



StormForce™
SERIES

StormForce™ Technical Guide

A technical guide to Loewen StormForce window and door details, sizing and specifications.

WE REALIZE THAT EVERY PROJECT BEGINS
FROM AN INNATE DESIRE TO CREATE
SOMETHING GREAT.

Select standard window and door configurations are represented in this Loewen Technical Guide.
Numerous custom opportunities exist. Please contact your Authorized Loewen Dealer.

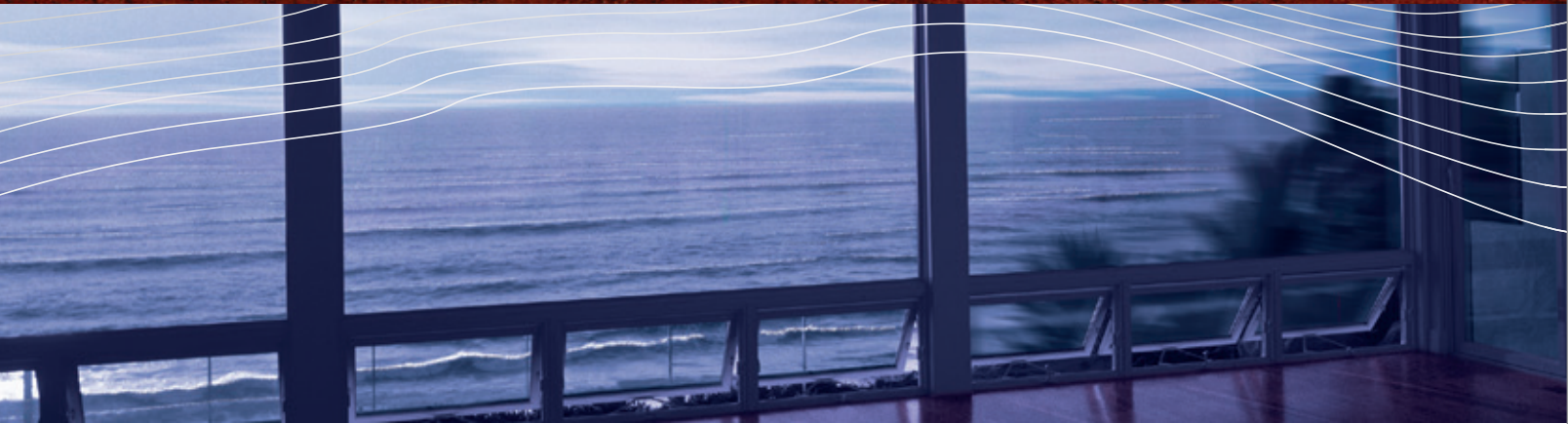
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FRONT COVER: WCI Architecture & Land Planning | Location: Orlando, FL

TABLE OF CONTENTS

INTRODUCTION	
S2	StormForce Series
S4	StormForce Glazing
S6	StormForce Windows
S8	StormForce Doors
CUSTOM OPTIONS	
S11	Paint Finishes & Cladding
S12	Window Hardware
S14	Door Hardware
S16	Simulated Divided Lites & Grilles
SIZE TABLES & DETAIL DRAWINGS	
S18	StormForce Casement Windows
S28	StormForce Awning Windows
S34	StormForce Picture/Direct Set Windows
S38	StormForce Double/Single Hung Windows
S46	StormForce Swinging Terrace & French Terrace Doors
S62	StormForce Sliding Patio Doors & French Patio Doors
S66	StormForce LiftSlide Doors





STORMFORCE SERIES

MAXIMUM PROTECTION FROM COASTAL ENVIRONMENTS

LOEWEN STORMFORCE PRODUCTS take the performance of our standard windows and doors to the extreme, offering you fenestration structurally enhanced to meet - and exceed - International Residential Code, Florida Building Code and other Coastal requirements, including the stringent Dade County certification. Each test is conducted by an independent agency, based on extreme conditions and varying product sizes. Code compliance is a fundamental aspect of Loewen design and engineering.

StormForce is available in Casement, Awning, Picture/Direct Set, Specialty Windows, Double/Single Hung, Patio Doors, Terrace Doors and LiftSlide Doors.

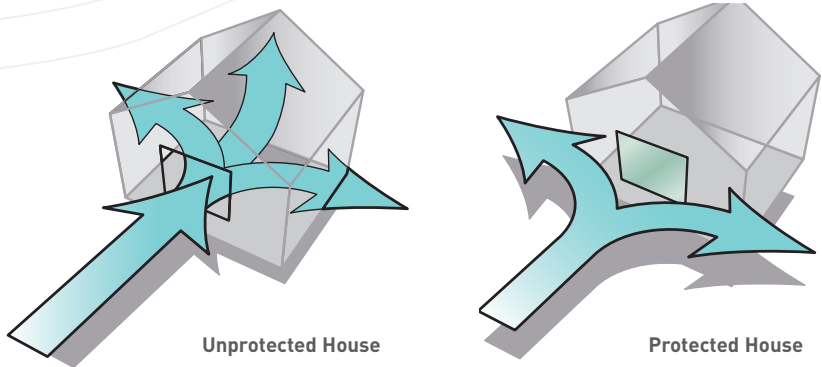
For the best performance, we use Coastal Douglas Fir (Pseudotsuga Menziesii) or Mahogany in our frames and sashes. To enhance our woods’ high natural resistance to moisture absorption, decay and insect infestation, every Loewen wood component is treated with a water repellent/wood preservative sealant before assembly.

These tightly grained woods give our windows a rich, warm texture and they’re also naturally tough and resilient, yet remarkably workable, meaning they are ideal for precision milling and capable of holding the smallest, most intricate detailing.



DOUGLAS FIR DURABILITY						
Douglas Fir outperforms Hemlock & Pine.						
	Specific Gravity (density)	Impact Strength (height of drop causing complete failure)	Compression Strength (parallel to grain)	Compression Strength (perpendicular to grain)	Hardness (load perpendicular to grain)	Resistance to Decay
	Weight Over Volume	Inch	Psi	Psi	lbs	USFS Grade
Douglas Fir	0.48	31.0	7,230	800	710	Moderate
Mahogany	0.42	Untested	6,460	1,500	830	Slight
Western Hemlock	0.45	23.0	7,200	550	540	Slightly to non-resistant
Ponderosa Pine	0.40	19.0	5,320	580	420	Slightly to non-resistant

DOUGLAS FIR FASTENER RETENTION			
This chart shows the force required to remove fasteners.			
	Nail	Screw	Hinge
Douglas Fir	189 lbs	527 lbs	743 lbs
Ponderosa Pine	98 lbs	392 lbs	486 lbs



All the components in a StormForce window or door provide a number of additional benefits: enhanced security, excellent ultraviolet ray protection and increased sound attenuation.

Windborne wreckage can impact homes during windstorms and hurricanes, with gusting, pervasive winds to follow. To protect the integrity and interior of homes, windows and doors must resist penetration and remain in place and intact. Impact designed laminated-glass windows and doors pass windborne debris impact tests, and even when broken, the glass fragments remain integral, adhering to the plastic interlayer, to preserve the building envelope.

With impact products rated up to DP 85, Loewen’s superior design is able to withstand 9,000 cycles of positive and negative wind loading, 105 psf structural loading and the impact of a D-Missile* test.

HIGHLIGHTS:

- Maximum coastal protection - purposely designed to withstand all of nature’s harshest elements - hurricanes, tropical storms, high winds, driving rain, sweltering heat and freezing cold.
- Unseen structural upgrades- no unsightly brackets and/ or locks commonly seen on coastal products.
- Versatile and enhanced styling - Douglas fir wood interior standard with the choice of extruded aluminum cladding.
- Optimal thermal performance - Heat-Smart (Low E) insulated glazing, laminated, and reflective glazing options which provide comfort, shading, and peace of mind.

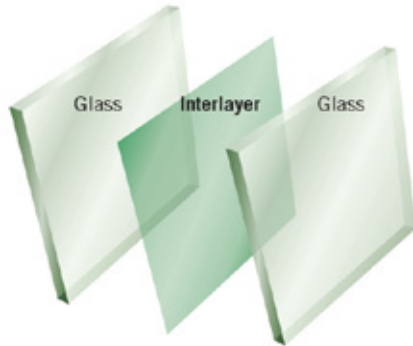
StormForce delivers impact resistance, and superior thermal performance in an insulated glazing configuration with laminated glass products. StormForce frames and IG units are weather proof against all water and air infiltration and the energy efficient design meets specific regional building codes for U-Values in coastal areas from New York to Texas.

***D-Missile certified products are tested to withstand impact from a 9 pound 2 x 4 stud, 8 feet in length, at an impact speed of 50 feet/second. Products are then tested to withstand 9,000 positive and negative wind loading cycles without failure of the building envelope.**

STORMFORCE IMPACT GLAZING

All Loewen StormForce products use industry leading laminated glass produced by bonding a combination of plastic vinyl layers and polyester film between two panes of glass into a single sheet. Laminated glass has the look of ordinary glass but offers a fortification against accidental impact, forced entry, sun damage and noise that far surpasses that of standard glass.

Glazing options on Impact products include PVB and SGP in clear layers. Also available is a LoE³ coating which helps reduce solar heat gain while being virtually invisible.



S4 HEAT-SMART® WINDOW SYSTEMS

Heat-Smart® Window Systems offer varying levels of thermal protection. They also protect furnishings by screening out much of the damaging ultraviolet radiation that causes fading and related damage. The charts on the next page show the comparative performance of each Loewen Window System. Heat-Smart® is a high-performance glazing system that offers great thermal value in a variety of climate zones.



FLORIDA BUILDING CODE

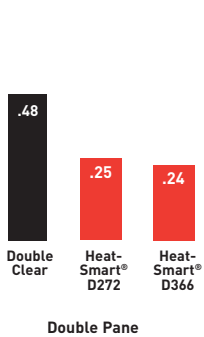
The Florida Building Code is the strictest code in the United States for resistance to wind-borne debris and wind-loading for fenestration products. Many Loewen certified products meet high velocity wind zone 4 standards.



CLEAR DOUBLE COMPARED WITH HEAT-SMART® IMPACT GLASS UNITS

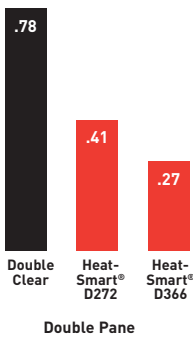
U-VALUE*

This chart illustrates the resistance of heat transfer through the glass. Lower U-Value indicates greater insulating capabilities. U-Value measured at center of glass.



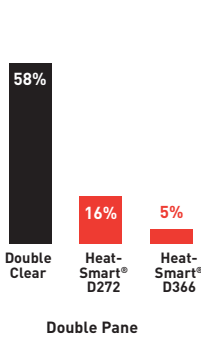
SOLAR HEAT GAIN (SHGC)*

This chart measures the ratio of solar heat gain through a glazing system compared to an unobstructed opening.



UV TRANSMITTANCE*

This chart measures the percentage of ultraviolet radiated wavelengths allowed to be transmitted through the glazing system.



*ASHRAE calculated values Window 5.2 | 1/2" airspace (13 mm) | Does not apply to sealed units with capillary tubes installed

Note: Information in these charts compares the center of glass performance levels of the sealed unit only when manufactured with different glazing options. They are not representative of overall window performance, which depends on many factors including grille options, such as simulated divided lites, grilles between glass, product size and configuration. This information cannot be used to calculate energy performance, to determine resistance to condensation or to develop assumptions about suitability for use or compliance with energy codes. For overall performance of specific windows or doors, refer to "NFRC U-factor and SHGC/VT" information.

Low E COATING OPTIONS

We offer as many glazing configurations and Low E coatings as there are climates so our window performance can be built to provide comfort in any environment.

LoE³ – 366 ULTIMATE PERFORMANCE

- Highest level of year-round comfort for every climate.
- Better insulator (low u-value) and solar heat blockage (low SHGC)
- Three layers of silver (low E cubed 366)

LoE² – 272 ALL-CLIMATE

- Year-round, well balanced performance and comfort
- Better insulator (low u-value) and moderate solar heat blockage
- Two layers of silver (low E squared 272)

LoE³ – 340 ULTIMATE SOLAR CONTROL

- Greatly reduces oppressive solar heat gain & glare
- Best insulator (low u-value) and best solar control (low SHGC)
- Three layers of silver

LoE² – 240 GLARE CONTROL

- Controls glare and blocks oppressive solar heat
- Better insulator (low u-value) and best solar control (low SHGC)
- Two layers of silver

LoE² – 180 PASSIVE SOLAR GAIN

- Ideal for passive solar applications
- Good insulator (low u-value) and high solar heat gain
- One layer of silver



STORMFORCE WINDOWS



For beautiful windows that can protect from environmental hazards and come in all custom sizes and shapes Loewen StormForce is the correct choice. Is year-round, all-season thermal protection a must have? StormForce can also be made with insulating glass and tinted configurations. This will reduce the total window U-factor, protecting against unwanted heat loss during seasons of cooler temperatures.

- Engineered Douglas Fir or Mahogany with the choice of extruded aluminum cladding.

LOEWEN STORMFORCE METAL CLAD IMPACT PRODUCTS															
Product Model	Width (inches)	Height (inches)	DP Ratings (Single Units)	FL #	Dual IG Glazing	Monolithic Glazing	Douglas Fir	Mahogany	Midrail	Options					
										Shapes					
										Rectangular	Cambertop	Half Round	1/4 Round	Full Round	Extended 1/2 Round
															Extended 1/4 Round
															Oval
															Elliptical
Awning (AW)	59.1	30.0	+85/-85	13351	•		•	•		•					
	59.1	36.0	+70/-70	13351	•		•	•		•					
	47.25	47.25	+70/-70	17485	•		•	•		•					
Push-Out•Awning•(PAW)	39.4	32.4	+85/-85	13351	•		•	•		•					
	47.25	39.4	+70/-70	13351	•		•	•		•					
Casement (CA)	29.4	70.9	+85/-85	13104	•	•	•	•		•	•			•	•
	35.4	70.9	+70/-70	13104	•	•	•	•		•	•			•	•
Push-Out Casement (PCA)	29.4	70.9	+85/-85	13104	•	•	•	•		•	•			•	•
	35.4	70.9	+70/-70	13104	•	•	•	•		•	•			•	•
Casement Fixed (CAF)	59.1	94.5	+70/-70	13484	•		•	•		•	•	•	•	•	•
	94.5	59.1	+70/-70	13484	•		•	•		•	•	•	•	•	•
Picture (PS)	59.1	118.1	+85/-85	12497	•		•	•		•		•	•	•	•
	118.1	59.1	+85/-85	12497	•		•	•		•		•	•	•	•
Double Hung 'Liberty' (DH)	37.8	120.0	+55/-55	14692	•		•	•		•					
	45.8	72.0	+55/-65	14692	•		•	•		•					
Single Hung 'Liberty' (SH)	37.8	120.0	+55/-55	14693	•		•	•		•	•			•	
	45.8	72.0	+55/-65	14693	•		•	•		•	•			•	
Double Hung Fixed (DF)	60.0	120.0	+55/-65	14694	•		•	•		•	•	•		•	•
	72.0	100.0	+55/-65	14694	•		•	•		•	•	•		•	•
	100.0	72.0	+55/-65	14694	•		•	•		•	•	•		•	•
	120.0	60.0	+55/-65	14694	•		•	•		•	•	•		•	•
Double Hung Transom (DT)	37.0	120.0	+55/-65	14695	•		•	•		•	•	•		•	•
	66.0	66.0	+55/-65	14695	•		•	•		•	•	•		•	•
	120.0	37.0	+55/-65	14695	•		•	•		•	•	•		•	•

STORMFORCE DOUBLE HUNG WINDOWS

- Loewen Double Hung window has been designed to complement the depth and character of the traditional North American home. We've combined superior strength and durability with maximum coastal protection and innovative efficiency options to deliver a window that not only matches the look of your residence, but also delivers the progressive performance it deserves.
- Innovative balance system allows windows to open and close smoothly.
- Single-handed lock/tilt mechanism allows for inward tilting of the sash for easy cleaning.
- Integrated structural sill block and metal nailing flange allows for enhanced moisture management and maximum protection against water infiltration.
- Thermally broken aluminum sill and glazing options for maximum energy efficiency.
- Heavy meet rail improves performance when struck by a D-Missile
- Interlock system and integral sill block details enhance the structural integrity of the window.
- Flexible bulb weather seal for optimal performance.



STORMFORCE DOORS



LOEWEN STORMFORCE DOOR PANELS combine rugged performance with architectural versatility. Available in Swinging Terrace and French Terrace Doors, Sliding Patio & French Patio Doors and LiftSlide Doors with all the features required for coastal protection with legendary Loewen Douglas Fir or Mahogany construction. StormForce doors equipped with standard multi-point hardware and stainless steel exposed components provide robust security and superior environmental performance.

STORMFORCE TERRACE AND FRENCH TERRACE DOORS

No other hinged door performs in coastal environments like a Loewen Terrace door. Traditional and French. Traditional Terrace Doors hinge on the jamb so that one panel is fixed and the other operates. By contrast, French Terrace Doors are hinged on the outside to allow both doors to operate from the middle. Outswing versions of both styles are available as additional protection options.

Handle-activated stainless steel head and sill shoot bolts are standard with StormForce series. Additional lock points increase structural air/water performance and provide added security.

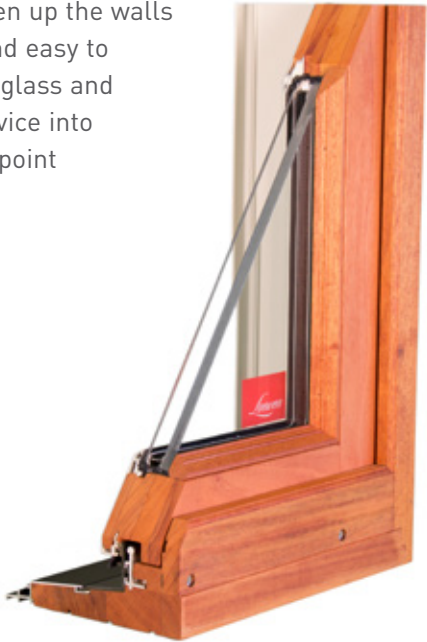
- Insulated sealed unit provides energy efficiency as well as impact resistance.
- Stainless steel support plates on top and bottom panels enhance structural integrity.
- Thick interlayer designed to resist Zone 3 D-Missile impact.
- Utilizes five-point stainless steel locking system, stainless steel strike plates and a sturdy astragal for superior impact performance.
- Tall sill enhances protection against water infiltration.



STORMFORCE SLIDING PATIO DOORS

Functioning like large moving windows, Loewen Sliding Patio doors can open up the walls for larger living space. StormForce doors are weatherproof, safe, secure and easy to operate. Loewen uses laminated sash construction, thick, tempered safety glass and smooth tandem rollers. For added protection, Loewen builds an anti-lift device into every patio door. An optional foot lock is also available, as is manual three-point hardware.

- Anti-lift device.
- Zero clearance required.
- Standard integral sliding screens available.
- Standard multi-point locking hardware & foot lock mechanism.
- 2 1/4" thick sliding panels.
- Silicone-treated, woven pile and foam-filled Q-lon weatherstripping system.



