



## BUILDING SYSTEMS CATALOG

EXCEPTIONAL PRODUCTS FOR EXCEPTIONAL PROJECTS





Invista Centre, Kingston, Ontario



**CLOCKWISE**  
Cycle North Powersports, Prince George, British Columbia  
Sight & Sound Theatre, Branson, MO  
Hartman Arena, Park City, KS  
Founders Brewing Company, Grand Rapids, MI

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## BACKGROUND

Founded in 1947 in Columbus, Georgia, as Steel Builders, Inc., a small regional fabricator taking part in the post-World War II economic boom, the Company was renamed American Buildings Company and relocated in 1964 to its current headquarters in Eufaula, Alabama. Over the years, American has enjoyed a dynamic growth history, as dynamic as the metal buildings industry itself. In 2007, American Buildings Company was acquired by Nucor Corporation, a Fortune 500 Company. Nucor and affiliates are

manufacturers of steel products, with operating facilities primarily in the U.S. and Canada. The development of American over the years has been due to its continuous entrepreneurial drive and spirit. American's advancement from its simple beginnings to its present position as one of the industry's leading manufacturers is based on the expansion of its Builder network, which presently extends across the U.S., Canada and the Caribbean. American supports its business with technical and customer service centers as well as fabrication facilities strategically located across the U.S., making it a truly nationwide manufacturer.



**ABOVE** *Steel Builders, Inc.* was later renamed American Buildings Company.

**RIGHT** *American Buildings Company Headquarters*



## AMERICAN CAN PROVIDE A VARIETY OF VALUE-ADDED SERVICES AND PRODUCTS:

### ROOFING

Architectural Metal Systems (AMS), a division of American Buildings Company, manufactures metal standing seam roof systems for new and retrofit construction markets and traditional metal roof panels and wall panel systems for remodeling applications throughout North America.

### SELF STORAGE SYSTEMS

Offering a complete line of proprietary turnkey systems and components, American's Self Storage Division can customize an engineered self storage system to meet practically any set of specifications. Whether it is a single-level, multi-level or climate-controlled system, American's self storage facilities are designed to reduce costs and expand rental income.

### COMPONENTS

With a full range of secondary structurals, purlins, wall and roof panels, doors, windows, skylights, flashing, trim, accessories and hardware, American's Components Division provides fast and economical service for projects requiring metal building components rather than a complete building system.

### NATIONAL ACCOUNTS PROGRAM

As a single-source supplier with multiple manufacturing locations, American can deliver complete, turnkey construction projects coast-to-coast by working with leading North American firms to coordinate with its extensive Builder network. Projects range from distribution centers to retail outlets for many well-known brand names across North America.

### TRANSPORTATION SERVICES

As a sister company to American, ABC Transportation provides dedicated flatbed carrier services for American, continuing to specialize in delivering finished goods. With over thirty years of experience in providing delivery service to the engineered steel building and components industry and its customers, ABC Transportation is one of the oldest, most reliable carriers in its field, operating a full fleet of well-maintained tractors and trailers equipped with the latest technology available in two-way satellite communication systems.





# KEY STRENGTHS

Since 1947, American Buildings Company has pioneered the design, manufacture, and delivery of metal buildings and roofing systems that have set the industry standard. With one of the widest arrays of product offerings, from simple to complex multi-story buildings, American's Builder network throughout North America has the expertise to deliver top quality metal building systems and services. Here are a few of the reasons why:

## QUALITY & ENGINEERING LEADERSHIP

- American was a pioneer in adapting technology to the design of metal building systems.
- American's engineering staff provides accurate design and quick turn-around of complex projects, enabled by their decades of experience and state-of-the-art technology.
- Nationwide U.S. fabricating facilities use sophisticated machine tools to translate drawings into precise, quality-controlled building systems.
- A network throughout the U.S. of technical and customer service centers provides immediate expert assistance on the jobsite.
- ABC's commitment to quality is not just an empty promise. All four ABC plants are IAS accredited to make sure that we deliver on it.
- By choosing an International Accreditation Service (IAS) AC472-accredited building systems manufacturer, you'll be working with a company that knows quality building systems and has the expertise, resources and infrastructure to provide quality work. You'll also know your manufacturer complies with special inspection requirements in Chapter 17 of the International Building Code.
- You'll get all this and more when you choose ABC and any one of its authorized Builders. As an IAS accredited manufacturer, ABC is committed to quality, skilled workmanship and customer satisfaction.

## RESEARCH AND DEVELOPMENT

- American's R&D team is knowledgeable in all major North American building codes and constantly at work to improve and innovate all products.
- Since its inception, American has been a leader in product quality and innovation, developing technologies and systems to enhance precision, speed, and ease of building systems erection.
- Extensive testing both in the lab and in the field optimize structural strength and integrity while assuring proper building code approvals are achieved and maintained so as to meet or surpass all applicable insurance and building code requirements.
- American's research and development efforts ensure long, trouble free performance of its building systems, which are backed by strong warranty and erection/installation quality certification programs.

