

# SERIES SI8600LS

## LIFT-SLIDE DOORS

PRODUCT DATA SHEET



**SOLAR INNOVATIONS®**  
ARCHITECTURAL GLAZING SYSTEMS

### Smooth operation. Superior performance.

Solar Innovations® Lift-Slide Door Systems are a higher performance alternative to our traditional Sliding Glass Doors. With a simple turn of the handle, the panel lifts off the track and glides with ease, allowing the operator to use just a single finger to open or close the doors. Once the panels are in place, turning the handle reveals the door to provide security and superior air, water, and thermal performance. This system can be configured with multiple panels, but unlike Sliding Glass Doors, an additional handle is required for each operable panel.

## FEATURES

### PANELS

- Nearly unlimited number of panels and configurations
- LEED friendly system including recycled content
- Designed and manufactured in the U.S.A.

### PERFORMANCE:

- Thermally enhanced utilizing thermal strut and thermal fill & debridge
- Air, water, structural, thermal, acoustical and impact testing available

### GLAZING:

- Designed to accommodate 1¼" to 1¾" insulated glass units

### HARDWARE

- Multi-point locking hardware
- Multiple hardware styles and finishes
- Multiple sill designs, including high performance sill

## OPTIONS

### FINISHES:

- Standard finishes:
  - AAMA 2603: Black, White, Sandstone, and Bronze
  - AAMA 611 Class I Anodized: Clear, Dark Bronze
- Designer finishes:
  - AAMA 2604: Black, White, Sandstone, Natural Clay, and Bronze
- Custom finishes:
  - Powder coat finish: AAMA 2604, 2605
  - Fluoropolymer (50% or 70%): AAMA 2604, 2605
  - Faux wood

### OPTIONS:

- Matching sidelites
- Screen options: folding, sliding, retractable
- Mullions, decorative muntins, simulated divided lites (SDLs), interior & exterior grids
- No post 90° corners possible
- Pocketing options: single or double sided
- Factory installed sill drain tubes, if required

# HARDWARE

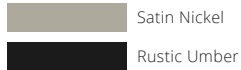


## Handles



Interior

Exterior



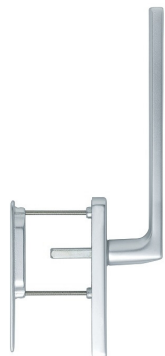
Atlanta



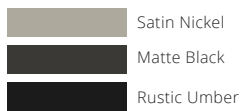
Handle / Finger Grip Option



Finger Grip



Dallas



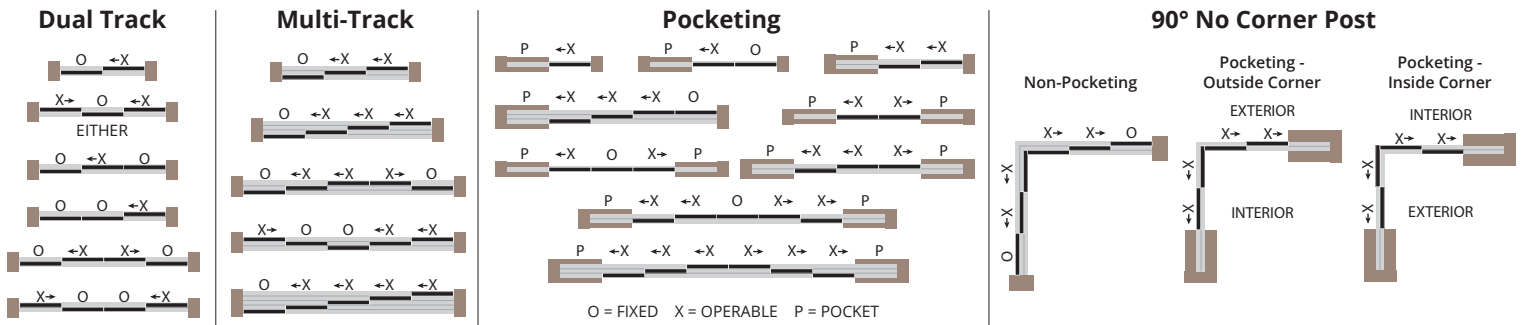
Tokyo



**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)

To find out more about the features and options of our Lift Slide Doors, visit our website at [solarinnovations.com/lift-slides/](http://solarinnovations.com/lift-slides/) or contact one of our sales representatives at 800 618 0669.