LOEWEN STORMFORCE METAL CLAD IMPACT PRODUCTS																	
Product Model	Width (inches)	Height (inches)	DP Ratings (Single Units)	FL #	Dual IG Glazing	Monolithic Glazing	Douglas Fir	Mahogany	Midrail	Options							
										Shapes							
										Rectangular	Cambertop	Half Round	1/4 Round	Full Round	Extended 1/2 Round	Extended 1/4 Round	Oval
Sliding Patio (WP2)	94.5	94.5	+70/-70	12531	•		•	•		•							
Sliding French Patio (FP2)	94.5	106.3	+43/-43	13103	•		•	•		•							
	72.5	106.3	+55/-55	13103	•	•	•	•		•							
Terrace Outswing (TD1)	37.9	111.4	+70/-70	14369	•	•	•	•	•	•	•						
	43.9	99.4	+70/-70	14369	•	•	•	•	•	•	•						
Terrace Outswing (TD2) Hinged on jamb side	75.1	111.4	+70/-70	14369	•	•	•	•	•	•	•						
Terrace Fixed Outswing (TDF)	43.9	111.4	+70/-70	14369	•	•	•	•	•	•	•						
Terrace Inswing (TD1)	36.4	96.0	+55/-65	17221	•		•	•		•							
French Terrace Outswing (FD2)	75.1	111.4	+70/-70	14369	•	•	•	•	•	•	•						
	87.1	99.4	+70/-70	14369	•	•	•	•	•	•	•	•	•				
French Terrace Outswing (FD2) 1/2 Round	75.1	111.4	+50/-50	14369	•	•	•	•	•	•	•						
French Terrace Inswing (FD2)	72.0	96.0	+55/-65	17221	•		•	•		•							
Terrace Transom (TDT1 or TDT2) 10' included	94.5	48.0	+70/-70	14370	•	•	•	•		•	•				•		
French Terrace Transom (FDT2) 10' included	94.5	48.0	+70/-70	14370	•	•	•	•		•	•				•	•	
10' Terrace Outswing (TD1)	37.9	123.4	+60/-60	14367	•	•	•	•		•							
10' Terrace Outswing (TD2) Hinged on jamb side.	75.0	123.4	+60/-60	14367	•	•	•	•		•							
10' French Terrace Outswing (FD2)	75.0	123.4	+60/-60	14367	•	•	•	•		•							
LiftSlide (per panel)	42.0	139.6	+70/-70	13353	•	•	•	•		•							
LiftSlide (per panel)	60.0	139.6	+50/-50	13353	•	•	•	•		•							

STORMFORCE LIFTSLIDE DOORS

The Loewen LiftSlide allows expansive glass panels to roll smoothly and easily during operation. With the touch of a hand, the LiftSlide mechanism rotates down to seal against water infiltration. LiftSlide Doors can be located in areas of extreme exposure where homeowners want a coastline, mountain or lakefront vistas with minimal sightline interference.

With the high structural integrity and performance of LiftSlide doors, only raised threshold is available in StormForce.

For superior water protection an additional sill riser is available.

LIFTSLIDE RAILS AND STILES are comprised of two various constructions; all aluminum, and an aluminum/wood hybrid. Opening panels are equipped with 3G corrosion resistant stainless steel wheel assemblies with flat deformation resistant wheels and precision bearings. Aircraft grade aluminum extrusions with VG Douglas Fir Interior (Mahogany option available).

- Aluminum Corrosion resistant track with integral drains.
- Robust hardware handles a maximum weight of 850 lbs per panel maximum panel size with laminate glass is 60" (1524 mm) wide or 139 9/16" (3545 mm) tall and 50 square feet of glass.



PAINT FINISHES & EXTERIOR CLADDING

PERFORMANCE & LONGEVITY

Loewen's history of manufacturing testing and field testing has selected the most robust exterior protection, shielding the window and door finishes against weathering, pollution and aging in harsh environmental conditions. Pre-finished thick extruded aluminum cladding retains its shape, resists denting and lasts longer than roll-formed aluminum.



Our pre-finished aluminum cladding, SDL bars and brickmold casing perform at their best in unsympathetic surroundings. Offering the longest life-cycle and true sustainability, a multi-stage coating system includes a chrome conversion pretreatment, an intermediate primer coat, and AAMA-2605 70% fluoropolymer (PVDF polyvinylidene fluoride) resin-based top coat is applied to all aluminum casing. This ensures a beautiful finish that will last for decades when cared for properly.

The paint coating meets the American Architectural Manufacturers Association 2605 specification of a 30-microns or 1.2 mil total film thickness. When the formula of the paint coating dictates, a clear coat is applied over the paint top-coat. This protective layer shields the flake in metallic coatings and increases protection against ultra violet (UV) degradation of highly chromatic and exotic colors.

- Withstands serious impact without sustaining damage.
- Cladding is set away from the underlying wood, creating an air space that improves thermal performance.
- Provides the malleability necessary to clad the many sizes and shapes we offer.
- Colorfast, corrosion resistant, resists fading and resists chalking.



Loewen metal clad products carry a 20 year warranty covering paint, glass and wood components.

Visit [loewen.com/warranty](https://www.loewen.com/warranty) for complete details.

AAMA-2605 paint coatings specification requires paint coatings to meet rigorous testing performance standards including 4,000 hours of salt spray in accordance with the new ASTM G85, Annex 5 test and 4,000 hours heat and humidity-resistance.



WINDOW HARDWARE

SELECTING A STYLE AND FINISH that reflects your unique taste is a critical part of creating the right look.

But choosing hardware involves more than just appearance — function and operation are essential, which is why Loewen offers a wide range of handles, locking systems and other hardware choices — from the most traditional to the most contemporary. Hardware must also offer intelligent design and flexibility. This is why Loewen provides designs such as the foldaway handle, useful when drapes or blinds fit tight against a window or when access space is limited.



Hannover Casement and Awning Handle and Cover
(Oil Rubbed Bronze)



Provence Casement and Awning Handle and Cover
(Oil Rubbed Bronze)



Double/Single Hung Sash Lift
(Oil Rubbed Bronze)



Double/Single Hung Sash Lock
(Antique Brass)



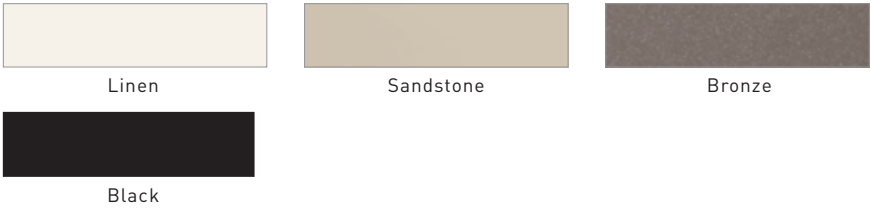
Push Out Casement/Awning Locking Handle
(Antique Brass)



Push Out Casement/Awning Screen Knob
(Brushed Chrome)

Loewen offers a selection of beautiful window hardware finishes, depending on the hardware item.

STANDARD WINDOW HARDWARE FINISHES



OPTIONAL WINDOW HARDWARE FINISHES



Note: Colors may not be exactly as shown.



Concealed Multi-point lock handle, standard for Roto Gear Casements and Awnings. Shown here in Satin Nickel.

LEGEND: ● Standard ○ Optional

WINDOW HARDWARE FINISH OPTIONS					
	Casement	Push Out Casement	Awning	Push Out Awning	Double Hung
Linen	●	●	●	●	●
Sandstone	●	●	●	●	●
Bronze	●	●	●	●	●
Black	●	●	●	●	●
Oil Rubbed Bronze	○	○	○	○	○
Antique Brass	○	○	○	○	○
Bright Brass	○	○	○	○	○
Brushed Chrome	○	○	○	○	○
Satin Nickel	○	○	○	○	○
Rustic Bronze		○		○	

DOOR HARDWARE



LOEWEN DOORS are available with a wide range of hardware options. We constantly review our hardware selection and new options are regularly added. Consult your Authorized Loewen Dealer for the most current information.

TERRACE DOOR AND BIFOLD HANDLE SETS



Meran Handle
(Black)



Verona Handle
(Polished Brass)



Rodos Handle
(Antique Brass)



Athinia Handle
(Satin Nickel)



Churchill Handle
(Rustic Bronze)



Shropshire Handle
(Rustic Bronze)

PATIO DOOR MULTI-POINT HANDLE SETS



Botticelli Handle
(Oil Rubbed Bronze)



Fontana Handle
(PVD Bronze)



Churchill Handle
(Rustic Bronze)



Volo Handle
(PVD Satin Nickel)



Mercury Handle
(PVD Satin Nickel)

LIFTSLIDE DOOR HANDLE SETS



Interior Flush Handle
(Silicone Bronze Dark)



Marcos Handle
(Satin Nickel)

Resista finishes are available on the Verona, Meran and Rodos handle. This is an extremely durable finish that is suitable for harsh environments such as coastal locations. Resista finishes include: Polished Brass Resista, Satin Nickel Resista, and Brushed Chrome Resista.

Note: Rustic Bronze is available for Churchill and Shropshire handles only.

DOOR HARDWARE FINISHES



Black



Silicone Bronze Dark



Bronze Dark Lustre



Rustic Bronze



Oil Rubbed Bronze



Antique Brass



Faux Bronze



Bronze



Metallic Bronze



Satin Nickel



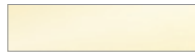
White Bronze Brushed



Polished Brass/
Satin Brass



Polished Brass



Bright Brass



Polished Chrome/
Satin Chrome

LEGEND: ● Standard ○ Optional

TERRACE DOOR HARDWARE FINISH OPTIONS

	Verona & Meran Handle Sets	Shropshire & Churchill Handle Sets	Athinia Handle Set	Rodos Handle Set
Antique Brass (Resista)	●			○
Polished Brass (Resista)	●		○	○
Black	○			○
Brushed Chrome (Resista)	○			○
Oil Rubbed Bronze	○			○
Satin Nickel (Resista)	○		○	○
Rustic Bronze		●		
Polished Chrome/Satin Chrome Split			○	
Polished Brass/Satin Brass Resista Split			○	

PATIO DOOR HARDWARE FINISH OPTIONS

	Botticelli & Fontana Handle Sets	Churchill Handle Set	Mercury Handle Set	Volo Handle Set
Antique Brass	●			
Satin Nickel (PVD)	●		●	●
Oil Rubbed Bronze	●			●
Black	●			●
Bronze (PVD)	●			●
Rustic Bronze		○		

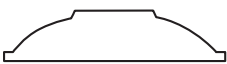
LIFTSLIDE DOOR HARDWARE FINISH OPTIONS

	Marcos Removable Handle Set	Finger Pull	Flush Handle Set	Flush Handle Set Finger Pull
Oil Rubbed Bronze	●	●		
Bright Brass	●	●		
Satin Nickel	●	●		
White Bronze Brushed			○	○
Bronze Dark Lustre			○	○
Silicone Bronze Dark			○	○

SIMULATED DIVIDED LITES & GRILLES

SDL BARS ADD A DISTINCTIVE DESIGN FEATURE to full-size panes of glass. Wood or metal bars securely bonded to the outer surfaces of the sealed glass unit simulate the appearance of traditional true divided lites. Available with straight or radius bars.

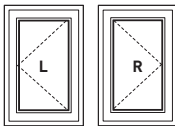
EXTERIOR BAR OPTIONS

	OGEE	PUTTY
CROSS SECTION*		
5/8" [16]		
3/4" [19]		
7/8" [22]		
1 1/8" [30]		
2" [51]		

INTERIOR BAR OPTIONS

	OGEE	PUTTY	SQUARE	DOUBLE HUNG OGEE
CROSS SECTION*				
5/8" [16]				
3/4" [19]				
7/8" [22]				
1 1/8" [30]				
2" [51]				

Additional airspace bars (between the glass) complete a convincing reproduction of a multi-paned window or door. Our spacer bars function among the best in the industry and provide an intriguing aesthetic appearance in stainless steel or black color options. Wide shadow bars fill more of the airspace replicating the look of True Divided Lites. Narrow shadow bars also provide a similar appearance while allowing for improved sealed unit performance.



STORMFORCE CASEMENT
WINDOW SIZES

S18

Rough Opening			WIDTH							
			16 1/2" 419	20 7/16" 519	24 3/8" 619	28 5/16" 719	30 1/4" 769	32 1/4" 819	36 3/16" 919	
			15 3/4" 400	19 11/16" 500	23 5/8" 600	27 9/16" 700	29 1/2" 750	31 1/2" 800	35 7/16" 900	
			Visible Glass							
			9 3/4" 247	13 11/16" 347	17 5/8" 447	21 9/16" 547	23 1/2" 597	25 1/2" 647	29 7/16" 747	
24 3/8" 619	23 5/8" 600	17 3/8" 442	CA1 0406	CA1 0506	CA1 0606	CA1 0706	CA1 7506			
28 5/16" 719	27 9/16" 700	21 5/16" 542	CA1 0407	CA1 0507	CA1 0607	CA1 0707	CA1 7507	CA1 0807		
30 1/4" 769	29 1/2" 750	23 5/16" 592	CA1 0475	CA1 0575	CA1 0675	CA1 0775	CA1 7575	CA1 0875		
32 1/4" 819	31 1/2" 800	25 1/4" 642	CA1 0408	CA1 0508	CA1 0608	CA1 0708	CA1 7508	CA1 0808	CA1 0908	
36 3/16" 919	35 7/16" 900	29 3/16" 742	CA1 0409	CA1 0509	CA1 0609	CA1 0709	CA1 7509	CA1 0809	CA1 0909	
40 1/8" 1019	39 3/8" 1000	33 1/8" 842	CA1 0410	CA1 0510	CA1 0610	CA1 0710	CA1 7510	CA1 0810	CA1 0910	
48" 1219	47 1/4" 1200	41" 1042	CA1 0412	CA1 0512	CA1 0612	CA1 0712	CA1 7512	CA1 0812	CA1 0912	
55 7/8" 1419	55 1/8" 1400	48 7/8" 1242	CA1 0414	CA1 0514	CA1 0614	CA1 0714	CA1 7514	CA1 0814	CA1 0914	
59 13/16" 1519	59 1/16" 1500	52 13/16" 1342	CA1 0415	CA1 0515	CA1 0615	CA1 0715	CA1 7515	CA1 0815	CA1 0915	
63 3/4" 1619	63" 1600	56 3/4" 1442	CA1 0416	CA1 0516	CA1 0616	CA1 0716	CA1 7516	CA1 0816	CA1 0916	
71 5/8" 1819	70 7/8" 1800	64 5/8" 1642	CA1 0418	CA1 0518	CA1 0618	CA1 0718	CA1 7518	CA1 0818	CA1 0918	

GLASS SIZE = VISIBLE GLASS + 7/8" [22 MM]

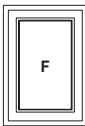
PRODUCT CODE

Standard Sizes Shown. Custom Sizes Available.

- Note:
- SDL/Grille patterns are dependent on SDL/Grille type and window size. Please verify SDL/Grille patterns before confirming your order.
 - Available with sash moulding matching Push Out mouldings.
 - Sizes are shown as Impact IG.

Canadian Egress
US & Canadian Egress

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STORMFORCE FIXED CASEMENT
WINDOW SIZES



Rough Opening			WIDTH									
			16 1/2" 419	20 7/16" 519	24 3/8" 619	28 5/16" 719	30 1/4" 769	32 1/4" 819	36 3/16" 919	40 1/8" 1019		
			15 3/4" 400	19 11/16" 500	23 5/8" 600	27 9/16" 700	29 1/2" 750	31 1/2" 800	35 7/16" 900	39 3/8" 1000		
			Visible Glass									
			9 3/4" 247	13 11/16" 347	17 5/8" 447	21 9/16" 547	23 1/2" 597	25 1/2" 647	29 7/16" 747	33 3/8" 847		
12 9/16" 319	11 13/16" 300	5 9/16" 142	CA1 0403	CA1 0503	CA1 0603	CA1 0703	CA1 7503	CA1 0803	CA1 0903	CA1 1003		
16 1/2" 419	15 3/4" 400	9 1/2" 242	CA1 0404	CA1 0504	CA1 0604	CA1 0704	CA1 7504	CA1 0804	CA1 0904	CA1 1004		
20 7/16" 519	19 11/16" 500	13 7/16" 342	CA1 0405	CA1 0505	CA1 0605	CA1 0705	CA1 7505	CA1 0805	CA1 0905	CA1 1005		
24 3/8" 619	23 5/8" 600	17 3/8" 442	CA1 0406	CA1 0506	CA1 0606	CA1 0706	CA1 7506	CA1 0806	CA1 0906	CA1 1006		
28 5/16" 719	27 9/16" 700	21 5/16" 542	CA1 0407	CA1 0507	CA1 0607	CA1 0707	CA1 7507	CA1 0807	CA1 0907	CA1 1007		
30 1/4" 769	29 1/2" 750	23 5/16" 592	CA1 0475	CA1 0575	CA1 0675	CA1 0775	CA1 7575	CA1 0875	CA1 0975	CA1 1075		
32 1/4" 819	31 1/2" 800	25 1/4" 642	CA1 0408	CA1 0508	CA1 0608	CA1 0708	CA1 7508	CA1 0808	CA1 0908	CA1 1008		
36 3/16" 919	35 7/16" 900	29 3/16" 742	CA1 0409	CA1 0509	CA1 0609	CA1 0709	CA1 7509	CA1 0809	CA1 0909	CA1 1009		
40 1/8" 1019	39 3/8" 1000	33 1/8" 842	CA1 0410	CA1 0510	CA1 0610	CA1 0710	CA1 7510	CA1 0810	CA1 0910	CA1 1010		
48" 1219	47 1/4" 1200	41" 1042	CA1 0412	CA1 0512	CA1 0612	CA1 0712	CA1 7512	CA1 0812	CA1 0912	CA1 1012		
55 7/8" 1419	55 1/8" 1400	48 7/8" 1242	CA1 0414	CA1 0514	CA1 0614	CA1 0714	CA1 7514	CA1 0814	CA1 0914	CA1 1014		
59 13/16" 1519	59 1/16" 1500	52 13/16" 1342	CA1 0415	CA1 0515	CA1 0615	CA1 0715	CA1 7515	CA1 0815	CA1 0915	CA1 1015		
63 3/4" 1619	63" 1600	56 3/4" 1442	CA1 0416	CA1 0516	CA1 0616	CA1 0716	CA1 7516	CA1 0816	CA1 0916	CA1 1016		
71 5/8" 1819	70 7/8" 1800	64 5/8" 1642	CA1 0418	CA1 0518	CA1 0618	CA1 0718	CA1 7518	CA1 0818	CA1 0918	CA1 1018		
83 7/16" 2119	82 11/16" 2100	76 7/16" 1942	CA1 0421	CA1 0521	CA1 0621	CA1 0721	CA1 7521	CA1 0821	CA1 0921	CA1 1021		
95 1/4" 2419	94 1/2" 2400	88 1/4" 2242			CA1 0624	CA1 0724	CA1 7524	CA1 0824	CA1 0924	CA1 1024		

GLASS SIZE = VISIBLE GLASS + 7/8" [22 MM]

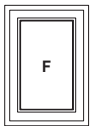
PRODUCT CODE

Standard Sizes Shown. Custom Sizes Available.

- Note:
- SDL/Grille patterns are dependent on SDL/Grille type and window size. Please verify SDL/Grille patterns before confirming your order.
 - Available with sash moulding matching Push Out mouldings.
 - Sizes are shown as Impact IG.

Only available with 10.1 mm lami
Only available with 13.6 mm lami

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STORMFORCE FIXED CASEMENT
WINDOW SIZES (cont.)

