

American  
Buildings  
Company

# METAL BUILDING SYSTEMS

ABC leads the way in  
custom-engineered  
metal building systems.



INNOVATION.  
TECHNOLOGY.  
SOLUTIONS.

# **American Buildings Company leads the industry in technology, design flexibility, estimating ease, longevity, quality and value and has for more than 70 years.**

ABC is one of the largest and most experienced manufacturers of custom-engineered metal building systems in the world. With one of the widest arrays of product offerings, from simple to complex multistory buildings, ABC's Builder network throughout North America has the expertise to deliver top-quality metal building systems and services.

Without exception, our quality products give you the simplicity, durability and affordability you're looking for. But even more important is the fact that ABC gives you the value-added benefits you need to ensure that your project is more than just a building ... it's a success.

---

ABC is a division of Nucor Corporation, the largest steel producer and steel recycler in North America. ABC benefits from unrivaled financial strength.

# Advanced building with BIM 3-D modeling creates a win-win for metal building design and construction.

Building Information Modeling, or BIM, is driving an unparalleled revolution in the construction industry using 3-D digital modeling software from Tekla® to more effectively design, detail and erect buildings of all types.

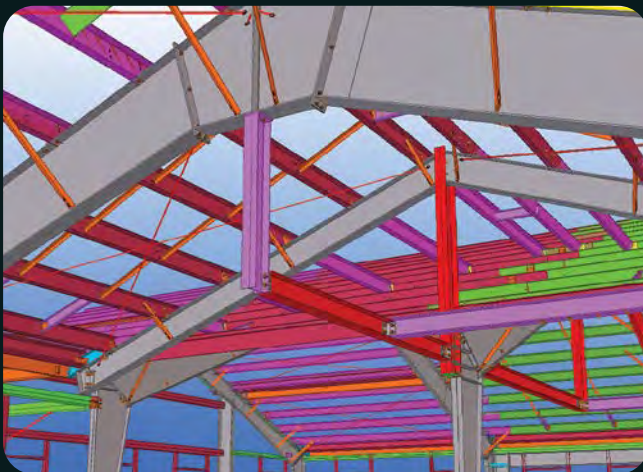
## Providing powerful value

BIM models have evolved to a level of information beyond that required for production of 2-D documents. The high level of detail creates a digital virtual building that can be used for scheduling, estimating and materials needs as well as for 3-D coordination. This 3-D model has disrupted the designers' traditional deliverables, becoming more valuable than the 2-D documents during construction.

The growth of BIM is heralding an unprecedented disruption in the construction industry, and ABC is on the forefront, transforming markets and revolutionizing expectations. American Buildings Company is pairing its proven track record of quality and service with the future of 3-D modeling to

give Builders, General Contractors, Engineers and Architects an edge over competitors in the market. Providing customers with a modeling system that can display an exact replica of their athletic building leads to confidence and peace of mind for the life cycle of the project.

ABC is the first manufacturer to detail 100 percent of its projects using BIM 3-D modeling in LOD 400 as standard. Taking BIM a step further, ABC has worked to create "high-definition BIM" that shows details and connections, including bolting, anchoring and wall and roof panels. You can now get a BIM model for your entire athletic facility shell from one source.