## PRODUCT DESIGN FLEXIBILITY

- Total design flexibility – use American's system either alone or in combination with traditional building materials.
- Non-load bearing walls permit wide clear span interiors unobstructed by interior columns, while special loadings for cranes or other heavy equipment can be incorporated into designs.
- Interior layout possibilities of American's building systems are practically unlimited, enabling utmost flexibility for workflow or storage requirements.
- American was the first metal buildings manufacturer in North America to switch to 100% "cool" paint systems as standard, with no up charge, for all roof and wall panels. We offer two "cool" panel finish options. Our SP Cool™ panels come in several long-lasting color choices and a 25-year finish warranty. Coated with special "cool" resins that reflect the sun's rays, SP-Cool™ panels lower your energy costs while extending the life of the structure. This makes SP-Cool™ panels a sensible, practical choice for larger warehouses, agricultural structures and commercial buildings.
- For high visibility projects requiring even greater fade resistance and durability, SmartKote® PVDF coated panels offer another "cool" alternative. SmartKote® panels are available in a variety of beautiful color choices with an optional 35-year finish warranty. PVDF resin chemistry is the most durable, long-lasting system on the market. And 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.
- Above all, American's buildings incorporate fewer parts on the jobsite, which means quicker erection with less labor time.

## WARRANTIES THAT SEAL THE DEAL

- Our SmartKote® panels are backed by some of the best warranties in the business, with a wide variety of coverage and tougher inspections, all tailored to fit your needs. Our highly flexible multi-level warranty packages can provide you with as little or as much coverage as your project requires.
- Our **WEATHERSure™** warranties include a Manufacturer's Workmanship warranty, a 25-year Exterior Material and Finish warranty offering protection against fading, chipping or peeling, and more.
- American's standing seam roof and wall panel systems offer unsurpassed performance, appearance and value, with the industry's highest 35-year paint finish warranty. In addition, our standing seam roofs are practically maintenance free, and are available with a solid 20-year warranty protection against roof leaks.

## ROOF RETROFIT

Metal roofing systems from Architectural Metal Systems, a division of American Buildings Company, save money. Retrofitting your building with an energy-saving AMS metal roof is a smart investment that yields valuable returns for decades. Conventional flat roofs are costly to maintain and last about 15 years. A metal standing seam roof, on the other hand, can last more than 40 years and needs only minimal maintenance.



LEFT *Before*  
RIGHT *After*



St. Joseph's Parish, O'Hara Township, PA



## BUILD SMARTER WITH TALON®

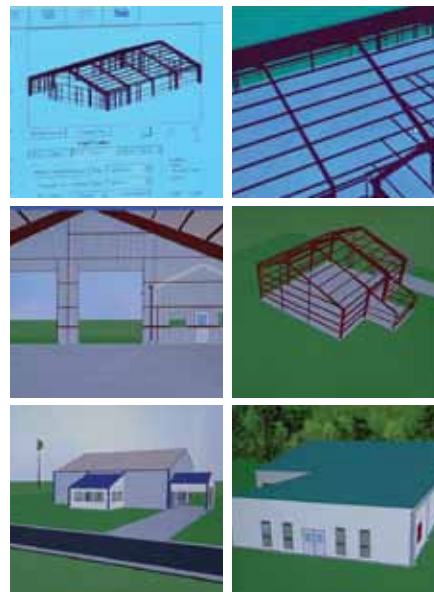
TALON®, the industry's leading proprietary design, pricing and ordering software, provides fast, accurate estimates with proper engineering and code compliance built right in. Detailed graphics offer a clear picture of what you're quoting. Special fly-through renderings take you on a dazzling, 3-D tour of your building. TALON® is just one of the many tools ABC offers to make your planning and building process run smoothly.

## AMERICAN CAN DO IT ALL

American offers a variety of techniques and solutions for a variety of requirements and exterior aesthetic appearances. Keeping pace with the latest in exterior looks and internal space requirements, American Buildings Company has the building systems to address today's major construction challenges.

### TALON® FEATURES AND BENEFITS

- Easy to navigate
- Easy-to-use interface
- Accurate estimating and pricing
- Dynamic 3-D renderings provide visual feedback as a valuable sales tool
- Rendering export to 3-D Studio and other formats
- Built-in engineering and code compliance
- Ability to modify deflection limits
- Hips and valleys
- Electronic documentation option
- Framed opening and accessory wizards
- Partial height portal frames and tie-back bracing
- Roof liner panels and rendering
- SmartKote® and SP Cool™ coating options



*"American's TALON® Program is a valuable, well-supported pricing and design program. TALON® is backed by a superior group of detailers, designers and estimators. This team is both responsive and good at what they do."*

**Jim Eiting**  
American Structures Company

*"The tools American provides its Builders, such as TALON® training and numerous builder-training programs, have been extremely valuable in helping to make us a successful American Buildings Builder. TALON® has become more and more user friendly and it is clear American Buildings Company has worked hard to improve and change this estimating program. It is a pleasure being a partner of American Buildings."*

**William D. Miles,**  
Miles Construction, Carson City, NV

### HARDWALL BUILDINGS

American fabricates systems for use on hardwall buildings with loadbearing or non-loadbearing concrete or masonry walls. These special systems are designed to be field erected with an American Builder providing site-cast or tilt-up concrete walls, in-plant pre-cast concrete walls, or other hardwall exterior solutions, depending on the specification requirements. The primary framing designs by American give the structure a conventional look, and include a special diaphragm design to handle lateral building loads. American also has developed proprietary wall-to-roof connections and wall insulation solutions for these systems.

All hardwall systems are designed to accommodate the full range of American Standing Seam Roof systems for optimum, long-lasting warranted weathertightness with minimal or no maintenance and are manufactured in IAS accredited facilities across the U.S. They are designed to provide a competitive construction alternative for many types of building projects.



