

BEAUTIFULLY



AN INVESTMENT IN QUALITY

Impact resistant door and window systems by WinDoor have been designed with knowledge gained from years of understanding the needs of coastal markets. With our offices and manufacturing facilities located in Orlando Florida, we are at home with the demands placed on us by Mother Nature.



The technical information in our product manuals, technical data sheets and website as well as our sales consultants and application engineers are available to aid you with the proper selection of WinDoor products.

Instead of modifying or adapting old technology to meet the new stricter building codes, WinDoor engineers adopted a CLEAN SLATE approach. WinDoor engineers were challenged with providing solutions that would meet the unique needs of protecting occupants and their property from severe hurricane force winds and resulting flying debris. At the same time the challenge was to do so without the heavy cumbersome look prevalent in so many other doors. With our clean slate approach we have succeeded in meeting the Miami-Dade protocols and at the same time provide unparalleled design refinement. More simply stated, PROTECTING YOUR INVESTMENT BEAUTIFULLY.

WinDoor products have been tested to withstand the highest design pressures and handle the brunt of large and small missile impact as defined by Miami-Dade Protocols TAS 201, 202 and 203 testing. We have also tested for AAMA/NWWDA 101/I.S.2-97 and appropriate ASTM standards E 1886 and E 1996, to show compliance with the newest AAMA 506 impact codes required by states other than Florida.

While developing the best product has always been one of our goals, our focus continues to be on VALUE ENGINEERING and the time honored pursuit of offering LIFE CYCLE VALUE. As a result, we have developed products that deliver exceptional performance both in structural and aesthetic measure. One example, explained in detail in this brochure, is our innovative solution to designing sliding glass doors with a 90 or 135 degree corner. By focusing on the parameters that affect performance we are able to offer doors that significantly exceed previous maximum sizes for a given design pressure. Please consult the information listed on pages 14 and 15 for the available glass configurations and corresponding design pressures. This will help you determine the glazing that best meets the design pressures and size requirements for your project.



Extraordinary design concepts call for extraordinary specifications, which is why WinDoor offers standard pre-written or available custom specifications, accessible through our website at **www.windoorinc.com**. This service allows you to log on and develop the specifications you want.

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ABOUT THE COMPANY

A story about a company's founding usually begins with the story about a man with a particular vision. In WinDoor's case, it was two men. Both have great strength in product design and manufacturing while one also possesses a consummate knowledge of the demands of the fenestration market. What they shared most however, was the desire to manufacture a sliding glass door that would meet the demands of the new impact glazing codes. Their high standards for performance and aesthetic requirements led to the development of the Series 8000 Sliding Glass Door. WinDoor grew steadily from its founding and now with over 250 employees, occupy a new 310,000 square foot manufacturing facility.



The Delivery System: Experience working in the field gave us the insight to develop a better delivery system. We designed trucks that have a fork lift truck on the back. By using special racks that lock into the truck bed, we can deliver our product on racks directly to the job site or to our dealers' warehouse. This saves time and insures safer handling.



WinDoor's Field Quality Assurance

Program: Manufacturing quality is field verified and the installation process certified. We take responsibility for training WinDoor certified installers and further, conducting field inspections of mid to high rise projects. This effort is designed to ensure that our dealers and their customers receive the quality products and performance they expect.



Everyone wins, the product is installed by a certified dealer and the dealer has few if any call backs to the field. The ultimate customer, the end user, gets what they paid for, a hassle free experience and the best performing doors and windows in the industry. That's value!

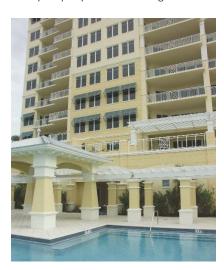
NEW CONSTRUCTION PROJECTS

Traditionally this market was driven by competitive biding and product selection was decided by the lowest cost. With the advent of the owner/developer (his name is on the property) and the demands of highly educated, even sophisticated end users, the product selection process has become the concern of the developer as well as the architect. LIFE CYCLE COSTING and VALUE ENGINEERING are more than catchy phrases and the value of WinDoor is meaningful.

Passive protection from Hurricanes:

There is no rush to put up barriers, you have 24/7/365 piece of mind!

Heavy Commercial construction: Built with minimum .080 thick wall extrusions and AAMA certified components, you will understand why our guarantee for trouble free operation is based on construction quality and independent laboratory testing. Our quality is part of the design.