S20

Rough Opening			WIDTH							
			48" 1219	55 7/8" 1419	59 13/16" 1519	63 3/4" 1619	71 5/8" 1819	79 1/2" 2019	83 7/16" 2119	95 1/4" 2419
			Frame	47 1/4" 1200	55 1/8" 1400	59 1/16" 1500	63" 1600	70 7/8" 1800	78 3/4" 2000	82 11/16" 2100
		Visible Glass	41 1/4" 1047	49 1/8" 1247	53 1/16" 1347	56 15/16" 1447	64 13/16" 1647	72 11/16" 1847	76 5/8" 1947	88 7/16" 2247
12 9/16" 319	11 13/16" 300	5 9/16" 142	CA1 1203	CA1 1403	CA1 1503	CA1 1603	CA1 1803	CA1 2003		
16 1/2" 419	15 3/4" 400	9 1/2" 242	CA1 1204	CA1 1404	CA1 1504	CA1 1604	CA1 1804	CA1 2004		
20 7/16" 519	19 11/16" 500	13 7/16" 342	CA1 1205	CA1 1405	CA1 1505	CA1 1605	CA1 1805	CA1 2005		
24 3/8" 619	23 5/8" 600	17 3/8" 442	CA1 1206	CA1 1406	CA1 1506	CA1 1606	CA1 1806	CA1 2006	CA1 2106	CA1 2406
28 5/16" 719	27 9/16" 700	21 5/16" 542	CA1 1207	CA1 1407	CA1 1507	CA1 1607	CA1 1807	CA1 2007	CA1 2107	CA1 2407
30 1/4" 769	29 1/2" 750	23 5/16" 592	CA1 1275	CA1 1475	CA1 1575	CA1 1675	CA1 1875	CA1 2075	CA1 2175	CA1 2475
32 1/4" 819	31 1/2" 800	25 1/4" 642	CA1 1208	CA1 1408	CA1 1508	CA1 1608	CA1 1808	CA1 2008	CA1 2108	CA1 2408
36 3/16" 919	35 7/16" 900	29 3/16" 742	CA1 1209	CA1 1409	CA1 1509	CA1 1609	CA1 1809	CA1 2009	CA1 2109	CA1 2409
40 1/8" 1019	39 3/8" 1000	33 1/8" 842	CA1 1210	CA1 1410	CA1 1510	CA1 1610	CA1 1810	CA1 2010	CA1 2110	CA1 2410
48" 1219	47 1/4" 1200	41" 1042	CA1 1212	CA1 1412	CA1 1512	CA1 1612	CA1 1812	CA1 2012	CA1 2112	CA1 2412
55 7/8" 1419	55 1/8" 1400	48 7/8" 1242	CA1 1214	CA1 1414	CA1 1514	CA1 1614	CA1 1814	CA1 2014	CA1 2114	CA1 2414
59 13/16" 1519	59 1/16" 1500	52 13/16" 1342	CA1 1215	CA1 1415	CA1 1515	CA1 1615	CA1 1815	CA1 2015	CA1 2115	CA1 2415
63 3/4" 1619	63" 1600	56 3/4" 1442	CA1 1216	CA1 1416	CA1 1516					
71 5/8" 1819	70 7/8" 1800	64 5/8" 1642	CA1 1218	CA1 1418	CA1 1518					
83 7/16" 2119	82 11/16" 2100	76 7/16" 1942	CA1 1221	CA1 1421	CA1 1521					
95 1/4" 2419	94 1/2" 2400	88 1/4" 2242	CA1 1224	CA1 1424	CA1 1524					

HEIGHT

PRODUCT CODE

GLASS SIZE = VISIBLE GLASS + 7/8" [22 MM]

PRODUCT CODE

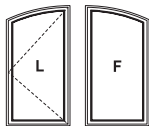
Standard Sizes Shown. Custom Sizes Available.

- Note:
- SDL/Grille patterns are dependent on SDL/Grille type and window size. Please verify SDL/Grille patterns before confirming your order.
 - Available with sash moulding matching Push Out mouldings.
 - Sizes are shown as Impact IG.

Only available with 10.1 mm lami

Only available with 13.6 mm lami

Information is subject to change without notice. | CAD Download: www.loewen.com/architect | Installation Instructions: www.loewen.com



STORMFORCE CAMBERTOP CASEMENT
WINDOW SIZES



Rough Opening	WIDTH								
	Frame	Visible Glass	16 1/2" 419	20 7/16" 519	24 3/8" 619	28 5/16" 719	30 1/4" 769	32 1/4" 819	36 3/16" 919
28 5/16" 719	27 9/16" 700	21 3/16" 538	CTC1 0407	CTC1 0507	CTC1 0607	CTC1 0707			
			CTC1 0475	CTC1 0575	CTC1 0675	CTC1 0775	CTC1 7575		
			CTC1 0408	CTC1 0508	CTC1 0608	CTC1 0708	CTC1 7508	CTC1 0808	
30 1/4" 769	29 1/2" 750	23 5/8" 588	CTC1 0409	CTC1 0509	CTC1 0609	CTC1 0709	CTC1 7509	CTC1 0809	CTC1 0909
32 1/4" 819	31 1/2" 800	25 1/8" 638	CTC1 0410	CTC1 0510	CTC1 0610	CTC1 0710	CTC1 7510	CTC1 0810	CTC1 0910
36 3/16" 919	35 7/16" 900	29 1/16" 738	CTC1 0412	CTC1 0512	CTC1 0612	CTC1 0712	CTC1 7512	CTC1 0812	CTC1 0912
40 1/8" 1019	39 3/8" 1000	33" 838	CTC1 0414	CTC1 0514	CTC1 0614	CTC1 0714	CTC1 7514	CTC1 0814	CTC1 0914
48" 1219	47 1/4" 1200	40 7/8" 1038	CTC1 0415	CTC1 0515	CTC1 0615	CTC1 0715	CTC1 7515	CTC1 0815	CTC1 0915
55 7/8" 1419	55 1/8" 1400	48 3/4" 1238	CTC1 0416	CTC1 0516	CTC1 0616	CTC1 0716	CTC1 7516	CTC1 0816	CTC1 0916
59 13/16" 1519	59 1/16" 1500	52 11/16" 1338	CA1 0418	CTC1 0518	CTC1 0618	CTC1 0718	CTC1 7518	CTC1 0818	CTC1 0918
63 3/4" 1619	63" 1600	56 5/8" 1438							
71 5/8" 1819	70 7/8" 1800	64 1/2" 1638							

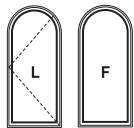
GLASS SIZE = VISIBLE GLASS + 7/8" [22 MM]

PRODUCT CODE

Standard Sizes Shown. Custom Sizes Available.

- Note:
- SDL/Grille patterns are dependent on SDL/Grille type and window size. Please verify SDL/Grille patterns before confirming your order.
 - Available with sash moulding matching Push Out mouldings.
 - Sizes are shown as Impact IG.

Information is subject to change without notice. | CAD Download: www.loewen.com/architect | Installation Instructions: www.loewen.com



STORMFORCE CASEMENT HALF ROUND WINDOW SIZES

Rough Opening		WIDTH					
		24 3/8"	28 5/16"	30 1/4"	32 1/4"	36 3/16"	
		619	719	769	819	919	
Frame		23 5/8"	27 9/16"	29 1/2"	31 1/2"	35 7/16"	
		600	700	750	800	900	
Visible Glass		17 5/8"	21 9/16"	23 1/2"	25 1/2"	29 7/16"	
		447	547	597	647	747	
HEIGHT	40 1/8"	39 3/8"	33 1/8"	CA1	CA1		
	1019	1000	842	0610	0710		
	48"	47 1/4"	41"	CA1	CA1		
	1219	1200	1042	0612	0712		
	55 7/8"	55 1/8"	48 7/8"	CA1	CA1		
	1419	1400	1242	0614	0714		
	59 13/16"	59 1/16"	52 13/16"	CA1	CA1		
	1519	1500	1342	0615	0715		
	63 3/4"	63"	56 3/4"	CA1	CA1		
	1619	1600	1442	0616	0716		
	71 5/8"	70 7/8"	64 5/8"	CA1	CA1		
	1819	1800	1642	0618	0718		
		PRODUCT CODE					

GLASS SIZE = VISIBLE GLASS + 7/8" (22 MM)

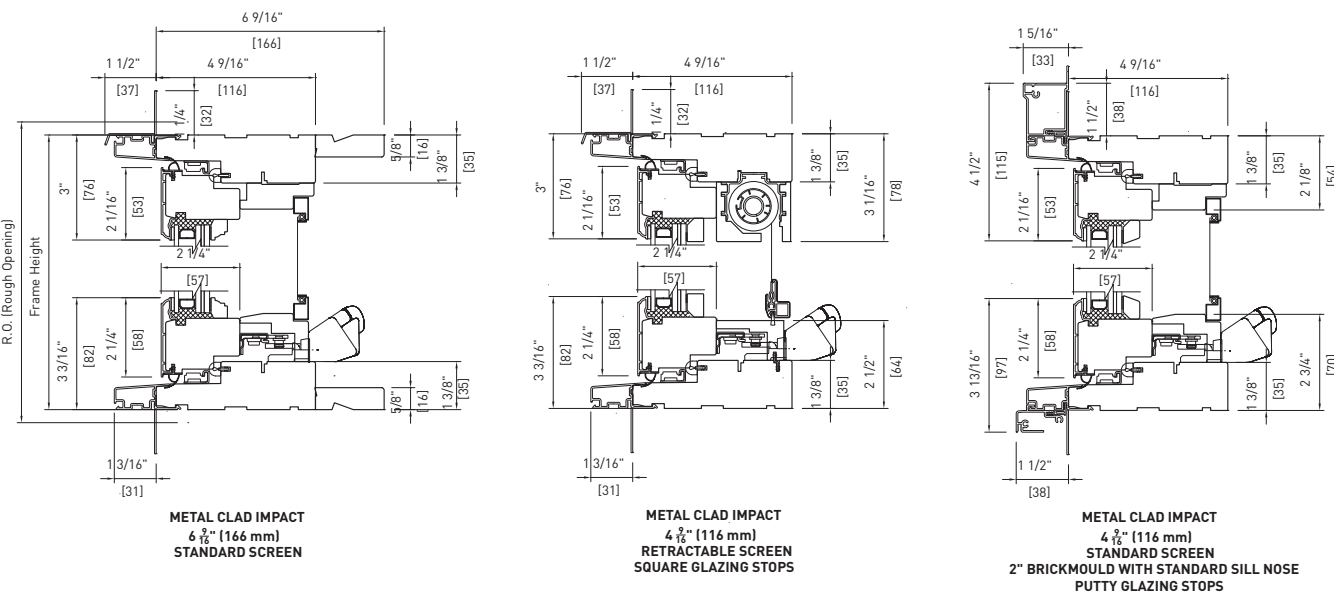
Standard Sizes Shown. Custom Sizes Available.

- Note:
- SDL/Grille patterns are dependent on SDL/Grille type and window size. Please verify SDL/Grille patterns before confirming your order.
 - Available with Push Out mouldings.
 - Sizes are shown as Impact IG.

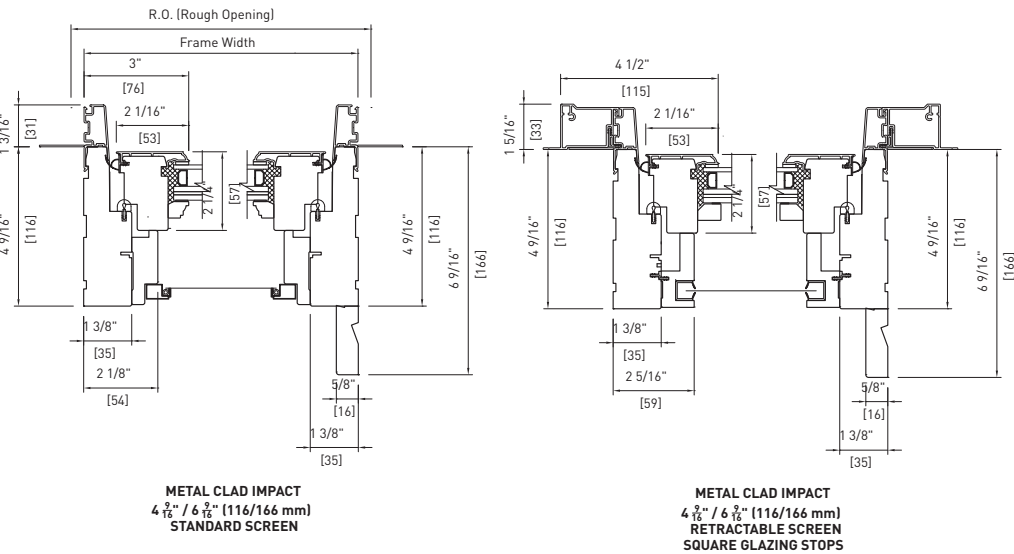
Information is subject to change without notice. | CAD Download: www.loewen.com/architect | Installation Instructions: www.loewen.com

STORMFORCE CASEMENT WINDOW DETAIL

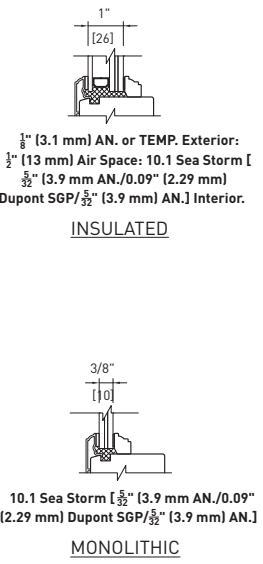
HEAD & SILL DETAIL



PLAN VIEW



GLAZING DETAIL

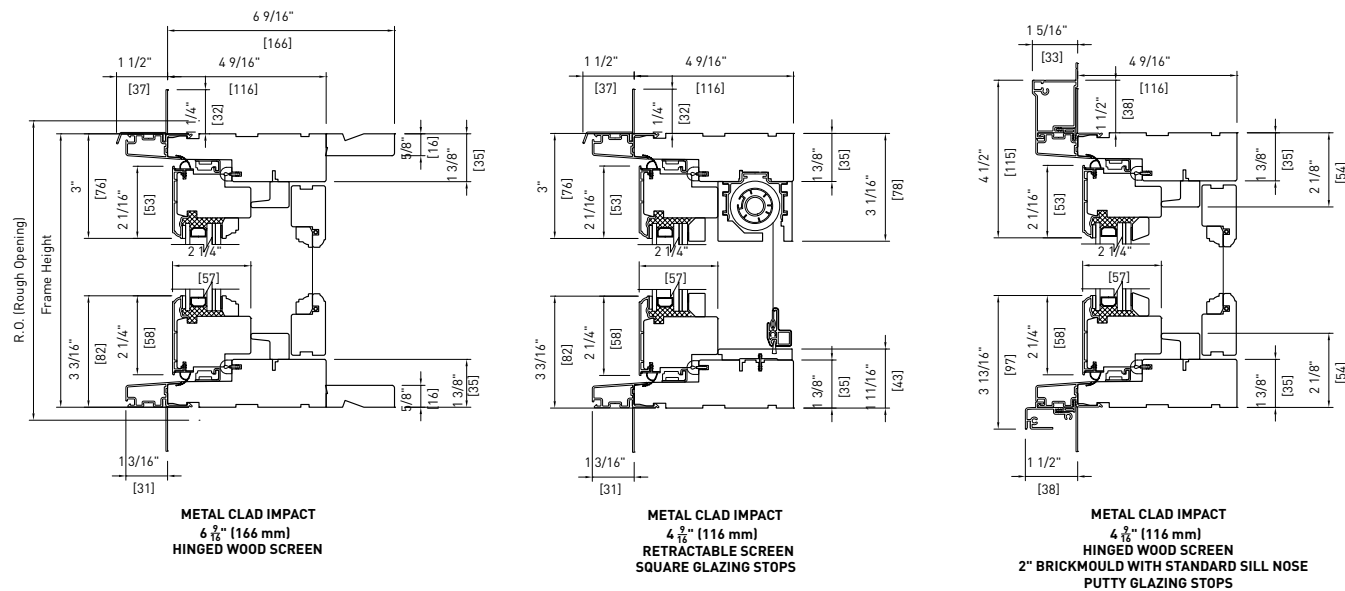


- Note:
- Other jamb widths available.
 - All dimensions to have +/- 1/16" (2 mm) tolerance.

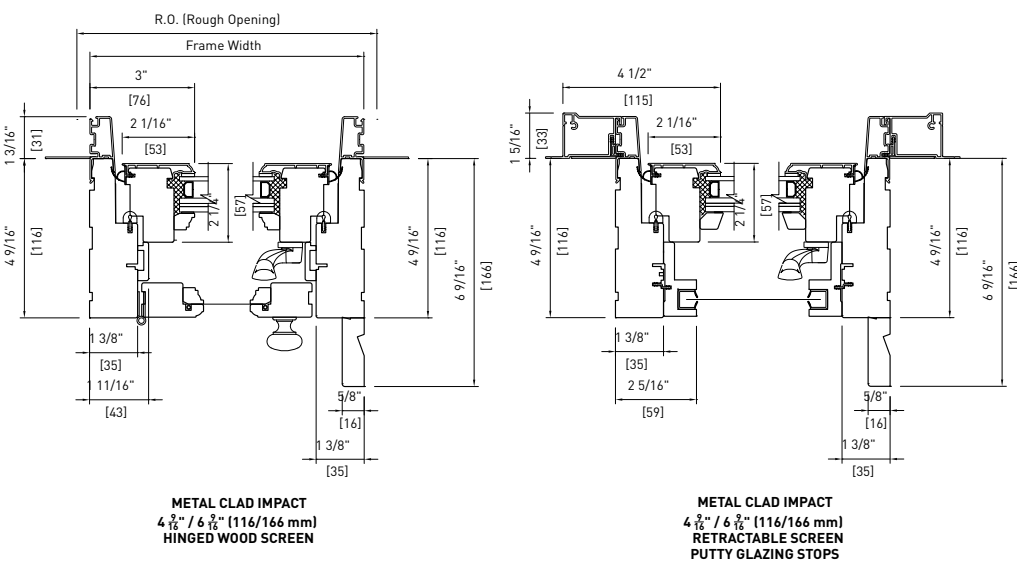
Information is subject to change without notice. | CAD Download: www.loewen.com/architect | Installation Instructions: www.loewen.com

STORMFORCE PUSHOUT CASEMENT WINDOW
DETAIL

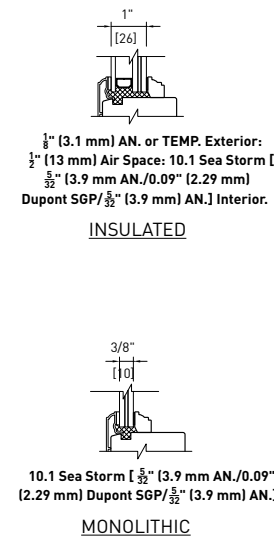
HEAD & SILL DETAIL



PLAN VIEW



GLAZING DETAIL

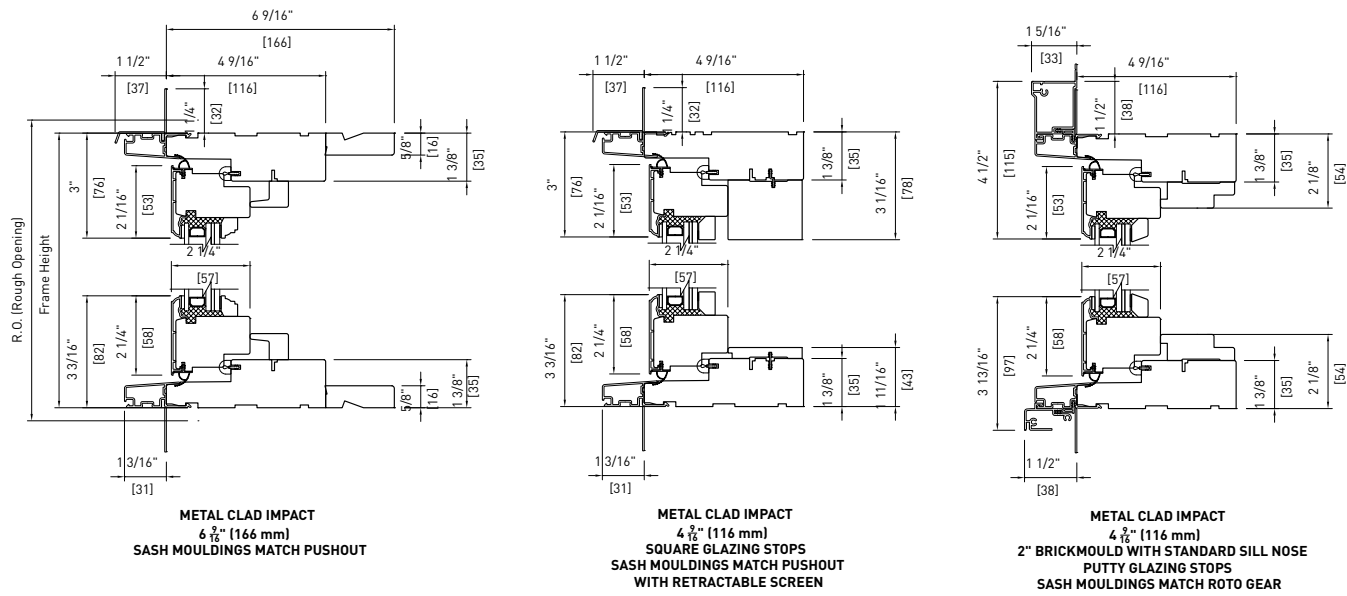


Note: • Other jamb widths available.
• All dimensions to have +/- 1/16" [2 mm] tolerance.

