

# Therma Classic™

INSULATED STEEL CARRIAGE STYLE GARAGE DOORS BY NORTHWEST DOOR®



Model RX06S shown above

Therma Classic™  
INSULATED STEEL CARRIAGE STYLE GARAGE DOORS BY  
**NORTHWEST DOOR®**

Patents Pending



# The Face of Fine Homes, Since 1946

Over the years Northwest Door has earned a reputation for manufacturing high quality innovative garage doors that add both beauty and efficiency to a home.

The Therma Classic is one example of these fine products. The first generation Therma Classic product line, the "S" Series was introduced in 2006. The "S" Series features a unique embossed design and Northwest Door's proven "Therma Sandwich Construction". Prepainted galvanized steel skins are pressure laminated to a 2" thick Polystyrene core. This creates a very rigid garage door in addition to forming a natural *thermal-break* for additional *energy efficiency*.

Now Northwest Door has added even more design flexibility to this product with the addition of the second generation Therma Classic, the "R" Series. The "R" Series features 40" wide by 20" high recessed panel embossments. Aluminum overlays are attached to create a variety of designs.

Therma Classic also offers unique *true arched* windows on all 7 window designs. With 14 different window choices, a total of 105 door/window design combinations are possible and available in most sizes up to 20 feet wide and 14 feet high. From this large selection you can choose the design that best compliments the architecture of your home. All doors are standard from the factory with a baked on white finish. The door finish is also suitable for field painting if you choose to paint the door a specific color.

Northwest Door backs Therma Classic with a **Limited Lifetime Warranty** on both the door sections and the "R" Series overlays. Compare the appearance, the features, the quality and the warranty of the Therma Classic to that of other steel garage doors and you will rest assured that ...

## Therma Classic is "A cut above the rest".



- Since 1946 -

See Northwest Door's complete selection of steel, aluminum & wood garage doors at [www.NorthwestDoor.com](http://www.NorthwestDoor.com)

## RX Designs



These doors are the Model RX09S. They feature the "X" design cross braces and attractive 9-Lite windows. Doors have the standard white factory finish. Another RX design with the "X" configuration cross braces is shown on the cover of this brochure. They are the Model RX06S doors and feature 6-Lite windows and optional (Deco Kit A) decorative handles.



RX00S



RX01S



RX02S



RX03S



RX04S



RX06S



RX08S

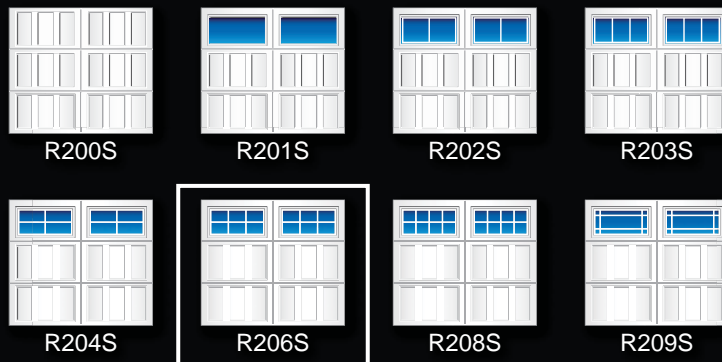


RX09S

# R2 Designs



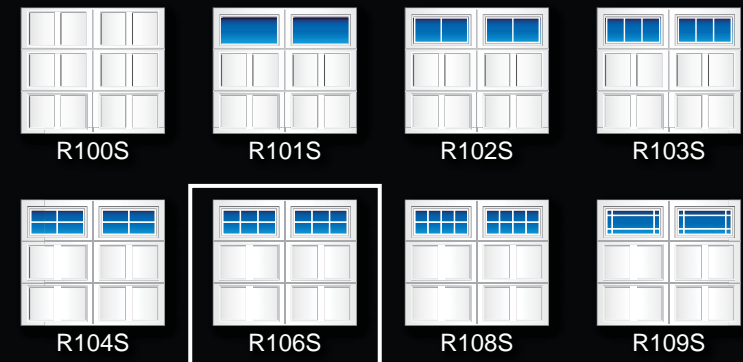
The Model R206S has two vertical stiles applied to each of the "R" Series panels to form this attractive R2 design. These doors have been field painted to match the trim on the home. A large portion of the front of your home is occupied by the garage doors, the doors you choose will not only make a big difference in the appearance but will also add value and comfort.



