



### 143 SERIES VINYL HORIZONTAL SLIDER





- Nearly impenetrable barrier to air & water penetration: Fusion welded 3 ¼" frame & sash provide strength, stability, and rigidity
- Unique cove mold design
- Resists air infiltration: Advanced weather stripping enhances energy efficiency, comfort, and draft protection
- Better thermal barrier than most other windows:
   .070" walls are a full 12% thicker than most other windows
- Sunshield a proprietary high-performance vinyl compound
- Lifetime limited warranty on all vinyl frames



SPECIFICATIONS	
Maximum Size	73"X61" (IMPACT) 74"X72" (NON-IMPACT)
Maximum Design Pressure	+/-50 PSF
Glass	Insulated, Insulated Impact
Grid	Grids Between Glass (GBG) or Simulated Divided Light (SDL)
Grid Options	Colonial, Prairie, Perimeter
Frame Depth	3 1/4"
Frame Style	Fin, Box & Flange
Colors	White, Desert Sand, or Bronze Laminate Exterior/White Interior
Approvals/Certifications	Energy Star®, NFRC, Florida Product Approval







### 143 SERIES VINYL DOUBLE-HUNG



### LIFETIME WARRANTY ON ALL VINYL FRAMES

- Nearly impenetrable barrier to air & water penetration: Fusion welded 3 ¼" frame & sash provide strength, stability, and rigidity
- Unique cove mold design
- Maximized water runoff, even in driving rain: 5 degree sloped sill
- Resists air infiltration: Advanced weather stripping enhances energy efficiency, comfort, and draft protection
- Better thermal barrier than most other windows:
   .070"walls are a full 12% thicker than most other windows
- Smooth and maintenance-free operation: Coil pack balancers
- Sunshield a proprietary high-performance vinyl compound
- Easy sash operation: Attractive, integral lift rail
- Easy to clean: Tilt sash
- Lifetime limited warranty on all vinyl frames





SPECIFICATIONS		
Maximum Size	48" X 72" *Other sizes available upon request	
Maximum Design Pressure	+/-50 PSF	
Glass	Insulated, Insulated Impact	
Grid	Grids Between Glass (GBG) or Simulated Divided Light (SDL)	
Grid Options	Colonial, Prairie, Perimeter	
Frame Depth	3 ¼"	
Frame Style	Fin, Box & Flange	
Colors	White, Desert Sand, or Bronze Laminate Exterior/White Interior	
Approvals/Certifications	Energy Star®, NFRC, Florida Product Approval	





### 143 SERIES VINYL CASEMENT WINDOW





- Nearly impenetrable barrier to air & water penetration: Fusion welded 3 ¼" frame & sash provide strength, stability, and rigidity
- · Unique cove mold design
- Resists air infiltration: Advanced weather stripping enhances energy efficiency, comfort, and draft protection
- Better thermal barrier than most other windows:
   .070"walls are a full 12% thicker than most other windows
- Enhanced security: Multi-point lock
- Sunshield a proprietary high-performance vinyl compound
- Stainless hardware option available: corrosion resisteance, easy maintenance, durability
- Lifetime limited warranty on all vinyl frames







SPECIFICATIONS	
Maximum Size	38" X 77"
Maximum Design Pressure	+/-70 PSF
Glass	Insulated, Insulated Impact
Grid	Grids Between Glass (GBG) or Simulated Divided Light (SDL)
Grid Options	Colonial, Prairie, Perimeter
Frame Depth	3 1/4"
Frame Style	Fin, Box & Flange
Colors	White, Desert Sand, Bronze Laminate Exterior/White Interior, or Black Laminate Exterior/White Interior
Approvals/Certifications	HVHZ, Energy Star®, NFRC, Florida Product Approval





### 143 SERIES VINYL AWNING WINDOW





- Nearly impenetrable barrier to air & water penetration: Fusion welded 3 ¼" frame & sash provide strength, stability, and rigidity
- Unique cove mold design
- Better thermal barrier than most other windows:
   .070"walls are a full 12% thicker than most other windows
- Sunshield a proprietary high-performance vinyl compound
- · Lifetime limited warranty on all vinyl frames
- Dual locking system to provide extra security and strength