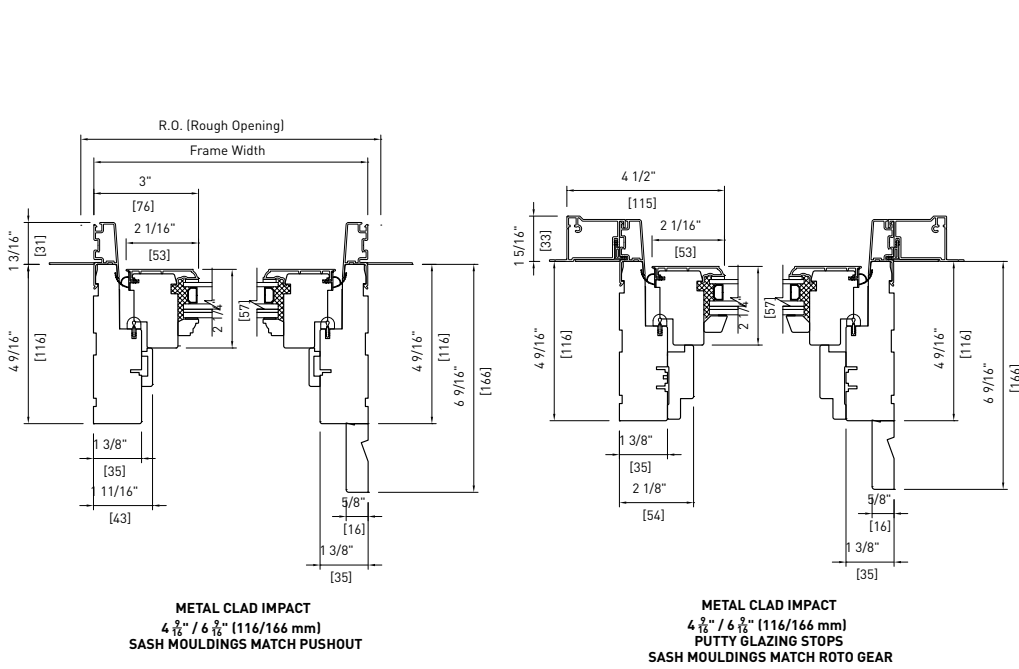
Information is subject to change without notice. | CAD Download: www.loewen.com/architect | Installation Instructions: www.loewen.com

STORMFORCE FIXED CASEMENT WINDOW
DETAIL

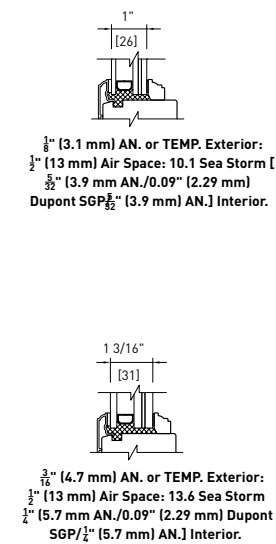
HEAD & SILL DETAIL



PLAN VIEW



GLAZING DETAIL

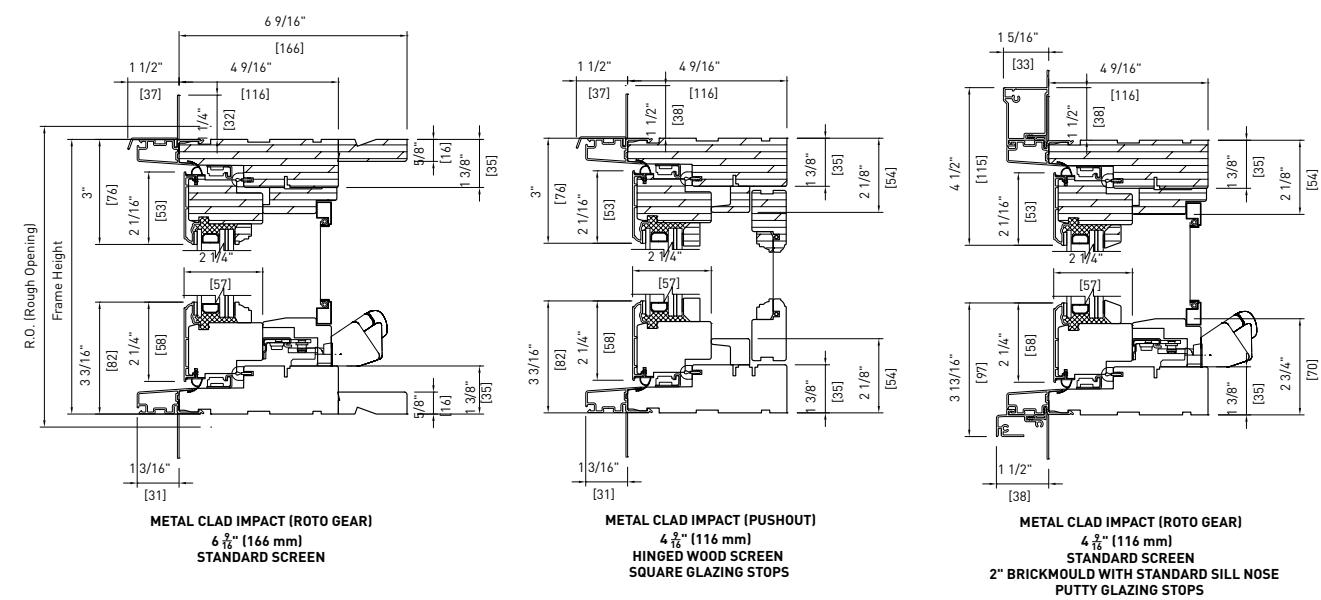


Note: • Other jamb widths available.
• All dimensions to have +/- 1/16" [2 mm] tolerance.

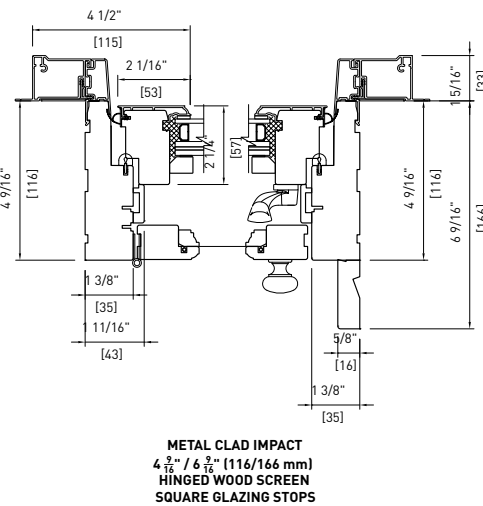
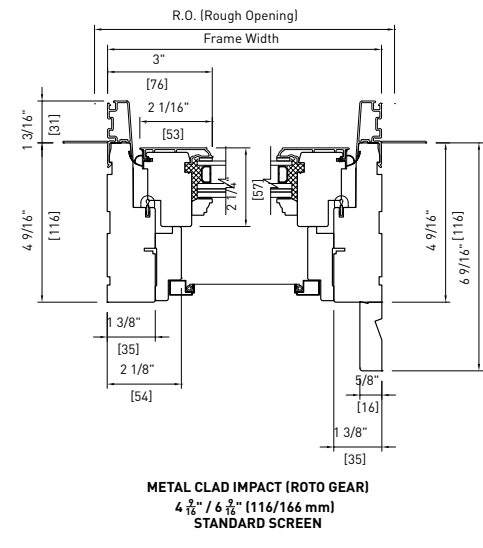
Information is subject to change without notice. | CAD Download: www.loewen.com/architect | Installation Instructions: www.loewen.com

STORMFORCE RADIUS TOP CASEMENT WINDOW
DETAIL

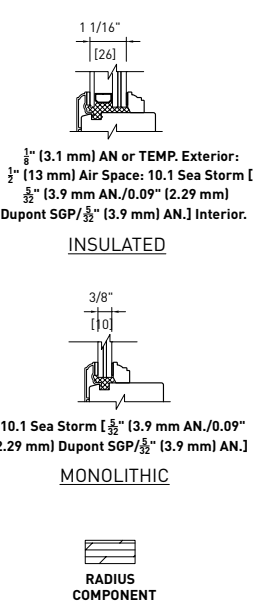
HEAD & SILL DETAIL



PLAN VIEW



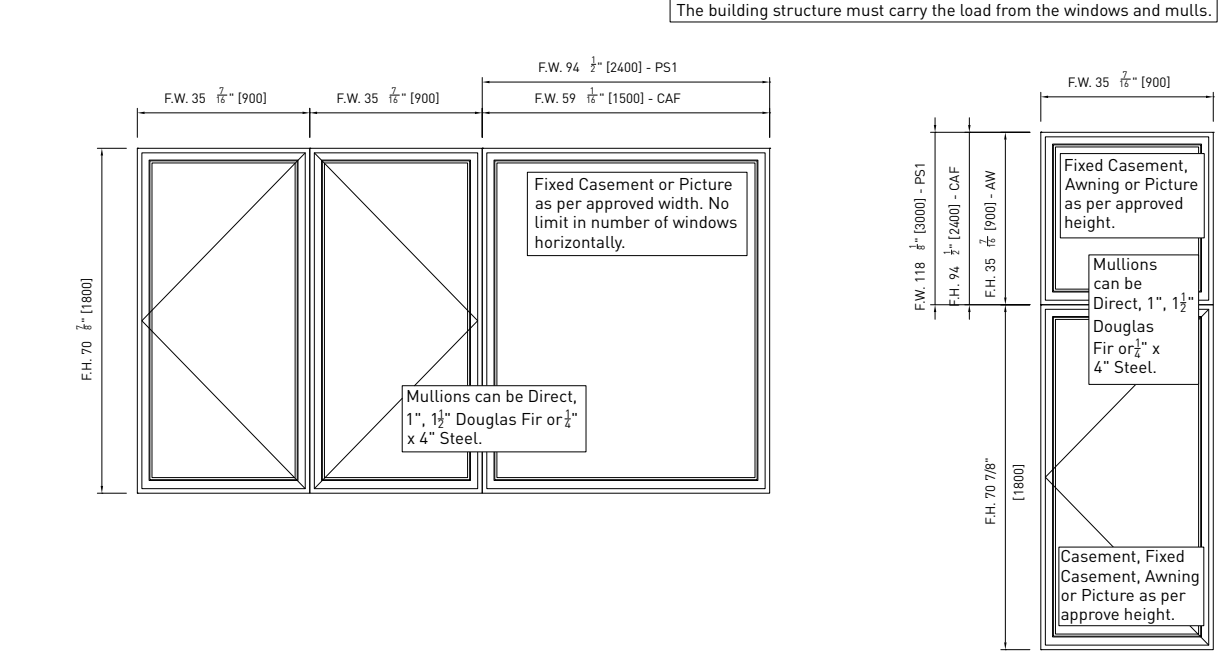
GLAZING DETAIL



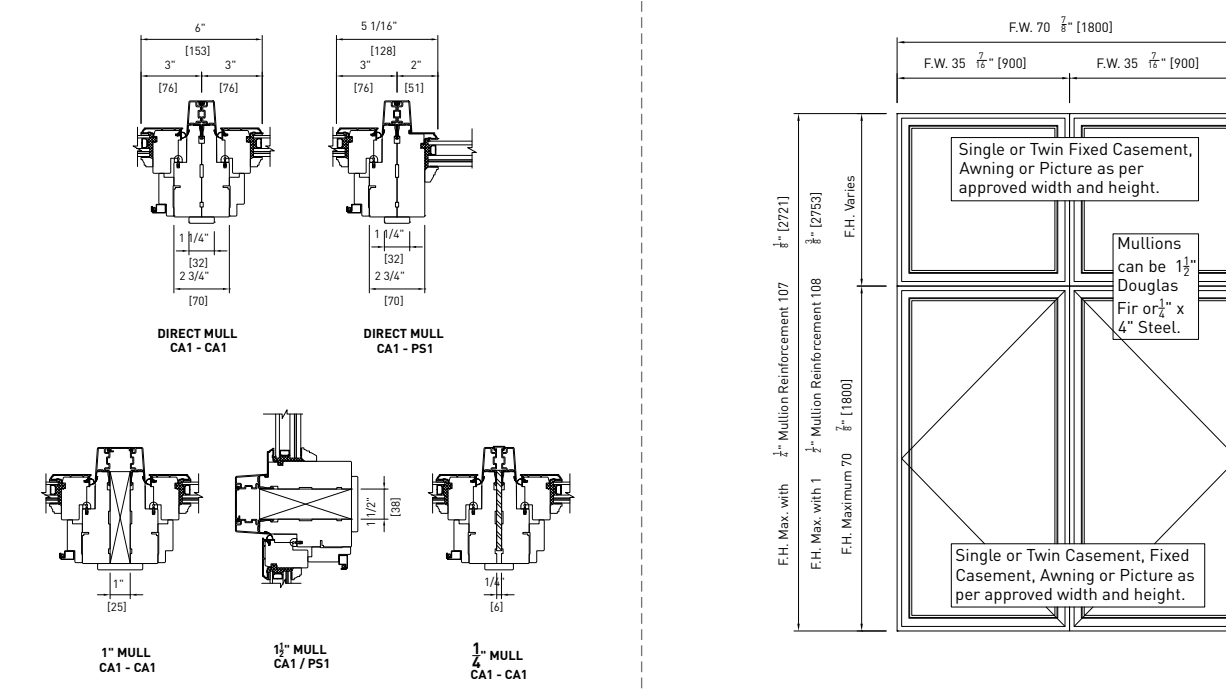
Note: • Other jamb widths available.
• All dimensions to have +/- 1/16" [2 mm] tolerance.

STORMFORCE CASEMENT WINDOW COMBINATIONS
MULLION DETAIL

ELEVATIONS

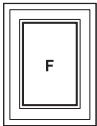
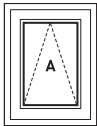


SECTION DETAIL (MULLION EXAMPLES)



Note: • Other jamb widths available.
• All dimensions to have +/- 1/16" [2 mm] tolerance.

Reference FL # 13104 for complete installation instructions and sizing restriction.
[http://www.floridabuilding.org/upload/PR Inst Docs/FL13104 R2 II Drawing%201637.pdf](http://www.floridabuilding.org/upload/PR%20Inst%20Docs/FL13104%20R2%20Drawing%201637.pdf)



STORMFORCE AWNING ZONE 4
WINDOW SIZES

S28

Rough Opening			WIDTH								
			24 3/8" 619	28 5/16" 719	30 1/4" 769	32 1/4" 819	36 3/16" 919	40 1/8" 1019	48" 1219	55 7/8" 1419	59 13/16" 1519
			Frame	23 5/8" 600	27 9/16" 700	29 1/2" 750	31 1/2" 800	35 7/16" 900	39 3/8" 1000	47 1/4" 1200	55 1/8" 1400
	Visible Glass	17 5/8" 447	21 9/16" 547	23 1/2" 597	25 1/2" 647	29 7/16" 747	33 3/8" 847	41 1/4" 1047	49 1/8" 1247	53 1/16" 1347	
16 1/2" 419	15 3/4" 400	9 1/2" 242	AW1 0604	AW1 0704	AW1 7504	AW1 0804	AW1 0904	AW1 1004	AW1 1204	AW1 1404	
20 7/16" 519	19 11/16" 500	13 7/16" 342	AW1 0605	AW1 0705	AW1 7505	AW1 0805	AW1 0905	AW1 1005	AW1 1205	AW1 1405	
24 3/8" 619	23 5/8" 600	17 3/8" 442	AW1 0606	AW1 0706	AW1 7506	AW1 0806	AW1 0906	AW1 1006	AW1 1206		
28 5/16" 719	27 9/16" 700	21 5/16" 542	AW1 0607	AW1 0707	AW1 7507	AW1 0807	AW1 0907	AW1 1007	AW1 1207	AW1 1407	AW1 1507
30 1/4" 769	29 1/2" 750	23 5/16" 592	AW1 0675	AW1 0775	AW1 7575	AW1 0875	AW1 0975	AW1 1075	AW1 1275	AW1 1475	AW1 1575
32 1/4" 819	31 1/2" 800	25 1/4" 642	AW1 0608	AW1 0708	AW1 7508	AW1 0808	AW1 0908	AW1 1008	AW1 1208	AW1 1408	AW1 1508
36 3/16" 919	35 7/16" 900	29 3/16" 742	AW1 0609	AW1 0709	AW1 7509	AW1 0809	AW1 0909	AW1 1009	AW1 1209	AW1 1409	AW1 1509
40 1/8" 1019	39 3/8" 1000	33 1/8" 842	AW1 0610	AW1 0710	AW1 7510	AW1 0810	AW1 0910	AW1 1010	AW1 1210		
PRODUCT CODE											

GLASS SIZE = VISIBLE GLASS + 7/8" (22 MM)

PRODUCT CODE

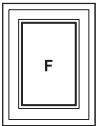
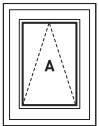
Standard Sizes Shown. Custom Sizes Available.

Note: • SDL/Grille patterns are dependent on SDL/Grille type and window size. Please verify SDL/Grille patterns before confirming your order.
• Available with sash moulding matching Push Out moldings.
• Sizes are shown as Impact IG.

Only available with Rotogear hardware

Only available with Pushout hardware

Information is subject to change without notice. | CAD Download: www.loewen.com/architect | Installation Instructions: www.loewen.com



STORMFORCE AWNING ZONE 3
WINDOW SIZES



S29

Rough Opening			WIDTH							
			20 7/16" 519	24 3/8" 619	28 5/16" 719	30 1/4" 769	32 1/4" 819	36 3/16" 919	40 1/8" 1019	48" 1219
			Frame	19 11/16" 500	23 5/8" 600	27 9/16" 700	29 1/2" 750	31 1/2" 800	35 7/16" 900	39 3/8" 1000
Visible Glass			13 11/16" 347	17 5/8" 447	21 9/16" 547	23 1/2" 597	25 1/2" 647	29 7/16" 747	33 3/8" 847	41 1/4" 1047
16 1/2" 419	15 3/4" 400	9 1/2" 242	AW1 0504	AW1 0604	AW1 0704	AW1 7504	AW1 0804	AW1 0904	AW1 1004	AW1 1204
20 7/16" 519	19 11/16" 500	13 7/16" 342	AW1 0505	AW1 0605	AW1 0705	AW1 7505	AW1 0805	AW1 0905	AW1 1005	AW1 1205
24 3/8" 619	23 5/8" 600	17 3/8" 442	AW1 0506	AW1 0606	AW1 0706	AW1 7506	AW1 0806	AW1 0906	AW1 1006	AW1 1206
28 5/16" 719	27 9/16" 700	21 5/16" 542	AW1 0507	AW1 0607	AW1 0707	AW1 7507	AW1 0807	AW1 0907	AW1 1007	AW1 1207
30 1/4" 769	29 1/2" 750	23 5/16" 592	AW1 0575	AW1 0675	AW1 0775	AW1 7575	AW1 0875	AW1 0975	AW1 1075	AW1 1275
32 1/4" 819	31 1/2" 800	25 1/4" 642	AW1 0508	AW1 0608	AW1 0708	AW1 7508	AW1 0808	AW1 0908	AW1 1008	AW1 1208
36 3/16" 919	35 7/16" 900	29 3/16" 742	AW1 0509	AW1 0609	AW1 0709	AW1 7509	AW1 0809	AW1 0909	AW1 1009	AW1 1209
40 1/8" 1019	39 3/8" 1000	33 1/8" 842	AW1 0510	AW1 0610	AW1 0710	AW1 7510	AW1 0810	AW1 0910	AW1 1010	AW1 1210
48" 1219	47 1/4" 1200	41" 1042	AW1 0512	AW1 0612	AW1 0712	AW1 7512	AW1 0812	AW1 0912	AW1 1012	AW1 1212

GLASS SIZE = VISIBLE GLASS + 7/8" (22 MM)

PRODUCT CODE

Standard Sizes Shown. Custom Sizes Available.