ORCHID BEACH • Orchid Beach Condominiums is a two tower beach front property, located on the Gulf Coast of FL. at Lido Key. Their location and the demands of a prestigious property required no less than WinDoor's Series 8000 impact rated doors and Series 2000 impact rated windows.



O C E A N S G R A N D • Oceans Grand (shown here under construction) is a 21 story condominium in Daytona Beach Shores, Florida. It has more than 400 sliding glass doors and more than 300 fixed windows. The developers selected WinDoor's Series 8000 SGD and Series 1000 fixed windows to meet the design load and impact requirements for this ocean and inter-coastal view location. The architectural design required columns of bow windows, eight lites wide, with a custom radius mullion. From the first delivery of SGD's to this job site our Field Quality Assurance Team conducted on site installation training and later, follow-up inspections of the installation process.



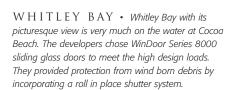


SURF CLUB II · Sitting like a fortress in St. Augustine, Surf Club II overlooks the Atlantic Ocean. Exposed as it is to the elements, the developers selected more than 600 WinDoor Series 8000 sliding glass doors to protect the residents and their investment beautifully.

LA BELLASARA • La Bellasara sits beside the Grande Riviera on Sarasota Bay. Due to its unique client demands this project allowed each owner to customize their condominium by selecting sliding glass door stiles and sizes specific to their needs. That level of customization was a challenge only WinDoor could meet. More than 200 doors and windows meet those needs while providing security and protection.



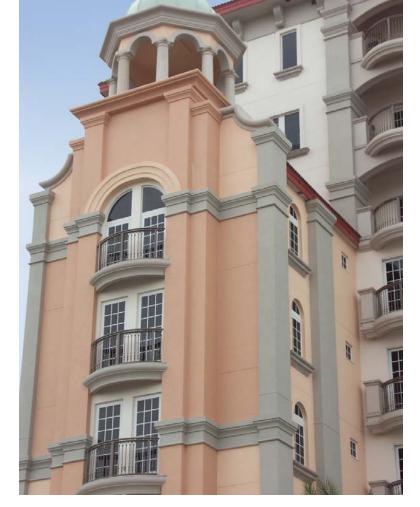








 $T\,O\,W\,E\,R\,S\,$ $\,1\,2\,$ • The developers of Towers 12, a South Daytona Beach ocean front condominium, selected WinDoor Series 6000 sliding glass doors. More than 200 doors protect the buildings occupants from the potential of storms and wind driven rain.





GRANDE RIVIERA

Grand Riviera is nine stories of elegance and spectacular views of Sarasota Bay. The developers wanted a sliding glass door that offered not only the high performance and impact protection required by coastal Florida codes but in addition the French door look provided by a large bottom rail. They achieved that and more with over 100 Series 8000 doors and 200 Series 2000 fixed windows.

RITZ CARLTON BAY CLUB • The Ritz Carlton Bay Club in St. Thomas is a resort in the Virgin Islands. Their elegant facilities pamper a vacationer's every need and the quality of the experience must be provided at every level. That same attention to detail is found in the sliding glass doors they selected. More than 300 WinDoor Series 8000 SGD's meet their high standards for quality and performance.



REPLACEMENT PROJECTS

Though we make sliding glass doors as wide as 40 ft. and up to 10 ft. tall, we also make replacement size doors. If your needs call for smaller replacement sizes, (example 6 ft. wide by 6 ft. 8 inches high) we can make retrofit doors to any custom size you require. We will work with you to provide exactly what you need. To contact the WinDoor sales consultant nearest you, log onto our website at **www.windoorinc.com** or call us at **407.481.8400**.

Two Prestigious Hotels Are Renovated.

WinDoor provided more than 1,600 sliding glass doors at two large resort hotels located within Central Florida's most famous theme park. Wind-driven rain from three consecutive hurricanes substantiated that the thirty-year-old sliding glass doors were no longer up to the task. WinDoor's Series 6000 sliding glass doors were selected to replace the old doors and meet the challenge of the next thirty years.





HOLIDAY INN HOTEL

The Holiday Inn Hotel at Lake Buena Vista, Florida is undergoing a complete renovation. As part of the process, WinDoor's Series 6000 sliding glass doors and Series 1000 fixed windows were selected to replace the 300 old doors and windows.