### HEAVY FABRICATION

American's heavy fabrication capabilities blend the efficiency of metal building systems with the strength of conventional steel. This means heavy duty requirements can be met at the most reasonable cost possible with a single-source responsibility. For example, American manufactures precision box girders that can be used to support cranes or other heavy loads and provide open spans of 70 feet or more between columns.

With its complete in-house engineering and computer-design groups, American can design, engineer, and manufacture in its facilities. Our roll forming, welding and shearing equipment, and continuous run processing provide uniform quality and measurement accuracy – virtually everything required for heavy structures, no matter how large or complex.





## WHY CHOOSE AN IAS ACCREDITED MANUFACTURER?

You know quality is important. But how can you be certain your building systems manufacturer is delivering on its quality promise?

By choosing an International Accreditation Service (IAS) AC472-accredited building systems manufacturer, you'll be working with a company that knows quality building systems and has the expertise, resources and infrastructure to provide quality work. You'll also know your supplier complies with special inspection requirements in Chapter 17 of the International Building Code.

American Buildings Company has achieved accreditation under the International Accreditation Service (IAS) AC472 Inspection Program for Manufacturers of Metal Building Systems. IAS AC472 covers structural welding (modeled after AC172), cold form steel fabrication and engineering. To achieve accreditation, a manufacturer must have in place a comprehensive quality-assurance program unequaled in the marketplace.

When you do business with an IAS accredited manufacturer, it shows. It means that you're serious about the quality of the materials that go into your building and the capabilities of the company who supplies them. You get all this and more when you choose American Buildings Company and any one of its authorized Builders.

As an IAS accredited supplier, American Buildings Company is committed to quality, skilled workmanship and customer satisfaction.



## VARIETY OF APPLICATIONS

As the metal buildings industry commenced its post-World War II boom, the Quonset™ hut design was prevalent. However, the industry soon gave way to a new form of sheet metal clad buildings that could be designed and constructed rapidly. The look and design were basic, but the speed with which the buildings could be erected and the jobsite handed over were unsurpassed. However, over the years, the demand for aesthetics helped guide the industry to more sophisticated looks and use of materials, while still demanding quick turnaround of product and fast

delivery. American Buildings Company helped to lead this change with its use of advanced technology and design techniques.

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



*Cedar Creek Church, Whitehouse, OH*



*Duggins Construction, Inc., Imperial, CA*



*Midfield Supply, LTD, Bonnyville, Alberta*





*The Union Bank Company, Ottawa, OH*



*Advantage Ford, Stuart, FL*



*Annmarie Garden Gallery Building, Dowell, MD*



*Apex Public Safety, Apex, NC*

## COMMERCIAL AND RETAIL

With appearance and working efficiency being central to successful commercial or retail buildings, the complete flexibility offered by American building systems for exterior appearance, together with convenient and inviting interior layouts, maximize usable space and provide a winning combination and solution for commercial and retail needs.

## OFFICE

Building systems by American are designed to provide efficient work space while creating a favorable exterior impression, key goals in office building construction. Through their ease of erection, on-site time and labor costs are minimized, yielding faster occupancy.

## GOVERNMENT AND INSTITUTIONAL

To create facilities flexible enough for multiple applications and a variety of uses under one roof, American building systems offer complete freedom of design, both internally and for the exterior, that allow for minimum maintenance and flexible, cost-efficient future expansion opportunities.

## WAREHOUSE AND DISTRIBUTION

Clear span spaces, long bays, mezzanines, high eave heights – American can meet any functional requirement such as rack storage or conveyors while allowing for maximum usable storage capacity and operating efficiency, all with a high-tech, aesthetic exterior look.



### CLOCKWISE FROM LEFT

*Branson Mill, Branson, MO*

*Faucets Direct, Chico, CA*

*Hi-Stat Manufacturing, Lexington, OH*

*ABC Computers, Waupaca, WI*



### CLOCKWISE FROM TOP

*Johnstone Supply, Omaha, NE*

*Red Deer Bottling Co. Ltd., Red Deer, Alberta*

*Feridies - The Peanut Patch, Courtland, VA*

*INVISTA Centre, Kingston, Ontario*







*Fischer Tool & Die, Temperance, MI*

*National Oilwell Varco, Lloydminster, Alberta*

*Glendale Estate, St. Mary's, PA*

*John Billiou, Porterville, CA*

## MANUFACTURING AND INDUSTRIAL

Offering complete flexibility of layout and workflow, American building systems allow for use of cranes and other heavy equipment as required in most manufacturing and industrial applications, while also allowing for fast, economical future building expansion if required.

## TRANSPORTATION

American building systems provide full layout flexibility and clear span capabilities to meet all the functional requirements, such as storage and loading dock needs of modern transport facilities, while allowing for maximization of interior space usage at lower total life cycle costs than other building types.

## AGRICULTURE

For most agricultural bulk storage needs, such as storing grain, soybeans, peanuts, cottonseed, or corn, American can provide lighter loadbearing structures, as well as a variety of storage shed options.

## RECREATION

Custom-designed clear span systems of American buildings meet all open playing and spectator space needs, along with locker, child-care, lounge, foodservice, and other related facility requirements.



