

# SLIDING GLASS DOOR SYSTEMS

SERIES SI8000



**SOLAR INNOVATIONS®**  
WINDOWS & DOORS

Effortlessly open up your space to the outdoors.

Series SI8000 Aluminum Sliding Glass Door Systems expand the view of any living space or commercial area. These systems can be used as external entryways or transitions between two interior spaces. Motorization options, pocketing possibilities, countless custom configurations, and expansive panel sizes make our Sliding Glass Doors a flexible design element that complements any space.

## FEATURES

### PANELS

- Standard finishes:
  - AAMA 2603: Bronze, White
  - AAMA 611 Class I Anodized: Clear, Dark Bronze
- Weather tight jamb interlock provides outstanding air and water performance
- Non-thermal frame available if desired for certain applications
- LEED friendly system including recycled content
- Designed and manufactured in the U.S.A.

### HARDWARE

- Custom manufactured operable hardware
- Multiple hardware styles and finishes
- Stainless steel rollers with precision bearings
  - 3" rollers for minimum panel width of 30"
  - 1<sup>13</sup>/<sub>16</sub>" rollers for minimul panel width of 20"
  - Smaller panels may be available upon engineering approval

## OPTIONS

- Designer finishes
  - AAMA 2603: Hartford Green, Black, Natural Clay, Sandstone
- Custom finishes
  - Powder coat finish: AAMA 2604 - 2605
  - Fluoropolymer (50% or 70%): AAMA 2604 - 2605
  - Wood veneer, metal cladding, and foiling options
  - Dual color or dual finish options
- Motorized panels and screens possible, with wireless remote, keypad, motion sensor, or infrared sensor controls
- No post 90 degree corners possible
- Pocketing options: single or double sided
- Insect screen options: sliding, retractable
- Multiple sill designs, including high performance sill
- Factory installed sill drain tubes, if required
- Decorative interior and exterior low profile grids
- Designed to accommodate almost any glazing infill including panels, glass, acrylic, and polycarbonate

# SLIDING GLASS DOOR SYSTEMS

## HARDWARE



### A: Handles

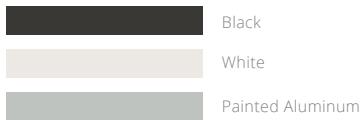
#### Standard Handle

Ergonomic



Interior

Exterior



Black

White

Painted Aluminum

#### Standard Recessed Handle

Recessed Flush Lock

Locking Option



Interior

No Lock Option



Interior      Exterior



Black

Satin Nickel

#### Pocket Door Hardware

Edge Pull



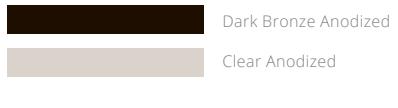
Pocket Doors Only  
Available in Clear Anodized Only

#### Coastal Recessed Handle

Recessed Thumb Turn



Interior      Exterior



Dark Bronze Anodized

Clear Anodized

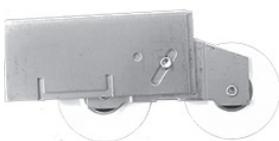
Additional handle styles, colors, and back plate options available upon request. Non-standard handle options may increase lead times and/or cost.

**Please Note:** All hardware is subject to vendor availability. Custom finishes may be available upon request at additional lead time and/or cost. Solar Innovations® reserves the right to discontinue any hardware option at any time. Please be sure to visit our website for additional product information: [www.solarinnovations.com](http://www.solarinnovations.com)

# Rollers



1 13/16" Stainless Steel Wheels Roller  
WITH STAINLESS STEEL PRECISION BEARINGS  
G2 ONLY



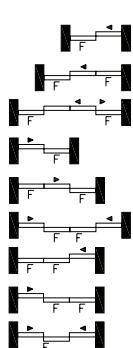
3" Nylon Wheels Roller  
WITH STAINLESS STEEL  
PRECISION BEARINGS



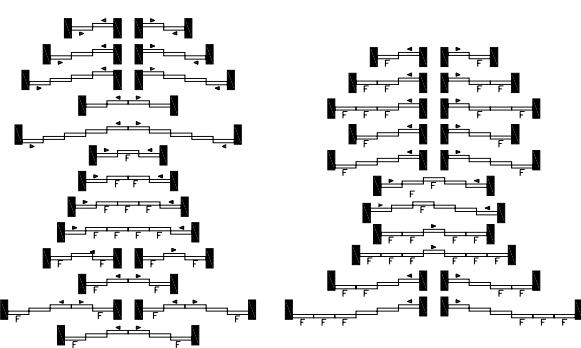
3" Stainless Steel Wheels Roller  
WITH STAINLESS STEEL  
PRECISION BEARINGS