# CONFIGURATION EXAMPLES



# TESTING

Air & Structure Impact Testing					
Panel Size	Air Infiltration at 1.57PSF (25 mph)	Air Infiltration at 6.24PSF (50 mph)	Water Penetration	Design Pressure	Impact & Cycling
115" H x 60" W	0.02 CFM/FT²	0.07 w/FT²	12PSF	±70PSF	±70PSF

**Please Note:**  
Testing and performance results may vary depending upon sill, size, and hardware selections.

NFRC Certified U-Values	
Glass Make-Up	
LoE 272/Clear	LoE 366/LoE i89
0.40	0.35

Acoustical Testing			
Test No.	Glazing	STC	OITC
F3157.01-113-11	1¼" IG (¼" Tempered, ¾" Air Space, ¼" Tempered)	32	25

For more testing information visit our website at [solarinnovations.com/information/testing](http://solarinnovations.com/information/testing)

# FINISH OPTIONS

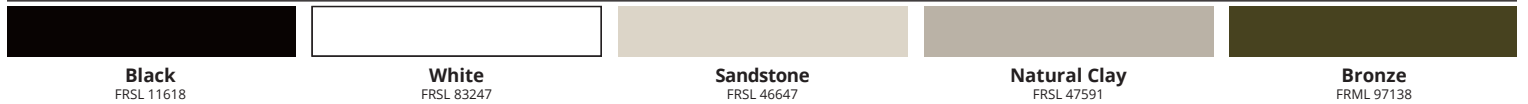
**Paint** AAMA 2603 (5 year warranty). Finishes available while in stock.



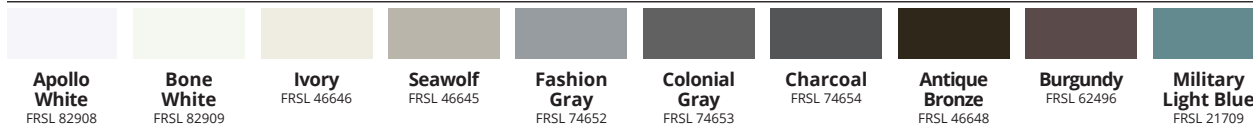
**Anodized** Additional cost



**Powder Coat Solids** STANDARD - AAMA 2605 (10 year; up to 20 year warranty). Scratch & fade resistant; contains no VOCs.\*



**Powder Coat Solids** PREMIUM - AAMA 2605 (10 year; up to 20 year warranty). Scratch & fade resistant; contains no VOCs.\*



**Metal Clad** STANDARD\*



Visit <https://www.ifsc coatings.com/content/assets/Uploads/brochures/IFS-Architectural-Digital-Color-Card.pdf> for additional metallic and anodic finishes.

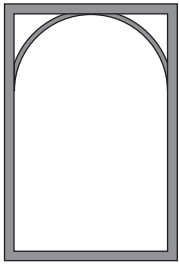
**Decoral Finishes (Powder Coat)\***



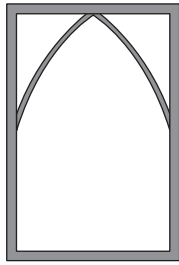
\*Lead times subject to availability.

**Note:** Depending upon color selection, additional charges and increased lead times may apply. Extended warranties and service plans are available for an additional charge. Examples are shown as accurate as photography and printing processes allow. Final finish selection should be made from a physical sample; contact Solar Innovations® for samples. 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.

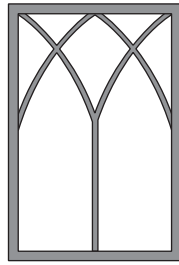
## GRID OPTIONS



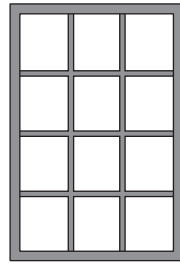
Arched Grid



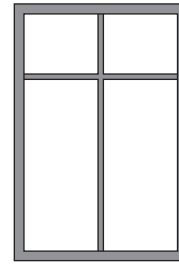
Gothic Grid



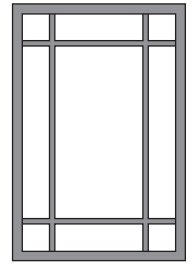
Double Gothic Grid



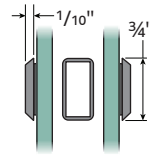
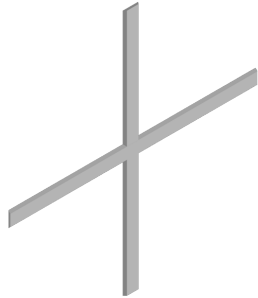
Traditional Grid