### CLOCKWISE

*Sun Air, Pasadena, CA*

*Jet Ranch Building 3, Carson City, NV*

*Quonset Airport Hangar, North Kingstown, RI*

### CLOCKWISE FROM RIGHT

*South Okanagan Events Centre, Penticton, British Columbia (interior & exterior),*

*YMCA at the Ponds, Summerville, SC*







## GOING GREEN IS EASIER WITH METAL BUILDING SYSTEMS

All four ABC divisions have achieved ISO 14001 certification. As an ISO 14001 certified manufacturer, ABC is dedicated to protecting our environment and reducing waste. 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 American Buildings Company 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.

American Buildings Company was the first metal buildings 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.

*Opportunity Builders, Millersville, MD*



## IF YOUR BUILDING MANUFACTURER ISN'T ISO 14001 CERTIFIED, FIND ONE.

### WHAT IS ISO 14001?

The International Organization for Standardization (ISO) 14001 is a standard for Environmental Management Systems (EMS) that applies to all businesses, regardless of size, location or income. The standard aims to continually reduce the environmental footprint of a business and to decrease the pollution and waste a business produces. The most recent version of ISO 14001 was released in 2004 by the ISO, which has representation from committees all over the world. As an ISO 14001 certified manufacturer, ABC is dedicated to protecting our environment and reducing waste, while helping you improve your environmental performance. Green saves money. And that’s something we can all bank on.

### A RIGOROUS PROCESS

A company saying it is committed to environmental and sustainable concepts is one thing. Achieving ISO 14001 certification is quite another.

In order for an organization to be awarded an ISO 14001 certificate it must be externally audited by an accredited audit firm. For ABC, this rigorous, demanding process took a full year and included education and training for every team member.

We invested more than 10,000 hours to ensure all four divisions would reach the goal. The process was challenging, to say the least, but an extremely worthwhile investment, as it taught us how to better use resources and protect the environment.

### WHY IS ABC COMMITTED TO EMS?

Implementing Environmental Management Systems (EMS) yields both business and environmental benefits, including:

- Improved environmental performance
- Enhanced, sustainable compliance
- Prevention of pollution and conservation of resources
- Reduced risks
- Satisfied customer demand for EMS requirements
- Increased efficiency
- Reduced costs
- Enhanced employee morale
- Greater employee awareness of environmental issues and responsibilities

### KEEPING IT GREEN

To continually improve the effectiveness of our Environmental Management System, ABC is:

- Pursuing pollution prevention and waste minimization opportunities
- Investigating and developing technologies and operations that improve environmental performance
- Regularly evaluating the Environmental Management System and making ongoing improvements.

**American Buildings Company is making a difference in our plants and in the world around us.**



# BUILDING SYSTEMS

American 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.

American Buildings Company has the advanced design, engineering, and manufacturing capabilities to be a single-source supplier for a wide range of metal building systems. American accomplishes this by offering a variety of building styles, framing styles, column shapes, and girt conditions that can collectively satisfy virtually all building requirements.

## BUILDING STYLES

Building styles offered by American include three common designs. The Gable Style (GS) provides a traditional center ridged-roof slope available in a variety of pitches. The Single-Slope Style (SS) has similar characteristics of the Gable Style but in a single-slope configuration. The Lean-To Style (LS) resembles the Single-Slope but provides an economical means of making a building wider by extending its roofline; or it can be attached to a lower level on the building to provide additional office or storage space.



A **Gable Roof System (GS)** provides a roof with two sloping sides and a ridge. With optional tapered columns, this style of building is a cost-effective solution for office, warehouse, industrial, and commercial applications. The available straight column option provides a good system for palletized storage or display racks and is also ideal for shopping centers and other commercial buildings. The girts can be located in either a bypass or inset position and the roof slope can be as low as 1/4 : 12 or as steep as 6 : 12. The Gable Roof System is available with clear span frames or with interior columns, which provide economical solutions for wide buildings.



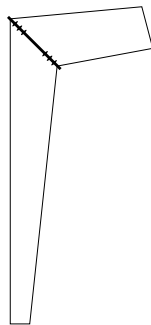
A **Single Slope System (SS)** provides a building with one roof surface. With single-side drainage, these systems are suitable for manufacturing facilities, warehouses, and retail shopping centers. The available tapered columns provide an inexpensive solution for wider buildings, while the available straight columns allow for maximum usage of interior space. The girts can be located in either a bypass or inset position and the roof slope can be as low as 1/4 : 12 or as steep as 6 : 12. Clear span frames are available or interior columns can be added to provide an economical answer for wide buildings.



A **Lean-To System (LS)** provides a cost-efficient means of making a building wider by utilizing a single slope system to extend the roofline of a building or by attaching to a lower level on the building. This is ideal when additional space for offices or storage is needed.

## COLUMN SHAPES

Column shapes are determined by several factors, including a building's required roof slope and interior clear spans. American provides two styles of column shapes. The Tapered Column is normally found in buildings where interior finishing is limited, such as warehouses, distribution centers, and storage facilities. The Straight Column allows for interior walls and maximum use of interior space.



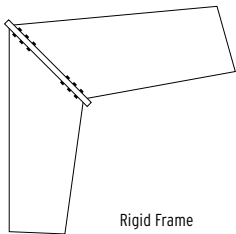
Tapered Column



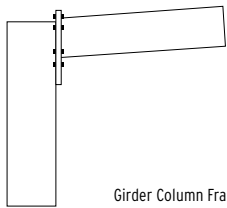
Straight Column

## FRAMING STYLES

There are two primary framing styles found in American's building systems. The Rigid Frame is the most economical style for clear span and modular widths. It is normally used in buildings where higher center clearance or greater roof slope is desired. The Girder Column Frame offers straight wall columns and inset framed girts. This style offers extreme widths and the lowest roof slope possible.