SPECIFICATIONS	
Maximum Size	54-1/8" X 40"
Maximum Design Pressure	+65/-70 PSF
Glass	Insulated Impact
Grid	Grids Between Glass (GBG) or Simulated Divided Light (SDL)
Grid Options	Colonial, Prairie, Perimeter
Frame Depth	3 1/4"
Frame Style	Fin, Box & Flange
Colors	White, Desert Sand, Bronze Laminate Exterior/White Interior, or Black Laminate Exterior/White Interior
Approvals/Certifications	HVHZ, Energy Star®, NFRC, Florida Product Approval









### 143 SERIES VINYL PICTURE WINDOW





- Nearly impenetrable barrier to air & water penetration: Fusion welded 3 ¼" frame & sash provide strength, stability, and rigidity
- Unique cove mold design
- Better thermal barrier than most other windows:
   .070"walls are a full 12% thicker than most other windows
- Sunshield a proprietary high-performance vinyl compound
- Lifetime limited warranty on all vinyl frames
- **Design flexibility:** Virtually any type of architectural window can be done



SPECIFICATIONS	
Maximum Size	64"X84" (IMPACT) 74-1/2" X 72" (NON-IMPACT)
Maximum Design Pressure	+/-80 PSF
Glass	Insulated Impact
Grid	Grids Between Glass (GBG) or Simulated Divided Light (SDL)
Grid Options	Colonial, Prairie, Perimeter
Frame Depth	3 ¼"
Frame Style	Fin, Box & Flange
Colors	White, Desert Sand, or Bronze Laminate Exterior/White Interior
Approvals/Certifications	Energy Star®, NFRC, Florida Product Approval







## 143 SERIES VINYL SINGLE-HUNG





- Nearly impenetrable barrier to air & water penetration: Fusion welded 3 ¼" frame & sash provide strength, stability, and rigidity
- Unique cove mold design
- Better thermal barrier than most other windows: .070"walls are a full 12% thicker than most other windows
- Smooth and maintenance-free operation: Coil pack balancers
- Sunshield a proprietary high-performance vinyl compound
- Easy sash operation: Attractive, integral lift rail
- Easy to clean: Tilt sash
- Lifetime limited warranty on all vinyl frames



SPECIFICATIONS	
Maximum Size	64"X84" (IMPACT) 74-1/2" X 72" (NON-IMPACT)
Maximum Design Pressure	+/-50 PSF (Standard DP 50. 65 available upon request)
Glass	Insulated Impact
Grid	Grids Between Glass (GBG) or Simulated Divided Light (SDL)
Grid Options	Colonial, Prairie, Perimeter
Frame Depth	3 ¼"
Frame Style	Fin, Box & Flange
Colors	White, Desert Sand or Bronze Laminate Exterior/White Interior
Approvals/Certifications	Energy Star®, NFRC, Florida Product Approval







## 176 SERIES VINYL SINGLE-HUNG WINDOW





- Nearly impenetrable barrier to air & water penetration: Fusion welded 3 ¼" frame & sash provide strength, stability, and rigidity
- Unique cove mold design
- Maximized water runoff, even in driving rain: Weeped saddleback sill system
- Better thermal barrier than most other windows:
   .070"walls are a full 12% thicker than most other windows
- Resists air infiltration: Advanced weather stripping enhances energy efficiency, comfort, and draft protection
- Smooth and Maintenance free operation: Coil pack balancers
- Sunshield a proprietary high-performance vinyl compound
- Easy sash operation: Attractive, integral lift rail
- Easy to clean: Tilt sash
- Lifetime limited warranty on all vinyl frames and insulated lgass
- Made in the USA







SPECIFICATIONS	
Maximum Size	54" X 77"
Maximum Design Pressure	+-/120 PSF
Glass	Insulated, Insulated Impact
Grid	Grids Between Glass (GBG) or Simulated Divided Light (SDL)
Grid Options	Colonial, Prairie, Perimeter
Frame Depth	3 1/4"
Frame Style	Fin, Box & Flange
Colors	White, Desert Sand, Bronze Laminate Exterior/White Interior, or Black Laminate Exterior/White Interior
Approvals/Certifications	HVHZ, Energy Star®, NFRC, Florida Product Approval