REGATTA BEACH CLUB

Regatta Beach Club a 35 year old facility underwent a complete renovation as it was transformed from an apartment complex to a resort condominium.

The gulf coast beach front location demanded the highest performance for wind and water protection. WinDoor Series 8000 sliding glass doors, with the French door look provided by a high bottom rail, were selected to meet the demands of a fresh architectural appearance and the highest performance.







SOUTH-POINT • South-Point Condominiums in South Daytona Beach underwent a renovation program to protect the property from water infiltration. The program resulted in, among other things, the replacement of 100 sliding glass doors. WinDoor's Series 8000 meets both the design pressure requirements and the large and small missile impact requirements for this building's ocean front location.

HOTEL ROYAL PLAZA • Hotel Royal Plaza located at Lake Buena Vista in the community of resort hotels at Disney World in Orlando, selected WinDoor. After Hurricane Charley struck in 2004, hotel management knew their complete renovation and modernization program would include the replacement of their 400 sliding glass doors. One of their goals was to ensure that water would not be a problem with future storms. The engineering and consulting firm of United Engineering, Inc. was selected to help them through the process. WinDoor provided this protection with 400, Series 6000 sliding glass doors designed to meet water test pressures of 16 psf.



RESIDENTIAL PROJECTS

SLIDING GLASS WALLS!

Beauty may not be definable; it is after all in the eye of the beholder. It may be elegant, sophisticated or simply uncluttered...you pick the superlatives. We call the end result CLASSIC INTELLIGENCE OF DESIGN; you may call it the best looking sliding glass door in the industry. Talking with design professionals, architects and engineers about our doors they agree, "WinDoor goes beyond sliding glass doors". You will be impressed too, by the architectural freedom now available due to 40 foot wide, 10 foot tall sliding glass walls!









We didn't stop there. We realize that you do not want to be restricted by a manufacturer's standard sizes. Our unique manufacturing capability allows us to provide any custom size your project may demand. In addition we offer our doors with 90 degree and 135 degree corners. This technology is available in both outside and inside corner configurations. All doors are available as pocket doors allowing a totally open view. We manufacture custom sizes and offer limitless operational variety so you can design for new construction or retrofit projects with complete freedom.





INNOVATION: 90 degree and 135 degree corner doors: As an industry innovator we constantly strive to go beyond the existing standards. When we developed our pocket sliding glass doors and certified their performance up to 10 feet tall, we knew we really created the SLIDING GLASS WALL. We took it one more step and designed the 90 degree and 135 degree corner door. When this corner door is opened, it retracts from the corner into the jamb pockets at each wall, thus disappearing into the walls leaving only an uninterrupted view of the world. This special capability is even more impressive when you consider it meets the demands of high design pressures and the impact codes.





Pocket Doors: This feature allows the sliding glass panels to retract into the wall or merely hide out of site behind the wall. The benefit is that you have an opening completely void of everything but the view.

ATTENTION TO DETAIL

The features listed below depict some of the details that separate a WinDoor sliding glass door or window from others. As an example, our tandem Delrin® wheels set in stainless steel housings translate into very quite, smooth and easily operating panels. This feature coupled with our dual point mortise lock, also in stainless steel, means that in coastal applications the problems caused by salt air and abrading sand are eliminated. Our unique application of hidden wool pile with center Mylar fin weather barriers, offer not just airtight performance but the aesthetic considerations dictated by thoughtful design.

Custom color paint finishes:

Henry Ford said it first, but we took

the limits off the choices. "Any color you want as long as it's...any color you want." We offer industry leader PPG, painted finishes. Our standard AAMA 2603 electrostatic applied paint is Duracron. We can also provide a better quality finish of Duranar (70% Kynar) which meets AAMA 2605. Which ever you select, both finishes meet the highest industry standards for color retention, resistance to chalking and film integrity. In addition, we can provide different interior and exterior colors. As a home owner or as a designer you will have the color you want outside your home and your decorating theme inside will not be restricted.

Hidden fasteners: Ours are unique in the industry and very desirable from an aesthetic point of view. The real benefit is in the appearance of the door. Clean uncomplicated lines that let you appreciate the beauty of the door, not unsightly attachment screws.

