TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION Effective Date: October 1, 2013
WIN-311 Reevaluation Date: **March 2014**

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**.*

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

Series 5200 Vinyl Single Hung Windows, Individual and Mulled, New and Replacement Construction, Non-Impact Resistant, manufactured by

Don Young Company
8181 Ambassador Row
Dallas, Texas 75247
Telephone: (214) 630-0934

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 5200 Vinyl Single Hung Windows	H-R40 40x72	± 40 psf
2	Series 5200 Vinyl Single Hung Windows	H-R50 44x72 (MODIF)	± 50 psf
3	Series 5200 Vinyl Single Hung Windows; Twin	Each Window: H-R40 40x72	± 40 psf
4	Series 5200 Vinyl Single Hung Windows; Triple	Each Window: H-R40 40x72	± 40 psf
5	Series 5200 Vinyl Single Hung Windows; Twin	Each Window: H-R50 44x72 (MODIF)	± 50 psf
6	Series 5200 Vinyl Single Hung Windows; Triple	Each Window: H-R50 44x72 (MODIF)	± 50 psf

Product Dimensions:

System	Overall Size	Operable Sash Size	Fixed Daylight Opening Size
1	40.00” x 72.00”	36.88” x 35.25”	35.00” x 32.63”
2	44.00” x 72.00”	40.88” x 35.25”	39.06” x 32.63”
3	80.00” x 72.00”	Each: 36.88” x 35.25”	Each: 35.00” x 32.63”
4	120.00” x 72.00”	Each: 36.88” x 35.25”	Each: 35.00” x 32.63”
5	88.00” x 72.00”	Each: 40.88” x 35.25”	Each: 39.06” x 32.63”
6	132.00” x 72.00”	Each: 40.88” x 35.25”	Each: 39.06” x 32.63”

Product Identification (Certification Agency Label on Each Window):

System		
1-6	Certification Agency	AAMA
	Manufacturer's Name or Code Name	DY-1
	Product Name	Series 5200 SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05

Impact Resistance:

Impact Resistant	Requirement
No	Impact protective system required when product is installed in areas where windborne debris protection is required

Installation:

Systems 1 and 2:

Nailing Fin (New Construction): The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The window shall be mounted to the wood wall framing members using the nailing fin of the window with minimum 2 3/8"x0.120" smooth shank nails. The fasteners shall be spaced approximately 1 inch from each corner and approximately 12 inches on center along each side jamb and approximately 14 inches on center along the head and the sill. The fasteners shall be long enough to penetrate a minimum of 1 1/2 inches into the wall framing members.

Frame (Replacement Windows): The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The window shall be mounted to the wood wall framing members using the window frame of the window with minimum No. 10 x 2 1/2" screws. Along each side jamb, a minimum of five (8) fasteners are required, evenly spaced. Along the head, a minimum of four (4) fasteners are required, evenly spaced. The fasteners shall be long enough to penetrate a minimum of 1 1/2 inches into the wall framing members.

Systems 3 and 5:

Nailing Fin (New Construction): The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The window shall be mounted to the wood wall framing members using the nailing fin of the window with minimum 2 3/8"x0.120" smooth shank nails. The fasteners shall be spaced approximately 1 inch from each corner and approximately 6 inches on center along the perimeter of the window frame. An extruded aluminum mullion bracket (1 1/2" x 1 1/2" x 1 1/8") is required at each end of each mullion. The mullion bracket is secured to the extruded aluminum mullion with two (2) No. 10 x 5/8: screws. The mullion is secured to the wall framing with four (4) No. 12 screws. All fasteners shall be long enough to penetrate a minimum of 1 1/2 inches into the wall framing members.

System 3:

Frame (Replacement Windows): The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The window shall be mounted to the wood wall framing members using the window frame of the window with minimum No. 10 x 2 1/2" screws. Along each side jamb, a minimum of six (6) fasteners are required, evenly spaced. Along the head, a minimum of four (4) fasteners are required per window, evenly spaced. An extruded aluminum mullion bracket (1 1/2" x 1 1/2" x 1 1/8") is required at each end of each mullion. The mullion bracket is secured to the extruded aluminum mullion with two (2) No. 10 x 5/8: screws. The fasteners shall be long enough to penetrate a minimum of 1 1/2 inches into the wall framing members.

System 5:

Frame (Replacement Windows): The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The window shall be mounted to the wood wall framing members using the window frame of the window with minimum No. 10 x 2½" screws. Along each side jamb, a minimum of ten (10) fasteners are required, evenly spaced. Along the head, a minimum of four (4) fasteners are required per window, evenly spaced. An extruded aluminum mullion bracket (1½" x 1½" x 1⅛") is required at each end of each mullion. The mullion bracket is secured to the extruded aluminum mullion with two (2) No. 10 x ⅝: screws. The fasteners shall be long enough to penetrate a minimum of 1½ inches into the wall framing members.

Systems 4 and 6:

Nailing Fin (New Construction): The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The window shall be mounted to the wood wall framing members using the nailing fin of the window with minimum 2⅜"x0.120" smooth shank nails. The fasteners shall be spaced approximately 3 inches from each corner and approximately 6 inches on center along the perimeter of the window frame. An extruded aluminum mullion bracket (1½" x 1½" x 1⅛") is required at each end of each mullion. The mullion bracket is secured to the extruded aluminum mullion with two (2) No. 10 x ⅝: screws. The mullion is secured to the wall framing with four (4) No. 12 screws. All fasteners shall be long enough to penetrate a minimum of 1½ inches into the wall framing members.

System 4:

Frame (Replacement Windows): The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The window shall be mounted to the wood wall framing members using the window frame of the window with minimum No. 10 x 2½" screws. Along each side jamb, a minimum of six (6) fasteners are required, evenly spaced. Along the head, a minimum of seven (4) fasteners are required per window, evenly spaced. An extruded aluminum mullion bracket (1½" x 1½" x 1⅛") is required at each end of each mullion. The mullion bracket is secured to the extruded aluminum mullion with two (2) No. 10 x ⅝: screws. The mullion is secured to the wall framing with four (4) No. 12 screws. The fasteners shall be long enough to penetrate a minimum of 1½ inches into the wall framing members.

System 6:

Frame (Replacement Windows): The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The window shall be mounted to the wood wall framing members using the window frame of the window with minimum No. 10 x 2½" screws. Along each side jamb, a minimum of ten (10) fasteners are required, evenly spaced. Along the head, a minimum of seven (7) fasteners are required per window, evenly spaced. An extruded aluminum mullion bracket (1½" x 1½" x 1⅛") is required at each end of each mullion. The mullion bracket is secured to the extruded aluminum mullion with two (2) No. 10 x ⅝: screws. The mullion is secured to the wall framing with four (4) No. 12 screws. The fasteners shall be long enough to penetrate a minimum of 1½ inches into the wall framing members.

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.