# R1 Designs



This is the Model R106S. The R1 has one vertical stile in each "R" Series door panel and 6-Lite windows. It replaced the original wood garage door on this garage and has cost effectively preserved the traditional character of this home. It will not require the maintenance of it's wooden predecessor, in addition to superior insulating qualities (R=8.68) and providing more security on this detached garage.

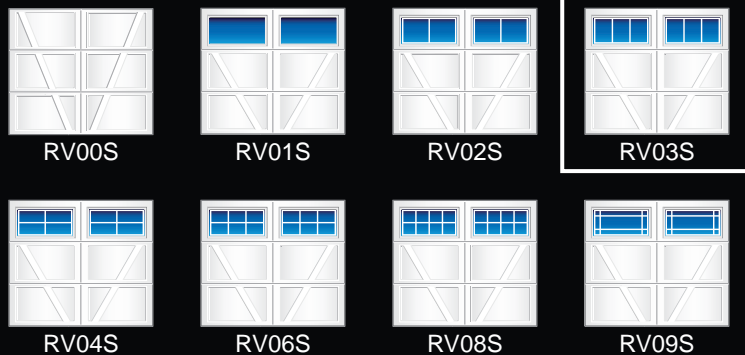




# RV Designs



These Therma Classic doors are the Model RV03S with "V" design cross braces and 3-Lite windows. Both the single car and double car door are 8 feet tall featuring 32" high door sections to more accurately depict the carriage door look. The doors are factory standard white and have the optional (Deco Kit A) decorative handles.

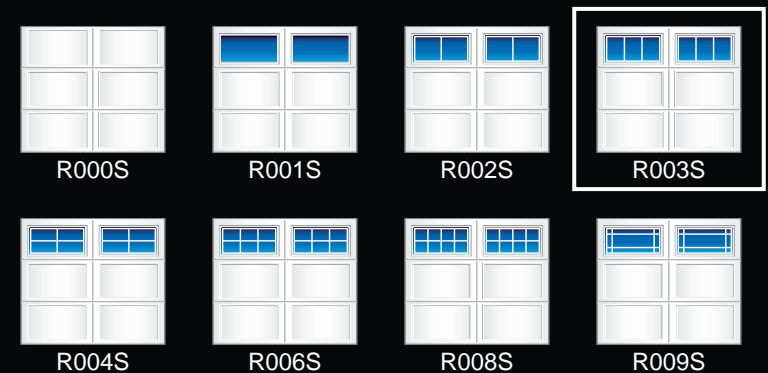


- For Decorative Hardware information please see page 5 -

# RO Designs



These Model R003A are one of the Therma Classic second generation "R" Series designs. They feature 40" wide and 20" high embossed panels. The doors have been field painted to match the trim and the windows on the home. Optional Decorative Hardware (Deco Kit C) has also been applied to add detail and further enhance the beauty of the home.



- For Arched Windows please see page 7 -

AFTER



BEFORE



These Model RA08S Therma Classic doors have "A" design diagonal cross braces added to the embossed "R" Series door panels and 8-lite windows. Optional decorative handles (Deco Kit A) are applied.



