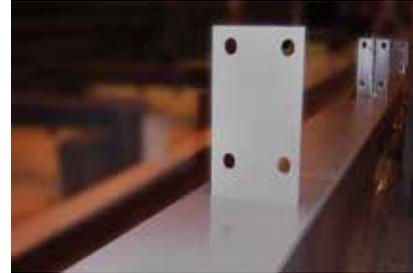
## EXTERIOR WALL/ROOF SYSTEMS

BEHLEN TRADITIONAL

Choose clean, economical Behlen panels or incorporate a combination of alternate building materials:

- ADP-1 (Wall/Roof)
- ADP-2 (Wall)
- Factory insulated panels
- Wood
- Glass
- Brick
- Masonry

**The choice is yours –  
you have complete design freedom.**



Behlen clips are pre-welded for a better fit and reduced erection cost and time.

PRECISION MANUFACTURING  
resulting in steel that fits up right!

Galvanized light gauge steel provides quality which lasts a lifetime.

- Purlins
- Girts
- Framed Openings
- Eave Struts
- Flange Braces
- Sheeting Angles





**FLEXIBLE.**

## Attractive Designs



From a simple warehouse to a complex, multi-story facility, flexibility is a key benefit of Behlen Building Systems.

- Industrial Facilities
- Retail Facilities
- Offices
- Dealerships
- Churches and Schools
- Sports/Entertainment Facilities
- Self-Storage
- Hangars
- Factories and Warehouses
- Agriculture and Livestock Arenas
- Retrofit Roofing and Walls

### Imagination

Incorporate metal, glass, wood, stucco, brick and other architectural building materials.

### Future Growth

Behlen buildings are designed for fast, economical additions or other enhancements.

### Savings

Behlen buildings can easily incorporate energy efficient insulation systems for long-term heating and cooling savings. Plus, our durable components and quality construction minimize maintenance requirements.



## STRUCTURAL SYSTEMS

Your Behlen building can be configured in nearly limitless combinations of widths, lengths, and heights. This flexibility and the addition of other materials such as masonry, brick, glass, and pre-cast empowers you with the ability to achieve virtually any architectural presentation you desire. We can turn the “look” you envision into a reality.

## DESIGN BUILD

Authorized Behlen Builders must be experienced and held in high regard by the construction industry to meet our qualifications. A Behlen Builder will partner with you to develop a sound, well-defined budget and get the greatest return for your investment. You can continue to handle the day-to-day needs of your business rather than deal with construction details. You can rest assured knowing your Behlen Builder is your single source responsibility for your project.

\*Authorized Behlen Builders are independent contractors and are not agents of Behlen Building Systems.



“ We’ve worked with Behlen for over 55 years. Their service is equal to their workmanship which is first rate. They take care of their customers like they take care of their business - the way we all would like to be taken care of. *Good People, Good Iron.* ”

**Dave Clausen**  
*Clausen & Sons, Inc. - Havre, MT*

# EAGLESPAN® BUILDING SYSTEMS



Too often, metal building designs are constrained by a process limiting our imaginations. The “standard” for roof design revolves around various flat plane concepts, such as single slope, gable, and hip roofs. Behlen Building Systems is proud to proclaim we’re “throwing a curve” at traditional thinking.



**Benefits of the distinctive EagleSpan® curved roof system include:**

- A true radius frame (not segmented) with clear span of 200 feet or more.
- Beams fabricated in our manufacturing facility thus minimizing costs while maximizing quality.
- Traditional metal building design and steel erection procedures.
- ZL-16™ standing seam roof system is standard.

# RURAL BUILDINGS

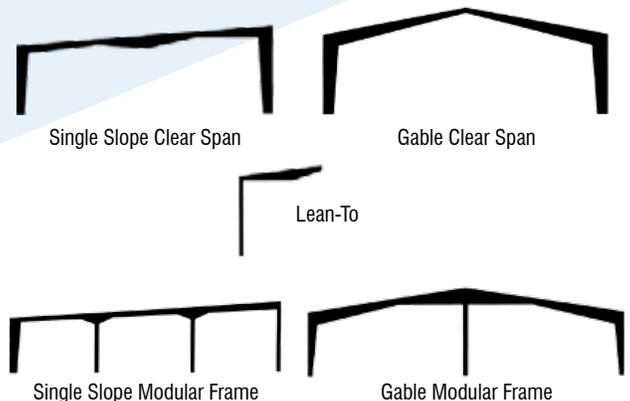
The Behlen name is renowned in Rural America for providing quality building systems, made by craftsmen, with a heritage dating back over 80 years. Behlen Buildings have met the needs of farmers and ranchers by standing up to the elements and serving as an essential part of their operations over multiple generations.