Cross Grid



English Grid

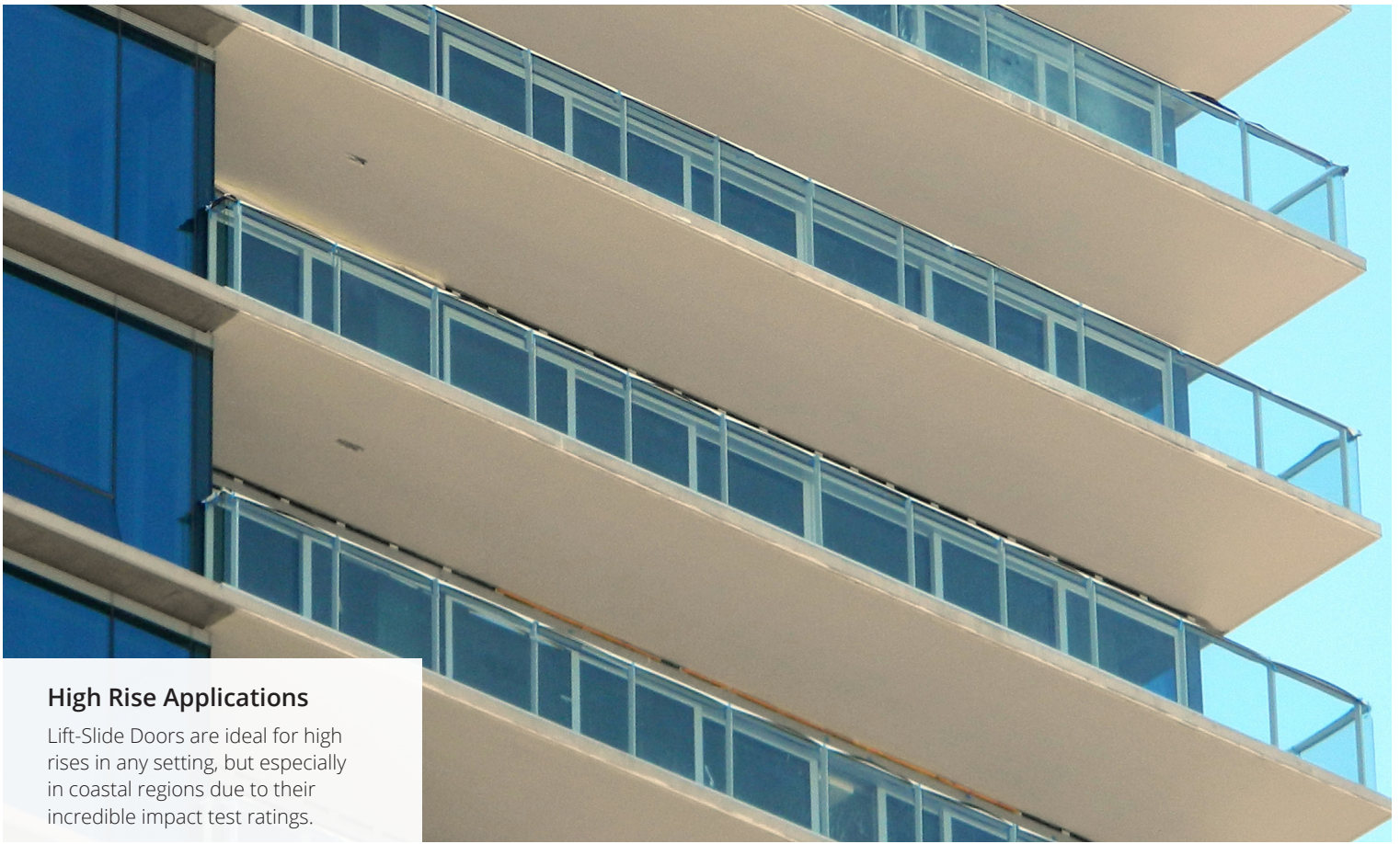


Thin Low Profile with SDL

## GLASS SPECIFICATIONS

	Overall Unit Thickness	U-Value	R-Value	Solar Heat Gain Coefficient	Visible Light Transmission	Reflectance Out	Reflectance In	UV Transmittance
<b>MONOLITHIC</b>								
Clear	¼"	1.02	0.91	0.82	88%	8%	8%	62%
<b>DOUBLE GLAZED Outside Lite/Inside Lite</b>								
Clear/Clear	1"	0.46	2.17	0.78	82%	15%	15%	58%
180/Clear	1"	0.26	3.85	0.64	79%	15%	15%	29%
272/Clear	1"	0.25	4.00	0.41	72%	11%	12%	16%
366/Clear	1"	0.24	4.17	0.27	65%	11%	12%	5%
340/Clear	1"	0.25	4.00	0.18	39%	11%	13%	2%
180/i89	1"	0.21	4.76	0.62	77%	15%	14%	27%
272/i89	1"	0.20	5.00	0.41	70%	11%	11%	16%
366/i89	1"	0.20	5.00	0.27	63%	11%	11%	5%
340/i89	1"	0.20	5.00	0.17	38%	11%	12%	2%
Gray/Clear	1"	0.45	2.22	0.60	57%	9%	13%	32%
Gray/180	1"	0.26	3.85	0.49	53%	9%	14%	17%
Gray/272	1"	0.25	4.00	0.38	50%	8%	9%	10%
Bronze/Clear	1"	0.45	2.22	0.62	61%	10%	13%	31%
Bronze/180	1"	0.26	3.85	0.61	59%	10%	14%	17%
