



PRE-ENGINEERED STEEL BUILDINGS

- INDUSTRIAL
- COMMERCIAL
- AGRICULTURAL
- INSTITUTIONAL
- MANUFACTURING



RHINO[®]
STEEL BUILDING SYSTEMS

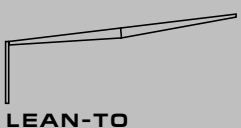
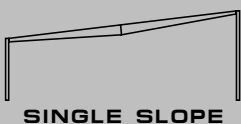
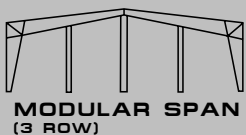
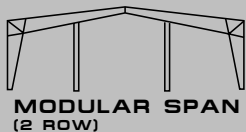
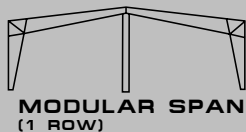


Ranch Storage (Open Canopy)

Structural Frame



STRUCTURAL DESIGN



Rhino Steel Building Systems, Inc. is registered to do business in all 50 states and Canada. We currently have a **Better Business Bureau A+** rating with over 30% repeat or referred customers.

Rhino offers virtually any type of structural design required (shown at left). Your building square footage, local codes and wind, rain, and seismic requirements will determine the type of structural system that will apply. Other considerations include interior space requirements where clear spans may or may not be required. Standard bay lengths are 20' and 25' between main frames (optional bay lengths up to 40' available.) A variety of endwall designs are available depending upon specific building demands. Post and beam endwalls are standard. Optional "rigid frame" endwall designs are also available when there may be a need to add to the building in the future or perhaps a need for a total opening such as an aircraft hangar door. Our staff of experienced professionals can be of great assistance in determining the right structure for your application.

We make it easy to purchase a quality pre-engineered steel building. Rhino's building specialists can assist in taking your initial concept and developing the

structural design with accessories that best accommodates your needs.

Rhino buildings are designed to meet specific wind, rain, snow & seismic requirements that may exist in your area of the country. Along with every building order, you will receive 3 sets of prints stamped by an engineer licensed in your state and a letter of certification.

One of many standard features offered on the majority of buildings by Rhino includes the overlapping of purlins at the main beam as opposed to the flush bolting method. This technique insures greater strength and structural support. And as you will see, every aspect of a Rhino steel building is designed to meet just the right combination of quality and economy.