RA00S



RA01S



RA02S



RA03S



RA04S



RA06S



RA08S



RA09S

## Classic Series



### Deco Kit A

Rustic Iron With Black Powder Coated Finish

## Traditional Series



### Deco Kit B

Malleable Iron With Black Powder Coated Finish

## Americana Series

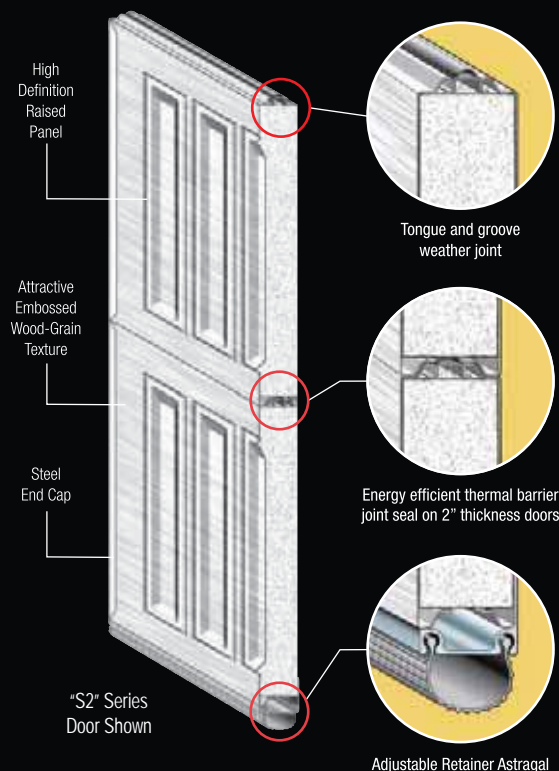


### Deco Kit C

Stamped Steel, Crinkle Textured Black Powder Coated Finish



# Quality Sandwich-Type Construction



The beauty of the Therma Classic is more than skin deep. Therma Classic is built with Northwest Door's time proven sandwich-type construction method. Interior and exterior galvanized and prepainted steel skins are pressure laminated to a 2" thick CFC-free (EPS) polystyrene core forming a continuous bond. A flexible joint seal is added to the tongue and groove section joints which seal and also provide a true and natural thermal break. It's construction is both fire and smoke rated.

The Therma Classic R-Series design overlays are made of prepainted aluminum. They are mechanically attached as well as adhered to the door face for unparalleled holding power. In addition doors are equipped with high quality galvanized torsion hardware for proper counter balance and operation.

The result is an extremely strong and beautiful maintenance-free garage door with outstanding insulating qualities rated at R-8.68.

# Technical Data

## Dimensions:

Maximum Width 20'-0"  
Maximum Height 14'-0"  
Thickness 2"

## Finish:

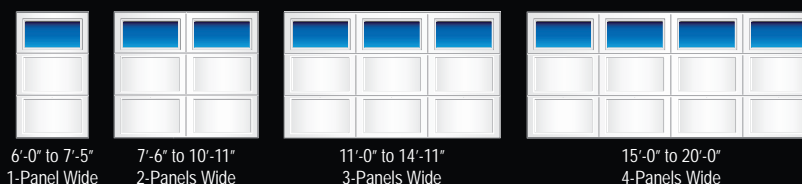
Bright White Color (Standard)  
Paint Thickness 1mil  
Field Painting (Optional by others)

## Material Properties:

Steel Galvanizing G 40  
EPS Insulation Density 1#  
3MM Annealed Clear Glass (Standard)  
1/2" Insulated and Specialty Glass (Optional)

## Thermal Properties:

★ R Value=8.68, U=Value .115  
★ (Calculated door section R-Value is in accordance with DASMA TDS-163)



Therma Classic offers a selection of door sizes and layouts unmatched in the industry; using a combination of 27", 28", 31" and 32" section heights.

## Widths in one inch increments:

6'-0" to 7'-5", 1-Panel Wide  
7'-6" to 10'-11", 2-Panels Wide  
11'-0" to 14'-11", 3-Panels Wide  
15'-0" to 20'-0", 4-Panels Wide

## Heights in one inch increments:

6'-9" to 8'-0", 3-Sections High  
9'-0" to 10'-8", 4-Sections High  
11'-3" to 13'-4", 5-Sections High  
13'-6" to 14'-0", 6-Sections High

# Overlay Adhesion Guaranteed For Life

For several years composite overlay materials have been utilized on steel garage doors to add designs. These dissimilar materials have lead to a significant number of failures of the composite overlays when used on a steel door. Northwest Door resisted market pressure to produce an overlay product until such time as they had a new all metal product developed. We wanted it to be the best in the business and that is exactly what we achieved. In fact, an INDEPENDENT LABORATORY conducted an accelerated aging test on the product. The door section was cycled from -22 to +160 degrees Fahrenheit. This rigorous freezing and baking cycle was continued for 21 days without product degradation whatsoever. No warping, shrinking, or delaminating occurred. As a result of these tests Northwest Door confidently provides a lifetime warranty on the Therma Classic "R" Series overlay.