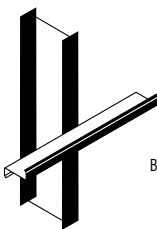
Rigid Frame



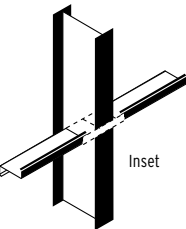
Girder Column Frame

## GIRT CONDITIONS

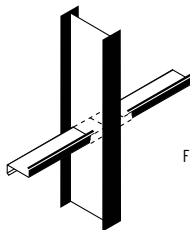
Girt conditions refer to the method in which horizontal girts are attached to the exterior columns in a building. The most common condition, the Bypass Girt, makes a continuous run around the outside of a building's columns, providing an air space the width of the girt between the column and the exterior panels. An Inset Girt minimizes the air space between the columns and exterior panels. Flush Girts provide no air space between the columns and exterior panels yet offer the maximum amount of floor space.



Bypass



Inset



Flush



## ClearBay® ROOF JOIST SYSTEM

In the growing market for larger, more open buildings and faster installation, American Buildings Company is going to great lengths to provide both. Spacious bays up to 60' provide the ultimate in versatility and open spaces owners need for any number of applications.

### FULLY BOLTED CONNECTIONS

ClearBay Roof Joists are available with fully-bolted connections eliminating the need for on-site welding, leading to faster and easier construction. Fully-welded connections are also available.

### REDUCED BRIDGING

The unique integration of ClearBay Roof Joists with ABC's Standing Seam 360 roof panel system requires less bridging, allowing for faster erection, less material and lower in-place cost.

### LOWER FREIGHT COST

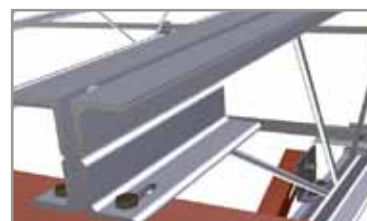
ClearBay Roof Joists are manufactured in SEVEN strategic locations across the United States. Frames are delivered faster and freight costs are significantly reduced.

### MADE IN NORTH AMERICA

American Buildings and ClearBay Roof Joist Systems are designed, detailed and manufactured at North American plants from North American steel.

### SINGLE SOURCE PROVIDER

With ClearBay framing, American provides design flexibility, building size flexibility, large bay flexibility, and delivery flexibility... all from a single source.



## SELF STORAGE

As the self storage industry has matured, demand for multi-story projects has increased. Factors contributing to this growth include decreasing availability of land, rising land costs, the rise in demand for climate-controlled space and planning and zoning requirements.

**ABC TAKES SELF STORAGE TO A WHOLE NEW LEVEL** Better buildings. Smarter systems. The next generation of self storage.

### DON'T BUILD OUT. BUILD UP.

American Buildings Company offers the next generation of self storage with multi-story systems that can generate maximum revenue in minimum land area.

Multi-story facilities provide more square footage in smaller spaces. These complex units can be built on the side of a hill or on land where a standard facility would not be possible, or the cost of changing the topography would be prohibitive. Building multi-story facilities is a specialty. Not all metal building suppliers are qualified to design and manufacture these more complex structures. Our IAS accredited manufacturing plants provide a third party endorsement you can count on. We'll guide you through every step of the process, including custom design, engineering and controlled manufacturing. All of these processes are certified for integrated quality, which reduces construction time and maintenance.

But multi-story units and state-of-the-art climate control are only the beginning. Our self storage units are all built with panels coated with SmartKote® or SP Cool™, which use technology originally developed for Stealth Aircraft in the U.S. Military to increase energy savings and promote cooler interior spaces. With SmartKote® and SP Cool™ panels, units are cooled from the outside in, so interior cooling systems don't have to work as hard, thus saving energy and money.

### FEATURES AND BENEFITS OF ABC'S SELF STORAGE SYSTEMS INCLUDE:

- Competitive pricing
- Custom design and engineering
- Single and multi-story options with flexible floor plans
- Operational efficiency and durability
- Fast, cost-efficient construction
- Controlled manufacturing process
- Reduced construction time and maintenance
- Climate-control and environmental temperature controlled facility options



CLOCKWISE FROM TOP

*Clima Storage, Kerrville, TX*

*Safeguard Self Storage, Yonkers, NY*





## PANEL SYSTEMS

All of American's roof panels are made of G90 zinc coated (galvanized) or AZ50 aluminum-zinc alloy-coated steel. All panels are available with American's proprietary SP-Cool™ or SmartKote® finishes, available in a broad range of colors that can be warranted for an optional 35 years against blistering, chalking or fading. Embossing of panels and trims is also available to enhance panel appearance.

### PANEL FINISHES

Vivid color. Eco-efficiency. Low maintenance reliability. Nothing works better longer than our SmartKote® paints. This revolutionary coating system consists of PVDF resin, acrylic resin and ceramic pigments, which give the product its incredible color, durability (fade resistance) and energy efficient "coolness." PVDF resin chemistry is the most durable, long-lasting system on the market. It is transparent to the ultraviolet light that breaks down other coating systems. Whereas non-cool materials absorb a majority of the sun's rays and generate heat, "cool" resins reflect them, keeping the paint coating itself cooler. This technology not only maximizes the life of your panels, it can ultimately lead to lower cooling costs.