Hobby/Storage

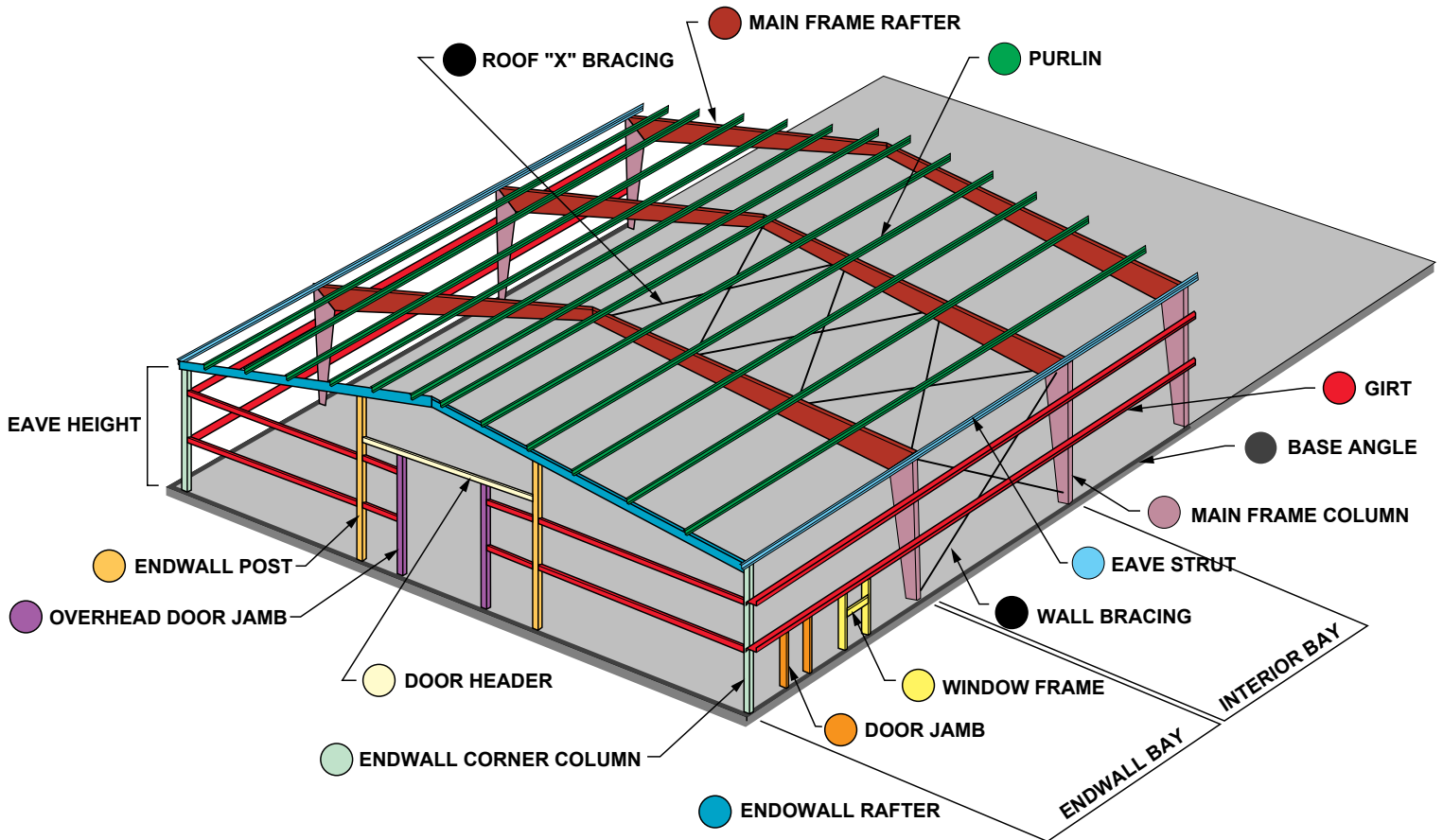
Office/Storage



STRUCTURAL DESIGN

Along with your building materials and blueprints, all customers receive a construction manual and instructional DVD. Rhino buildings feature an easy bolt-together design that many do-it-yourself buyers appreciate.

Rhino's all bolt together design ensures these buildings fit the right way. Rhino is well known as having the most helpful customer service team in the industry. They will help you at every step of the way. Rhino can also provide names of erection contractors in many areas of the country.





Office/Mfg.

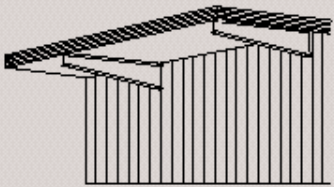
Miscellaneous Storage



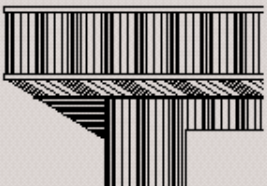
EXTERIOR OPTIONS



Flush Sidewall & Endwall Canopies



Sidewall & Endwall Canopies



Vertical Fascias

Rhino buildings are available with a multitude of options for exterior considerations. The buyer may choose from three standard panel configurations in a galvalume finish or multiple colors. Various canopy configurations (shown at left) can add just the right architectural style that discriminating buyers seek. Once again, your Rhino representative can help in your selection.