- Since 1946 -

# Therma Classic Doors receive our Four-Coat Paint / Protection Process

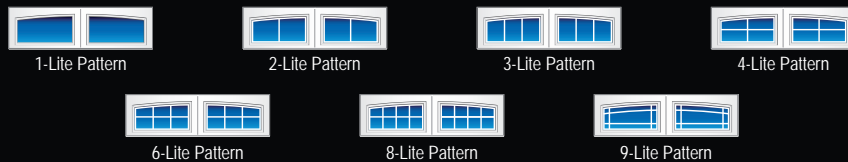
Galvanized, Bonderized, Prime painted and a White Topcoat Finish. Doors can also be easily be field painted to match your exact color requirement. Dark color finishes are acceptable, however the installed doors surface when facing the sun should not reach an excess of +200°F.



**WARRANTY:** Therma Classic sections come with a limited lifetime warranty against deterioration due to rust-through of the door skins or delamination of the overlay for as long as you own your home. Parts and accessories are warranted against defects in material and workmanship for one (1) year. Top section must have reinforcement strut applied if it is a window section or if the door is motor operated. Contact your Northwest Door dealer for complete warranty, maintenance and painting instructions. Northwest Door reserves the right to make product changes without notice.

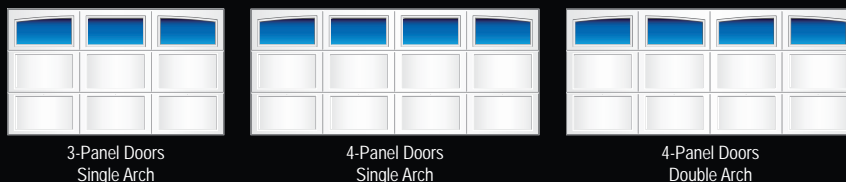
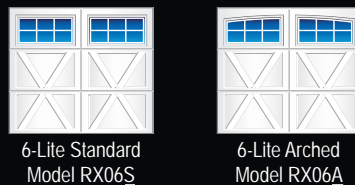
**WARNING:** Any adjustments to your door should be made by an experienced door installer, such as your Northwest Door dealer. Serious injury can result from improper adjustments to your door.

## True-Arched Window Selection



All Therma Classic models are offered with arched windows. The arched window frames are a true 26'-0" radius. The radius formed on standard sized single car 2-Panel arched window designs are: 8'-0" wide door = 26'-0" radius, 9'-0" wide door = approximately 36'-0" radius, and 10'-0" door = approximately 38'-6" radius.

Models with standard rectangular windows are designated with an "S" as the last of the 5-digit model number. Arched window models are designated with an "A".



3-Panel doors use a combination of both arched and standard window frames to form a single arch. 4-Panel doors are available in your choice of a single arch or a double arch. (Double Arch Standard)

## Thermal Break Testing

Thermal Break Reduces Heat/Cold Transfer By **15.5%**

An independent laboratory performed a comparison test on the Northwest Door 2" thick Therma Series door and a competitors insulated door. The competitors door is typical of the industry standard for insulated garage door construction. Both doors were 2" thick, used identical EPS insulation cores and identical steel skins front and back, however the Therma Series featured Northwest Door's **Thermal Break** design.

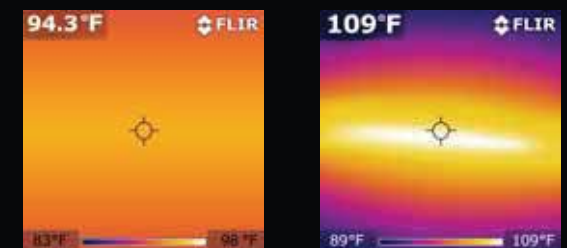
After two hours of direct exposure to 135° Fahrenheit, temperatures were measured for thermal transmission from the front to the back of the door. The Therma Series measured 94° F as compared to 109° F on the competitors' door. This is a substantial 15.5% difference at the most critical area of the door, the section joints. The interior surface comparative temperatures of the center of the door panels were also sizeable, measuring 7.2% lower than the competitor's.

