Versatile entrances for any application.

While swing doors may be one of the simplest and most common door systems, they should not be overlooked when designing and planning a residential space. Choose from a large offering of side-hinged swing door options, including terrace, French, and Dutch doors. With numerous custom decorative glazing options, finishes, matching sightlines, and transom options, these swing doors can fit any need. Depending on your preference, the doors can either blend in with the aesthetics of a surrounding structure, act as utilitarian entrances, or they can be the star of the show with the grandeur of a true entry door. Swing doors feature similar panel and hardware design as Solar Innovations® operable walls and structures, creating a consistent appearance throughout any project.

FEATURES

PANELS:
- Terrace, French or Dutch doors
- Inswing or outswing
- LEED friendly system including recycled content
- Designed and manufactured in the U.S.A.

PERFORMANCE:
- Thermally enhanced utilizing thermal strut or thermal fill & debridge
- Test results available upon request

GLAZING:
- Designed to accommodate almost any monolithic, insulated, laminated, decorative, polycarbonate, or solid panel infill from $\frac{3}{16}$" to $\frac{3}{8}$" in thickness

HARDWARE:
- Zero-maintenance semi-concealed corrosion-proof extruded aluminum hinge with stainless steel pin
- Panic hardware, door limiters & door closers
- Multiple hardware styles & finishes
- Multi-point locking hardware for added security

OPTIONS

FINISHES:
- Standard finishes
  - AAMA 2603: Bronze, White
  - AAMA 611 Class I Anodized: Clear, Dark Bronze
- 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, & foiling options
  - Dual color or dual finish options

ACCESSORIES:
- Matching fixed transoms & sidelites
- Multiple sill designs, including ADA compliant ramp
- Factory machined weep slots, if required
- Mullions, decorative muntins, simulated divided lites (SDLs), interior & exterior grids
- Screen options: swinging, folding, sliding, retractable
HARDWARE

A: Handles

STANDARD OPTIONS

Finish Options

- Matte Black
- White
- Satin Nickel*

TORONTO

ALLEGRO

ALUMINUM - INLAND APPLICATIONS

Finish Options

- Black
- White
- Satin Chrome

FRANKFURT

LONDON

BRASS - INLAND APPLICATIONS

- Satin Chrome
- Polished Chrome
- Polished Brass
- Antique Brass
- Dark Bronze
- Pewter
- White
- Black

CAPRI

VENICE

VERONA

RÓDOS

MÜNCHEN

NEW ORLEANS

DALLAS

SOLID BRASS - COASTAL APPLICATIONS*

- Polished Chrome*
- Oil Rubbed Brass
- Brushed Chrome*
- Rustic Umber
- White
- Matte Black
- Satin Nickel*
- Brass*
- Antique Nickel*

*Coastal applications are only available with select finish options.

Additional handle styles, colors, and back plate options available upon request. Non-standard handle options may increase lead times and/or cost. All handles available with thumbturn interior lock with lever exterior, lever interior and exterior, and thumbturn interior lock with keyed exterior options.
**C: Hinges**

- Semi-Concealed Hinge
- Surface Mount Hinge

**D: Locks**

- Two Point Locking Handle
- Two Point Keyed Lock
- Thumbturn Lock
- Standard Flush Bolt

**Closer, Catch, & Limiter**

- D Series 7414 Door Closer
- D Series TS93 Door Closer
- C Series PR82 Door Closer
- D Series BTS80 Floor Closer
- R Series H28S Floor Closer
- Adjustable Door Catch
- Door Limiter

Door Closer Finishes: Aluminum Painted, Bronze, Black

Adjustable Door Catch & Door Limiter Finishes: Clear Anodized, Dark Bronze Anodized, White Painted, and Bronze Painted.

**Commercial Panic Hardware Options**

- Exterior Entry Trim
- Mortise Panic
- Push/Pull
- Push Only
- Wire Pulls

Concealed vertical rod available on commercial panic hardware.