STANDING SEAM ROOF

24 Gauge roof panel featuring



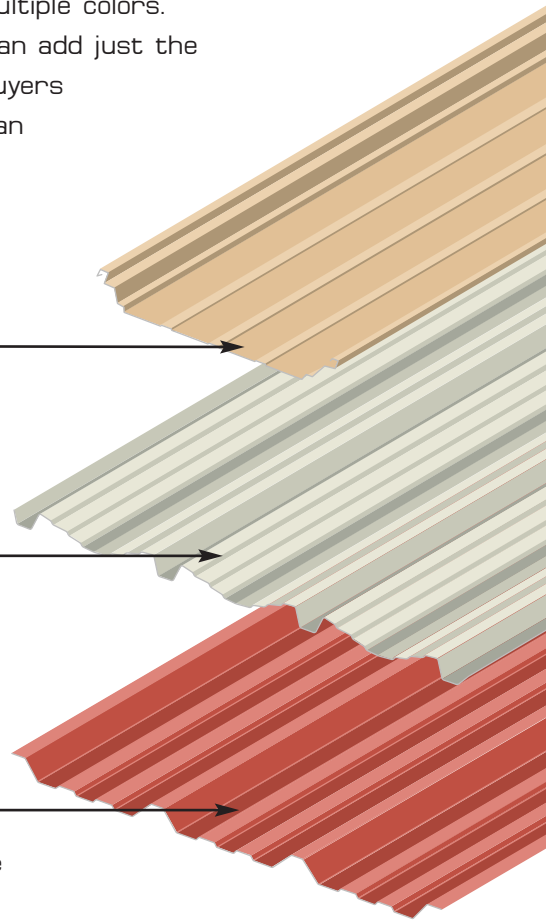
A PANEL

26 gauge high tensile steel architectural panel
(Optional Wall Only)



PBR PANEL

26 gauge high tensile steel featuring a unique style



Wall Panel Colors

Rhino offers a standard 25-year warranty on most colors. Kynar option is available with 30 year warranty. Not all colors are available from all shipping points. Contact your Rhino representative to receive color samples prior to ordering.



Horse Arena



Hangar



Storage Facility



Retail





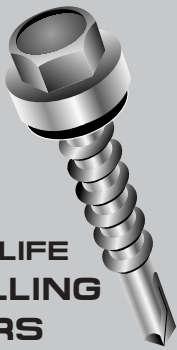
Riding Arena

Office / Studio



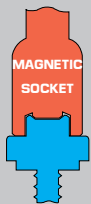
STANDARD FEATURES

EXTENDED LIFE SELF DRILLING FASTENERS



Rhino offers cast aluminum zinc fasteners for galvalume sheathing as standard with all models. A long term warranty insures that no red rust will form on the zinc cast head. An EPDM sealing washer assures a waterproof seal even under harsh conditions and is protected from ozone and ultraviolet damage. The result is a longer lasting, stronger structure that is quicker and easier to erect.

Indented hex head design accepts standard magnetic sockets

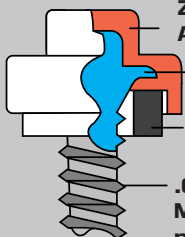


Zamak-5 Zinc Alloy Head

Carbon Steel Shank

EPDM Tubular Washer

.0005 Min. Mechanical Zinc plating

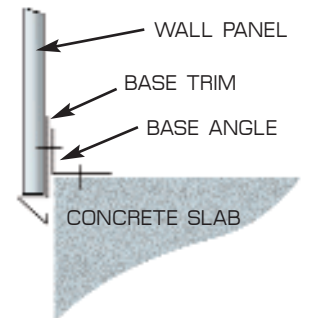


All Rhino buildings, while priced competitively, contain numerous features and benefits not commonly found elsewhere. These buildings offer the highest standards in terms of durability, strength, weather resistance and ease of construction. When comparing prices, be sure to consider the many standard features that are included. We believe in providing customers with a complete package of quality merchandise. Take a minute to review the following features that can be incorporated into all Rhino buildings. Then let us quote your next building. You'll soon find that Rhino offers the best value in the industry.

FORMED BASE TRIM

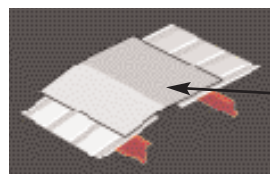
The base trim, employed at the bottom of the wall panels, features a colored steel edge that the wall panel rests on resulting in two major benefits. This eliminates the need for a 1 1/2" notch in the concrete around the perimeter of the slab. Thus, your panel will not rest on the concrete which may later cause rusting. It also will typically save an average of 4 yards of concrete on a 5,000 sq. ft. building...

an average \$300 savings.