## CONFIGURATIONS

### Dual Track

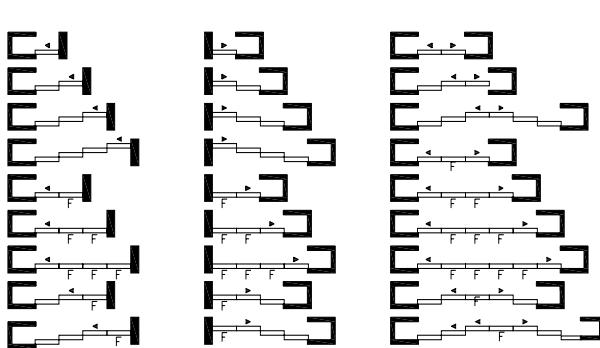


### Multi-Track



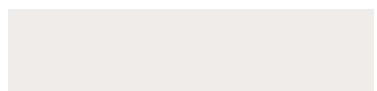
Additional configurations are available.

### Multi-Track Pockets



## FINISH OPTIONS

### Stock Finishes



SI White



SI Bronze



Class I Clear Anodized



Dark Bronze Anodized

### Designer Finishes



SI Black



SI Sandstone



SI Natural Clay



SI Hartford Green

### Metal Cladding



Copper



Lead Coated  
Copper



304 Stainless Steel  
#4 Satin Cladding



304 Stainless Steel  
#8 Mirror Cladding

### Faux Wood Finishes



Acacia 1001  
DS 716 Textured  
DS 402 Smooth



Acacia 1001  
DS 733 Textured  
DS 403 Smooth



Douglas Fir 1501  
DS 716 Textured  
DS 402 Smooth



Cherry 1402  
DS 716 Textured  
DS 402 Smooth



Knotty Pine 2103  
DS 716 Textured  
DS 402 Smooth



Cherry 1402  
DS 733 Textured  
DS 403 Smooth



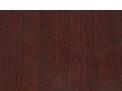
Oak Assi 2501  
DS 733 Textured  
DS 403 Smooth



Dark Walnut  
1802  
DS 733 Textured  
DS 403 Smooth



Teak 2601  
DS 706 Textured  
Mahogany Finish



National  
Walnut 1806  
DS 706 Textured  
Mahogany Finish

### Wood Veneering (Unfinished)



White Oak



Birch



Mahogany



Southern  
Yellow Pine



Northern  
White Pine



Red Oak



Spanish Cedar



Western  
Red Cedar



Douglas Fir



White Maple

Please Note: Depending upon color selection, additional charges and increased lead times may apply. Color illustrations are shown as accurate as standard photography and printing processes allow. Final finish selection should be made from a physical sample; please contact Solar Innovations® to receive samples. All product and finish options are subject to vendor availability. Solar Innovations® reserves the right to discontinue any option at any time without notice. Additional options, including custom color match, are available; contact Solar Innovations® for details.

# G2 SLIDING GLASS DOORS



## G2 System

The G2 Multi-Track Sliding Glass Door System is a thermally enhanced door ideal for any commercial or residential entryway. The frame uses a thermal strut system that separates the interior metal from the exterior metal. By including this thermal break, the temperature transfer between the outdoors and indoors is limited.

## G2 Impact System

The G2 Impact Multi-Track Sliding Glass Door System is a thermally enhanced, high performance hurricane impact rated door. With all of the options of the G2 System, this option is simply for conditions that require a high performance fenestration system.

### Florida Impact Performance Test #110-10818-2

PANEL SIZE	NUMBER OF PANELS	DESIGN PRESSURE	CERTIFICATION	AIR AT 1.57 PSF	WATER	GLASS SELECTION
60.5" H x 96" W	Unlimited	± 65 PSF	FL 16028.2	0.14 CFM/FT <sup>2</sup>	12.0 PSF Based on Water Column	Monolithic 7/16" HS (3/16 over .016-.090 SGP Inner Layer) Insulated 1 1/16" HS (3/16 Tempered over 7/16 HS .090 SGP Inner Layer)

Testing and performance results may vary depending upon sill, size, and hardware selections. Please be sure to visit our website or contact your Solar Innovations® representative for additional product information.

