

Style & Functionality
with design simplicity



Star Building Systems

STANDARD BUILDING PLANNING GUIDE



WELCOME TO STAR



A STAR BUILDING SYSTEM IS A BUILDING SYSTEM THAT LASTS

If you're planning a building project and you want security, both in the integrity of your structure and in your supplier, then Star Building Systems is your first call. At Star, you're not given parameters. You're given options, lots of options, regardless of end use. Schools. Factories. Retail Centers. Warehouses. Star Building Systems does it all. Our state-of-the-art metal construction solutions help ensure your building's longevity.

Star knows firsthand about the importance of longevity. Founded in 1927, Star Building Systems has seen and done it all, from supplying tool sheds for oil derrick drilling sites in the early oil boom days to air hangars during World War II. The key to Star's longevity? Changing with the times and trends and evolving to better serve the construction project at hand.

As a technological leader in the industry, Star sets the standard for innovation. Because of this, a Star building will go the distance. A Star building can be a green building. A Star building can be a beautiful building. A Star building can be your building.

As you read through this brochure, consider the longevity and magnitude of Star Building Systems itself. With nearly a century of experience and over 300,000 satisfied customers, Star Building Systems has more than withstood the test of time. So can your building.



THE POWER OF STAR

Star Building Systems is an international provider of quality, long lasting metal building systems. Looking for longer overall life spans? Star has you covered. Our construction capabilities allow you to design and build structures that are multi-functional and multi-faceted. Our products give you the freedom to create a building that is attractive and cost effective. Star works with you and the builder to meet budgetary needs and make room for expansion possibilities later on. Waste reduction practices utilized in the design phase ensure financial value.

As a national company, we are able to design to meet any local or national building code requirements and provide state registration by our professional engineers in any state requiring such registration.

Star products are inspected frequently throughout the manufacturing process ensuring your receipt of a top quality and dependable system. Star's national manufacturing facilities function at maximum operating efficiency, promising you timely delivery.

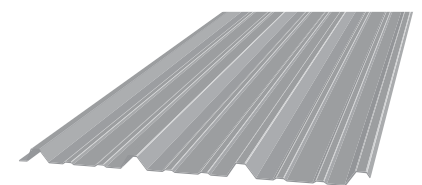
The benefits of building with Star Steel are numerous and far from limited:

- **Building with metal allows for faster construction times, saving time and money.**
- **Metal construction offers more design flexibility and versatility when compared against more traditional materials like wood or concrete.**
- **Star metal buildings and products require less long term maintenance.**
- **Star offers green solutions that are environmentally and economically friendly.**
- **Star products are available in multiple colors, finishes and silhouettes for additional design options.**
- **Star metal construction products can be used in tandem with other, more traditional building materials.**

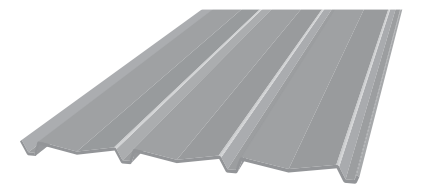
ROOF & WALL SYSTEMS

A Star building is more than structurally sound. A Star building is beautiful, eye-catching, attractive. This is due in part to our selection of superior-quality roof and wall panels, all of which are available in a variety of colors, and finishes. Regardless of your project application, Star has the products to get the job done, from simple screw-down panels to state-of-the-art standing seam roof panels. Take a look.

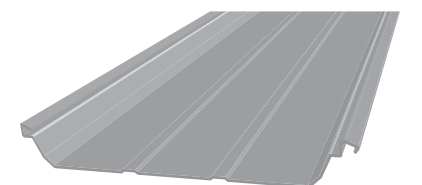
PBR Roof and Wall Panels PBR is a 36" wide panel that works well for roof and wall, as well as liner, mansard and soffit panel applications. Its 1¼" deep ribs create an even-shadowed appearance and the area between the ribs is reinforced with minor ribs. The attachment of the panel is made from the exterior with color matched fasteners. Available in 26 and 24 gauge. For available colors, see color chart on page 5.



PBA Wall Panel PBA is a 36" wide panel with semi-concealed fasteners. The panel profile produces a decorative, smooth shadow line resulting in a distinctive architectural effect. Ribs are 1⅛" deep and major corrugations are spaced 12" on center. The attachment of the panel is made from the exterior with color matched fasteners. Available in 26 and 24 gauge. For available colors, see color chart on page 5.



Double-Lok® Roof Panel DoubleLok is a 24" standing seam panel attached to the sub-framing using a variety of concealed, interlocking clips that provide for minimum panel penetrations. The 24 gauge panel provides ultimate weathertightness and wind uplift resistance. Recommended for roof slopes of ¼:12 or greater. For available colors, go to www.StarBuildings.com.



ACCESSORIES

From gutters and downspouts to ventilators, windows and canopies, Star offers a complete line of worry-free accessories. All of which add to a finished building with a unique presence. Our accessories are specifically designed to work with Star's durable roof and wall systems. They reinforce the building's structural integrity. They ensure its weather tightness and energy efficiency. If you need overhangs, entry doors, store fronts or thermal windows, Star accessories compliment the appearance and functionality of your building.