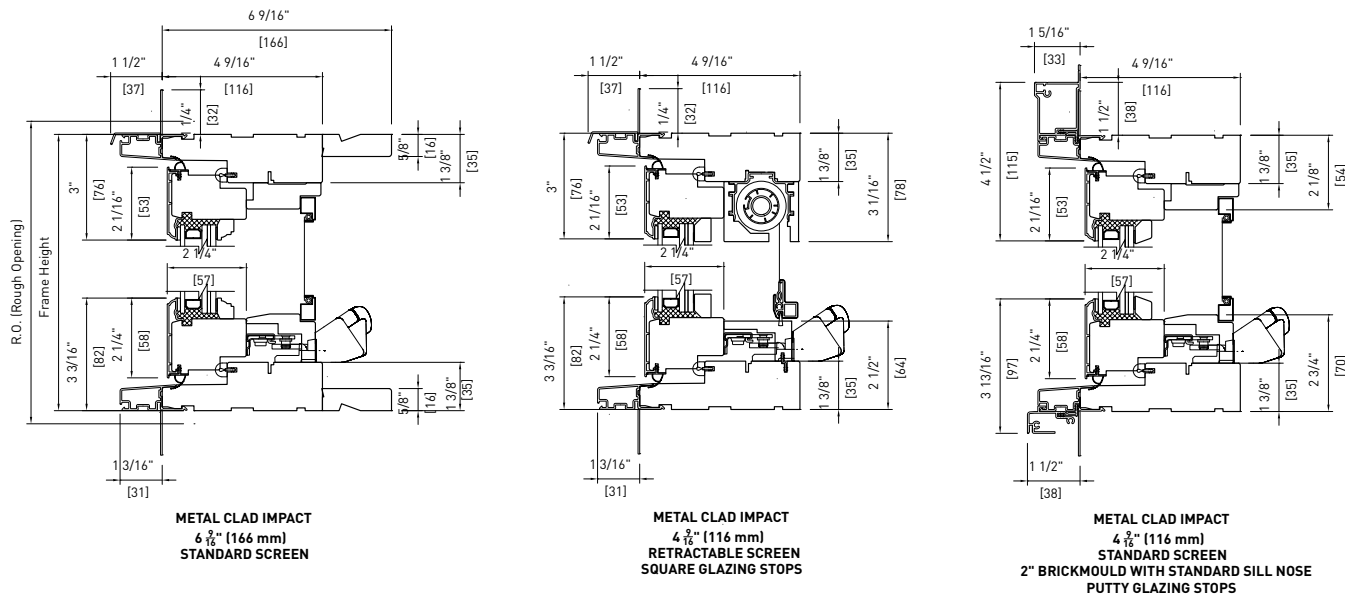
Note: • SDL/Grille patterns are dependent on SDL/Grille type and window size. Please verify SDL/Grille patterns before confirming your order.
• Sizes are shown as Impact IG.

Only available with Rotogear hardware

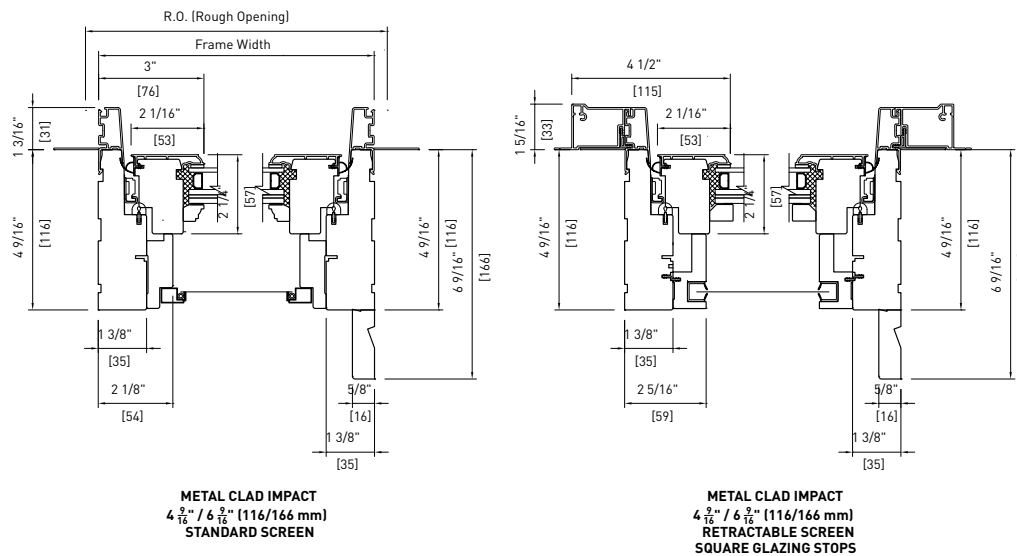
Information is subject to change without notice. | CAD Download: www.loewen.com/architect | Installation Instructions: www.loewen.com

STORMFORCE AWNING WINDOW ZONE 4
DETAIL

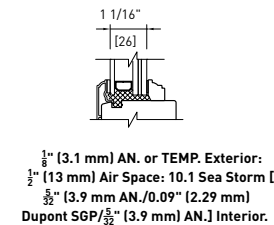
HEAD & SILL DETAIL



PLAN VIEW



GLAZING DETAIL

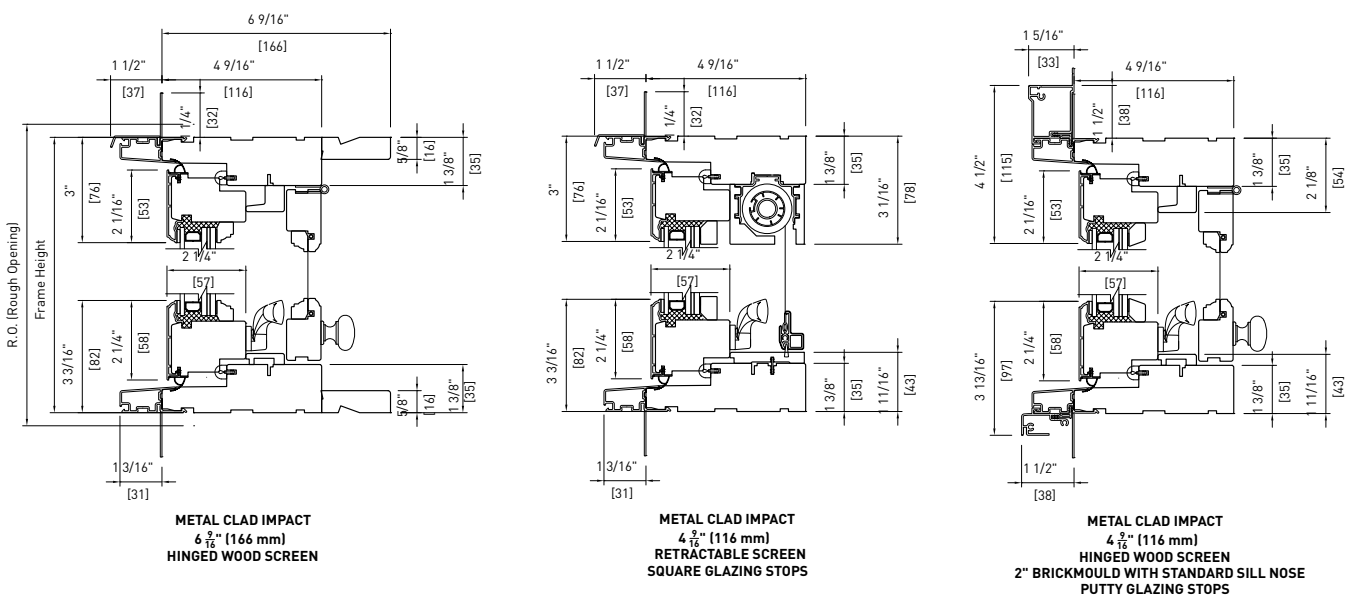


Note: • Other jamb widths available.
• All dimensions to have +/- 1/16" (2 mm) tolerance.

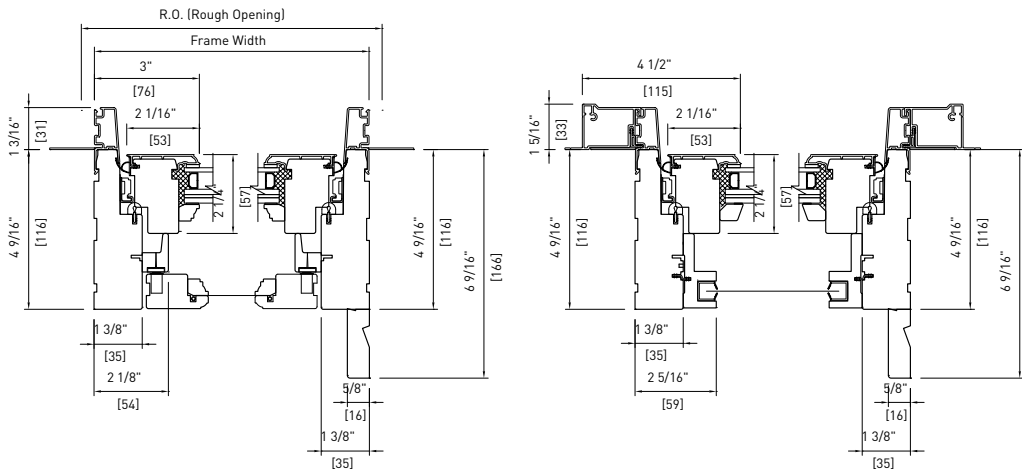
Information is subject to change without notice. | CAD Download: www.loewen.com/architect | Installation Instructions: www.loewen.com

STORMFORCE PUSHOUT AWNING WINDOW ZONE 4
DETAIL

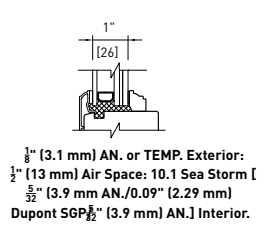
HEAD & SILL DETAIL



PLAN VIEW



GLAZING DETAIL

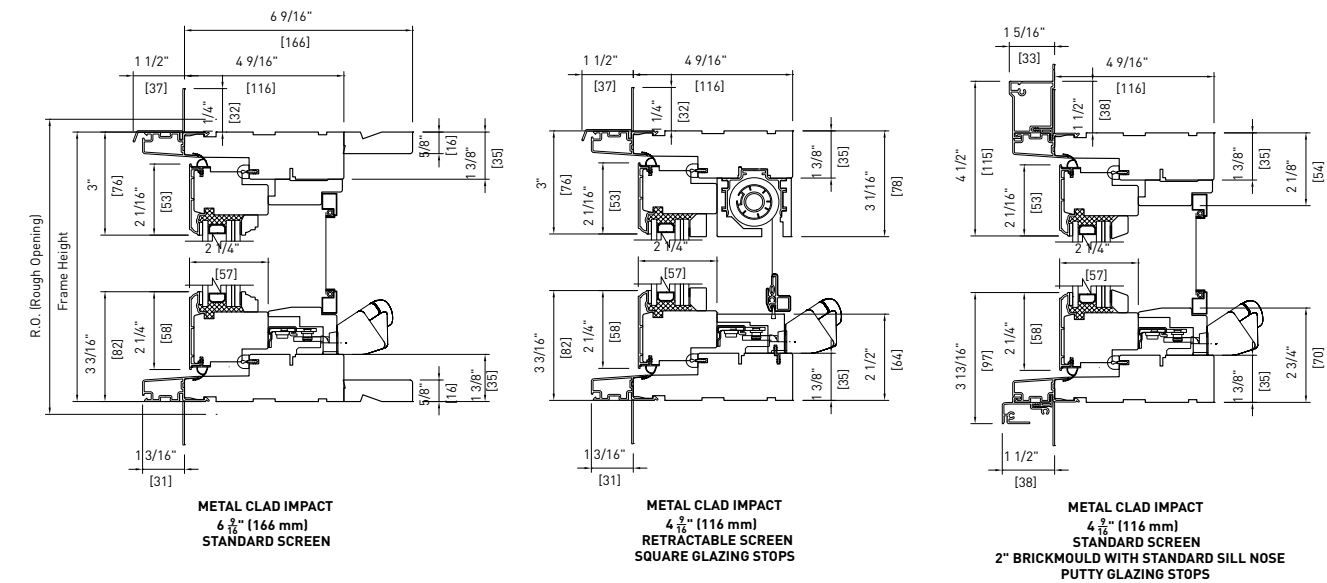


Note: • Other jamb widths available.
• All dimensions to have +/- 1/16" (2 mm) tolerance.

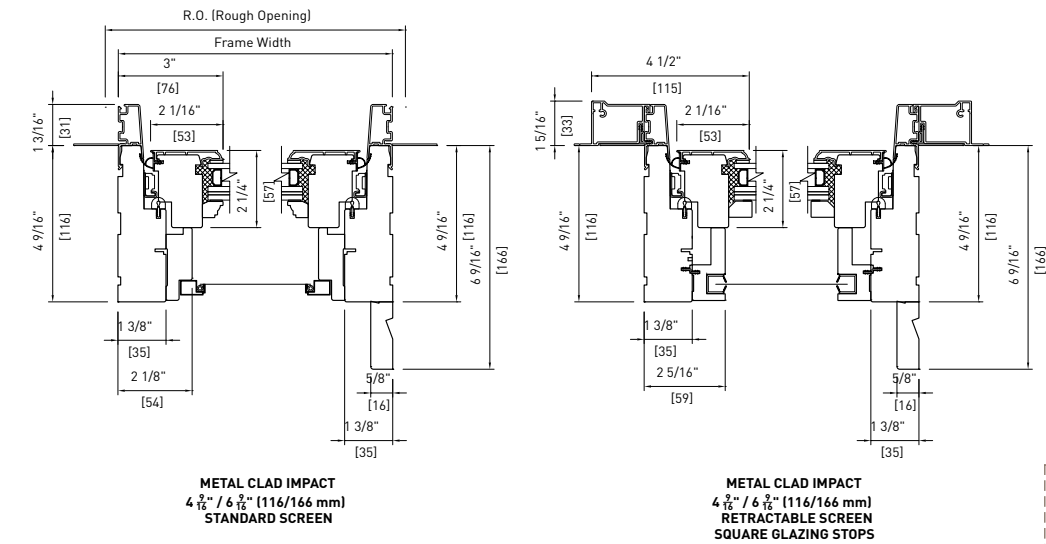
Information is subject to change without notice. | CAD Download: www.loewen.com/architect | Installation Instructions: www.loewen.com

STORMFORCE ROTO GEAR AWNING WINDOW ZONE 3
DETAIL

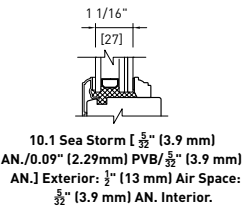
HEAD & SILL DETAIL



PLAN VIEW



GLAZING DETAIL



Note: • Other jamb widths available.
• All dimensions to have +/- 1/16" [2 mm] tolerance.

Information is subject to change without notice. | CAD Download: www.loewen.com/architect | Installation Instructions: www.loewen.com

NOTES

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STORMFORCE PICTURE WINDOW SIZES

S34

Rough Opening			WIDTH						
			20 7/16" 519	24 3/8" 619	28 5/16" 719	30 1/4" 769	32 1/4" 819	36 3/16" 919	40 1/8" 1019
			Frame	19 11/16" 500	23 5/8" 600	27 9/16" 700	29 1/2" 750	31 1/2" 800	35 7/16" 900
		Visible Glass	15 9/16" 396	19 1/2" 496	23 7/16" 596	25 7/16" 646	27 3/8" 696	31 5/16" 796	35 1/4" 896
20 7/16" 519	19 11/16" 500	15 9/16" 396	PS1 0505	PS1 0605	PS1 0705	PS1 7505	PS1 0805	PS1 0905	PS1 1005
24 3/8" 619	23 5/8" 600	19 1/2" 496	PS1 0506	PS1 0606	PS1 0706	PS1 7506	PS1 0806	PS1 0906	PS1 1006
28 5/16" 719	27 9/16" 700	23 7/16" 596	PS1 0507	PS1 0607	PS1 0707	PS1 7507	PS1 0807	PS1 0907	PS1 1007
30 1/4" 769	29 1/2" 750	25 7/16" 646	PS1 0575	PS1 0675	PS1 0775	PS1 7575	PS1 0875	PS1 0975	PS1 1075
32 1/4" 819	31 1/2" 800	27 3/8" 696	PS1 0508	PS1 0608	PS1 0708	PS1 7508	PS1 0808	PS1 0908	PS1 1008
36 3/16" 919	35 7/16" 900	31 5/16" 796	PS1 0509	PS1 0609	PS1 0709	PS1 7509	PS1 0809	PS1 0909	PS1 1009
40 1/8" 1019	39 3/8" 1000	35 1/4" 896	PS1 0510	PS1 0610	PS1 0710	PS1 7510	PS1 0810	PS1 0910	PS1 1010
48" 1219	47 1/4" 1200	43 1/8" 1096	PS1 0512	PS1 0612	PS1 0712	PS1 7512	PS1 0812	PS1 0912	PS1 1012
55 7/8" 1419	55 1/8" 1400	51" 1296	PS1 0514	PS1 0614	PS1 0714	PS1 7514	PS1 0814	PS1 0914	PS1 1014
59 13/16" 1519	59 1/16" 1500	54 15/16" 1396	PS1 0515	PS1 0615	PS1 0715	PS1 7515	PS1 0815	PS1 0915	PS1 1015
63 3/4" 1619	63" 1600	58 7/8" 1496	PS1 0516	PS1 0616	PS1 0716	PS1 7516	PS1 0816	PS1 0916	PS1 1016
71 5/8" 1819	70 7/8" 1800	66" 1696	PS1 0518	PS1 0618	PS1 0718	PS1 7518	PS1 0818	PS1 0918	PS1 1018
83 7/16" 2119	82 11/16" 2100	78 9/16" 1996	PS1 0521	PS1 0621	PS1 0721	PS1 7521	PS1 0821	PS1 0921	PS1 1021
95 1/4" 2419	94 1/2" 2400	90 3/8" 2296	PS1 0524	PS1 0624	PS1 0724	PS1 7524	PS1 0824	PS1 0924	PS1 1024
118 7/8" 3019	118 1/8" 3000	114" 2896		PS1 0630	PS1 0730	PS1 7530	PS1 0830	PS1 0930	PS1 1030

PRODUCT CODE

GLASS SIZE = VISIBLE GLASS + 1" [26 MM]

PRODUCT CODE

Standard Sizes Shown. Custom Sizes Available.

Note: • SDL/Grille patterns are dependent on SDL/Grille type and window size. Please verify SDL/Grille patterns before confirming your order.
• Sizes are shown as Impact IG.