Dual fin weather stripping: It not only keeps the weather out with its double barrier, WinDoor designers have concealed it. You know it is working each time you operate the door and hear the quiet SWOOSH of wool pile against the frame. The weather barrier while not seen quietly reassures you each time the door is opened or closed.

pull handles: Our doors have real pull handles, not the kind with a little slot that break your nails or makes sliding the door nearly impossible. Our handles will be appreciated every time the door is opened or closed.

Primary and secondary dual point mortise locks: A dual point locking mechanism is the most secure lock used in the industry. Ours features an anti-slam device. It is our standard lock located at the handle and secures the door panel with two CLAWS that lock in both an up and down direction. An identical secondary lock is provided on our doors that are taller than eight feet. And of course the secondary lock is available as an option on doors that are not eight feet tall. The secondary lock is located six feet up from the floor. Should the grandchildren come over and you are unable to keep an eye on them at all times, it is comforting to know that the secondary lock is out of their reach.

Laminated glass: Besides increasing the strength of non-laminated glass to act as a barrier to the wind blown debris of storms, laminated glass also reduces transmitted noise by more than 50% over standard annealed glass. Additionally, the PVB interlayer contained in laminated glass filters the sun's ultra violet rays thereby blocking these harmful rays from fading fine furniture, draperies and carpeting. This extra benefit is particularly appreciated in intense sunny climates.



Insulated glass: You already know about the protection that results from using laminated glass. Additionally, when laminated glass is used as part of an insulated glass unit, the benefits go beyond just impact protection. The result is lower energy costs, better condensation resistance and significantly less transmitted noise.



Delrin* tandem wheels: Our engineers have specifically designed these wheels with stainless steel housings and stainless steel ball-bearings to be whisper quiet. Delrin is an ABS/acetal co-polymer and has excellent dimensional stability. The wheel has been designed so that it's contoured to perfectly match the aluminum track that it rides on. This results in a wheel that tracks perfectly without lateral vibration and contributes significantly to the ease and smoothness of operation.

Dual interlocks at the meeting

rails: Imagine two tubes parallel to one another, such as the vertical panel stiles of our sliding glass door panels. If they are not physically linked together in some way a force or load on them will cause them to separate or roll apart. Two rows of INTERLOCKS have been incorporated into our panel stiles so they combine to form one strong element. The interlocks assure that the panels actually lock together to resist any force that is placed upon them. Now imagine that this force is one created by the wind from a hurricane and you can appreciate the importance of this structural feature.

Should design pressures require product reinforcing to meet the loads, you will appreciate that we use concealed aluminum bars inside our vertical stiles. As a result we maintain our products appearance whether reinforced or not. As a long term consideration, unlike those who use steel for this purpose, you will not experience pools of rust under your doors.

Two part sill and hidden

fasteners: The two parts are the SILL PAN and the SILL TRACK or COVER PLATE. The sill pan is anchored to the floor while the jambs and head are attached to the rest of the opening. At this point the fasteners are exposed, allowing



a building inspector to verify that they are in their proper locations. Because the sill track covers the sill pan, the installers can apply extra sealant over the fasteners, ensuring a water tight installation. Another advantage of this two part system is the clean appearance of the sill track and jambs, the finished product really looks finished.

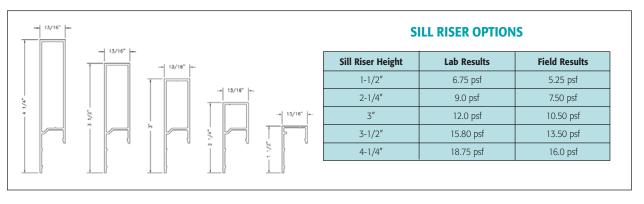
Sill risers and protection from

water: Our door sills have unique designs to meet stringent water test pressure requirements. The AAMA 101 standard prescribes that a door's water test pressure must be a minimum of 15% of its positive design pressure. We have developed a unique sill for our Sliding Glass Door. Because each application requires a different design pressure, we have a variety of sill heights to meet or exceed these various conditions. (see chart on page 14)

Weather-stripping: The benefits of using silicon impregnated wool pile, separated by a Mylar film, are well documented and it enjoys wide usage throughout our industry. The key to superior design and performance is in the placement of this weather-striping. WinDoor uses double rows along all four edges of each glass panel. The result is superior resistance to air infiltration. We have succeeded in that, not only do you see nothing of the weather-striping but you hear nothing of the wind blowing outside.