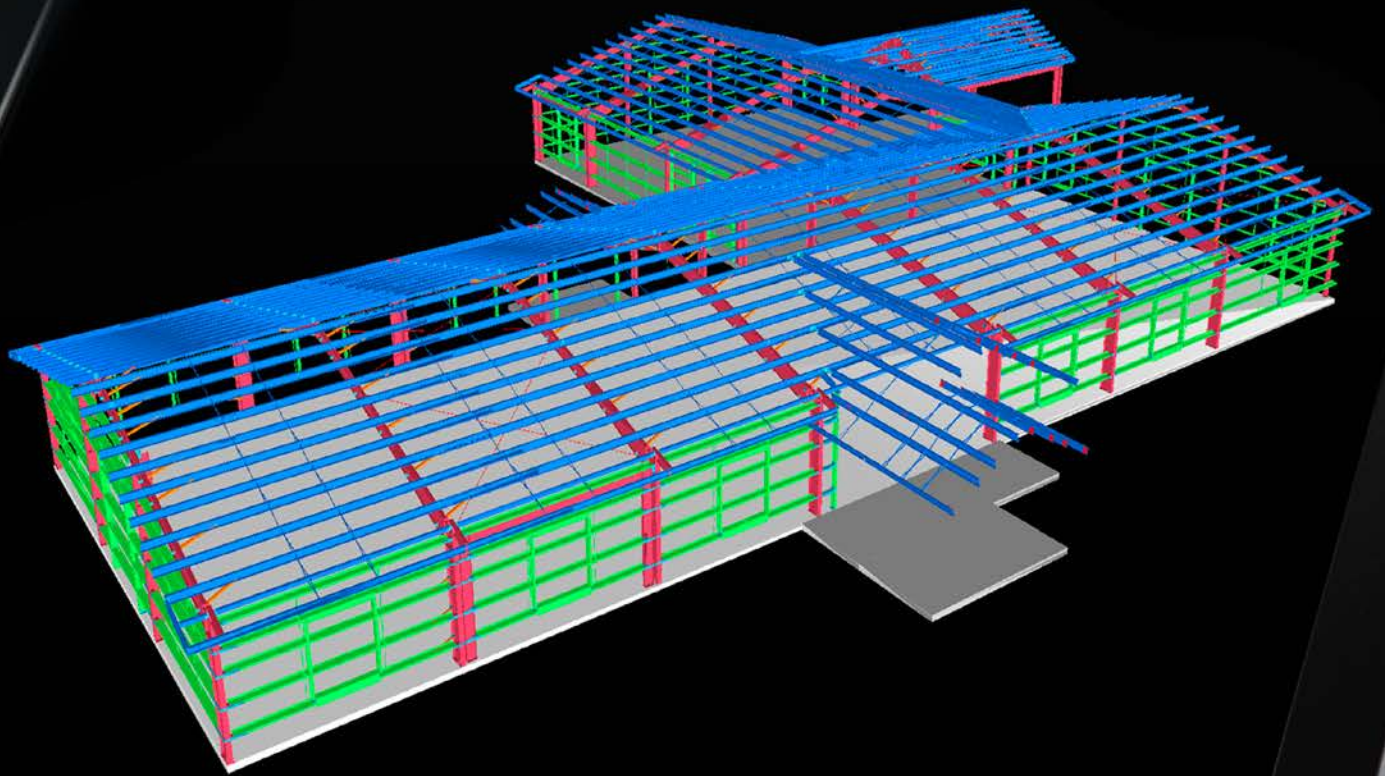


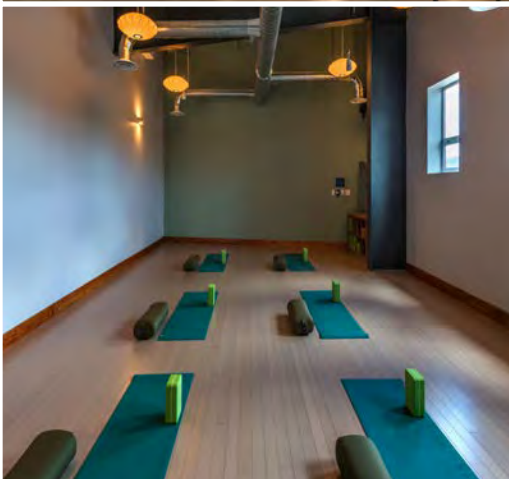
The advanced capabilities of BIM 3-D modeling allow you to view an exact replica of your building, meticulously rendered to show every single detail of the project – ensuring that what's onscreen aligns with what's being erected.

# ABC & BIM

## Consider the game changed

The BIM process produces a digital prototype of your project, allowing you to build it virtually before building it in reality.









# Compared to conventional structures, custom metal building systems offer many clear advantages.

With value-added engineering that includes aesthetics, utility, timeliness, overall costs and more ... you will find that a metal building system is the right choice.

## Design

- Quick and efficient
- Design drawings provided by manufacturer
- BIM modeling standard on all projects

## Weight

- Approximately 30% lighter due to more efficient use of steel

## Foundation

- Simple design is lightweight and easy to construct.

## Accessories

- Designed to fit the system with standardized, interchangeable parts, including flashing and trim

## Delivery

- Tell us when you need it.

## Architecture

- Outstanding detail can be achieved at a reasonable cost using conventional wall and fascia materials.

## Sustainability

- A typical ABC metal building is manufactured from at least 70% recycled steel.
- 100% of a typical ABC metal building can be recycled after its useful life.
- Metal building systems qualify for LEED® and other green building initiative credits.
- The long life cycle of metal roofing systems, which last 40 years or more, keeps roof materials out of landfills.

## Erection

- Studies have shown that on conventional construction typically there is 57% wasted time compared to 25% with metal buildings.

## Energy Savings

- Both SP and PVDF cool coating color systems can save up to 50% in cooling load demand, resulting in significant cooling cost savings.
- Cool colors lengthen the life of wall and roof panels by reducing heat, which damages coatings over time.
- Cool coatings generate lower environmental temperatures to help reduce smog.

## Overall Price

- Price per square foot can be considerably lower than conventional construction.

## Changes

- Highly flexible; changes and revisions can be made easily
- Future expansion is simple and cost efficient.

## Responsibility

- Single source results in total responsibility from one supplier.

## Performance

- Components are specified and designed to work together as a system.
- Experience with similar buildings and field conditions worldwide has resulted in design improvements, and thus more dependable predictions of performance.





## Speed. Design. Beauty. Delivered.

ABC provides versatile building solutions. Because they come in a variety of materials and configurations, our buildings can range in style from the basic to the sophisticated, yet still provide quick turnaround in terms of product and delivery.