### 176 SERIES VINYL HORIZONTAL SLIDER





- Nearly impenetrable barrier to air & water penetration:
   Fusion welded 3 ¼" frame & sash provide strength,
   stability, and rigidity
- · Unique cove mold design
- Maximized water runoff, even in driving rain: Weeped saddleback sill system
- Better thermal barrier than most other windows:
   .070"walls are a full 12% thicker than most other windows
- Resists air infiltration: Advanced weather stripping enhances energy efficiency, comfort, and draft protection
- Enhanced leak protection: Structured with baffled weep system directs water away from your home
- Sunshield a proprietary high-performance vinyl compound
- Lifetime limited warranty on all vinyl frames and insulated Igass
- Made in the USA







SPECIFICATIONS	
Maximum Size	74" X 76" - 2 Panel 111" X 76" - 3 Panel
Maximum Design Pressure	+70/-85 PSF
Configurations	XO/OX, XOX - 1/4 1/2 1/4 or 1/3, 1/3 , 1/3
Glass	Insulated, Insulated Impact
Grid	Grids Between Glass (GBG) or Simulated Divided Light (SDL)
Grid Options	Colonial, Prairie, Perimeter
Frame Depth	3 1/4"
Frame Style	Fin, Box & Flange
Colors	White, Desert Sand, Bronze Laminate Exterior/White Interior, or Black Laminate Exterior/White Interior
Approvals/Certifications	HVHZ, Energy Star®, NFRC, Florida Product Approval





### 176 SERIES VINYL PICTURE WINDOW





- Nearly impenetrable barrier to air & water penetration: Fusion welded 3 ¼" frame & sash provide strength, stability, and rigidity
- · Unique cove mold design
- Better thermal barrier than most other windows:
   .070"walls are a full 12% thicker than most other windows
- Sunshield a proprietary high-performance vinyl compound
- Lifetime limited warranty on all vinyl frames and insulated Igass
- Made in the USA



SPECIFICATIONS	
Maximum Size	72" X 84"
Maximum Design Pressure	+-/90 PSF
Glass	Insulated, Insulated Impact
Grid	Grids Between Glass (GBG) or Simulated Divided Light (SDL)
Grid Options	Colonial, Prairie, Perimeter
Frame Depth	3 1/4"
Frame Style	Fin, Box & Flange
Colors	White, Desert Sand, Bronze Laminate Exterior/White Interior, or Black Laminate Exterior/White Interior
Approvals/Certifications	HVHZ, Energy Star®, NFRC, Florida Product Approval









### **623 SERIES**VINYL SLIDING PATIO DOOR



## LIFETIME WARRANTY ON ALL VINYL FRAMES

#### **FEATURES & BENEFITS:**

- Strong, energy efficient and maximum air tightness:

  Multi chambered frame with double weather-stripping
- High end look: Snap on covers conceal fastener installation
- Added Security: 2-point locking system and optional keyed handle set

#### **STANDARD ITEMS:**

- · Fusion welded, structurally reinforced sashes
- Rugged aluminum sill cover
- Dual mortise lock w/anti-slam device
- Adjustable dual cams on lock
- Weep holes in track
- Anti-lift panel devices
- Stainless steel dual tandem roller3 ¼"s with precision ground bearings
- Sunshield a proprietary high-performance vinyl compound

#### **EXTRA ITEMS:**

- Premium hardware options available
- Colonial, or Prairie grids between the glass





SPECIFICATIONS	
Maximum Size	192" X 96"
Maximum Design Pressure	+-/65 PSF
Configurations	OX/XO, OXO, OXXO
Glass	Insulated, Insulated Impact
Grid	Grids Between Glass (GBG) or Simulated Divided Light (SDL)
Grid Options	Colonial, Prairie, Perimeter
Colors	White, Desert Sand, or Bronze Laminate Exterior/White Interior,
Approvals/Certifications	HVHZ, NFRC, Florida Product Approval

FRAME / TRACK SIZES			
	Head	Jamb	Sill
2T w/screen	5 1/8"	5 1/8"	5 1/8"