WINDOOR PRODUCT SELECTION GUIDE

SLIDING GLASS DOORS	July July July July July July July July	To Solution of the control of the co	M M	ax Panel Siz	es / 1/4/5/8/	Panel Sign	Poder D.	\$ \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Spen Al. :	* \$\frac{1}{100} \limits_{\text{int}} \frac{1}{100}			2 / 10/16	Deglin 2	_
Series 8000 IMPACT	1 2		/	Product D	imensional I		/ 4	/ 0 0,	/ ~		/ 'n.	Glazing	/ %.		
2 Track	5-1/8"	4	4' x 10'	5' x 8'	•	5-3/8"	•	•					•	•	
2 Track with Screen	6-5/8"	4	4' x 10'	5' x 8'	•	5-3/8"			•				•	•	
3 Track	7-1/2"	6	4' x 10'	5' x 8'	•	5-3/8"	•	•	•				•	•	
4 Track	9-7/8"	8	4' x 10'	5' x 8'	•	5-3/8"	•	•	•				•	•	
Series 8000 NON-IMPACT]														
2 Track	5-1/8"	4	5' x 10'		•	5-3/8"	•	•		•		•			
2 Track with Screen	6-5/8"	4	5' x 10'		•	5-3/8"			•	•		•			
3 Track	7-1/2"	6	5' x 10'		•	5-3/8"	•	•	•	•		•			
4 Track	9-7/8"	8	5' x 10'		•	5-3/8"	•	•	•	•		•			
Series 6000 NON-IMPACT]														
2 Track	5-1/8"	4	5' x 10'			2-3/4"	•	•		•	•				
2 Track with Screen	6-5/8"	4	5' x 10'			2-3/4"			•	•	•				
3 Track	7-1/2"	6	5' x 10'			2-3/4"	•	•	•	•	•				
4 Track	9-7/8"	8	5' x 10'			2-3/4"	•	•	•	•	•				
FIXED WINDOWS	Fame Do.			x Window Si Glaze and In				7/6" John John John John John John John John	, Ching 1	Ni milialio	1		Assignment Patron	10/3/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/	
			imensional I	nformation				zing			,	Performance			
Series 2000 IMPACT	3"	4' x 10'	5' x 8'					•	•	0.00	25 0.	70 45	C-110	+150/-175	
Series 2000 NON-IMPACT	3"	6' x 8'	5' x 10'	12'2" x 4'	6' x 6'	•	•			0.00	30 0.	70 45	HC-200		
Series 1000 IMPACT	3"	4' x 10'	5' x 8'					•	•	0.00	25 0.	73 45		+150/-175	
Series 1000 NON-IMPACT	3"	6' x 8'	5' x 10'			•	•			0.00	25 0.	73 45	HC-200		



Use this Selection Guide for preliminary information on the performance and options available on WinDoor products. The performance data is from laboratory tests on certification size doors and windows or is calculated utilizing comparative analysis. All products meet Miami-Dade or AAMA protocols and are tested in accredited laboratories complying with third party certification.

The information in this table was taken from current Miami-Dade and AAMA certification test reports. The thermal U-Value and CRF results were calculated from tests on similar products. Values shown may vary slightly due to product changes or testing at different laboratories. Test results, specifications, NOA's and other technical information are available from your WinDoor representative or our web-site. www.windoorinc.com

- The higher performance ratings shown are available on aluminum reinforced products.
- STC ratings are dependent on the glazing specified or other product modifications. Please consult with your WinDoor representative or contact our engineering department for specific recommendations. Certain models are available in dual glazed or multi-track configurations.
- WinDoor insulated glass units are IGCC-CBA tested and certified, the industry's highest rating.

- ▼ Will DOOI Insulated gass units are note that the second in a variety of configurations. The chart shows the maximum size door panels available. You may arrange the panels in various configurations to fill fenestration openings up to 40 ft. wide and up to 10 ft. tall. The performance rating shown is for our by-pass or multi-track door configurations.
 ★ The size shown for fixed windows is the certification test size. Note; that for certified windows and doors, the size window or door panel must stay within the limits of the maximum size window or door panel tested. No dimension may be wider or higher than the certified maximum size.
- * Insect screens are intended only to provide reasonable insect control. They are not intended to prevent people or objects from entering or exiting the door or to provide security against forced entry.