## Quality & Advantages:

- All-Steel construction provides increased strength and stability over a wood frame structure.
- Extra high strength steel (up to 80 ksi) for an added level of quality
- Coped eave/rake flashing for a superior finish
- Premium base steel and paint finish to keep colors looking sharp.
- Attractive two-piece door trim.
- Industrial-grade, aesthetically pleasing gray primer in accordance with SSPC specifications.

## FRAME STYLES



## LARGE SPAN BUILDING SYSTEMS



Behlen Large Span Building Systems offer large, open floor spaces minimizing interior obstructions. These clean, uncluttered interiors are ideal for warehouse, industrial, distribution or retail applications. Per your specifications, you can count on a custom designed and fabricated building maximizing your use of space and operating efficiency.



- Economical – provides bay lengths up to 60 feet maintaining the efficiency of building with steel.
- Versatile – combined with hard wall systems (masonry, pre-cast, and tilt-up construction) as well as metal wall panels. Also utilized a variety of roof systems including built-up roof systems, providing a competitive option with conventional construction methods.
- Durable – joist purlins are manufactured in accordance with the Steel Joist Institute (SJI).
- Efficient – a perfect match for Behlen Building Systems ZL-24™ Standing Seam Roof System.
- Ideal for warehouse, industrial or distribution facilities.

## S-SPAN BUILDING SYSTEMS

The Behlen S-Span design has proven itself perfectly suited for hangars, arenas, exposition centers and other building applications requiring large, clear spans. Support strength is formed into the corrugated steel wall panels so there are no intrusive columns to work around making interiors uncluttered and attractive. The energy-efficient design of the roof also allows a high R-value to be achieved.



There is almost no limitation in facing materials to be used on an S-Span building. Choose from standard corrugated steel panels, color coated ADP panels and facades to masonry, wood or even glass. The S-Span is very versatile.

- Large, clear spans.
- 100% nut and bolt construction using heavy gauge panels (no screws).
- A tough, proven stressed skin design.
- Energy-efficient building with high R- Values.
- Made with quality in the U.S.A.



“Ease in the field makes a big difference. I’ve been a full time steel erector for over 25 years, putting up several metal building brands, and I can say with confidence that of all the structures I’ve put together – Behlen is by far the easiest. Behlen buildings require the least amount of work in the field and I don’t have to use the torch or welder.”

**Mike Emanuel**  
*North Central Builders -  
Hartington, Nebraska*



“Customer Service is big! I have been putting up metal buildings for 25+ years. No matter how long you have been in the business, there will always be problems. What sets Behlen apart is they are always there; they’re always responsive at all levels. It’s why we choose to stick with Behlen. “

**Jesse Martinez**  
*JLM Northwest LLC., Prineville, Oregon*



## Building Green and Sustainability

More building owners are taking sustainability into consideration when constructing new facilities. These are important factors when seeking to achieve credits with LEED certification (Leadership in Energy and Environmental Design).

### GREEN ADVANTAGE

A Behlen building offers these advantages when applying for LEED Certification:

- All painted panels qualify as having “Cool Colors” which means they reflect more of the sun’s rays, lower the roof’s surface temperature, and help reduce the amount of air conditioning needed to cool the building
- Limitless design flexibility (e.g. day lighting options and highly efficient insulation systems)
- Lower maintenance and insurance costs
- Behlen steel contains high recycled content and is 100% recyclable

### METAL IS GREEN

Metal is considered a green building material for the following reasons:

- Saves time on installation and requires minimal disruption to job site
- Improves energy efficiency and comfort
- Reuses and recycles waste material– reducing landfills
- Does not produce off-gassing as no on-site painting is needed
- Offers a better life cycle return on investment
- Cool metal roofs reduce heat island effects



[www.behlenbuildingsystems.com](http://www.behlenbuildingsystems.com)

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## WHAT DOES IT MEAN TO DO BUSINESS WITH THE GOOD IRON PEOPLE?

- You're part of a culture where your business truly matters, and our Partners in Progress (employees) have a vested interest in helping you win in the marketplace.
- We believe in Mutual Trust and Respect and it shows in every building – every time.
- A drive for Value Added Customer Satisfaction. After all, it's the cornerstone of our quality system.
- Dedicated District Managers and Project Coordinators who oversee the entire process of your order through delivery.
- A determined "will to win" work ethic when it comes to helping our builders succeed.
- The lines of communication are always open and every team member is ready to take your call.
- Every Behlen Builder matters. We strive to fulfill the "Great Experience" through our builder networks.
- Our experienced design team is willing to take on the challenges of complex building projects.
- We're in it together and realize our success is dependent upon the success of our builders.



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