RHINO RIDGE CAPS

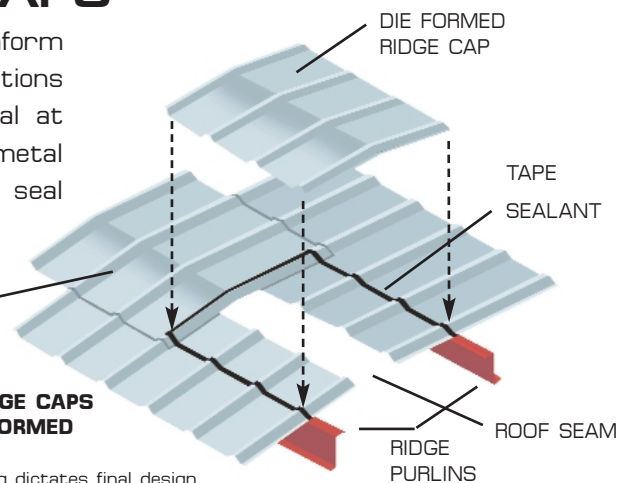
Rhino's die formed ridge caps conform to all standard panel configurations and provide a much tighter seal at the roof seam. This ensures a metal to metal contact for a tighter seal and better pest control.



INSTALLED RIDGE CAP

AVOID RIDGE CAPS NOT DIE FORMED

• Engineering dictates final design





Office / Ranch Storage

Office - Institutional

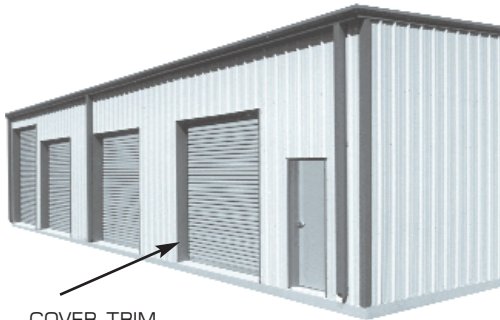


STANDARD FEATURES

COVER TRIM

At Framed Openings

Cover trim is added to the red iron framing on all overhead door openings enhancing the looks of the building and resulting in a more finished appearance...not standard with most other companies. Without this additional trim the framing is exposed.

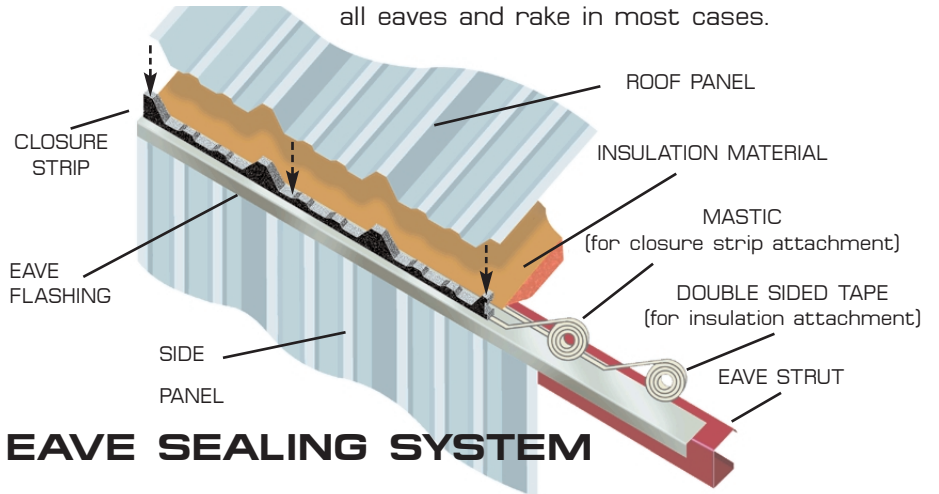


WEATHER PROOFING

At Eave, Base and Roof

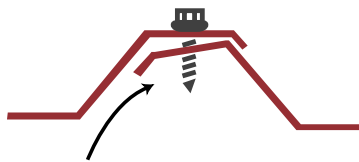
Another Rhino standard feature includes all materials necessary to seal your building from the elements.

Foam rubber closure strips are included at all eaves and rake in most cases.



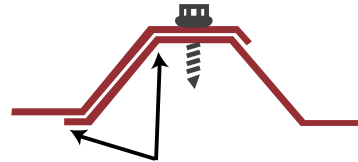
EAVE SEALING SYSTEM

PURLIN BEARING RIB ROOF PANELS



TRADITIONAL "R" ROOF PANEL

These panel configurations have a shorter overlap and less metal to metal contact giving less support.