Only available with 5.7 Outboard Lite

Information is subject to change without notice. | CAD Download: www.loewen.com/architect | Installation Instructions: www.loewen.com



STORMFORCE PICTURE WINDOW SIZES

S35

Rough Opening			WIDTH								
			48" 1219	55 7/8" 1419	59 13/16" 1519	63 3/4" 1619	71 5/8" 1819	79 1/2" 2019	83 7/16" 2119	95 1/4" 2419	118 7/8" 3019
			47 1/4" 1200	55 1/8" 1400	59 1/16" 1500	63" 1600	70 7/8" 1800	78 3/4" 2000	82 11/16" 2100	94 1/2" 2400	118 1/8" 3000
Frame			43 1/8" 1096	51" 1296	54 15/16" 1396	58 7/8" 1496	66" 1696	74 5/8" 1896	78 9/16" 1996	90 3/8" 2296	114" 2896
Visible Glass											
20 7/16" 519	19 11/16" 500	15 9/16" 396	PS1 1205	PS1 1405	PS1 1505	PS1 1605	PS1 1805	PS1 2005	PS1 2105	PS1 2405	
24 3/8" 619	23 5/8" 600	19 1/2" 496	PS1 1206	PS1 1406	PS1 1506	PS1 1606	PS1 1806	PS1 2006	PS1 2106	PS1 2406	PS1 3006
28 5/16" 719	27 9/16" 700	23 7/16" 596	PS1 1207	PS1 1407	PS1 1507	PS1 1607	PS1 1807	PS1 2007	PS1 2107	PS1 2407	PS1 3007
30 1/4" 769	29 1/2" 750	25 7/16" 646	PS1 1275	PS1 1475	PS1 1575	PS1 1675	PS1 1875	PS1 2075	PS1 2175	PS1 2475	PS1 3075
32 1/4" 819	31 1/2" 800	27 3/8" 696	PS1 1208	PS1 1408	PS1 1508	PS1 1608	PS1 1808	PS1 2008	PS1 2108	PS1 2408	PS1 3008
36 3/16" 919	35 7/16" 900	31 5/16" 796	PS1 1209	PS1 1409	PS1 1509	PS1 1609	PS1 1809	PS1 2009	PS1 2109	PS1 2409	PS1 3009
40 1/8" 1019	39 3/8" 1000	35 1/4" 896	PS1 1210	PS1 1410	PS1 1510	PS1 1610	PS1 1810	PS1 2010	PS1 2110	PS1 2410	PS1 3010
48" 1219	47 1/4" 1200	43 1/8" 1096	PS1 1212	PS1 1412	PS1 1512	PS1 1612	PS1 1812	PS1 2012	PS1 2112	PS1 2412	PS1 3012
55 7/8" 1419	55 1/8" 1400	51" 1296	PS1 1214	PS1 1414	PS1 1514	PS1 1614	PS1 1814	PS1 2014	PS1 2114	PS1 2414	PS1 3014
59 13/16" 1519	59 1/16" 1500	54 15/16" 1396	PS1 1215	PS1 1415	PS1 1515	PS1 1615	PS1 1815	PS1 2015	PS1 2115	PS1 2415	PS1 3015
63 3/4" 1619	63" 1600	58 7/8" 1496	PS1 1216	PS1 1416	PS1 1516	PS1 1616	PS1 1816	PS1 2016	PS1 2116	PS1 2416	
71 5/8" 1819	70 7/8" 1800	66" 1696	PS1 1218	PS1 1418	PS1 1518	PS1 1618	PS1 1818	PS1 2018	PS1 2118	PS1 2418	
83 7/16" 2119	82 11/16" 2100	78 9/16" 1996	PS1 1221	PS1 1421	PS1 1521	PS1 1621	PS1 1821	PS1 2021	PS1 2121		
95 1/4" 2419	94 1/2" 2400	90 3/8" 2296	PS1 1224	PS1 1424	PS1 1524	PS1 1624	PS1 1824				
118 7/8" 3019	118 1/8" 3000	114" 2896	PS1 1230	PS1 1430	PS1 1530						
PRODUCT CODE											

GLASS SIZE = VISIBLE GLASS + 1" [26 MM]

PRODUCT CODE

Standard Sizes Shown. Custom Sizes Available.

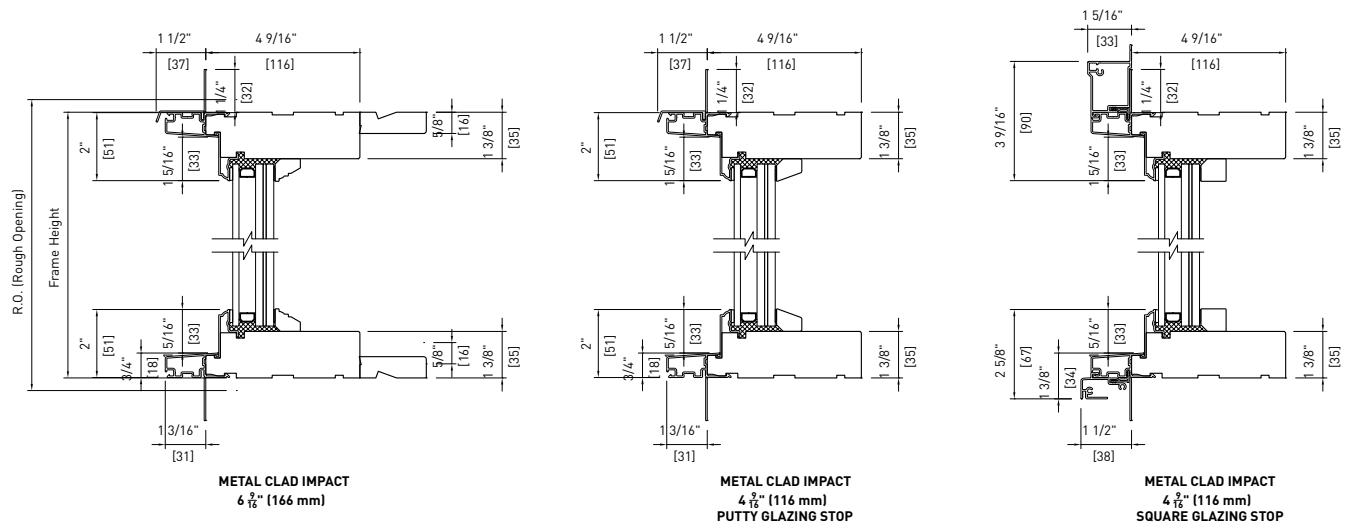
Note: • SDL/Grille patterns are dependent on SDL/Grille type and window size. Please verify SDL/Grille patterns before confirming your order.
• Sizes are shown as Impact IG.

Only available with 5.7 Outboard Lite

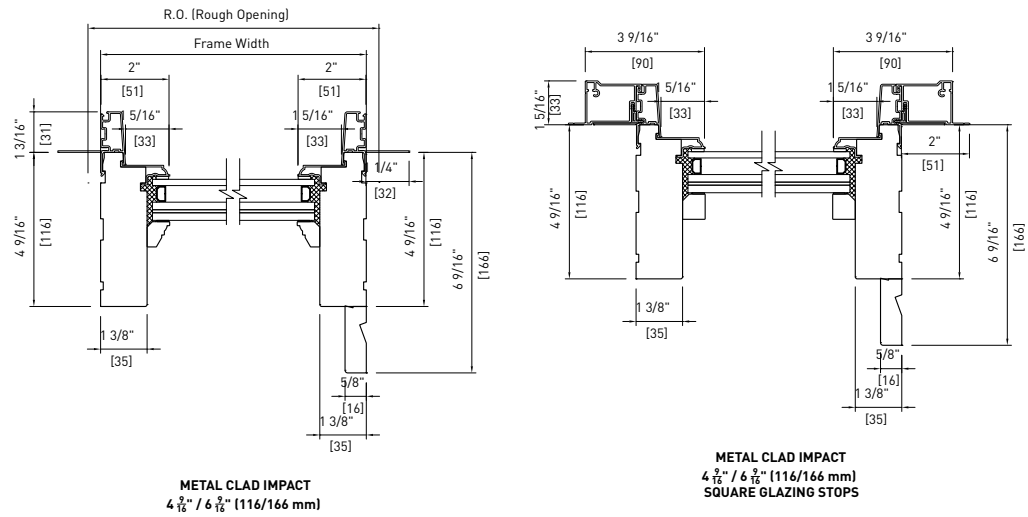
Information is subject to change without notice. | CAD Download: www.loewen.com/architect | Installation Instructions: www.loewen.com

STORMFORCE PICTURE/DIRECT SET WINDOW
DETAIL

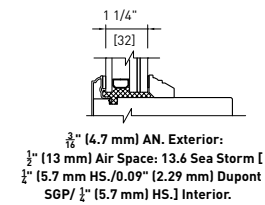
HEAD & SILL DETAIL



PLAN VIEW



GLAZING DETAIL

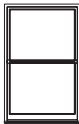


Note: • Other jamb widths available.
• All dimensions to have +/- 1/16" [2 mm] tolerance.

Information is subject to change without notice. | CAD Download: www.loewen.com/architect | Installation Instructions: www.loewen.com

NOTES

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STORMFORCE DOUBLE HUNG
WINDOW SIZES

S38

Rough Opening			WIDTH									HEIGHT
			Frame									
			22 9/16" 573	26 9/16" 675	30 9/16" 777	32 9/16" 827	34 9/16" 878	36 9/16" 929	38 9/16" 980	42 9/16" 1081	46 9/16" 1183	
			21 13/16" 554	25 13/16" 656	29 13/16" 758	31 13/16" 808	33 13/16" 859	35 13/16" 910	37 13/16" 961	41 13/16" 1062	45 13/16" 1164	
		Visible Glass	15 1/16" 382	19 1/16" 484	23 1/16" 586	25 1/16" 636	27 1/16" 687	29 1/16" 738	31 1/16" 789	35 1/16" 890	39 1/16" 992	
33 1/16" 839	32 5/16" 820	11" 280	DH1 1612	DH1 2012	DH1 2412	DH1 2612	DH1 2812	DH1 3012				
37" 940	36 1/4" 921	13" 330	DH1 1614	DH1 2014	DH1 2414	DH1 2614						
41" 1042	40 1/4" 1023	15" 381	DH1 1616	DH1 2016	DH1 2416	DH1 2616	DH1 2816	DH1 3016	DH1 3216	DH1 3616	DH1 4016	
49" 1245	48 1/4" 1226	19" 483	DH1 1620	DH1 2020	DH1 2420	DH1 2620	DH1 2820	DH1 3020	DH1 3220	DH1 3620	DH1 4020	
53 1/16" 1347	52 5/16" 1328	21" 534	DH1 1622	DH1 2022	DH1 2422	DH1 2622	DH1 2822	DH1 3022	DH1 3222	DH1 3622	DH1 4022	
57" 1448	56 1/4" 1429	23" 584	DH1 1624	DH1 2024	DH1 2424	DH1 2624	DH1 2824	DH1 3024	DH1 3224	DH1 3624	DH1 4024	
61" 1550	60 1/4" 1531	25" 635	DH1 1626	DH1 2026	DH1 2426	DH1 2626	DH1 2826	DH1 3026	DH1 3226	DH1 3626	DH1 4026	
65" 1651	64 1/4" 1632	27" 686	DH1 1628	DH1 2028	DH1 2428	DH1 2628	DH1 2828	DH1 3028	DH1 3228	DH1 3628	DH1 4028	
69" 1753	68 1/4" 1734	29" 737	DH1 1630	DH1 2030	DH1 2430	DH1 2630	DH1 2830	DH1 3030	DH1 3230	DH1 3630	DH1 4030	
73 1/16" 1855	72 5/16" 1836	31" 788	DH1 1632	DH1 2032	DH1 2432	DH1 2632	DH1 2832	DH1 3032	DH1 3232	DH1 3632	DH1 4032	
77" 1956	76 1/4" 1937	33" 838	DH1 1634	DH1 2034	DH1 2434	DH1 2634	DH1 2834	DH1 3034	DH1 3234	DH1 3634		
81" 2058	80 1/4" 2039	35" 889	DH1 1636	DH1 2036	DH1 2436	DH1 2636	DH1 2836	DH1 3036	DH1 3236	DH1 3636		
85" 2159	84 1/4" 2140	37" 940	DH1 1638	DH1 2038	DH1 2438	DH1 2638	DH1 2838	DH1 3038	DH1 3238			
PRODUCT CODE												

ONLY AVAILABLE IN LIBERTY (NON-TILT)
GLASS SIZE = VISIBLE GLASS + 7/8" [22 MM]

Standard Sizes Shown. Custom Sizes Available.

- Note:
- SDL/Grille patterns are dependent on SDL/Grille type and window size. Please verify SDL/Grille patterns before confirming your order.
 - Sizes are shown as Impact IG.
 - Egress calculations are based on unit having minimum clear opening of: USA: 20" in width, 24" in height, with a total egress area of 5.7 sq ft CAN: 15" in width, 15" in height, with a total egress area of 3.8 sq ft
 - Please check your local building codes for any variation in Egress Standards from those stated above. For egress information, contact your Authorized Loewen Dealer.

Canadian Egress

US & Canadian Egress

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STORMFORCE FIXED DOUBLE HUNG
WINDOW SIZES

S39

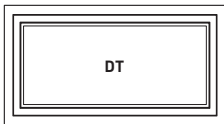
Rough Opening			WIDTH					
			42 9/16" 1081	46 9/16" 1183	50 9/16" 1285	54 9/16" 1386	62 9/16" 1589	70 9/16" 1793
			41 13/16" 1062	45 13/16" 1164	49 13/16" 1266	53 13/16" 1367	61 13/16" 1570	69 13/16" 1774
	Frame	Visible Glass	35 1/16" 890	39 1/16" 992	43 1/16" 1094	47 1/16" 1195	55 1/16" 1398	63 1/16" 1602
33 1/16" 839	32 5/16" 820	24 1/16" 611	DF 3625	DF 4025	DF 4425	DF 4825	DF 5625	DF 6425
37" 940	36 1/4" 921	28 1/16" 712	DF 3629	DF 4029	DF 4429	DF 4829	DF 5629	DF 6429
41" 1042	40 1/4" 1023	32 1/16" 814	DF 3633	DF 4033	DF 4433	DF 4833	DF 5633	DF 6433
49" 1245	48 1/4" 1226	40 1/16" 1017	DF 3641	DF 4041	DF 4441	DF 4841	DF 5641	DF 6441
53 1/16" 1347	52 5/16" 1328	44 1/16" 1119	DF 3645	DF 4045	DF 4445	DF 4845	DF 5645	DF 6445
57" 1448	56 1/4" 1429	48 1/16" 1220	DF 3649	DF 4049	DF 4449	DF 4849	DF 5649	DF 6449
61" 1550	60 1/4" 1531	52 1/16" 1322	DF 3653	DF 4053	DF 4453	DF 4853	DF 5653	DF 6453
65" 1651	64 1/4" 1632	56" 1423	DF 3657	DF 4057	DF 4457	DF 4857	DF 5657	DF 6457
69" 1753	68 1/4" 1734	60 1/16" 1525	DF 3661	DF 4061	DF 4461	DF 4861	DF 5661	DF 6461
73 1/16" 1855	72 5/16" 1836	64 1/16" 1627	DF 3665	DF 4065	DF 4465	DF 4865	DF 5665	DF 6465
77" 1956	76 1/4" 1937	68 1/16" 1728	DF 3669	DF 4069	DF 4469	DF 4869	DF 5669	DF 6469
81" 2058	80 1/4" 2039	72 1/16" 1830	DF 3673	DF 4073	DF 4473	DF 4873	DF 5673	DF 6473
85" 2159	84 1/4" 2140	76" 1931	DF 3677	DF 4077	DF 4477	DF 4877	DF 5677	DF 6477
PRODUCT CODE								

ONLY AVAILABLE IN GRAND SASH
GLASS SIZE = VISIBLE GLASS + 7/8" [22 MM]

Standard Sizes Shown. Custom Sizes Available.

- Note:
- SDL/Grille patterns are dependent on SDL/Grille type and window size. Please verify SDL/Grille patterns before confirming your order.
 - Sizes are shown as Impact IG.
 - Please check your local building codes for any variation in Egress Standards from those stated above. For egress information, contact your Authorized Loewen Dealer.

Information is subject to change without notice. | CAD Download: www.loewen.com/architect | Installation Instructions: www.loewen.com



STORMFORCE DOUBLE HUNG TRANSOM WINDOW SIZES

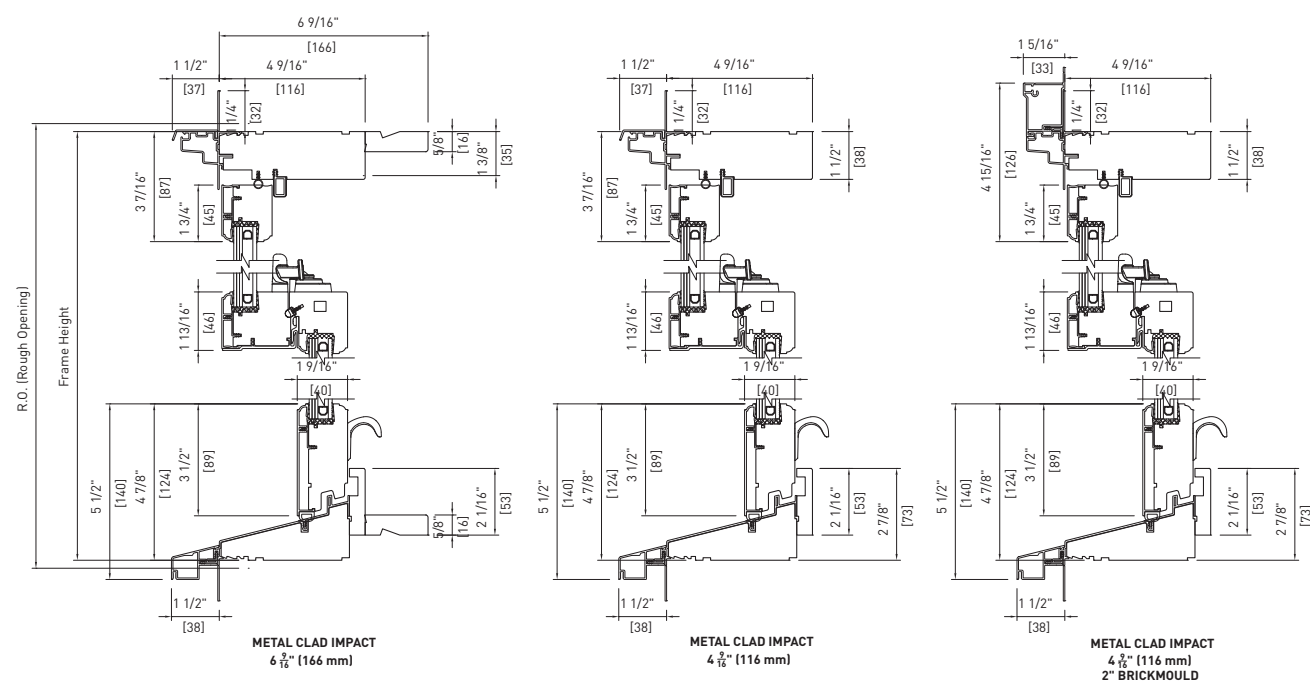
			WIDTH								
Rough Opening			22 9/16" 573	26 9/16" 675	30 9/16" 777	32 9/16" 827	34 9/16" 878	36 9/16" 929	38 9/16" 980	42 9/16" 1081	46 9/16" 1183
Frame			21 13/16" 554	25 13/16" 656	29 13/16" 758	31 13/16" 808	33 13/16" 859	35 13/16" 910	37 13/16" 961	41 13/16" 1062	45 13/16" 1164
Visible Glass			15 1/16" 382	19 1/16" 484	23 1/16" 586	25 1/16" 636	27 1/16" 687	29 1/16" 738	31 1/16" 789	35 1/16" 890	39 1/16" 992
22 9/16" 573	21 13/16" 554	15 1/16" 382	DT 1616	DT 2016	DT 2416	DT 2616	DT 2816	DT 3016	DT 3216	DT 3616	DT 4016
24 9/16" 624	23 13/16" 605	17 1/16" 433	DT 1618	DT 2018	DT 2418	DT 2618	DT 2818	DT 3018	DT 3218	DT 3618	DT 4018
26 9/16" 675	25 13/16" 656	19 1/16" 484	DT 1620	DT 2020	DT 2420	DT 2620	DT 2820	DT 3020	DT 3220	DT 3620	DT 4020

PRODUCT CODE

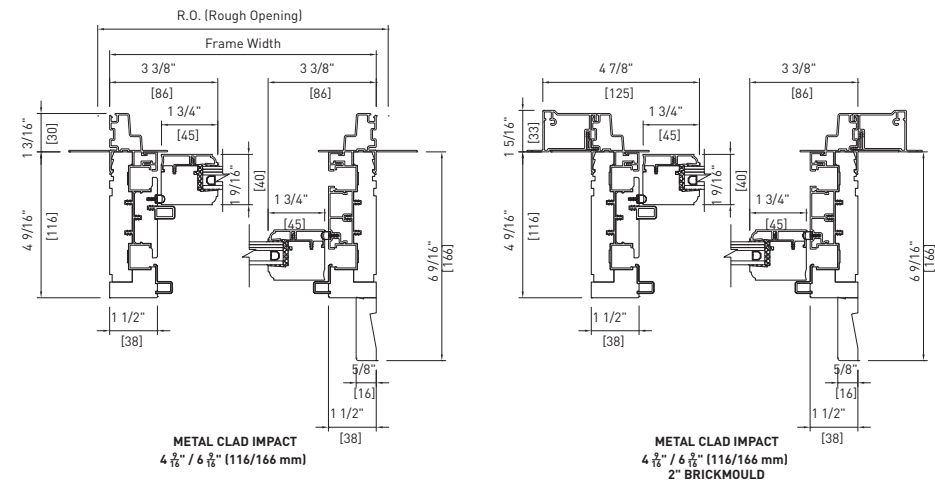
ONLY AVAILABLE IN GRAND SASH
GLASS SIZE = VISIBLE GLASS + 7/8" [22 MM]

STORMFORCE DOUBLE/SINGLE HUNG - LIBERTY (NON-TILTING) WINDOW DETAIL

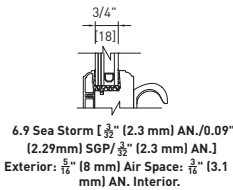
HEAD & SILL DETAIL



PLAN VIEW



GLAZING DETAIL



Standard Sizes Shown. Custom Sizes Available.