### 650 SERIES VINYL MULTI-TRACK PATIO DOOR



### LIFETIME WARRANTY ON ALL VINYL FRAMES & INSULATED GLASS

#### **FEATURES & BENEFITS:**

- **Smooth Operation:** Panels stack neatly to create an ultra-wide opening with clean sight lines
- Can be installed in traditional and pocket installations
- New construction and replacement
- Up to 8 panels wide
- · Heavy aluminum interlocks with vinyl covers

#### STANDARD ITEMS:

- Stainless Steel Tandem rollers
- Dual Mortise Lock w/anti-slam device
- Adjustable dual cams on locks
- Anodized Track cover
- Sunshield a proprietary high-performance vinyl compound

#### **EXTRA ITEMS:**

- Colonial grids
- Multiple handle designs available, including a European style in white or brushed nickel
- Configurations: 2, 3, and 4 multi-track configuration with single and double pocket capabilities







FRAME / TRACK SIZES		
Track	Sill	
2D2T no screen	5 1/2"	
2D2T w/screen	7 1/8"	
3D3T no screen	7 11/16"	
3D3T w/screen	9 5/16"	
4D4T no screen	9 15/16"	
4D4T w/screen	11 9/16"	

RISERS FOR TRACK	
55 DP	3 1/16"
70 DP	4"

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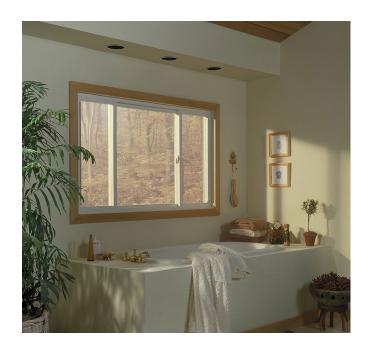




### FWI 1000 SERIES ALUMINUM HORIZONTAL SLIDER



- **Superior Strength:** Heavy duty aluminum alloy featuring 6063-T6
- Durability: 31/4" frame depth
- Optional Heat stregtned glass available
- Maximize prevention of air and water penetration:
   Double veined felts
- Uniform external look throughout the building: Uniform construction of all applications ensures windows with different DPs maintain the same external look
- Protection against corrosion and longer life: Stainless steel option available
- Ease-of-operation, install and longer life: Heavy duty adjustable rollers
- Enhanced energy efficiency: Insulated glass option available



SPECIFICATIONS	
Maximum Size	74" X 76" - 2 Panel 111" X 76" - 3 Panel
Maximum Design Pressure	+100/-120 PSF
Configurations	XO/OX, XOX - 1/4 1/2 1/4 or 1/3, 1/3 , 1/3
Glass	Insulated, Insulated Impact
Grid	Grids Between Glass (GBG) or Simulated Divided Light (SDL)
Grid Options	Colonial, Prairie, Perimeter
Frame Depth	3 1/4"
Frame Style	Flange & Flange with optional Slip on fine
Colors	White, Desert Sand, Bronze Laminate Exterior/White Interior, or Black Laminate Exterior/White Interior
Approvals/Certifications	HVHZ, NFRC, Florida Product Approval







### FWI 1000 SERIES

ALUMINUM SINGLE-HUNG WINDOW



- **Superior Strength:** Heavy duty aluminum alloy featuring 6063-T6
- Durability: 31/4" frame depth
- Optional Heat stregtned glass available
- Maximize prevention of air and water penetration:
   Double veined felts
- Uniform external look throughout the building: Uniform construction of all applications ensures windows with different DPs maintain the same external look
- Protection against corrosion and longer life: Stainless steel option available
- Ease-of-operation, install and longer life: Heavy duty adjustable rollers
- Enhanced energy efficiency: Insulated glass option available



SPECIFICATIONS	
Maximum Size	53 1/8" X 78"
Maximum Design Pressure	+120/-150 PSF
Glass	Insulated, Insulated Impact
Grid	Grids Between Glass (GBG) or Simulated Divided Light (SDL)
Grid Options	Colonial, Prairie, Perimeter
Frame Depth	3 1/4"
Frame Style	Flange & Flange with optional Slip on fine
Colors	White, Bronze Laminate Exterior/White Interior
Approvals/Certifications	HVHZ, NFRC, Florida Product Approval