RHINO PBR PANELS

Rhino standard PBR roof and wall panels feature extra overlap for increased strength and water resistance. These affordable roof and wall panels, available in multiple colors, offer solid support and ease of installation.



SKYLIGHTS

Reinforced white skylights are available in standard lengths and can be ordered to meet UL-90 rated roof systems. These translucent plastic panels have the same profile as metal panels. Wallights for sidewall installation are also available.

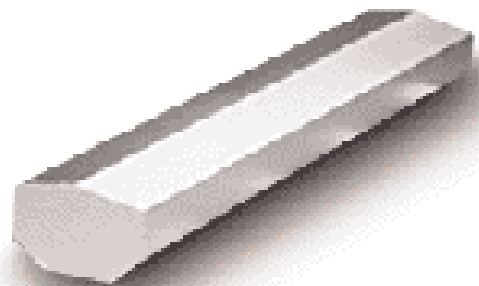
A C C E S S O R I E S

All Rhino buildings can be engineered to accept a wide variety of accessories for lighting, accessibility, ventilation and insulation. Collateral loading can be added to accommodate the weight of sprinkler systems, point loads and other accessories added to your Rhino Steel

Building. Professionals and do-it-yourselfers alike appreciate the quality and easy installation of accessories from Rhino. The result...a building with both form and function to suit your individual needs. Numerous additional accessories are also available.



Standard louvers are constructed of AZ-55 galvalume.



Standard roof ventilators feature birdscreens, and a variety of options in size and material.



Farm & Ranch Storage



Hangar



Automotive

Mini Storage



Hangar / Storage (Bi-Fold Door)

Horse Barn



Lumber Storage



O P E N I N G S

FRAMED OPENINGS

Framed openings can be factory located on your building at the location of your choosing. This saves time and labor in the erection process of building. Larger openings can be engineered to accommodate virtually any size door such as large bi-fold doors or slide doors for aircraft hangars.



STANDARD WINDOWS

Aluminum horizontal slide windows provide light and ventilation, and are virtually maintenance free.



OVERHEAD DOORS

Overhead doors are available from Rhino in both cylinder type and sectional with optional electric operators. Order your "framed opening" to coincide with the appropriate door size.



PERSONNEL DOORS

Walk doors are available in 3070, 4070 and 6070 with or without glass openings. All doors come standard with lock and key, steel frame and threshold. Options include insulated leaf, closers, panic hardware, and mortise lock.



Liner Panel

LINER PANELS / PARTITIONS

LINER PANELS & PARTITIONS (Optional)

Rhino also provides paneling for the interior walls and ceiling of your building. Liner panels can cover all interior walls and ceiling (as shown above) or just half the wall height (shown to right.) In addition, partitions of any size can also be ordered making Rhino a great choice for manufacturing and institutional applications.



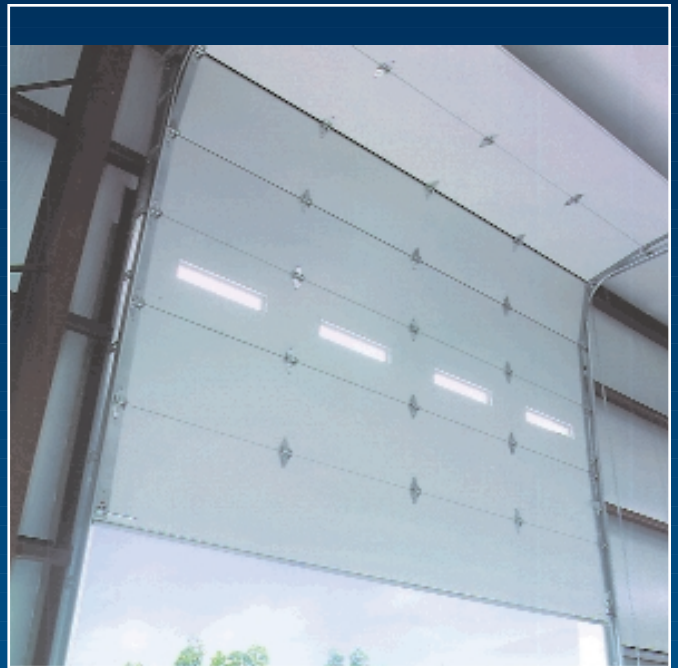
Endwall Partition



Half Liner Panel
(Automotive)

SECTIONAL DOORS

Rhino offers a variety of overhead door models in both sectional and drum styles. All doors have the option of being insulated and wind certified up to 145 MPH when needed. Tell us your requirements and we'll recommend the right door for your specific application. Styles range in a wide variety of materials and window treatments.