Note:

- SDL/Grille patterns are dependent on SDL/Grille type and window size. Please verify SDL/Grille patterns before confirming your order.
- Sizes are shown as Impact IG.
- Please check your local building codes for any variation in Egress Standards from those stated above. For egress information, contact your Authorized Loewen Dealer.

Information is subject to change without notice. | CAD Download: www.loewen.com/architect | Installation Instructions: www.loewen.com

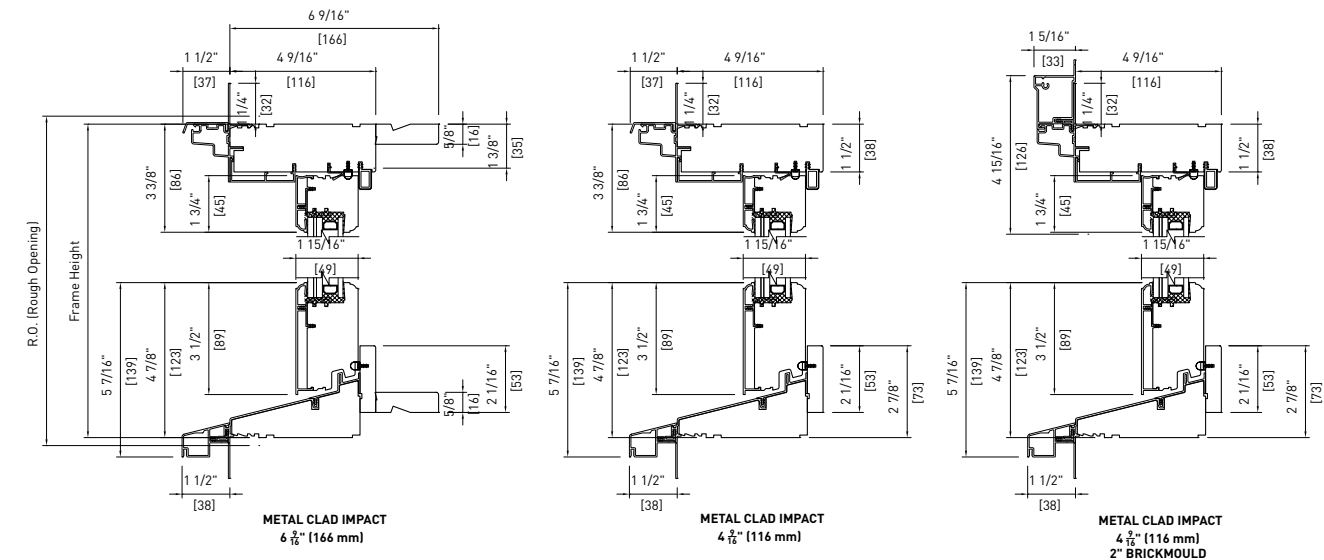
Note:

- Other jamb widths available.
- All dimensions to have +/- 1/16" [2 mm] tolerance.

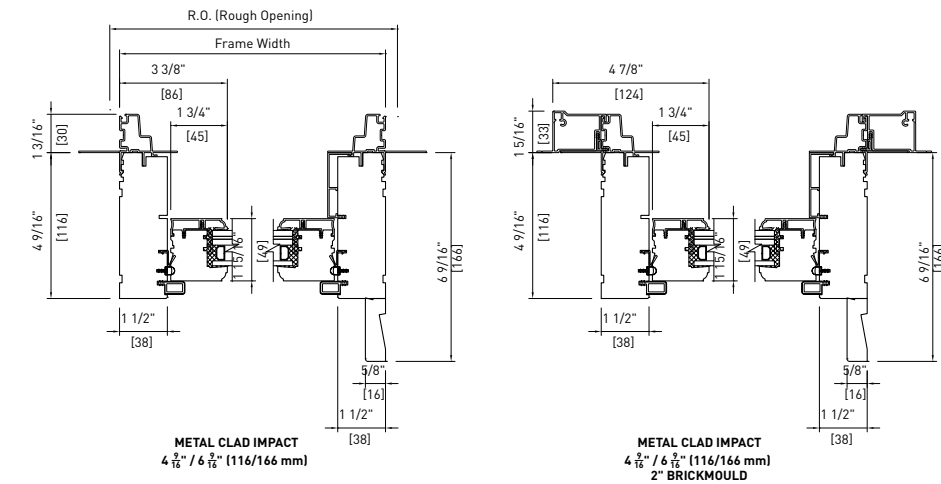
Information is subject to change without notice. | CAD Download: www.loewen.com/architect | Installation Instructions: www.loewen.com

STORMFORCE FIXED DOUBLE HUNG WINDOW
DETAIL

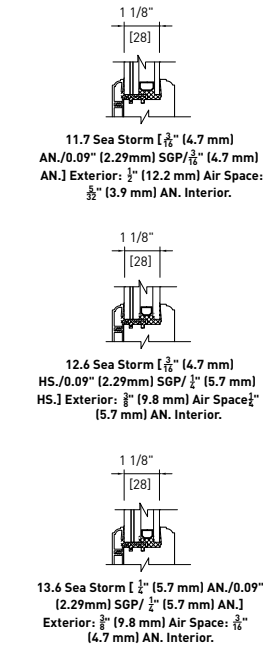
HEAD & SILL DETAIL



PLAN VIEW



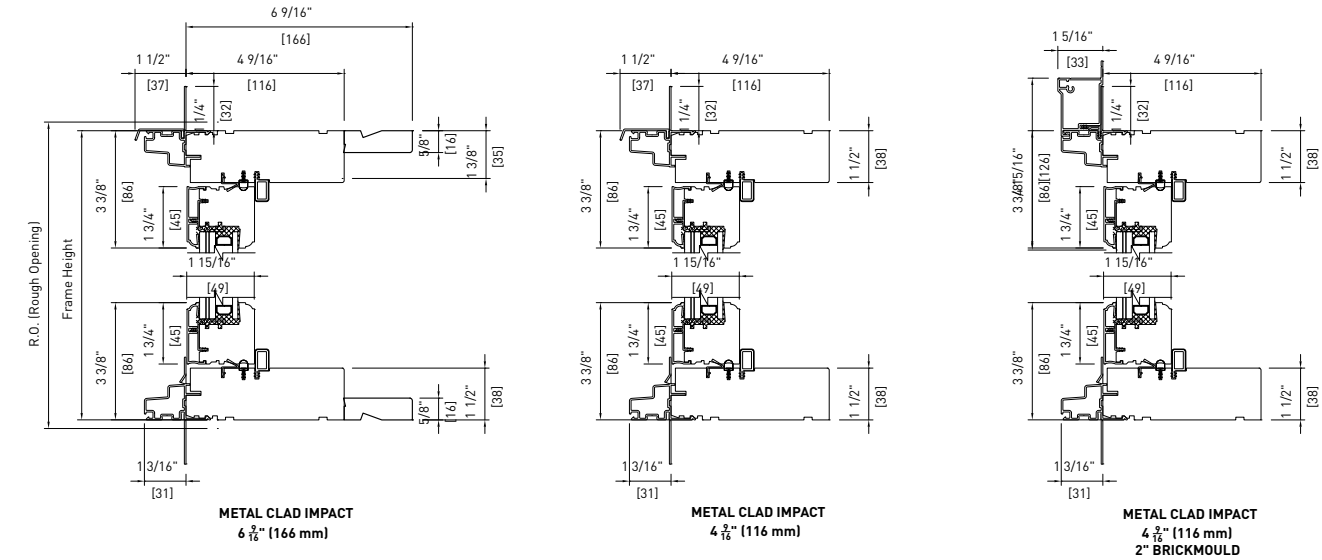
GLAZING DETAIL



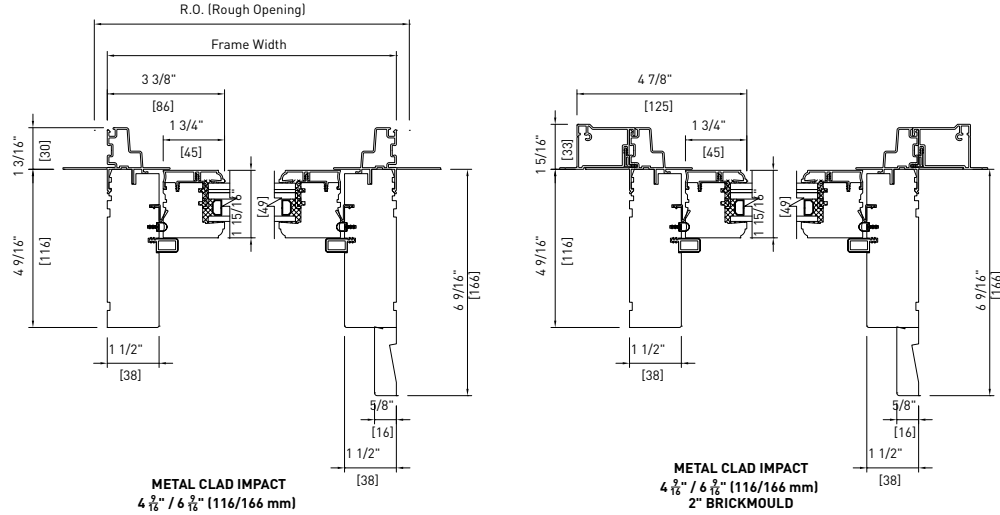
Note: • Other jamb widths available.
• All dimensions to have +/- 1/16" [2 mm] tolerance.

STORMFORCE DOUBLE HUNG TRANSOM WINDOW
DETAIL

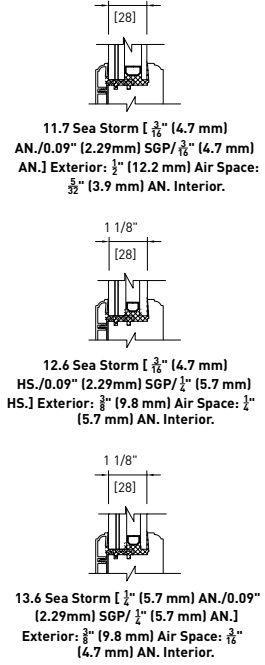
HEAD & SILL DETAIL



PLAN VIEW



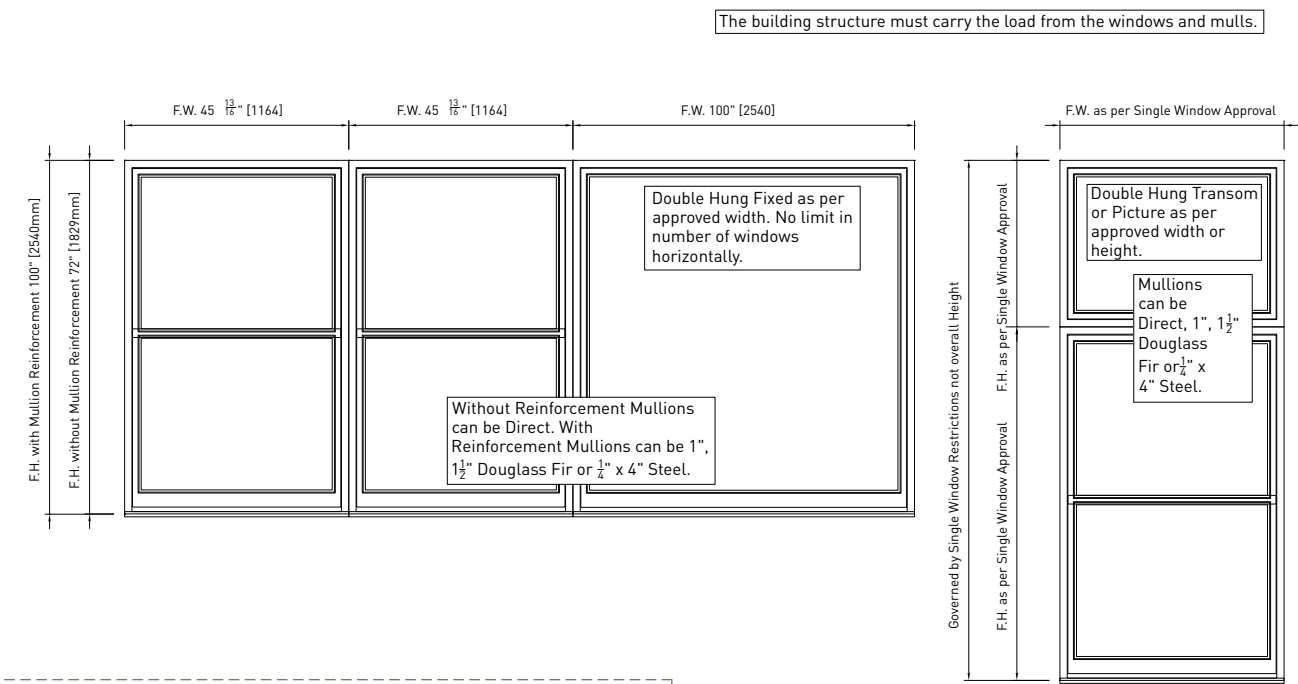
GLAZING DETAIL



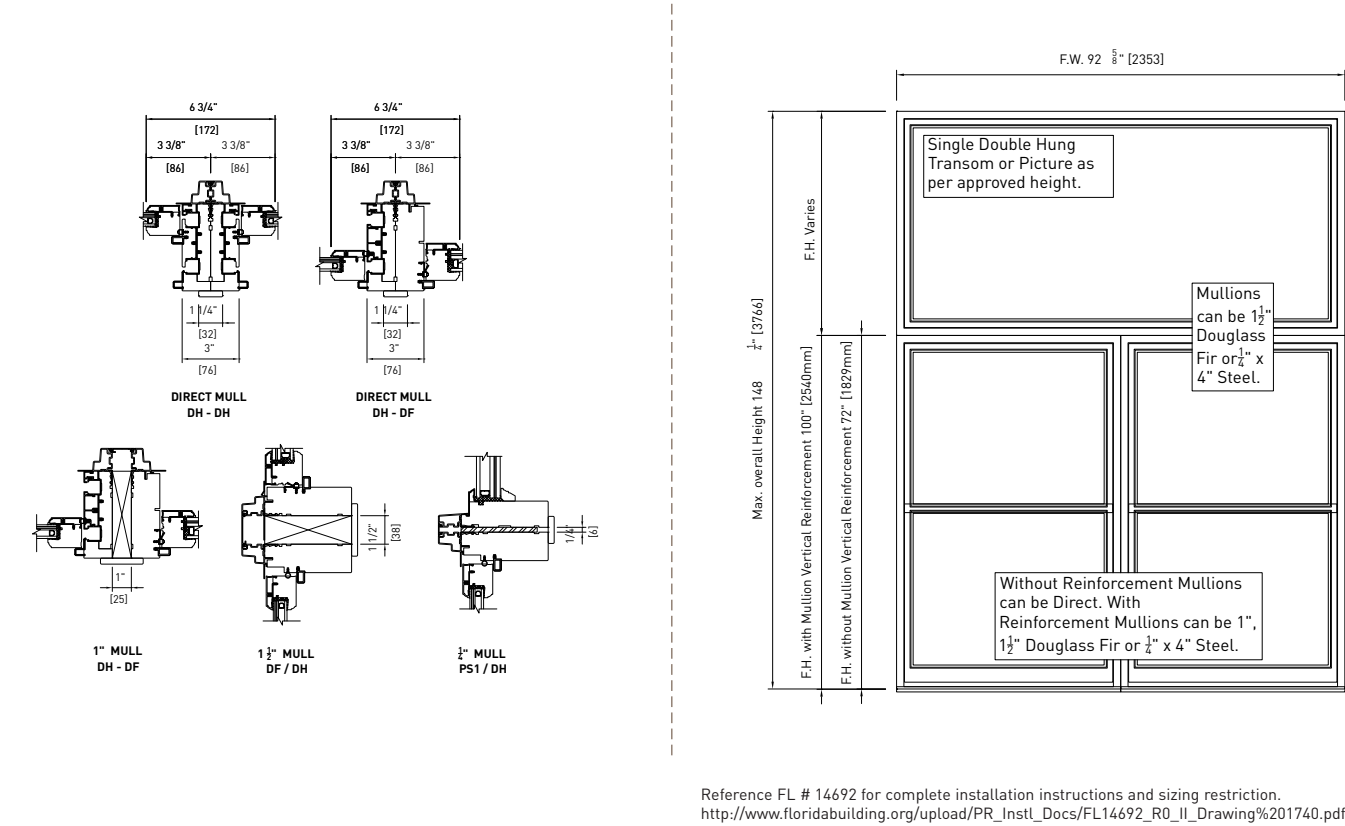
Note: • Other jamb widths available.
• All dimensions to have +/- 1/16" [2 mm] tolerance.

STORMFORCE DOUBLE HUNG WINDOW COMBINATIONS
MULLION DETAIL

ELEVATIONS



SECTION DETAIL (MULLION EXAMPLES)



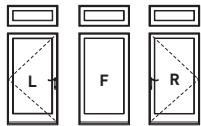
Reference FL # 14692 for complete installation instructions and sizing restriction.
http://www.floridabuilding.org/upload/PR_Instl_Docs/FL14692_R0_II_Drawing%201740.pdf

Note: • Other jamb widths available.
• All dimensions to have +/- 1/16" [2 mm] tolerance.

