

Northland Steel Buildings™ Advantage

Northland Steel Buildings™ are contractor-friendly metal buildings because they are designed and manufactured from a contractor's perspective. Long before we became a manufacturer, we were a metal building contractor. We knew there had to be a better way to engineer and erect metal buildings. To that end, we partnered with two state-of-the-art plants that combined design features from the construction trades with streamlined manufacturing techniques. The discipline of IAS AC472 accreditation (U.S.) and CSA-A660 (Canada) certified quality is evident from start to finish. The end result is the strongest, most efficient and most corrosive-resistant metal-buildings on the market today. **Northland Steel Buildings™** are designed for the harsh northern climate and set the industry's benchmark for quality.

We make it possible for builders to provide competitive pricing, fast construction and on-time completion by delivering complete building systems. We design and manufacture rigid frame clear span buildings of all sizes. Our projects range from manufacturing plants, commercial buildings and warehouses, to schools, churches and recreational facilities, to airplane hangars, climate-controlled facilities and other multi-use structures. No building is too large or too complex for us. And every Northland building is built on a foundation of technical knowledge that has become our trademark.



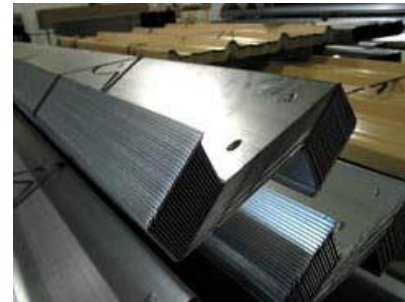
Northland Advantage

- Anchor Bolt Drawings to you in just 2 to 3 days! Drawings to you in just 4 to 5 days!
- Delivery in 4 weeks! (Depending on complexity) Guaranteed on-time delivery and outstanding customer service.
- Quality Certifications: IAS AC472 (U.S.), CSA-A660-04 (Canada) Modern, state-of-the-art manufacturing facility.
- Committed to providing environmentally friendly products. Galvanized purlins, girts and door jambs for better metal protection. Extended bays up to 50 feet.
- Factory-applied clips - fewer loose parts, faster erection times
- Trinar® 40-Year Limited Warranty finish wall panels for lasting appeal and lower maintenance costs.
- Northland Cool-Color roof panels - Saves money, good for the environment.
- User-friendly web sites.../ www.NorthlandSteelBuildings.com
- Northland web-based quote program.
- Northland Color on-line building and trim color preview application.
- Northland Components - order quality metal building components to compliment your building.
- Northland Steel Buildings™ are designed for the harsh northern climate.



Factory

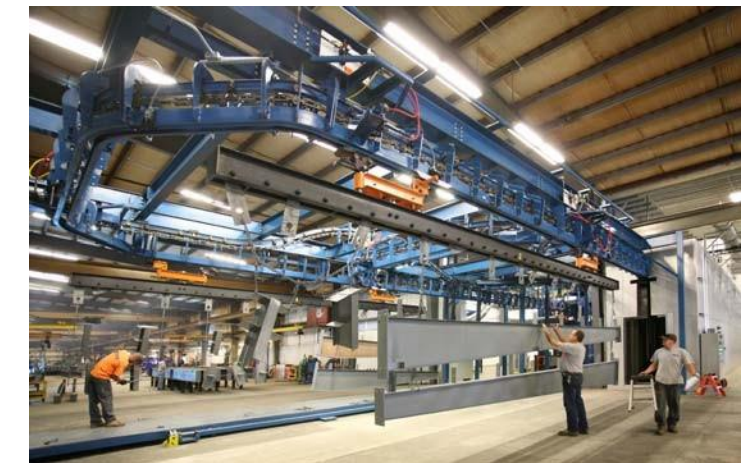
Northland Steel Buildings™ are designed for the harsh northern climate. The state-of-the-art, Steel Building Systems manufacturing facility serving New England is in Pennsylvania. Our certified engineers, professionals and expert craftsmen utilize the latest technologies to produce high quality steel frames, wall panels and standing seam roof panels. This plant is designed for maximum efficiency, significantly increasing our production capabilities and reducing lead times to meet our customers design and delivery requirements.



Multi-Station Paint Line

The most recent plant expansion and improvement project is a state-of-the-art multi-station paint line.

The line consists of a large track system that transports steel through the Shot Blaster before sending it through the Finishing Systems paint booth. Paint is applied using an electro-static process. Once painted, the steel travels through the cure oven, providing a long-lasting, high-quality finish.



This energy-efficient, environmentally-friendly process utilizes filtering and booth containment processes, improving product quality and reducing painting and drying time.