The reason for these large differences is that the Northwest Door **Thermal Break** does not have metal-to-metal contact from one side of the door to the other, like that of the competitor's door.

This reduces the thermal transmission of the door, which improves its overall insulation value and effectiveness.

This study confirms that the Northwest Door Therma Series with **Thermal Break** dramatically out performs other insulated garage doors, as shown by the actual infrared thermal images.

### INFRARED IMAGE COMPARISON



Lower Temperature with Thermal Break (Northwest Door)

Higher Temperature without Thermal Break (Competitor's)

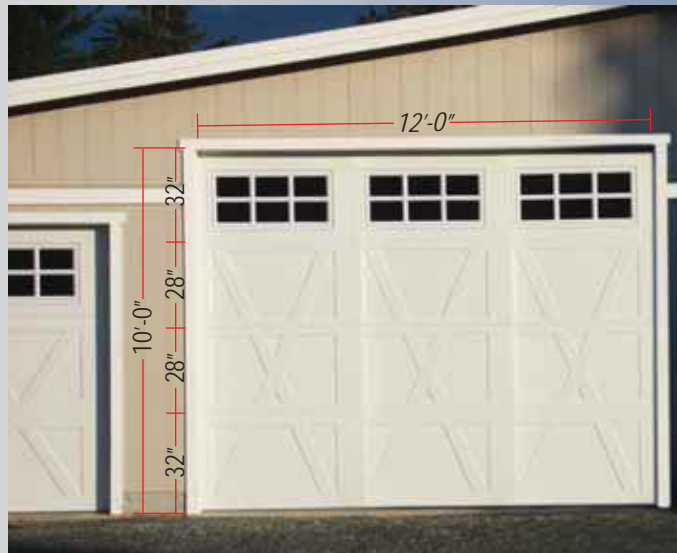
# Therma Classic's Attractive Three-Section Design

Historically, carriage house doors were swinging doors, made of wood and featured large windows in the upper portion of the doors. Northwest Door has authentically replicated this classic look with the Therma Classic. The Therma Classic is a high performance insulated steel garage door with conventional operating advantages. It features a unique three-section design which permits taller windows in the door. This gives Therma Classic windows the correct proportions and an unequalled representation of the original carriage house swing doors.

Therma Classic doors up to 8' high use only three door sections by utilizing a selection of 27", 28", 31" and 32" high sections.



Doors are available in a vast selection of sizes and beautiful designs up to a maximum of 20' wide and 14' high. Therma Classic designs maintain a uniform appearance even as door sizes increase. As you can see below,



the model RX06S uses a combination of 32" and 28" high sections. The "X" designs on the door stay true on the larger sizes even with varying door section heights. This precision cannot be achieved with stamped steel garage door panels. Individual prepainted aluminum overlay design components are hand-crafted, fitted and mechanically attached to the door panels. The aluminum overlays expand and contract at the same rate as the door section thus eliminating failures during varying temperature changes.

Unlike the plastic or composite overlays used by some garage door manufacturers, the Therma Classic designs will hold their shape, stay in place and will not come off of your door, "we guarantee it"!

Therma Classic as well as many other fine Northwest Door products are available from your Northwest Door Dealer. See the complete Northwest Door product selection at [www.northwestdoor.com](http://www.northwestdoor.com)



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**"Northwest Door is family owned and takes great pride in our products and satisfaction of our customers!"**



Dealer Name:

**LiftMaster®**  
Northwest Door recommends LiftMaster®  
Garage Door Openers for the Therma Classic  
as well as all other Northwest Doors.

Ask your Door Dealer about our  
Virtual Showroom Tablet App  
and visit our Design Gallery at:  
[www.northwestdoor.com](http://www.northwestdoor.com)  
Garage Doors 