## Panels

- Minimum panel size: 20" wide; smaller panels may be available upon engineering approval
- Impact panel size up to 5' x 8'; non-impact panel size up to 5' x 10'; larger panel options may be available depending on application
- Motorized panels available

## Glazing

- Designed to accommodate almost any monolithic, insulated, laminated, decorative, polycarbonate, or solid panel infill from 3/16" to 1"

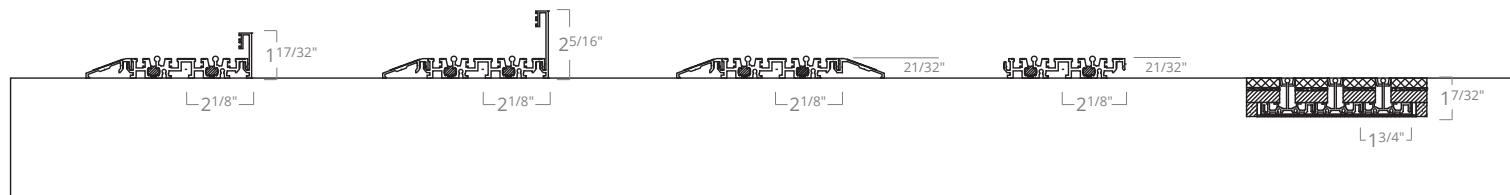
### G2 STC Rated System Acoustical Testing

TEST REPORT	GLAZING THICKNESS	GLAZING MAKEUP	STC	OITC
F3159.01	1"	1/4" Annealed Exterior, 1/2" Air Space, 1/4" Laminated Interior, Glass Temperature 75°F	33	29

## Performance

- Water performance up to 12psf, depending on sill choice, configuration, and water column
- Higher design pressure ratings available with engineering approval
- Test results available upon request