**Passive Hardware Sets**

- Square Commercial
- Toronto

**CONFIGURATIONS**

- **Terrace Door**
  - w/ sidelite
  - w/ sidelites
  - w/ sidelites & transom

- **French Door**
  - w/ sidelites
  - w/ sidelites
  - w/ transom
  - w/ sidelite & transom
  - w/ sidelites & transom

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)
### FINISH OPTIONS

**Stock Finishes**

- SI White
- SI Bronze
- Class I Clear Anodized*
- Dark Bronze Anodized*
- SI Black
- SI Sandstone
- SI Natural Clay
- SI Hartford Green
- Copper
- Lead Coated Copper
- 304 Stainless Steel #4 Satin Cladding
- 304 Stainless Steel #8 Mirror Cladding

**Designer Finishes**

- SI White
- SI Bronze
- Class I Clear Anodized*
- Dark Bronze Anodized*
- SI Black
- SI Sandstone
- SI Natural Clay
- SI Hartford Green
- Copper
- Lead Coated Copper
- 304 Stainless Steel #4 Satin Cladding
- 304 Stainless Steel #8 Mirror Cladding

**Metal Cladding**

- SI White
- SI Bronze
- Class I Clear Anodized*
- Dark Bronze Anodized*
- SI Black
- SI Sandstone
- SI Natural Clay
- SI Hartford Green
- Copper
- Lead Coated Copper
- 304 Stainless Steel #4 Satin Cladding
- 304 Stainless Steel #8 Mirror Cladding

**Powder Coating Solids**

- Bone White
- Fashion Gray
- Colonial Gray
- Military Light Blue
- Burgundy
- Charcoal
- Champagne
- Cosmic Gray
- Light Bronze
- Copper

**Powder Coating Metallics**

- Bone White
- Fashion Gray
- Colonial Gray
- Military Light Blue
- Burgundy
- Charcoal
- Champagne
- Cosmic Gray
- Light Bronze
- Copper

**Faux Wood Finishes**

- Acacia 1001 DS 402 Smooth
- Acacia 1001 DS 403 Smooth
- Douglas Fir 1501 DS 402 Smooth
- Cherry 1402 DS 403 Smooth
- Knotty Pine 2103 DS 402 Smooth
- Cherry 1402 DS 403 Smooth
- Oak Assi 2501 DS 403 Smooth
- Dark Walnut 1802 DS 403 Smooth
- Teak 2601 DS 706 Textured Mahogany Finish
- National Walnut 1806 DS 706 Textured Mahogany Finish

**Wood Veneering (Unfinished)**

- White Oak
- Birch
- Sapele
- Southern Yellow Pine
- Northern White Pine
- Red Oak
- Spanish Cedar
- Western Red Cedar
- Douglas Fir
- White Maple

*Stock anodized finishes are available at an additional cost.

**Please Note:** Depending upon color selection, extra cost and lead times may apply for all finishes other than Solar Innovations® stock standards. 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 matches, are available; contact a Solar Innovations® sales designer for details.

### GRID OPTIONS

**Arched Grid**

**Gothic Grid**

**Double Gothic Grid**

**Traditional Grid**

**Cross Grid**

**English Grid**

**Low Profile Grid with SDL**

**Colonial Grid Detail on Monolithic Glass**

**Interior Muntin Grid Detail on Insulated Glass**

**Ogee Grid with SDL**

**Traditional Grid with SDL**

**1 ¾” Traditional Grid with SDL**

Low profile grids can be used on all systems. Colonial, Ogee, and Traditional grids cannot be used on sliding glass doors, windows, or walls. Please visit www.solarinnovations.com for additional decorative options.
G2 SWING DOORS

G2 Terrace & French Doors

Terrace Doors, or single swing doors, are a single panel opening used in both internal and external applications. The unique mullion capabilities allow modular construction and the seamless integration of transoms and sidelites into designs.

Terrace and French Doors can be either in-swing or out-swing and are acceptable for use in another Solar Innovations® system, another manufacturer’s system, or nearly any rough opening. Both systems include thermal break, limiting the temperature transfer between the outdoors and indoors. Commercial systems can be ADA compliant and equipped with standard push/pull panic, kick panel hardware, and locking mechanisms.

<table>
<thead>
<tr>
<th>G2 Air and Structure Impact Testing</th>
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</thead>
<tbody>
<tr>
<td>PANEL SIZE</td>
</tr>
<tr>
<td>96&quot; H x 36&quot; W</td>
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</tbody>
</table>

*Engineering evaluations required for larger openings

G2 Dutch Doors

Dutch Doors, also known as split doors, barn-style doors, and stable doors, consist of two independent panel doors stacked atop one another. With Dutch-Style Doors, the top panel can be opened while the bottom panel remains closed, making them ideal for childcare facilities or any location with animals. Solar Innovations® Dutch Doors are available in Terrace and French Door configurations and can be designed for either in-swing or out-swing operation.