In addition to our selection of beautiful SmartKote® PVDF coated panels, American Buildings Company also offers SP Cool™ panels in a variety of color choices. SP-Cool™ panels feature a 25-year finish warranty. Coated with special "cool" resins that reflect the sun's rays, SP-Cool™ panels lower your customers' energy costs while extending the life of the structure. This makes SP-Cool™ panels a sensible, practical choice for large warehouses, agricultural structures and commercial buildings. For high-visibility projects requiring even greater fade resistance and durability, SmartKote® PVDF coated panels offer another "cool"

option. Having more choices gives you more flexibility and more options - and more ways to make your building a success. SP-Cool™ and SmartKote®: The cool choice.

### COLOR WITHOUT CONFUSION

Beautiful colors and color combinations increase the resale value of a building and create a sense of pride for the building's owners. By contrast, poor color choices may diminish a building's value and curb appeal. For precisely these reasons, ABC, with the help of PPG and Pat Verlodt, a leading color consultant for non-residential buildings, has created a proprietary color combinations program that takes the guesswork out of choosing colors and helps you create combinations for virtually any project that enhance a design and complement the surroundings.

### WARRANTIES

We're proud of the fact that we offer the best warranties in the industry, such as our standard 25 years on our SP-COOL™ and an optional 35-year warranty on our SmartKote® paint finishes. An optional 20-year weather-tightness warranty that includes complete product replacement is also available with our unique **WEATHERSure™** Premium roof warranty with third party inspection.



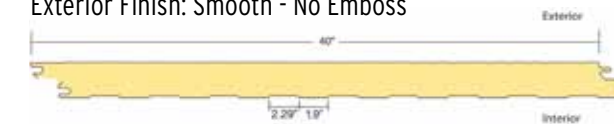
## INSULATED WALL & ROOF PANELS

ABC offers a selection of insulated wall and roof panels to accommodate the needs of any project. The wide panels install quickly and easily. Fasteners are concealed within the panel side joint, and the attractive profiles are an ideal solution where energy-efficient panels are required. In addition, the factory-applied finish of our new AdobeTexture™ wall panels combine an attractive appearance with durability, resisting the effects of impact, abrasion and weather.



### Striated Profile

Exterior Finish: Smooth - No Emboss



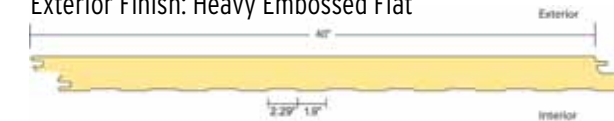
### Plank Profile

Exterior Finish: Smooth - No Emboss



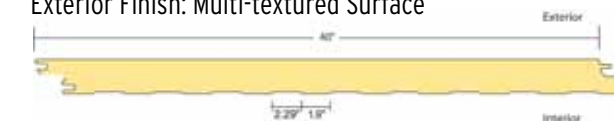
### Heavy Embossed Flat Profile

Exterior Finish: Heavy Embossed Flat



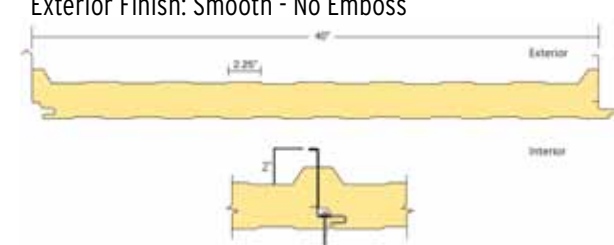
### AdobeTexture™ Wall Panels

Exterior Profile: Heavy Embossed Flat  
Exterior Finish: Multi-textured Surface



### Standing Seam Roof

Exterior Finish: Smooth - No Emboss







## THE ULTIMATE IN ENERGY EFFICIENCY

You get 100% reliable thermal performance and insulation continuity with no cavities, no gaps, no crushed insulation and no cold bridges. No changes of R-value occur when purlin and girt center dimensions are varied. The insulated core is one of the most thermally effective insulants commonly available today. Insulation values can be easily increased by simply increasing thickness of the panels. Significant improvements are achieved in air-tightness over many other types of construction.



AMERICAN BUILDINGS COMPANY WALL PANELS

SHADOW	These 16" net width embossed panels have deep fluted profiles that accent contrasting shadow patterns. Panels are 3" deep. They are offered in 24 gauge steel and are fastened to the framework from the inside leaving no exposed fasteners.	
ARCHITECTURAL III	These wall panels provide 36" width coverage with a decorative shadow line and semi-concealed fasteners. Rib height is 1-1/4" on 12" centers; and this panel is available in 26 gauge steel as standard. 22 and 24 gauge can be special ordered.	
ARCHITECTURAL "V" RIB	These wall panels provide 36" of coverage and reveal a sculptured appearance. With semi-concealed fasteners, the panels have a 1-5/16" high rib and are made of 26 gauge steel.	
LONG SPAN III	These wall panels have 1-1/4" ribs on 12" centers for an even-shadowed appearance. They offer 36" width coverage and are reinforced between the ribs for added strength. Panel is available in 26 gauge steel as standard. 22 and 24 gauge can be special ordered.	