### Advanced Technology & Design Techniques

ABC's building systems can be readily combined with traditional materials such as brick, stone, glass or wood to meet any appearance requirement, while dramatically shortening design, fabrication and on-site erection time for major cost savings and faster occupancy.

### Design Versatility

ABC building systems are constructed in many different shapes and sizes for many applications, from manufacturing and distribution centers, retail and commercial facilities, offices and schools, recreation centers and self-storage facilities, to healthcare and correctional institutions. ABC has the advanced design, engineering and manufacturing capabilities to be a single-source supplier for a wide range of metal building systems. ABC accomplishes this by offering a variety of building styles, framing styles, column shapes and girt conditions that can collectively satisfy virtually all building requirements.

### Roof and Walls with Warranted Quality

ABC produces top-quality metal roof and wall systems and components, and accessories for low-rise, non-residential metal building systems, which are guaranteed by some of the best warranties in the industry.

ABC offers a wide variety of metal wall products as well as industry-leading alternate wall products. With innovative products that provide aesthetic and design flexibility, ABC is the right choice for all building types.

ABC's standing seam roof and wall panel systems offer unsurpassed performance, appearance and value, with the industry's highest 35-year paint-finish warranty. Standing seam roofs are also practically maintenance free and are available with a solid 20-year warranty protection against roof leaks.

### More Colors. More Choices. More Cool.

Beautiful colors and color combinations increase the resale value of a building and create a sense of pride for the building's owners. That's why ABC offers both SP and PVDF cool coated panels for maximum flexibility and options.

Coated with special "cool" resins that reflect the sun's rays, both panel choices lower your energy costs while extending the life of the structure. This makes SP cool coated panels the sensible, practical choice for large warehouses, agricultural structures and commercial buildings. For high-visibility projects requiring even greater fade resistance and durability, PVDF cool coated panels offer yet another "cool" option. Having more choices gives you more flexibility and more options – and more ways to make your building a success. SP and PVDF cool coatings: the "cool" choice.

### Quality Certified

There are no compromises in quality when you choose an ABC custom-engineered metal building system. But you don't have to take our word for it. All four ABC divisions have achieved accreditation under the International Accreditation Service (IAS) AC472 Inspection Program for Manufacturers of Metal Building Systems. All of ABC's structures are manufactured in IAS accredited facilities. As an IAS accredited company, ABC is committed to quality, skilled workmanship and customer satisfaction.

This accreditation is given on the basis of independent third-party evaluation of every aspect of ABC's operation – and it's monitored through periodic follow-up audits.

Quality manufacturing that you can rely on. It's a tribute to ABC's technical and manufacturing leadership. More importantly, it's your assurance that when you choose an ABC building, you're choosing the best.



# American Buildings Company

## AMERICAN BUILDINGS COMPANY

Marketing Information Line  
T: 888.307.4338  
www.americanbuildings.com

## ATLANTIC DIVISION

501 Golden Eagle Drive  
La Crosse, VA 23950  
T: 706.562.8020  
F: 706.562.8017

## SOUTH DIVISION

1150 State Docks Road  
Eufaula, AL 36027  
T: 334.687.2032  
F: 334.688.2200

## MIDWEST DIVISION

2101 East Main  
El Paso, IL 61738  
T: 309.527.1500  
F: 309.527.1522

## WEST DIVISION

2260 Tenaya Drive  
Modesto, CA 95354  
T: 209.236.0580  
F: 209.236.0588

## GOING GREEN IS EASIER WITH METAL BUILDING SYSTEMS FROM ABC

As an ISO 14001-certified manufacturer, ABC is dedicated to protecting our environment and reducing waste. All four ABC divisions have achieved accreditation under the International Accreditation Service (IAS) AC472 Inspection Program for Manufacturers of Metal Building Systems. Every ABC teammate is responsible for environmental protection, and we also require contractors, vendors and suppliers to comply with applicable environmental laws.

Metal building systems are the poster child for sustainability and “green,” as steel is the most recycled material on the planet. Nucor typically recycles 22 million tons of scrap annually, including 9 million cars. Recycled steel reduces mining waste by 97%, air pollution by 86% and water pollution by 76%. Producing steel through recycling also uses significantly less energy than conventional steel making. In fact, the energy Nucor saves through recycling compared to conventional steel production is enough to power Los Angeles for 8 years. The typical ABC building is manufactured from at least 70% recycled steel. To top that, at the end of its useful life, 100% of an American building can be recycled into a variety of steel products, including new cars, appliances, buildings and bridges.

ABC was the first metal building manufacturer in North America to switch to 100% “cool” paint systems as standard, with no up-charge, for all roof and wall panels. This environmentally friendly “cool” technology was originally developed for stealth aircraft in the U.S. Military. These coatings help generate lower environmental temperatures, reducing smog and the heat island effect. What’s more, they help reduce cooling costs in hot summer months.



INNOVATION.  
TECHNOLOGY.  
SOLUTIONS.