Bronze/272	1"	0.25	4.00	0.39	54%	8%	10%	10%
SolarBan 60/Clear	1"	0.24	-	0.39	70%	11%	12%	20%
SolarBan 70/Clear	1"	0.24	-	0.27	64%	14%	13%	6%
SolarBan 90/Clear	1"	0.24	-	0.23	51%	12%	19%	8%
<b>TRIPLE GLAZED Outside Lite/Middle Lite/Inside Lite</b>								
180/Clear/180	1½"	0.15	6.67	0.56	70%	20%	20%	13%
272/Clear/180	1½"	0.15	6.67	0.37	63%	15%	18%	8%
366/Clear/180	1½"	0.15	6.67	0.25	57%	14%	18%	2%
340/Clear/180	1½"	0.15	6.67	0.16	34%	13%	19%	1%

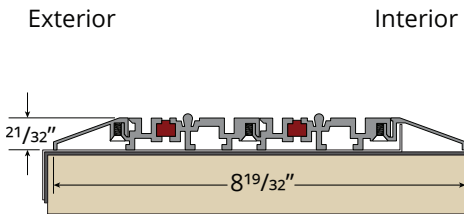
To find out more about the features and options of our Lift-Slide Doors, visit our website at [solarinnovations.com/our-products/aluminum-doors/lift-slide-doors/](http://solarinnovations.com/our-products/aluminum-doors/lift-slide-doors/) or contact one of our sales designers at 800 618 0669.



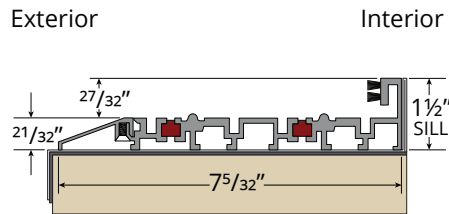
### High Rise Applications

Lift-Slide Doors are ideal for high rises in any setting, but especially in coastal regions due to their incredible impact test ratings.