“Choose from both manual and electrical lifting systems”



OVERHEAD DOORS



SELF STORAGE



HEAVY DUTY



ROLLING SERVICE



ROLLING GRILLS

DRUM STYLE DOORS

“Lower your cost of ownership!”

For Rhino customers who want superior performance with long term savings on energy related costs, the Pro Value system is the best choice. A higher initial investment is quickly recovered over a short time. With its bright white appearance, most metal building owners use the exposed interior finish as the primary finish. No painting, or costly maintenance is necessary. A variety of other decorator colors are available for certain aesthetic effects.

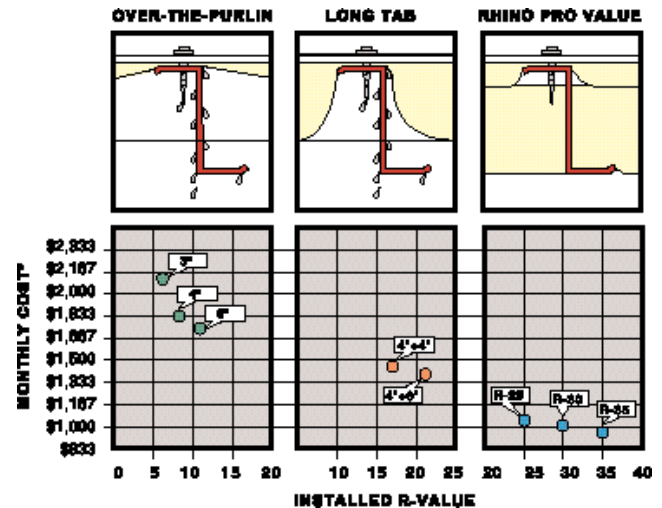
- Superior “in-place” R-Values for both roof and wall cavities. (No compression or voids)
- Significant long term savings on energy cost and HVAC and lighting utility investments.
- Below the purlin vapor barrier helps to prevent condensation and brightens interiors. (No stapled or gravity seams)
- Superior sound absorption (NRC 0.75)
- Extends building life and lowers maintenance.



INSULATION

Because insulation is not compressed in Rhino Pro-Value Systems, the near full R-value of the specified insulation is realized. It is easy to see the potential increase in energy efficiency and savings. (See chart to the right) Rhino ProValue packages are available in R--19 to R-30 (walls) and R-20 to R-40 (roof systems). Completely filling the purlin and girt cavities is recommended.

STANDARD ROOF SYSTEM “R” VALUES	
Single Layer Systems	
R-19	6” Single Layer
R-25	8” Single Layer
R-30	9 1/2” Single Layer
Double Layer System “R” Values	
R-20	6” Double Layer - R10 + R10
R-26	8” Double Layer - R13 + R13
R-30	9 1/2” Double Layer - R19 + R11
R-32	10” Double Layer - R19 + R13
R-35	11” Double Layer - R25 + R10
R-36	12” Double Layer - R25 + R11
R-38	12” Double Layer - R25 + R13



* Based on a 100' x 200' x 20' pre-engineered metal building; heating and cooling values. Design temperatures: Winter (70° F inside / -20° F outside) 90° F difference; Summer (75° F inside / 95° outside) 20° F difference. Costs include energy and maintenance costs. All graphs and table are examples and not guaranteed values.