## Sill Options



High Performance Thermal Sill

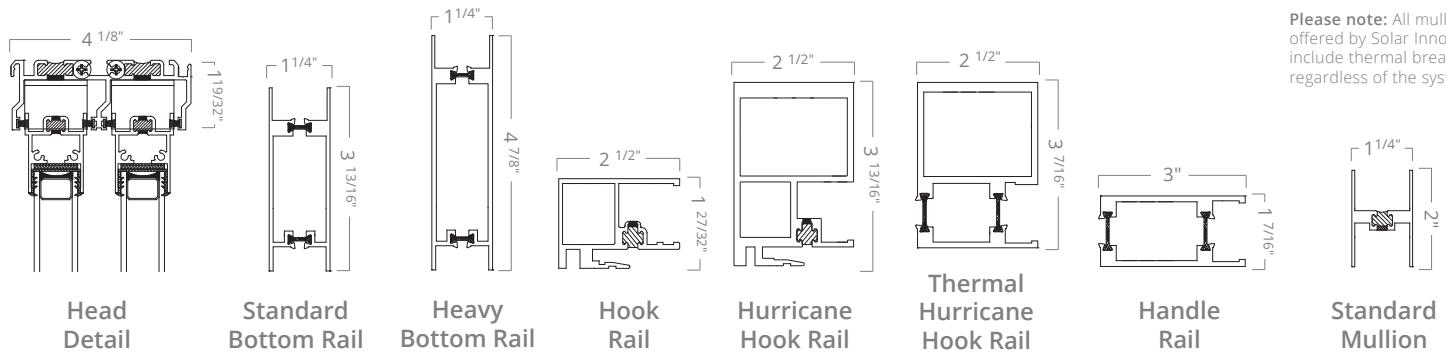
Extra High Performance Thermal Sill

Low Profile Thermal Sill with Ramps

Low Profile Thermal Sill

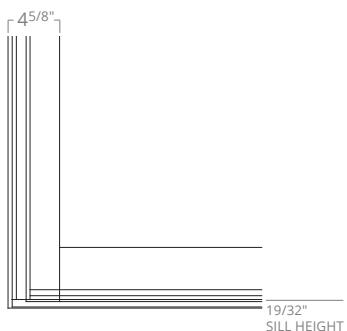
Non-Thermal Tile Sill

## Vertical & Horizontal Rail Options

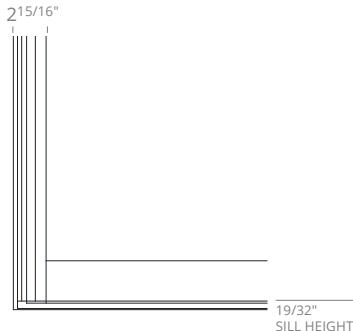


## Jamb Details

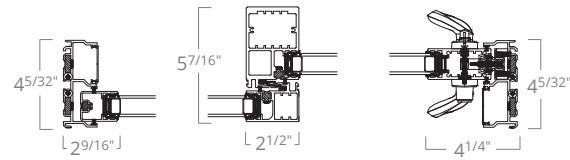
Standard Handle Jamb



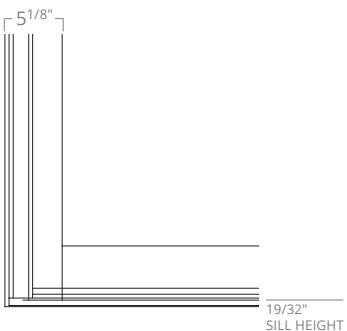
Standard Flush Jamb



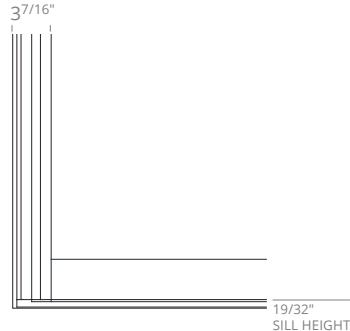
Hurricane Hook Rail / Standard Jambs



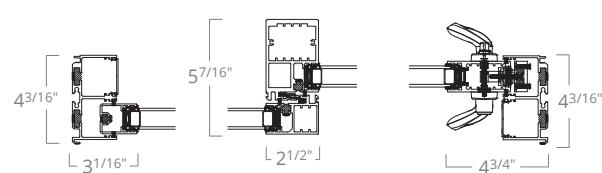
High Deflection Handle Jamb



High Deflection Flush Jamb



Hurricane Hook Rail / High Deflection Jambs



Options dependent upon desired size and engineering requirements.

# G3 SLIDING GLASS DOORS



## G3 System

The G3 Multi-Track Sliding Glass Door System is a thermally enhanced door ideal for any commercial or residential entryway. The frame uses a thermal strut system that separates the interior metal from the exterior metal. By including this thermal break, the temperature transfer between the outdoors and indoors is limited.

## G3 Impact System

The G3 Impact Multi-Track Sliding Glass Door System is a thermally enhanced, high performance hurricane impact rated door. With all of the options of the G3 System, this option is simply for conditions that require a high performance fenestration system.

G3 System Air & Structure Impact Testing						
PANEL SIZE	AIR INFILTRATION AT 1.57 PSF (25MPH)	WATER PENETRATION	DESIGN PRESSURE	UNIFORM LOAD STRUCTURAL TEST	OVERLOAD	IMPACT & CYCLING
115" H x 60" W	0.10 CFM/FT <sup>2</sup>	7.52 PSF HP Sill 10.56 PSF Extra HP Sill	+50 / -70 PSF HP Sill ± 70 PSF Extra HP Sill	± 70 PSF	± 105 PSF	± 70 PSF

Testing and performance results may vary depending upon sill, size, and hardware selections. Please be sure to visit our website or contact your Solar Innovations® representative for additional product information.

## Panels

- Minimum panel width: 30"; smaller panels may be available upon engineering approval
- Panel size up to 3' x 14'; larger panel options may be available depending on application
- Motorized panels available

## Glazing

- Designed to accommodate almost any monolithic, insulated, laminated, decorative, polycarbonate, or solid panel infill from 1 1/4" to 1 3/8"

## Performance

- Water performance up to 15psf, depending on sill choice and configuration
- Structural tested up to a design pressure of 100psf
- Higher water and structural performance available with engineering approval