Through continuous modernization and growth, utilization of new technologies, and finding new ways to improve production line efficiency.

Northland continues to demonstrate its commitment to providing its customers with the highest quality products and best value possible.



Environmentally-Friendly Premium Gray Primer

All Northland mainframes are coated with a premium quality, water reducible, environmentally friendly metal primer coating to create a uniform finish that offers excellent corrosion resistance, early water resistance, and no flash point.

“Northland Gray” compliments the galvanized secondary members, like the metallic low-spangle galvanized purlins, and frequently eliminates the need for painting.

Framing Systems to Fill Every Building Requirement

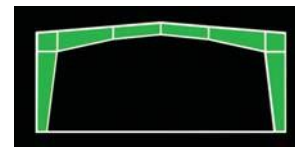
The strength and durability of **All-Steel construction**, Northland Steel Buildings™ give you greater design options. We can provide you with gable roofs, single-slopes, clear spans, multi-spans and other rigid frame design to meet your needs.

When choosing one of Northland's frames, you receive:

- Great appearance.
- Design and size flexibility.
- Efficient design capabilities.
- Economical start-up cost.
- Fast construction.
- Permanence with non-combustible materials.
- Load requirements designed to fit your needs.
- A finished look, with all structural steel, shop-coated with gray oxide primer.

Standard frame profiles include:

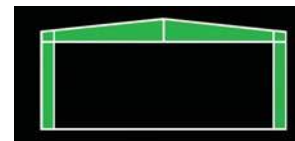
- Rigid Frame (RF)
- Tapered Beam (TB)
- Single Slope (SS)
- Lean-to (LT)



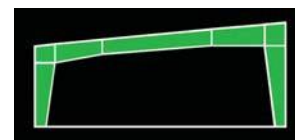
Rigid Frame (RF)



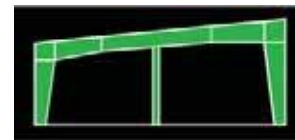
Rigid Frame Multi-Span (RF-1)



Tapered Beam (TB)



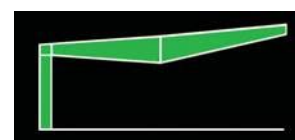
Single Slope (SS)



Single Slope Multi-Span (SS)



Lean-to (LT)

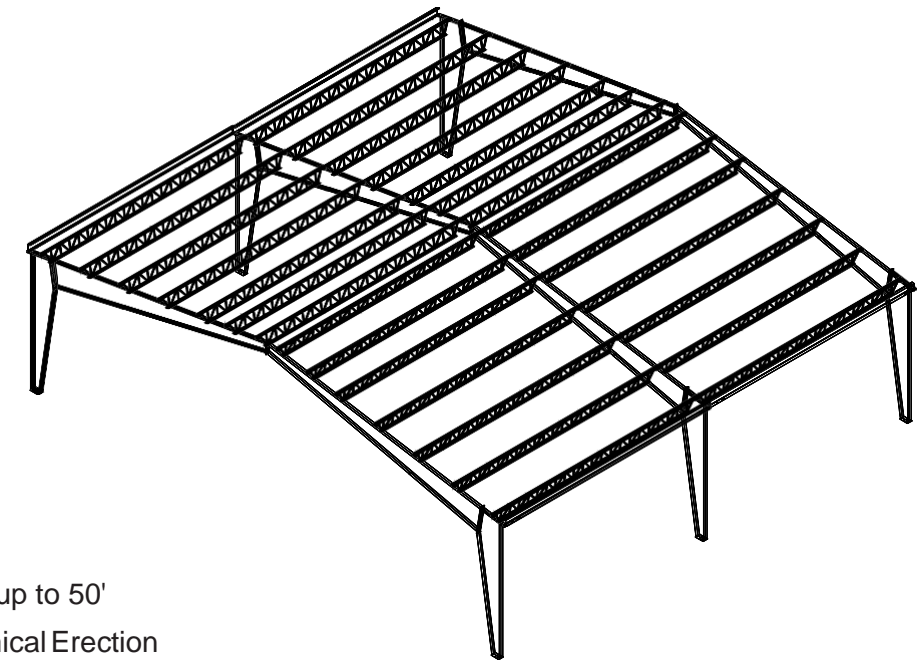


Lean-to (LT)

Extended Bays Up To 50 Feet

Northland offers Extended Bays for buildings requiring large areas of open floor space and a minimum number of columns, providing a clean, uncluttered interior. We provide open web joists designed to function as an integral part of the pre-engineered system. Joists are suitable for the support of floors, roof decks, and standing seam roofs. Joists are generally more economical when bay sizes are wider than 30', or when roof loads are excessive.