RHINO PRO VALUE ROOF SYSTEM



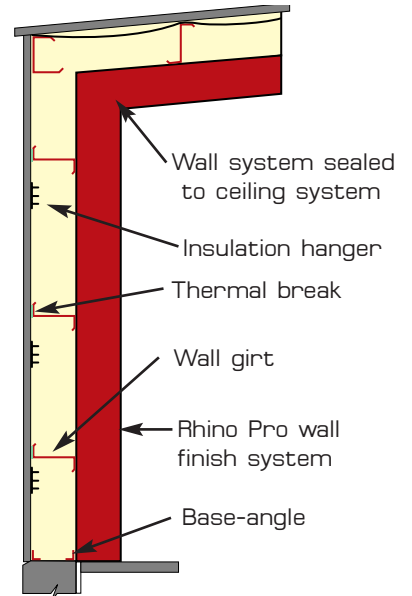
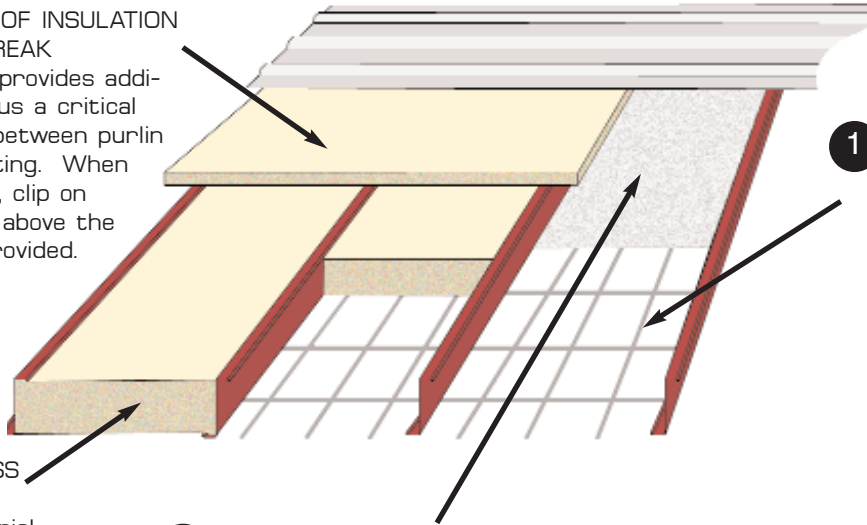
4 SECOND LAYER OF INSULATION OR THERMAL BREAK
 Additional layer provides additional R-value plus a critical thermal break between purlin and metal sheeting. When this is not used, clip on thermal breaks above the purlin can be provided.

3 FULL THICKNESS INSULATION
 Insulation material fills the purlin without compressing the material providing superior "in-place" R-values and as much as 50% lower energy costs throughout the year!

2 VAPOR BARRIER FABRIC
 Extra strong and durable "below the purlin" barrier helps to eliminate condensation and roof deterioration. It encapsulates purlins and girts for a more finished professional interior. Available in white or designer colors, these washable surfaces can save big on painting and other treatment costs. Factory made, double extrusion welded seams preserve the very low vapor permeance and vapor barrier integrity. Rhino Pro Value liner fabric is over 300% stronger than competitive metal building facing (VRP).

Vinyl reinforced reflective backing is a more economical alternative to our liner fabric while providing the same R value.

1 STEEL RETAINER STRAPS
 The first step in a Rhino Pro roof system is the installation of straps that hold the fabric and insulation in place.



WALL SYSTEM

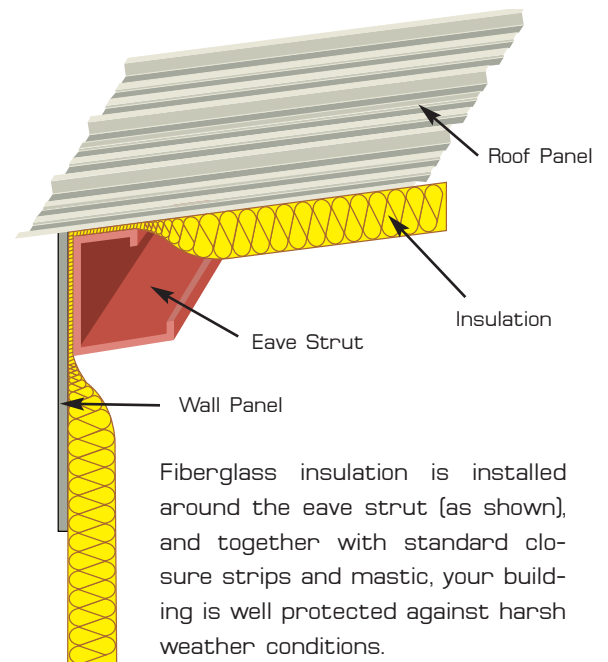
INSULATION



Rhino's standard insulation systems offerings include:

- Reflective barrier (above) with foil back providing an R-7 rating.
- Fiberglass insulation (from 3" to 8" thick) providing for R-10 to R-30 ratings. Fiberglass insulation has a reinforced backing-eliminating the need for chicken wire support-saving you labor and money. Both products are easily installed and offer big savings in energy costs.

STANDARD INSULATION

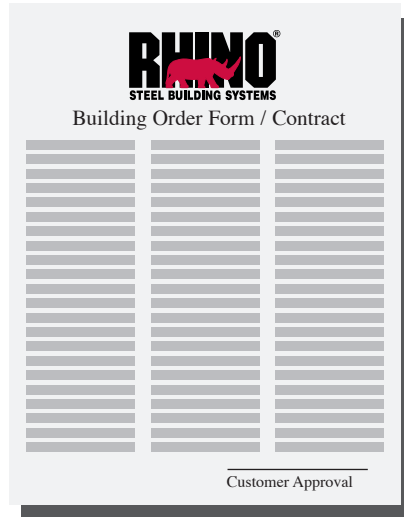


Fiberglass insulation is installed around the eave strut (as shown), and together with standard closure strips and mastic, your building is well protected against harsh weather conditions.

BUILDING ORDER SEQUENCE *

STEP
1

Customer approves order form, confirms building loads and codes... then returns order form to Rhino.



The image shows a document titled "RHINO STEEL BUILDING SYSTEMS Building Order Form / Contract". The form has a header with the Rhino logo and title. Below the header, there are three columns of horizontal lines representing a table for data entry. At the bottom right of the form, there is a line labeled "Customer Approval".

INFO REQUIRED FOR QUOTE

BUILDING SIZE:	Width-Length-Height
LOCATION:	County-State-Zip
ACCESSORIES:	Drive Thru Doors Windows Insulation Walkdoors Skylights

STEP
2

Three letters of certification, engineered stamped prints and anchor bolt plans arrive within two to three weeks.

STEP
3

Customer receives confirmation letter from Rhino normally three weeks after order with "Construction DVD" and "Erection Manual."

Customer receives letter from Rhino giving tentative delivery week.

STEP
4

Customer receives telephone call from customer service confirming day and time of delivery and to answer any questions.

STEP
5

Customer takes delivery.



PRICE LOCKED IN

All production orders have price protection against any steel price increases as long as building not delayed by customer.

Ask your Rhino representative about Permit orders.

* Typical delivery time is 6 to 8 weeks but can vary due to market conditions and building complexity.



Horse Training Facility



Hobby / Storage



Storage / Recreational



Office & Storage Complex



CUSTOMER SUPPORT

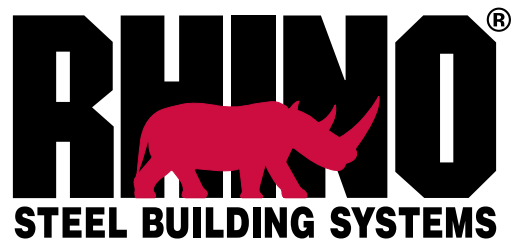


QUICK DELIVERY

Rhino Steel Building Systems national headquarters are located in Denton, Texas with products shipped from numerous shipping points throughout the U.S. to all 50 states. On some standard sizes we offer delivery in only 6 weeks. Talk to a Rhino representative for details.

Rhino Steel Building Systems reserves the right to change any specifications or claims without notice. Customers should verify information at time of order.

For over a decade, our Customer Support division (with over 25 years group experience) has supported Rhino customers before and after the sale. Once we receive your order the Rhino team of dedicated professionals ensures there are no surprises to you prior to your delivery. A toll free call is all it takes to answer any questions you or your building erector may have during the construction process. As a testament to this fact, **over 30% of our orders come from referrals or repeat purchases from past customers.**



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