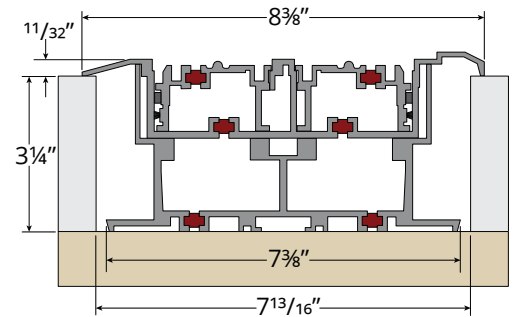
## SILL OPTIONS



**Low Profile Thermal Sill with Ramps**  
Limited/no expected field water performance

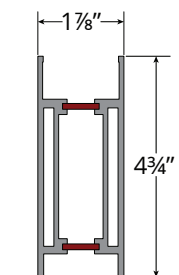


**High Performance Thermal Sill**  
5.3PSF expected field water performance

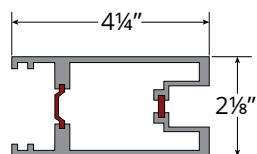


**ADA Thermal Sill**  
12PSF expected field water performance

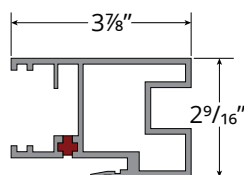
## VERTICAL & HORIZONTAL RAIL OPTIONS



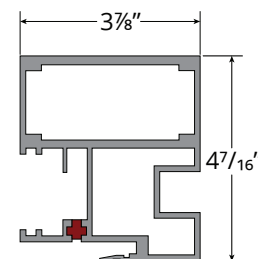
**Bottom Rail**



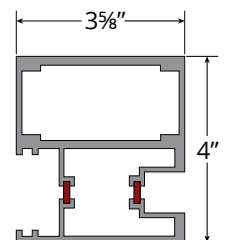
**Handle Rail**



**Hook Rail**

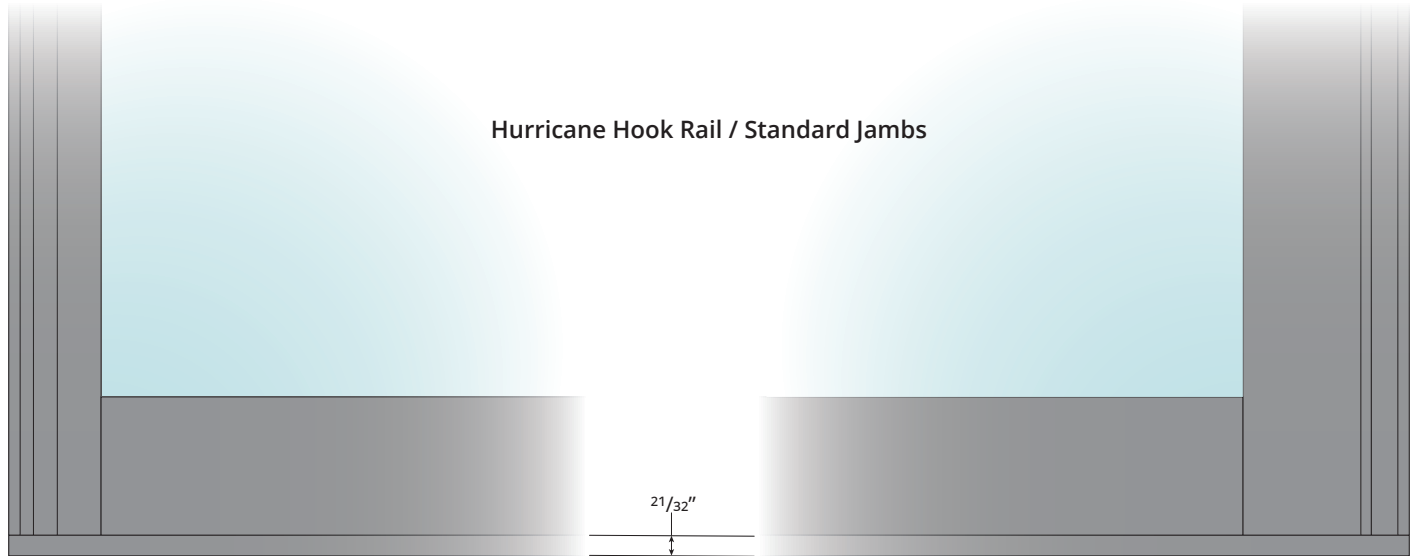
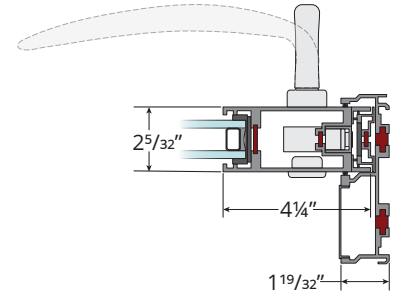
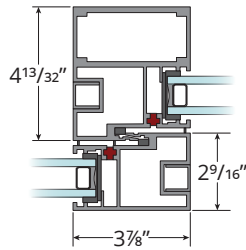
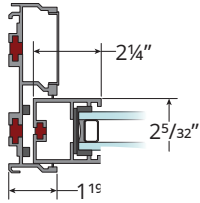