Extended bays can integrate with other Northland Building System products and are adaptable to virtually any type of roof and wall system.



Features:

- Bay Spacing up to 50'
- Fast, Economical Erection
- Optimize Column Locations and Bay Spacing
- Traditional Purlin Compatible
- Available with Standing Seam Roof Panels
- Use with B-Deck, Built-Up and Single Ply, or Standing Seam Roof
- Design Flexibility

Benefits

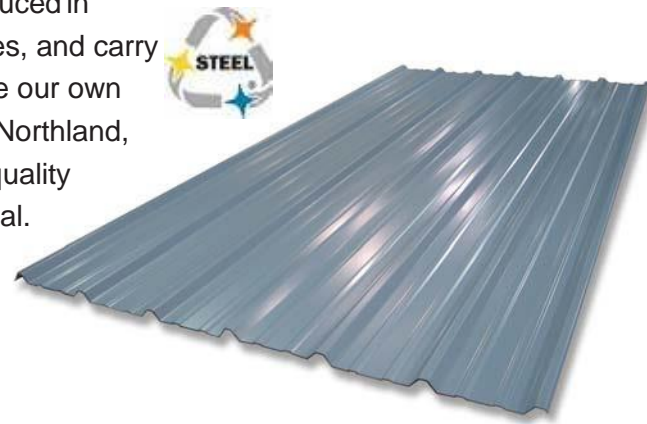
- IAS AC472 Accreditation (U.S.)
- CSA-A660 Certification (Canada)
- Easy Erection
- Cost Savings
- Bolts to Main Frame
- Spans up to 50'



Trinar® 40-Year Limited Warranty Finish Standard

Better Curb Appeal and Longer Life Buildings

Northland Steel Buildings™ are designed for the harsh northern climate. All Northland panels are produced in Premium Trinar® long-life fluoropolymer finishes, and carry our **40-year color warranty**. We also produce our own matching gutter and down spout systems. At Northland, it's the details that make the difference, with quality finished products creating greater owner appeal.



- Excellent UV resistance
- Excellent heat resistance
- Excellent chemical resistance
- Unparalleled gloss and color retention
- Uses only the highest quality ceramic and inorganic pigments for the finest metal finish available
- Resists chalking, fading, chipping and cracking
- Resists staining due to airborne pollutants



Environmentally Friendly Insulation



Indoor air quality is a growing concern with today's tighter construction practices for buildings. That's why Northland Building Systems offers Greenguard Certified **Bay Insulation** to our customers.

Greenguard Certified Products can reduce indoor air contaminants and promote a better indoor environment.

*WHAT IS THE GREENGUARD CERTIFICATION PROGRAM?

The Greenguard Certification Program was founded in 1999 to establish a true third party certification based on proven emissions criteria used by U.S. Environmental Protection Agency, the state of Washington, the U.S. Green Building Council's LEED program, OSHA and the World Health Organization.

Greenguard Certified Products must pass rigorous emissions testing for certification. Critical components (such as volatile organic compounds, formaldehyde and other product specific components) are monitored. Bay Metal Building Insulation is Greenguard Indoor Air Quality Certified.

Environmentally Friendly "COOL ROOF" Panels

Northland Cool-Color roof panels are manufactured with reflective Trinar® 70% paint. Durable Trinar® on Northland Cool Color™ panels provides reflectance and emissivity to meet ENERGY STAR® requirements.

Authorized Northland Independent Builders provide their customers the benefits of lower energy costs, increased roof life expectancies, superior roof color choices, the comfort of our 30-year limited warranty, and a cooler, cleaner, "Greener" environment for all of us.

Wall and Roof Panel Colors

When you choose Northland 'R', 'A', Seam Lok, Vertical Lok, 24 or 26 gauge panels for commercial or industrial buildings, you can also choose from a selection of twelve great high-quality Trinar® colors. All Northland trim is available in the same colors at no extra charge.

Color Selections Featuring Trinar®

Colors that meet **Cool Roof solar reflectance requirements** are:

Low Slope (less than 2:12):
- Arctic White

High Slope (greater than 2:12):
- Arctic White
- Parchment
- Buckskin Tan
- Antique Red
- Ash Gray
- Light Stone

Colors shown are for illustration purposes. For the most accurate color reproduction, please request a Northland Color Chart



*Colors that meet "Cool Roof" requirements.

New Color!

Ceram-A-Star® 1050 "Bright Red" Paint Finish is now available. Visit our web site for complete warranty information.