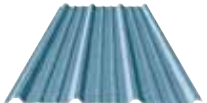





Jazz Sales, Springfield, MO



Rona Home Center, Nanaimo, British Columbia

AMERICAN BUILDINGS COMPANY ROOF PANELS

SEAM LOC	These architectural standing seam panels are connected with a 1-3/4" high snapped seam and are available in 12", 16" and 18" width coverage. They are designed to be utilized over solid substrates but can also be used over open structural framing. A minimum slope for the Seam Loc roofing panel is 3 : 12.	
LONG SPAN III	These roof panels have 1-1/4" ribs on 12" centers for an even-shadowed appearance. They offer 36" width coverage and are reinforced between the ribs for added strength. Panel is available in 26 gauge steel. 22 and 24 gauge can be special ordered.	
LOC SEAM & LOC SEAM 360	Loc Seam and Loc Seam 360 standing seam roof panels offer a flat profile for an attractive appearance on higher pitched roofs and are available with 12" or 16" of width coverage with 2" high ribs. Loc Seam 360 panels have full 360 degree rolled seams formed with an electrical seaming machine.	
STANDING SEAM II & STANDING SEAM 360	In American standing seam roof systems, the roof floats on a system of sliding clips that prevent damage from thermal expansion and contraction. For greater weathertightness, standing seam designs also eliminate 80% of the through fasteners found in other systems. American Standing Seam II and Standing Seam 360 panels provide 24" width coverage with 3" high ribs. Standing Seam 360 panels are joined by an electric seaming machine, developing a full 360-degree rolled seam to ensure weather-tightness – a seam type preferred by many architects and specifiers.	<div><p>STANDING SEAM II</p><p>STANDING SEAM 360</p></div>



New Bainbridge High School, Bainbridge, GA



## ACCESSORIES

In addition to providing a comprehensive metal building system, American offers a variety of optional products sourced from reliable outside partners to accessorize and enhance virtually any building system, thus making American a single-source supplier for custom engineered metal building systems. Some of the many accessories available with an American system include:

### INSULATION

No metal building system would be complete without insulation, available as either Blanket Insulation or Foil-Faced Rigid Insulation in a variety of thicknesses and vinyl facings.



### PRE-ASSEMBLED WALK DOORS

Completely factory assembled Walk Door systems include all hardware and the sub-frame (framed opening) for quick installation. Best of all, they have the highest insulation value of any door on the market.



### DOOR OPTIONS AND ACCESSORIES

Supplement a pre-assembled door system with factory-installed options and accessories to suit any need, such as standard duty or heavy-duty closers, panic devices, standard mortise locks, ball-bearing hinges, latch guards, or glass "lites" or glass panes available in narrow, vision or half glass.



### WINDOWS

Improve the view with a window system designed specifically for metal building systems, available in standard or custom styles and sizes in Standard, Narrow Light, or Thermal Barrier options.



### SKYLIGHTS

For additional indirect lighting needs, translucent Skylight reinforced panels—made of woven fiberglass cloth and glass fibers and created in the same configuration as metal wall or roof panels—provide an optimal solution.



### SOFFIT PANELS

Designed for commercial Soffit or Fascia applications where a flush modular appearance is desired, Painted Steel Flush Soffit Liner Panels are made of 24 gauge zinc-coated or aluminum-zinc alloy-coated steel with standard profiles available in 12" widths.

### ROOF CURBS AND SUPPORT SYSTEMS

Roof Curbs are available in a full line of options and accessories designed to support HVAC units, roof hatches and other openings and have a 20-year material warranty.



### DOWNSPOUTS AND ELBOWS

Essential for proper drainage, Downspouts and Elbows are available in 29 gauge corrugated zinc-coated or aluminum-zinc alloy-coated steel with a color coordinated pre-painted finish.

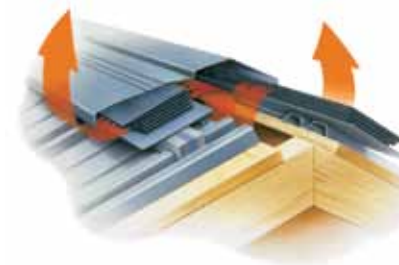
### PIPE FLASHING

To eliminate the possibility of water back-up which can cause leaks, single-piece Pipe Flashing is made from an EPDM membrane and is flexible for mounting on any roof slope.



### METAL WALKWAY SYSTEMS

To prevent standing seam roof damage during installation and routine maintenance, Metal Walkway Systems protect a roof from dishing or puncturing due to foot traffic and can allow roof access in any weather condition.



### RIDGE VENTILATION

Balanced Low Profile Ridge ventilation systems are made to best utilize natural forces and are ideal for hard-to-vent soffit details, like zero overhang, stucco or open-rafter applications.

### RIDGE VENTS

To control the movement of fresh air through a building while removing hot, stale and contaminated interior air, stationary, gravity-flow Single or Continuous Ridge Vent systems can properly and effectively control air movement.



### WALL LOUVERS

Wall Louvers provide excellent ventilation in vertical positions and are self-mulling and self-flashing, requiring no additional flashing to complete installation.

### GRAVITY VENTILATORS

Designed for economical, low volume air movement to ventilate warehouses, light industrial buildings, attics, lofts and other buildings, Gravity Ventilators create a free, unobstructed flow of ventilation air.