**Hurricane Hook Rail**



**Hurricane Flush Rail**

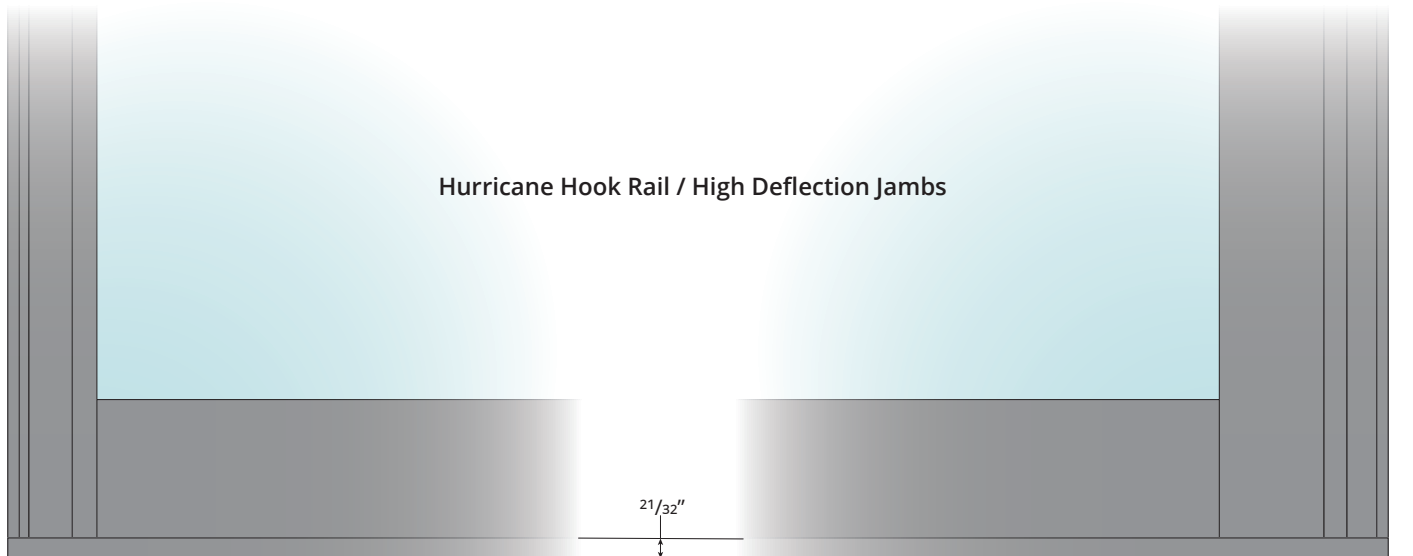
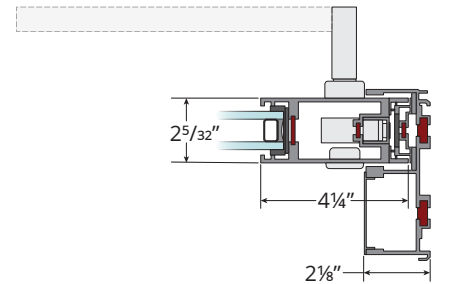
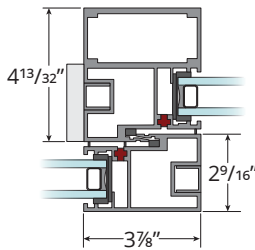
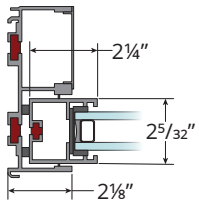
# JAMB DETAILS



Hurricane Hook Rail / Standard Jamb

Flush Jamb

Handle Jamb



Hurricane Hook Rail / High Deflection Jamb

High Deflection Flush Jamb

High Deflection Handle Jamb

Options dependent upon desired size and engineering requirements.