Galvanized Plated Purlins, Girts and Door Jambs Extend Building Life With Better Rust Protection

Northland Steel Buildings™ are designed for the harsh northern climate. **Galvanized** substructures protect your building from red rust during and after construction, resulting in better protection, which extends the life of your finished product. Northland galvanized plated materials are tested to withstand over 100 hours of salt spray (many times the corrosion protection of red oxide primer) in accordance with ASTM-117.



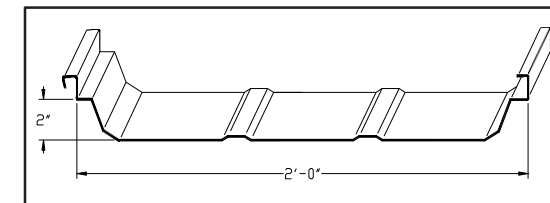
Seam-Lok Premium Standing Seam Roof System

All Northland buildings are manufactured with field-seamed standing seam roof systems, which are UL rated and FM approved. The roofing systems utilize a complete materials color matching system with Trinar® 40-year limited warranty color finishes.



Colors Available
See chart on Page 8

Seam Lok

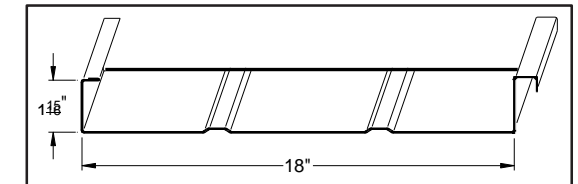


CVL Roof System (Northland Vertical Lok)

Northland's Vertical Lok System is UL rated and FM approved. The roofing system utilizes a complete color matching system with Trinar® 40-Year limited warranty color finishes for roofs and walls.



Vertical Lok



- A fast, simple, functional and cost effective solution for re-roofing and retrofit roofing projects on existing buildings
- Pre-engineered roofing system can be installed right over existing flat roofs or roofs with various elevations and pitches.
- Saves time and labor costs by eliminating need to tear off existing roof.

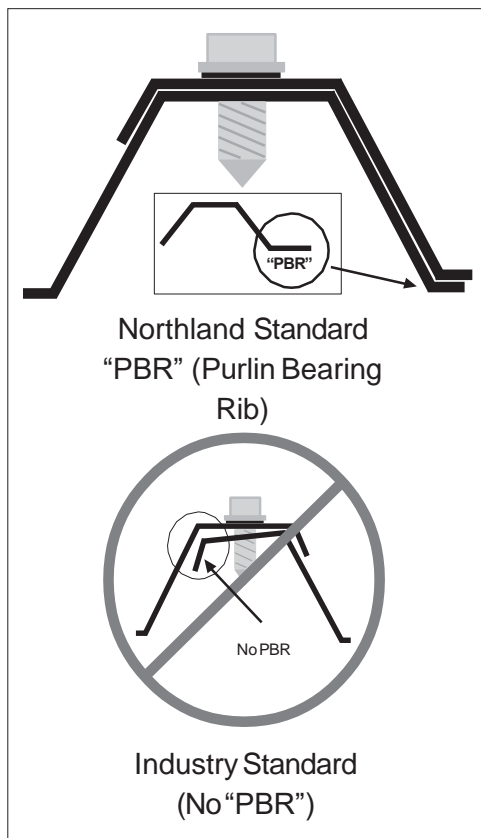
- Creates the aesthetically-pleasing look of a new building simply by adding a new roof.
- Ideal for standard gable, single-slope roofs, hip roofs, roof extensions, facades, mansards, or roofs joining existing buildings.
- Engineered for strength, durability and weatherability.

Northland Premium Panels

Panels for each system are available in 22, 24 and 26 gauge **Galvalume steel**. Galvalume is a high quality cold-rolled sheet steel with a corrosion resistant metallic coating of aluminum and zinc. In addition, panel striations are available in the vertical leg systems. To ensure that any exposed fastener will last as long as the roof, our standard offering is a zinc aluminum fastener.

We provide the following panels:

- Northland SeamLok
- A Panel
- R Panel with Purlin Bearing Rib (PBR)
- Northland Vertical Leg (CVL)



Factory-Applied Clips

Clips for all purlins and girts on Northland Steel Buildings are precisely placed with zero tolerance for error, resulting in dimensionally correct alignment. The clips are welded (in-plant) by skilled, certified welders, eliminating extra fitting of parts in the field and reducing the chance of misplaced or misaligned parts. It also saves time and money through faster, more accurate erection.