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Ni Milli	Max Water 7.	(((((((((((((((((((SC Paths	28 John 10,	Minimage Personal Property of the Property of	
			Performance	9			X = Operable $O = Fixed$ $P = Pocket$
0.03	18	0.63	48	35	HC 100	+120/-150	XO, OX, XX, OXO, OXXO, XXXX, PX, XP, PXX, XXP, PXXP, PXXXXP
0.03	18	0.63	48	35	HC 100	+120/-150	XO, OX, XX, OXO, OXXO, XXXX
0.05	18	0.63	48	35		+100/-100	XXO, OXX, XXX, OXXXXO, XXXXXX, PXXX, XXXP, PXXXXXXP
0.05	18	0.63	48	54		+100/-100	XXXO, OXXX, XXXX, OXXXXXXO, XXXXXXX, PXXXX, XXXXP, PXXXXXXXP
0.10	18	0.65	45	35	HC 105		XO, OX, XX, OXO, OXXO, XXXX, PX, XP, PXX, XXP, PXXP, PXXXXP
0.10	18	0.65	45	35	HC 105		XO, OX, XX, OXO, OXXO, XXXX
0.10	18	0.65	45	35	HC 70		XXO, OXX, XXX, OXXXXO, XXXXXX, PXXX, XXXP, PXXXXXXP
0.10	18	0.65	45	48	HC 70		XXXO, OXXX, XXXX, OXXXXXXO, XXXXXXX, PXXXX, XXXXP, PXXXXXXXP
0.03	18	0.65	45	31	HC 60		XO, OX, XX, OXO, OXXO, XXXX, PX, XP, PXX, XXP, PXXP, PXXXXP
0.03	18	0.65	45	31	HC 60		XO, OX, XX, OXO, OXXO,XXXX
0.06	18	0.65	45	31	HC 45		XXO, OXX, XXX, OXXXXO, XXXXXX, PXXX, XXXP, PXXXXXXP
0.06	18	0.65	45	47	HC 45		XXXO, OXXX, XXXX, OXXXXXXO, XXXXXXX, PXXXX, XXXXP, PXXXXXXXP

CERTIFIED DESIGN PRESSURES

Series 8000 & 6000 Panel Sizes
2'6" x 6'8"
2'6" x 8'0"
2'6" x 9'0"
2'6" x 10'0"
3′0″ x 6′8″
3'0" x 8'0"
3'0" x 9'0"
3′0″ x 10′0″
3'6" x 6'8"
3'6" x 8'0"
3'6" x 9'0"
3′6″ x 10′0″
4′0″ x 6′8″
4'0" x 8'0"
4'0" x 9'0"
4′0″ x 10′0″
4'6" x 6'8"
4'6" x 8'0"
4'6" x 9'0"
4′6″ x 10′0″
5′0″ x 6′8″
5′0″ x 8′0″
5′0″ x 9′0″
5′0″ x 10′0″

Series 8000 IMPACT
+120/-150
+120/-150
+120/-150
+117/-146
+120/-150
+120/-150
+113/-142
+100/-125
+120/-150
+117/-146
+100/-126
+88/-110
+120/-150
+106/-133
+91/-114
+80/-100
+120/-120
+100/-100
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+120/-120
+100/-100
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Series 8000 NON-IMPACT
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+135/-155
+120/-137
+169/-178
+135/-154
+117/-133
+103/-118
+147/-147
+119/-119
+108/-108
+91/-101
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+95/-95
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+105/-105
+81/-84
+70/-80
+124/-124
+105/-105
+81/-84
+70/-80

Series 6000 NON-IMPACT
+125/-125
+100/-100
+87/-87
+77/-77
+109/-109
+87/-87
+75/-75
+66/-66
+98/-98
+77/-77
+67/-67
+58/-58
+90/-90
+70/-70
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+53/-53
+85/-85
+65/-65
+56/-56
+48/-48
+81/-81
+61/-61
+52/-52
+45/-45

YOU ARE KNOWN BY THE COMPANY YOU KEEP

Our valued customers are some of the most respected names in the hospitality, resort and fine home building industries. Allow us the privilege to drop a few of their names: A world famous theme park in Central Florida, Ritz Carlton®, **Marriott International Hotel** and Resorts®. Watermark **Communities International®** (WCI) and Arthur Rutenberg Homes®. We are part of their decision to provide the best, safest products for their customers and we take that responsibility seriously.







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CONTACT YOUR WINDOOR DEALER