## BUILDING SYSTEMS



*Wildcat Harley-Davidson, London, KY*



*Destin United Methodist Church Life Center, Destin, FL*



*White River Valley Electric, Gainesville, MO*



*Calhoun Memorial Hospital, Arlington, GA*



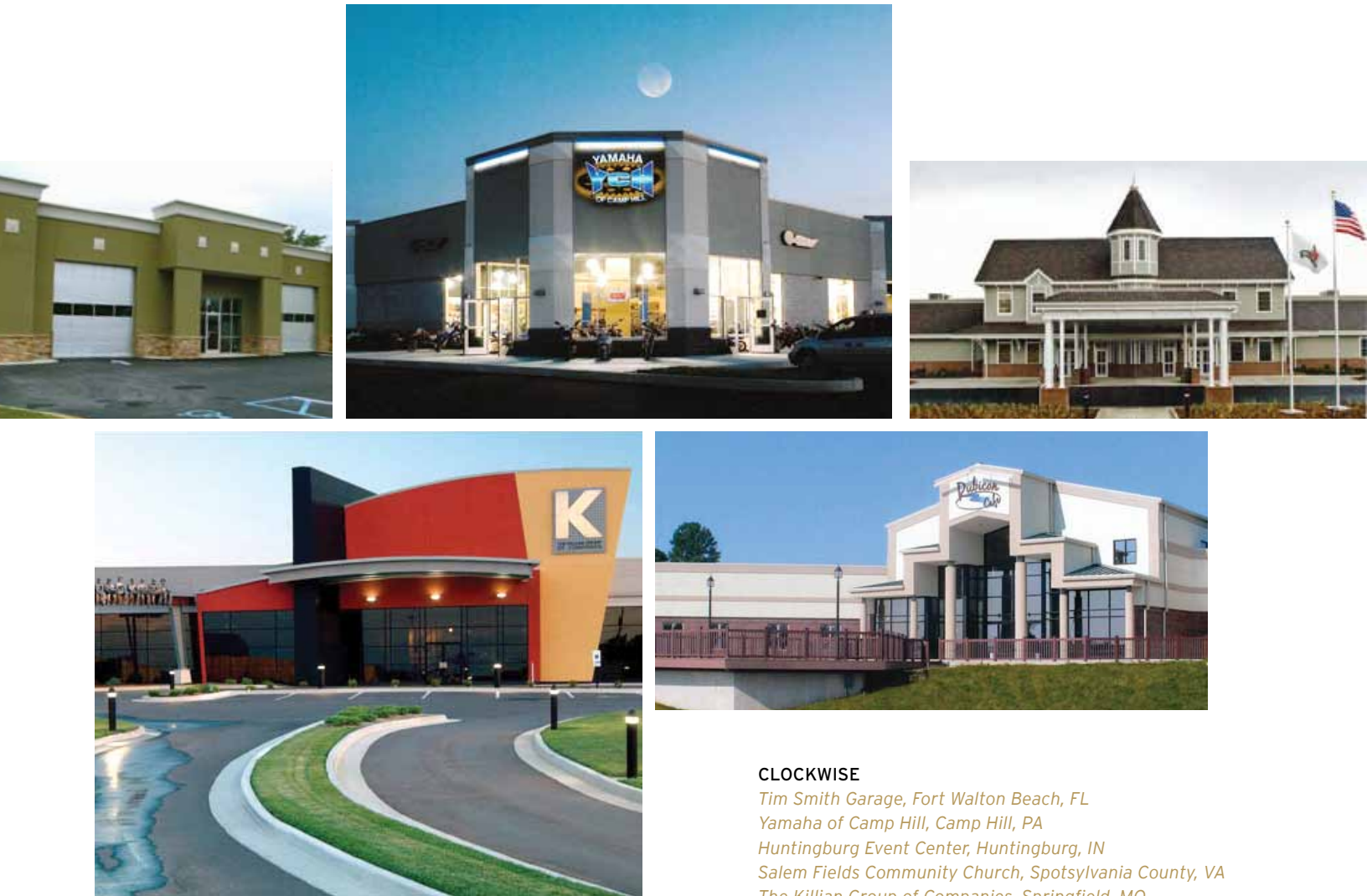
*Mountainbrook Community Church, San Luis Obispo, CA*



*Utah Paperbox, Salt Lake City, UT*



American Buildings Company is in constant pursuit of excellence in the design, technology, manufacture and service of its metal building systems. With over 65 years of distinction for its wide variety of high quality products offering total solutions for a multitude of custom engineered metal building system needs, American soars above the rest. Supported by a network of Builders throughout the U.S., Canada and the Caribbean together with manufacturing and service centers across the U.S., American can address nearly every need.



**CLOCKWISE**  
*Tim Smith Garage, Fort Walton Beach, FL*  
*Yamaha of Camp Hill, Camp Hill, PA*  
*Huntingburg Event Center, Huntingburg, IN*  
*Salem Fields Community Church, Spotsylvania County, VA*  
*The Killian Group of Companies, Springfield, MO*





## EXCELLENCE IN:

AGRICULTURAL	CHURCH/RELIGIOUS CENTERS
COMMERCIAL	GOVERNMENT/INSTITUTIONAL
GREEN BUILDINGS	MANUFACTURING/INDUSTRIAL
OFFICE	RECREATION
RETAIL	ROOFING
ROOF RETROFIT	SELF STORAGE
TRANSPORTATION	WAREHOUSE/DISTRIBUTION