## 3000 SERIES ALUMINUM PICTURE WINDOW



- **Superior Strength:** Heavy duty aluminum alloy featuring 6063-T6
- Durability: 31/4" frame depth
- Optional Heat stregtned glass available
- Maximize prevention of air and water penetration:
   Double veined felts
- Uniform external look throughout the building: Uniform construction of all applications ensures windows with different DPs maintain the same external look
- Protection against corrosion and longer life: Stainless steel option available
- Ease-of-operation, install and longer life: Heavy duty adjustable rollers
- Enhanced energy efficiency: Insulated glass option available



Maximum Size 48" X 120"  Maximum Design Pressure +95/-100 PSF  Glass Insulated, Insulated Impact  Grid Grids Between Glass (GBG) or Simulated Divided Light (SDL)  Grid Options Colonial, Prairie, Perimeter  Frame Depth 3 ¼"  Frame Style Flange & Flange with optional Slip on fine  Colors White, Bronze Laminate Exterior/White Interior	SPECIFICATIONS		
Glass Insulated, Insulated Impact  Grid Grids Between Glass (GBG) or Simulated Divided Light (SDL)  Grid Options Colonial, Prairie, Perimeter  Frame Depth 3 1/4"  Frame Style Flange & Flange with optional Slip on fine  Colors White, Bronze Laminate Exterior/White Interior	Maximum Size	48" X 120"	
Grid Grids Between Glass (GBG) or Simulated Divided Light (SDL)  Grid Options Colonial, Prairie, Perimeter  Frame Depth 3 1/4"  Frame Style Flange & Flange with optional Slip on fine  Colors White, Bronze Laminate Exterior/White Interior	Maximum Design Pressure	+95/-100 PSF	
Grid Options  Colonial, Prairie, Perimeter  Frame Depth  3 1/4"  Frame Style  Flange & Flange with optional Slip on fine  Colors  White, Bronze Laminate Exterior/White Interior	Glass	Insulated, Insulated Impact	
Frame Depth 3 1/4"  Frame Style Flange & Flange with optional Slip on fine  Colors White, Bronze Laminate Exterior/White Interior	Grid	Grids Between Glass (GBG) or Simulated Divided Light (SDL)	
Frame Style Flange & Flange with optional Slip on fine  Colors White, Bronze Laminate Exterior/White Interior	Grid Options	Colonial, Prairie, Perimeter	
Colors White, Bronze Laminate Exterior/White Interior	Frame Depth	3 1/4"	
	Frame Style	Flange & Flange with optional Slip on fine	
. 1/0 1/7 1/7 1/7 1/7 1/7 1/7 1/7 1/7 1/7 1/7	Colors	White, Bronze Laminate Exterior/White Interior	
Approvals/Certifications HVHZ, NFRC, Florida Product Approval	Approvals/Certifications	HVHZ, NFRC, Florida Product Approval	







### **7000 SERIES**ALUMINUM SLIDING PATIO DOOR



#### **FEATURES & BENEFITS:**

- Superior Strength: Heavy duty aluminum alloy featuring 6063-T6
- Added Security: 2-point locking system
- Enhanced water shedding: Weep holes in track
- Smooth Operation: Stainless steel housing with nylon roller
- Reversible interlocks
- Configurations: Bypass, biparting and pocket

#### **STANDARD ITEMS:**

- Dual Mortise Lock w/anti-slam device
- Adjustable dual cams on lock
- Anodized Track Pan w/snap-on cover
- 3 ¾" sill on panel
- Tandem Rollers

#### **EXTRA ITEMS:**

- Stainless Steel Roller
- Colonial grids
- Configurations: 1 panel to 4 panels with or without pockets
- Secondary Lock

SPECIFICATIONS	
Maximum Size	192" X 96"
Maximum Design Pressure	+-/60 PSF
Glass	Insulated, Insulated Impact
Grid	Grids Between Glass (GBG) or Simulated Divided Light (SDL)
Grid Options	Colonial, Prairie, Perimeter
Colors	White, Bronze Laminate Exterior/White Interior
Approvals/Certifications	HVHZ, NFRC, Florida Product Approval