Solar Innovations® offers three Dutch Door styles:
- All Glass – The all glass option consists of glass infill in both panels, providing maximum sunlight for the room
- Glass and Solid Panel – A glass and full/solid panel door includes glass in the upper panel and a solid lower panel
- Solid Panel – Both panels are completely solid in a full panel Dutch Door

Panels
- Minimum panel size: 24” x 80”; smaller panels considered windows by code but may be available upon engineering approval
- Maximum panel size up to 3½’ x 10”; larger panel options may be available depending on application

Glazing
- Designed to accommodate almost any monolithic, insulated, laminated, decorative, polycarbonate, or solid panel infill from 3/16” to 1⅛”

Performance
- Water performance up to 6.0 psf, depending on sill choice, configuration, and water column
- Structurally tested up to a design pressure of 50 psf
- Test results available upon request
Sill Options

HP Outswing Sill
Outswing Sill
Inswing Sill
ADA Sill

Vertical & Horizontal Rail Options

Mullion Options
(True Divided Lites)

Please note: All mullions offered by Solar Innovations® include thermal break, regardless of the system.

Jamb Details

French Door Meeting Rail Detail

Options dependent upon desired size and engineering requirements.

Learn More

To find out more about the features and options of our Swing Doors, visit our website at solarinnovations.com/terrace-and-french-doors/ or contact one of our sales representatives at 800 618 0669.
G3 Swing Doors

G3 Terrace & French Door

Both the G3 Terrace and French doors create a thermally-enhanced entrance to any home or business. They are ideal for commercial and residential applications where panels will exceed 48” x 96”. The panel frame uses a thermal strut system that separates the interior and exterior metals. By including this thermal break, the temperature transfer between the outdoors and indoors is limited.

Commercial systems can be ADA compliant and equipped with standard push/pull hardware and locking mechanisms. Panic hardware and 10” bottom rail are also available upon request. Residential systems can include any of the commercial options and are also outfitted with multi-point locking hardware.

G3 Impact Terrace Door

The G3 Impact Terrace door is a thermally enhanced door ideal for commercial and residential applications. With all of the options of the G3 System, this option is simply for conditions that require high performance fenestration system.

G3 Dutch Door

Dutch Doors, also known as split doors, barn-style doors, and stable doors, consist of two independent panel doors stacked atop one another. With Dutch-Style Doors, the top panel can be opened while the bottom panel remains closed, making them ideal for childcare facilities or any location with animals. Solar Innovations® Dutch Doors are available in Terrace and French Door configurations and can be designed for either inswing or outswing operation.

Panels

- Minimum panel width: 24” x 80”; smaller panels considered windows by code but may be available upon engineering approval
- Panel size up to 5’ x 15’; larger panel options may be available depending on application

Glazing

- Designed to accommodate almost any monolithic, insulated, laminated, decorative, polycarbonate, or solid panel infill from ¼” to 1½”

Performance

- Water performance up to 6 psf, depending on sill choice and configuration
- Structural tested up to a design pressure of 40 psf
- Higher water and structural performance available with engineering approval

G3 Air and Structure Impact Testing

<table>
<thead>
<tr>
<th>PANEL SIZE</th>
<th>AIR AT 1.6 PSF NEW SILL</th>
<th>AIR AT 1.6 PSF Standard Sill</th>
<th>WATER</th>
<th>DESIGN PRESSURE</th>
<th>STRUCTURAL LOAD</th>
</tr>
</thead>
<tbody>
<tr>
<td>96” H x 36” W</td>
<td>0.09 cfm/ft²</td>
<td>0.05 cfm/ft²</td>
<td>12.0 PSF</td>
<td>± 40 PSF</td>
<td>± 80 PSF</td>
</tr>
</tbody>
</table>

*Engineering evaluations required for larger openings.*
Sill Options

HP Outswing Sill  Outswing Sill  Inswing Sill  ADA Sill

Vertical & Horizontal Rail Options

Standard Thermal  Standard Nonthermal  Narrow Thermal  Stretch Rail  10" Bottom Rail  Head & Sill Detail

Jamb Details

Standard Jamsbs

French Door Meeting Rail Detail

Mullion Options

(Xue Divided Lites)

Please note: All mullions offered by Solar Innovations® include thermal break, regardless of the system

Xtra Narrow Mullion  G3 Terrace Door Mullion  G3 Mullion 275

Options dependent upon desired size and engineering requirements.