See chart on Page 8
Northland Building

Northland Project Gallery – New England

Block Island Power Plant



Waterbury Generation



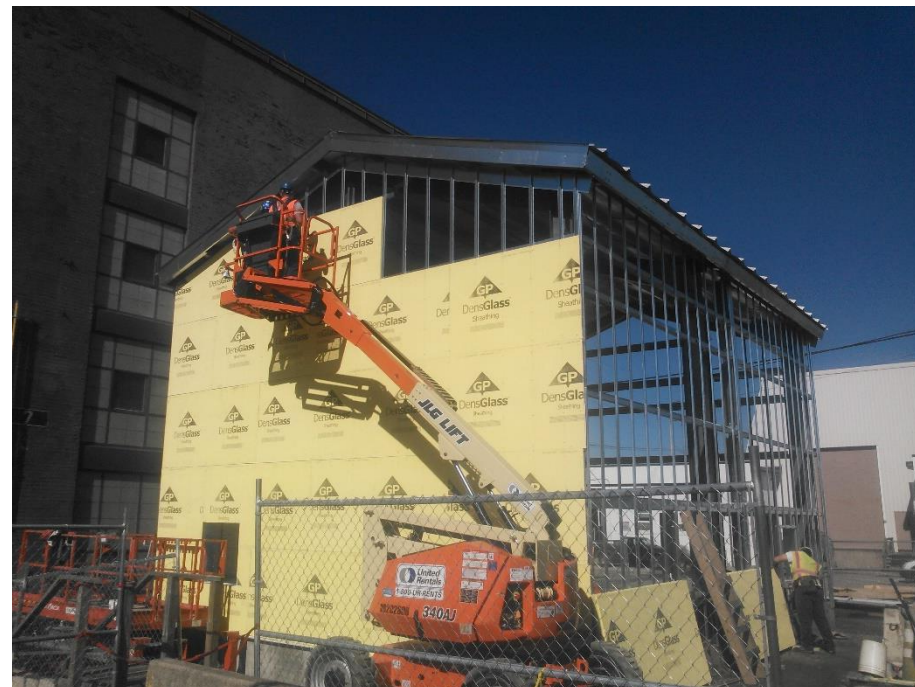
Bridgeport Micro-Grid



Exeter DPW



Naval Base Newport



K&R Auto Salvage



Standing Seam Roof Systems



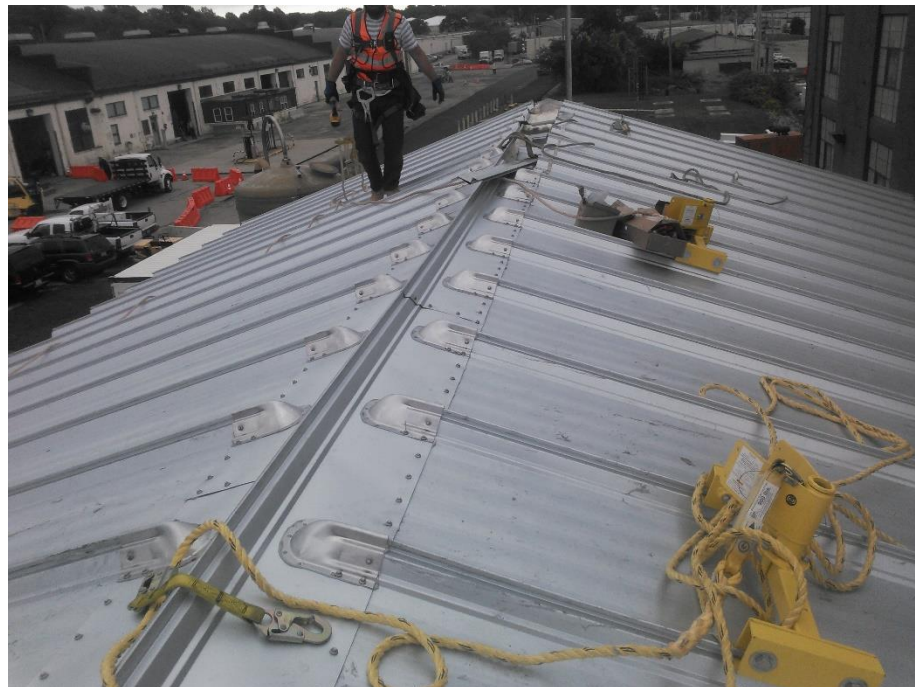
Galvanized Frame Systems



Metal Panel Systems



The Highest Quality Galvalume Roof Systems



Precision Concrete Slabs



Load Bearing Concrete Footings