STANDARD COLOR OPTIONS

PBR & PBA

SIGNATURE® 200

SILICONIZED POLYESTER | POLAR WHITE IS A STRAIGHT POLYESTER

				
POLAR WHITE ★ SR .58 SRI 69	LIGHT STONE ★ SR .50 SRI 58	FERN GREEN ★ SR .28 SRI 29	HAWAIIAN BLUE ★ SR .32 SRI 35	DESERT SAND ★ SR .42 SRI 48
				
ASH GRAY ★ SR .48 SRI 56	SADDLE TAN ★ SR .48 SRI 56	RUSTIC RED ★ SR .36 SRI 40	GALLERY BLUE ★ SR .28 SRI 29	
				
CHARCOAL GRAY ★ SR .28 SRI 29	KOKO BROWN ★ SR .28 SRI 29	BURNISHED SLATE ★ SR .28 SRI 29	CRIMSON RED ★ SR .38 SRI 42	



★ ENERGY STAR
Qualified Color

SIGNATURE® 300

KYNAR 500® | HYLAR 5000®

			
SNOW WHITE ★ SR .65 SRI 79	ALMOND ★ SR .63 SRI 76	SLATE GRAY ★ SR .37 SRI 41	HARBOR BLUE ★ SR .28 SRI 30
			
BRITE RED ★ SR .49 SRI 55	BROWNSTONE ★ SR .47 SRI 54	MEDIUM BRONZE ★ SR .33 SRI 36	CLASSIC GREEN ★ SR .28 SRI 30

- Final color selection should be made from actual color chips.
- For the most current information available, visit our website at www.starbuildings.com.
- See product catalog for gauge and color availability.
- Heavier gauges, narrow widths, striations and embossing minimize "oil canning".
- A 25-year limited paint warranty is available for all colors upon written request. (Outside the continental USA please inquire.)
- Signature® is a registered trademark of NCI Group, Inc. KYNAR 500® is a registered trademark of Arkema, Inc. HYLAR 5000® is a registered trademark of Solvay Solexis.

What is Solar Reflectivity (SR)?

Solar reflectivity or reflectance (SR) is the ability of a material to reflect solar energy from its surface back into the atmosphere. The SR value is a number from 0 to 1.0. A value of 0 indicates that the material absorbs all solar energy and a value of 1.0 indicates it is all reflected. ENERGY STAR requires SR testing of both new and aged roof products. New products must have an SR value of 0.25 or higher for steep slope (above 2:12) roofing and an SR value of 0.65 or higher for low slope (2:12 or less) roofing. Aged testing takes 3 years to complete, so not all products that meet the initial requirements are qualified. For more information, please go to www.energystar.gov.

What is Solar Reflectance Index (SRI)?

The SRI is used to determine compliance with LEED requirements and is calculated according to ASTM E 1980 using values for reflectance and emissivity. Emissivity is a material's ability to release absorbed energy. To meet LEED requirements, a roofing material must have an SRI of 29 or higher for steep slope (above 2:12) roofing and an SRI value of 78 or higher for low slope (2:12 or less) roofing. For more information, please go to www.usgbc.org.

For paint specifications and technical data, please visit www.StarBuildings.com

BUILDING APPLICATIONS

No matter what your need, you will find that Star's time-tested processes and products are an excellent choice for any end use application, including retail and commercial, warehouse, manufacturing, farm and agricultural, institutional and government.

Rectangular, gabled buildings, our traditional product, are still an important part of the marketplace while offering attractive and functional facilities.

These simple, efficient designs lend themselves to other advantages, those of lower construction costs and quicker occupancy. Efficient gabled designs offer several types of economy. They provide the best examples of computer technology using established, systematized design. These shapes allow automated fabrication practices that also keep costs low.

Star's products are designed for optimal strength and efficiency, resulting in unmatched long-term value and cost savings, benefiting you before, during and after construction. Erection of these popular structures is simple, labor-saving, and familiar to erectors. All of this combined saves you money, and you'll be in business faster.

And Star Buildings save on future upkeep and maintenance costs because of the performance-proved, quality materials used in the manufacturing process.





THE STAR BUILDER NETWORK

Star is proud to partner with hundreds of Builders that sell Star Building Systems to a variety of end users. Star and Star Builders work together as a team to provide you with the very best solution for your building needs. Star Builders are some of the most qualified, reputable builders in the industry who understand local building codes and permitting requirements. They're full service contractors offering expertise from concept to completion, delivering your project on time and on budget.

THE GREEN IN STAR

Building energy efficiently has become a priority in the construction industry. Star Building Systems, along with parent company NCI Group, Inc., is leading the way. Our environmentally friendly construction products and practices help reduce excess waste and energy consumption. Simultaneously, Star's products and practices add to the longevity of your structure.

Star's metal roof and wall panels consist of at least 25 percent recycled material. When utilized with Star structural members, a complete Star building can contain anywhere from 30 to 50 percent recycled material.

Cool Roof Colors can reduce energy consumption, minimize urban heat islands and improve cost savings. Many of Star's Cool Roof Color Options meet the reflectivity and emissivity performance levels required by LEED and ENERGY STAR. Excellent reflectivity properties require less energy to heat and cool the building overall.

A Star Building System stands the test of time. A Star building is never out of place. Our building solutions allow for endless construction possibilities. As your next project approaches, reach for Star.

Star Building Systems is a division of NCI Group (NYSE: NCS), a family of companies and people dedicated to delivering a higher standard of performance to you and your business. NCI Group is the largest integrated manufacturer and marketer of custom designed metal building systems, metal building components and metal coil coaters in North America.

Some products offered through Star are manufactured by Star's sister companies, MBCI, IPS and DBCI. Star Building Systems is proud to align itself with these companies.

Star Building Systems is not liable for damages incurred as the result of improper erection procedures. Star buildings are erected by independent contractors who are not agents of Star. Descriptions and specifications contained herein were in effect at the time this publication was approved for printing. Star reserves the right to discontinue or change specifications and/or designs without notice and without incurring obligation.



Reach for Star

For more information about how **Star can add to your success,**
call **1-800-879-7827** or visit **www.StarBuildings.com.**
Join the team you know you can depend on.

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