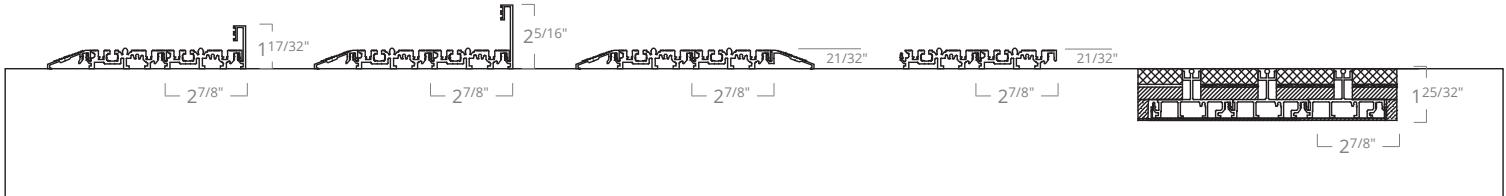
## G3 STC Rated System

The G3 STC Rated Multi-Track Sliding Glass Door System is ideal for any application that has sound transmission class (STC) requirements. Though acoustic values are typically specific to the glazing selection, the construction of the frame can greatly influence the acoustical performance. The G3 STC Rated System combines enhanced acoustical performance, superior thermal performance, and outstanding functionality.

PLEASE NOTE: Any variation in configuration, sill, or size from tested standards will need to be tested to confirm STC rating.

G3 STC Rated System Acoustical Testing				
TEST REPORT	GLAZING THICKNESS	GLAZING MAKEUP	STC	OITC
C2184.01-113-11	1 3/8"	1/4" Laminated over 3/4" Air Space over 3/8" Laminated	42	36

## Sill Options



High Performance Thermal Sill

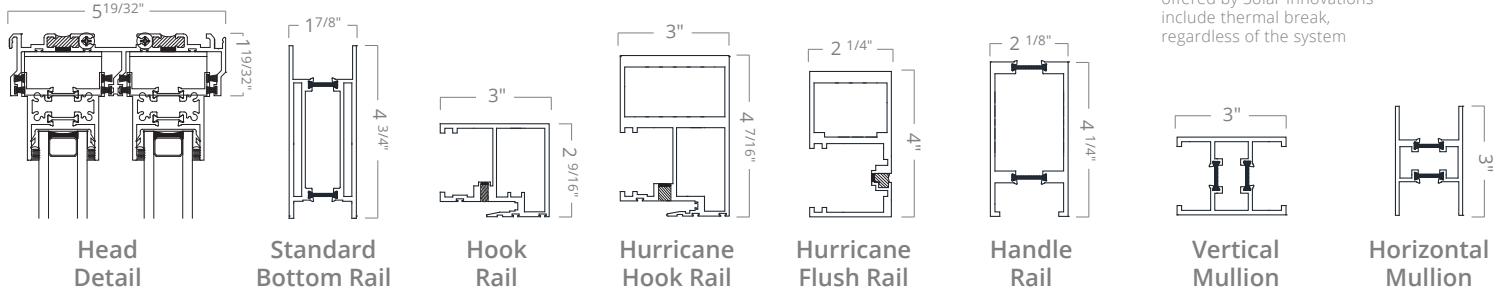
Extra High Performance Thermal Sill

Low Profile Thermal Sill with Ramps

Low Profile Thermal Sill

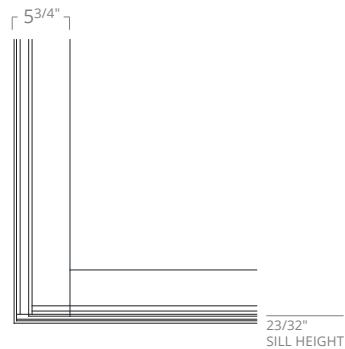
Non-Thermal Tile Sill

## Vertical & Horizontal Rail Options

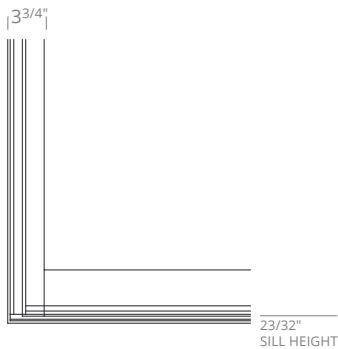


## Jamb Details

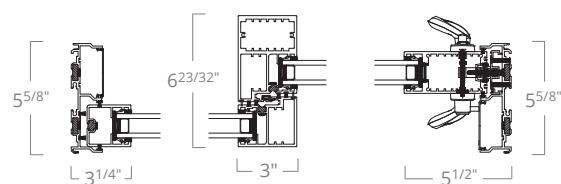
Standard Handle Jamb



Standard Flush Jamb



Hurricane Hook Rail / Standard Jambs



Options dependent upon desired size and engineering requirements.



### Learn More

To find out more about the features and options of our Sliding Glass Doors, visit our website at [solarinnovations.com/sliding-doors/](http://solarinnovations.com/sliding-doors/)