FRAME / TRACK SIZES			
	Head	Jamb	Sill
2D2T no screen	4 1/8"	3 15/16"	4 1/4"
2D2T w/screen	5 3/8"	5 1/4"	4 ½"
3D3T no screen	6 1/8"	6"	6 1/4"
3D3T w/screen	7 1/16"	7 1/4"	7 %16"
4D4T no screen	8 3/16"	8"	8 1/4"
4D4T w/screen	9 ½"	9 5/16"	9 %16"

RISERS FOR TRACK		
Standard	1 15/16"	
Add-on 1"	3"	
Add-on 2"	4"	





### **8100 SERIES**

### ALUMINUM MULTI-TRACK POCKET PATIO DOOR



#### **FEATURES & BENEFITS:**

- Superior Strength: Heavy duty aluminum alloy featuring 6063-T6
- Added Security: 2-point locking system
- Enhanced water shedding: Weep holes in track
- Smooth Operation: Stainless steel housing with nylon roller
- Configurations: Bypass, biparting and pocket
- Available in 90 degree or 135 degree configurations
- 1 panel to 8 panels with or without pockets

#### **STANDARD ITEMS:**

- Dual Mortise Lock w/anti-slam device
- Heat strengthened glass
- Adjustable dual cams on lock
- Anodized Track Pan w/snap-on cover
- Snap-on jamb covers
- 3 ¾" sill on panel
- Tandem Rollers
- Secondary Lock
- Stainless Steel Roller

#### **EXTRA ITEMS:**

- 8" panel sill
- Colonial grids
- Configurations: 1 panel to 4 panels with or without pockets
- Secondary Lock

FRAME / TRACK SIZES			
	Head	Jamb	Sill
2D2T no screen	6 3/8"	6 1/4"	7 1/8"
2D2T w/screen	5 3/16"	5 1/16	5 13/16"
3D3T no screen	5 3/16"	5 1/16"	5 3/16"
3D3T w/screen	8 7/8"	8 5/8"	9 1/2"
4D4T no screen	7 11/16"	7 1/2"	8 3/8"
4D4T w/screen	10 3/16"	9 15/16"	10 13/16"



SPECIFICATIONS	
Maximum Size	240" X 108" : 60" wide × 108" tall panels — up to 4 panels 384"X120":48" wide × 120" tall panels — up to 8 panels
Maximum Design Pressure	+-/100 PSF
Glass	Insulated, Insulated Impact
Grid	Grids Between Glass (GBG) or Simulated Divided Light (SDL)
Grid Options	Colonial, Prairie, Perimeter
Colors	White, Bronze Laminate Exterior/White Interior
Approvals/Certifications	HVHZ, NFRC, Florida Product Approval
Commercial Rating	C100

RISERS FOR TRACK	
Standard	1 3/4"
Add-on 1"	2 3/4"
Add-on 2"	3 15/16"

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# 5000 SERIES ALUMINUM FRENCH PATIO DOOR



#### **FEATURES & BENEFITS:**

- Superior Strength: Heavy duty aluminum alloy featuring 6063-T6
- Added Security: 2-point locking system
- Quiet operation: Double veined felts
- Enhanced energy efficiency: Insulated glass option cuts down on electric consumption

#### STANDARD ITEMS:

- Heavy walled construction
- Heat strengthened glass
- High-quality locking hardware by Interlock
- High mil rubber weather stripping used for a tighter seal
- ADA sill for low clearance (lower design pressure)

#### **EXTRA ITEMS:**

- Stainless Steel Components
- 1½" Sill Riser (for higher design pressure)
- Possible 8" Bottom Rail for modern design features
- Sidelight version that installs directly into your home





SPECIFICATIONS	
Maximum Size	Double Doors: 75" x 97 1/16" overall frame Single Doors: 39" X 97 1/16" overall frame Add Sidelight 48" x120" overall frame
Maximum Design Pressure	+-/100 PSF
Glass	Insulated, Insulated Impact
Grid	Grids Between Glass (GBG) or Simulated Divided Light (SDL)
Grid Options	Colonial, Prairie, Perimeter
Colors	White, Bronze Laminate Exterior/White Interior
Approvals/Certifications	HVHZ, NFRC, Florida Product Approval
Frame Depth	4 3/4"