Information is subject to change without notice. | CAD Download: www.loewen.com/architect | Installation Instructions: www.loewen.com

NOTES

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STORMFORCE OUTSWING TERRACE
DOOR SIZES

Rough Opening			WIDTH						
			18 7/16"	24 3/8"	31 1/4"	34 1/2"	37 1/8"	41 1/16"	44 5/8"
			469	619	793	876	943	1043	1134
Frame			17 11/16"	23 5/8"	30 1/2"	33 3/4"	36 3/8"	40 5/16"	43 7/8"
			450	600	774	857	924	1024	1115
Visible Glass			7 3/16"	13 1/16"	19 15/16"	23 3/16"	25 13/16"	29 3/4"	33 3/8"
			182	332	506	589	656	756	847
16 5/16"	15 3/4"	9 11/16"	TDT1	TDT1	TDT1	TDT1	TDT1	TDT1	TDT1
415	400	246	0404	0604	0704	0804	0904	1004	1104
24 3/16"	23 5/8"	17 9/16"	TDT1	TDT1	TDT1	TDT1	TDT1	TDT1	TDT1
615	600	446	0406	0606	0706	0806	0906	1006	1106
80 1/8"	79 1/2"	63 7/8"	VTD1	VTD1	TD1	TD1	TD1	TD1	TD1
2035	2020	1623	0420	0620	0720	0820	0920	1020	1120
81 7/8"	81 5/16"	65 11/16"	VTD1	VTD1	TD1	TD1	TD1	TD1	TD1
2080	2065	1668	0421	0621	0721	0821	0921	1021	1121
86 9/16"	86"	70 3/8"	VTD1	VTD1	TD1	TD1	TD1	TD1	TD1
2199	2184	1787	0470	0670	0770	0870	0970	1070	1170
95 1/16"	94 1/2"	78 7/8"	VTD1	VTD1	TD1	TD1	TD1	TD1	TD1
2415	2400	2003	0424	0624	0724	0824	0924	1024	1124
99 5/8"	99 1/16"	83 7/16"			TD1	TD1	TD1	TD1	TD1
2531	2516	2119			0725	0825	0925	1025	1125
106 7/8"	106 5/16"	90 11/16"			TD1	TD1	TD1		
2715	2700	2303			0727	0827	0927		

PRODUCT CODE

GLASS SIZE = VISIBLE GLASS + 7/8" [22 MM]

S46

www.loewen.com | 1.800.563.9367 | STORMFORCE TERRACE DOORS

Standard Sizes Shown. Custom Sizes Available.

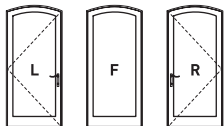
Note:

- SDL/Grille patterns are dependent on SDL/Grille type and window size. Please verify SDL/Grille patterns before confirming your order.
- Sizes are shown as Impact IG.

Transom Units

Venting or Fixed

Information is subject to change without notice. | CAD Download: www.loewen.com/architect | Installation Instructions: www.loewen.com



STORMFORCE OUTSWING CAMBERTOP TERRACE
DOOR SIZES

Rough Opening			WIDTH				
			31 1/4"	34 1/2"	37 1/8"	41 1/16"	44 5/8"
			793	876	943	1043	1134
Frame			30 1/2"	33 3/4"	36 3/8"	40 5/16"	43 7/8"
			774	857	924	1024	1115
Visible Glass			19 15/16"	23 3/16"	25 13/16"	29 3/4"	33 3/8"
			506	589	656	756	847
80 1/8"	79 1/2"	63 15/16"	CTTD1	CTTD1	CTTD1	CTTD1	CTTD1
2035	2020	1624	0720	0820	0920	1020	1120
81 7/8"	81 5/16"	65 11/16"	CTTD1	CTTD1	CTTD1	CTTD1	CTTD1
2080	2065	1668	0721	0821	0921	1021	1121
86 9/16"	86"	70 3/8"	CTTD1	CTTD1	CTTD1	CTTD1	CTTD1
2199	2184	1787	0770	0870	0970	1070	1170
95 1/16"	94 1/2"	78 7/8"	CTTD1	CTTD1	CTTD1	CTTD1	CTTD1
2415	2400	2003	0724	0824	0924	1024	1124
99 5/8"	99 1/16"	83 7/16"	CTTD1	CTTD1	CTTD1	CTTD1	CTTD1
2531	2516	2119	0725	0825	0925	1025	1125
106 7/8"	106 5/16"	90 11/16"	CTTD1	CTTD1	CTTD1		
2715	2700	2303	0727	0827	0927		

PRODUCT CODE

GLASS SIZE = VISIBLE GLASS + 7/8" [22 MM]

S47

www.loewen.com | 1.800.563.9367 | STORMFORCE TERRACE DOORS

Standard Sizes Shown. Custom Sizes Available.

Note:

- SDL/Grille patterns are dependent on SDL/Grille type and window size. Please verify SDL/Grille patterns before confirming your order.
- Sizes are shown as Impact IG.

Information is subject to change without notice. | CAD Download: www.loewen.com/architect | Installation Instructions: www.loewen.com



STORMFORCE OUTSWING QUARTER ROUND TERRACE DOOR SIZES

	WIDTH					
	Rough Opening					
	Frame			Visible Glass		
80 1/8" 2035	79 1/2" 2020	63 3/8" 1610	CTTD1 0720	CTTD1 0820		
81 7/8" 2080	81 5/16" 2065	65 3/16" 1655	CTTD1 0721	CTTD1 0821	CTTD1 0921	
86 9/16" 2199	86" 2184	69 7/8" 1774	CTTD1 0770	CTTD1 0870	CTTD1 0970	
95 1/16" 2415	94 1/2" 2400	78 3/8" 1990	CTTD1 0724	CTTD1 0824	CTTD1 0924	
99 5/8" 2531	99 1/16" 2516	82 15/16" 2106	CTTD1 0725	CTTD1 0825	CTTD1 0925	
106 7/8" 2715	106 5/16" 2700	90 3/16" 2290	CTTD1 0727	CTTD1 0827	CTTD1 0927	

PRODUCT CODE

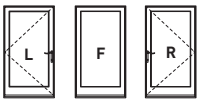
GLASS SIZE = VISIBLE GLASS + 7/8" (22 MM)

S48

Standard Sizes Shown. Custom Sizes Available.

- Note:
- SDL/Grille patterns are dependent on SDL/Grille type and window size. Please verify SDL/Grille patterns before confirming your order.
 - Sizes are shown as Impact IG.

Information is subject to change without notice. | CAD Download: www.loewen.com/architect | Installation Instructions: www.loewen.com



STORMFORCE INSWING TERRACE DOOR SIZES

	WIDTH					
	Rough Opening					
	Frame			Visible Glass		
80 1/8" 2035	79 1/2" 2020	63 7/8" 1623	TD1 0720	TD1 0820	TD1 0920	
81 7/8" 2080	81 5/16" 2065	65 11/16" 1668	TD1 0721	TD1 0821	TD1 0921	
86 9/16" 2199	86" 2184	70 3/8" 1787	TD1 0770	TD1 0870	TD1 0970	
95 1/16" 2415	94 1/2" 2400	78 7/8" 2003	TD1 0724	TD1 0824	TD1 0924	

PRODUCT CODE

GLASS SIZE = VISIBLE GLASS + 7/8" (22 MM)

S49

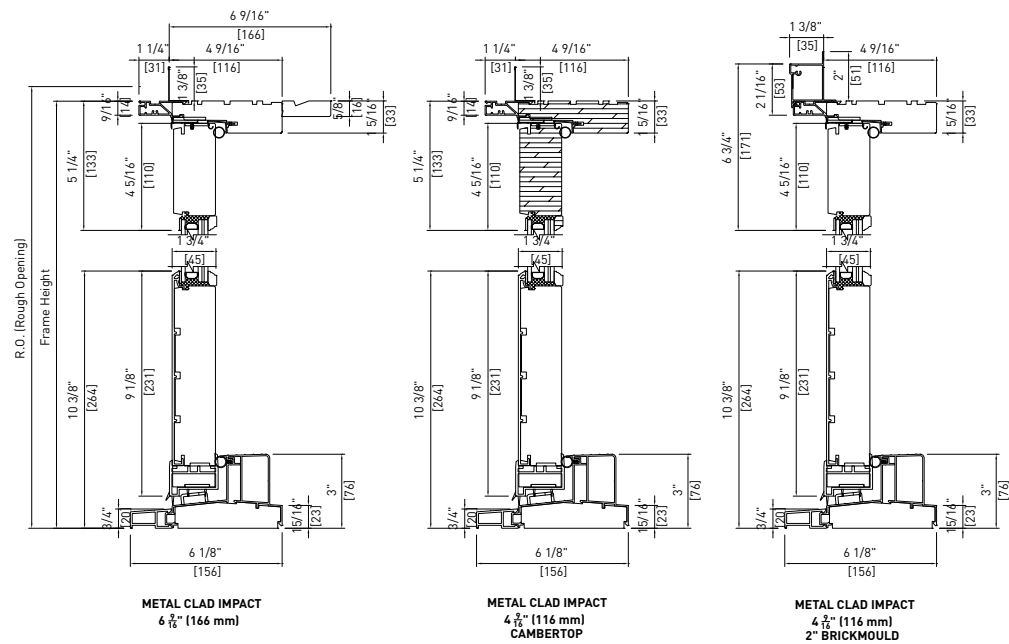
Standard Sizes Shown. Custom Sizes Available.

- Note:
- SDL/Grille patterns are dependent on SDL/Grille type and window size. Please verify SDL/Grille patterns before confirming your order.
 - Sizes are shown as Impact IG.

Information is subject to change without notice. | CAD Download: www.loewen.com/architect | Installation Instructions: www.loewen.com

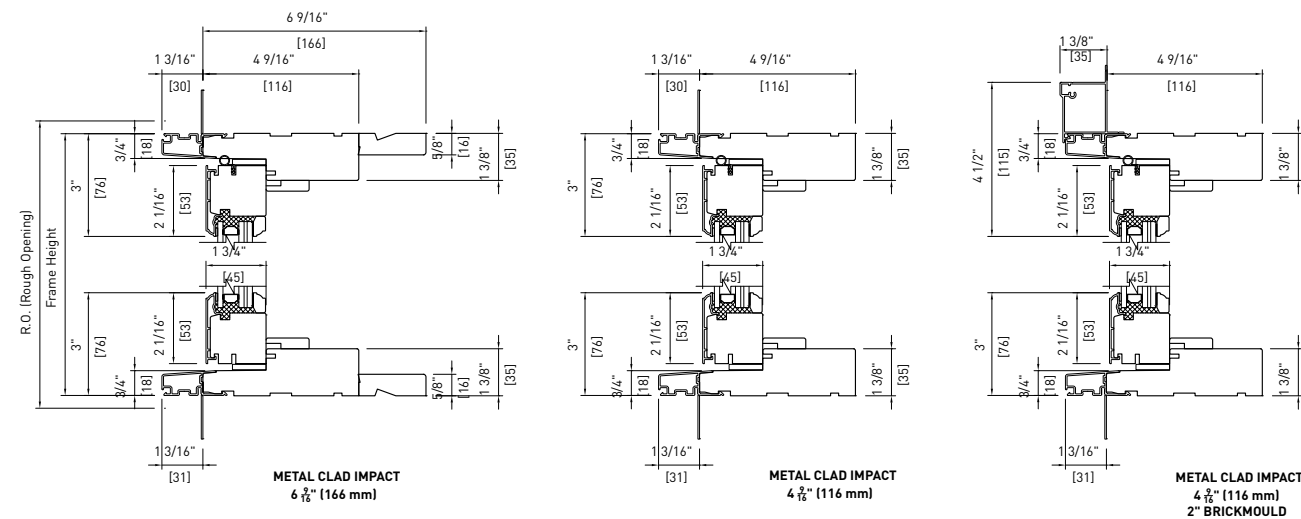
STORMFORCE OUTSWING TERRACE DOOR
DETAIL

HEAD & SILL DETAIL

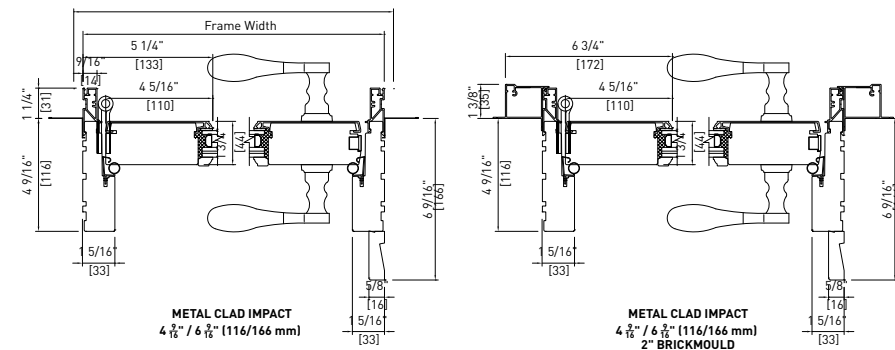


STORMFORCE TERRACE DOOR TRANSOM
DETAIL

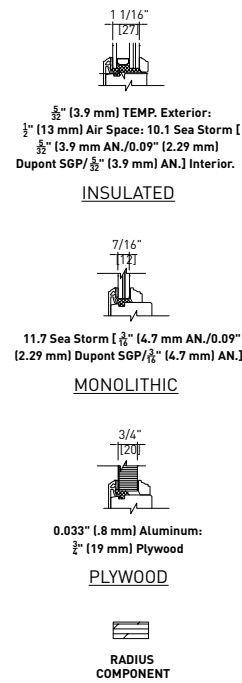
HEAD & SILL DETAIL



PLAN VIEW

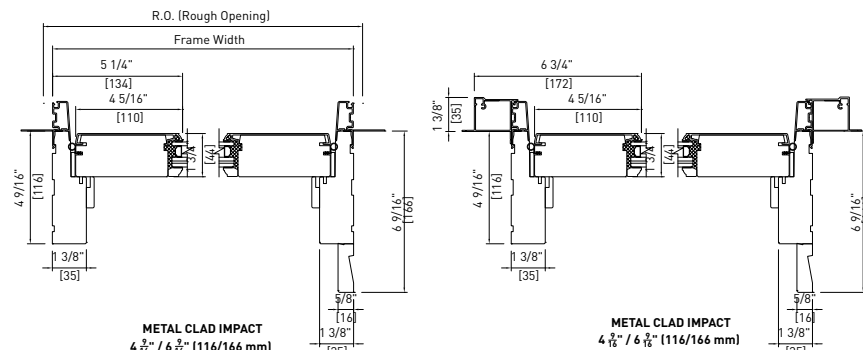


GLAZING DETAIL



Note: • Other jamb widths available.
• All dimensions to have +/- 1/16" [2 mm] tolerance.

PLAN VIEW



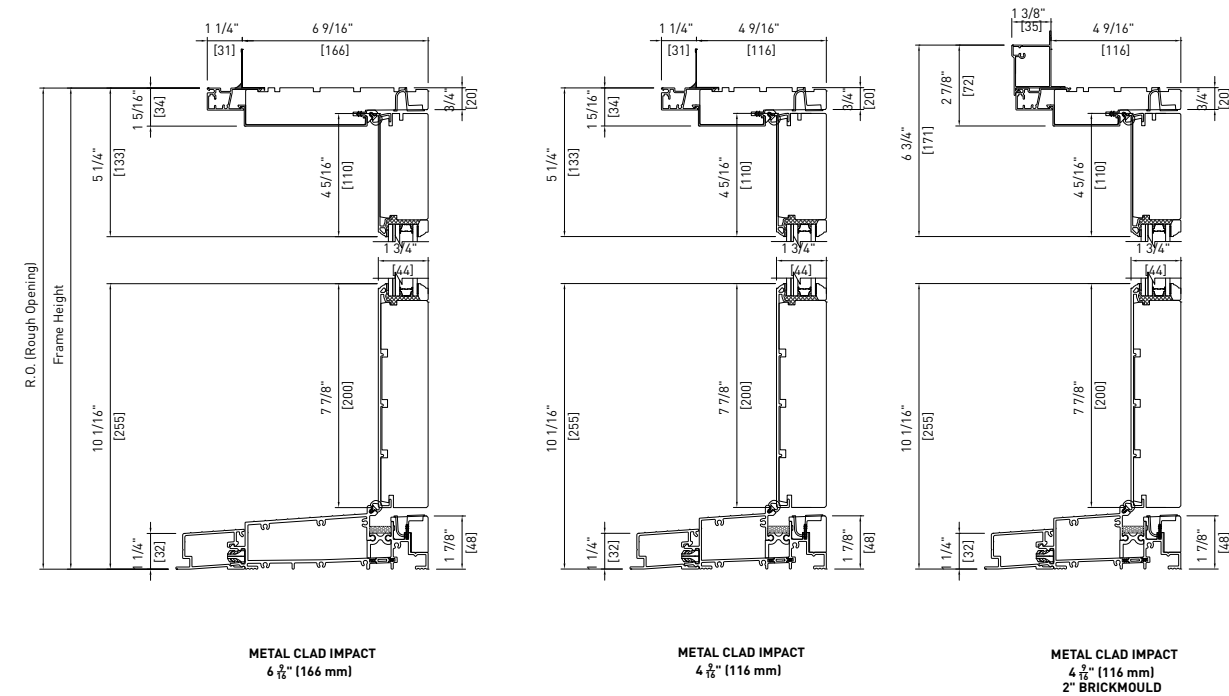
GLAZING DETAIL



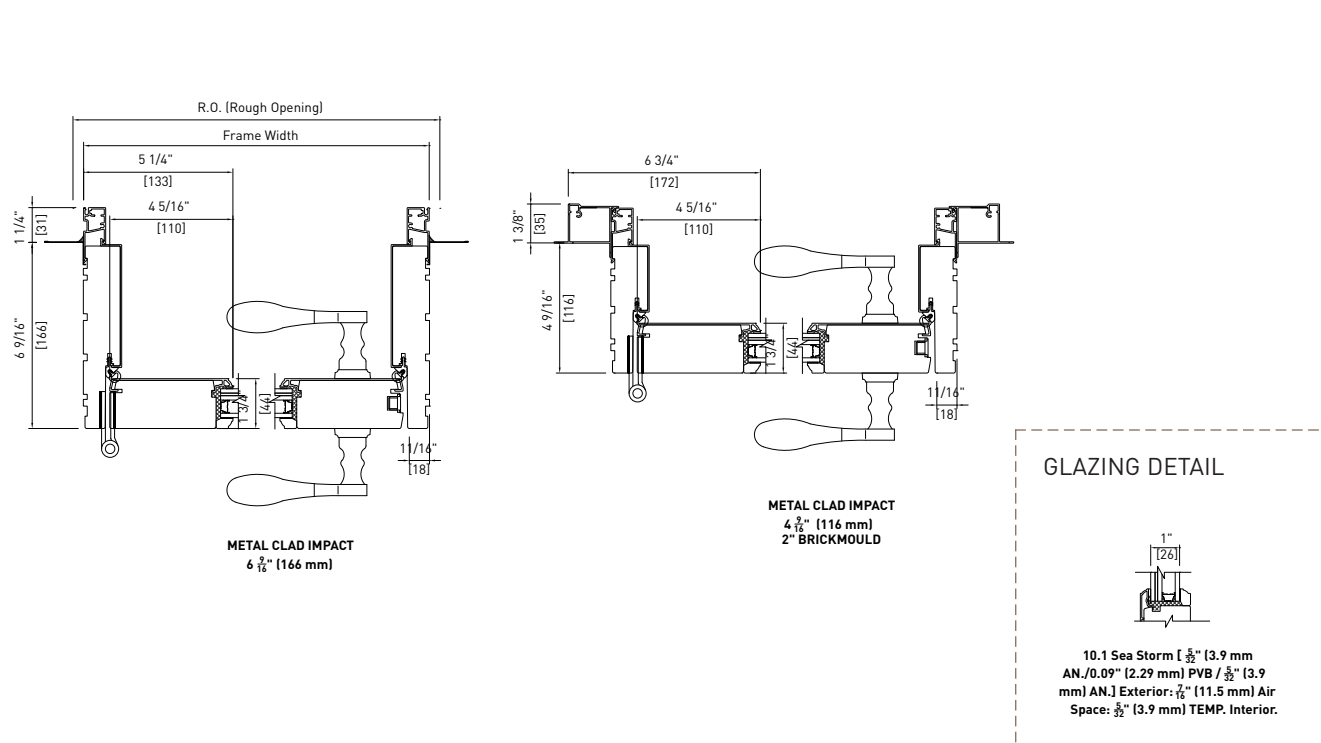
Note: • Other jamb widths available.
• All dimensions to have +/- 1/16" [2 mm] tolerance.

STORMFORCE INSWING TERRACE DOOR
DETAIL

HEAD & SILL DETAIL



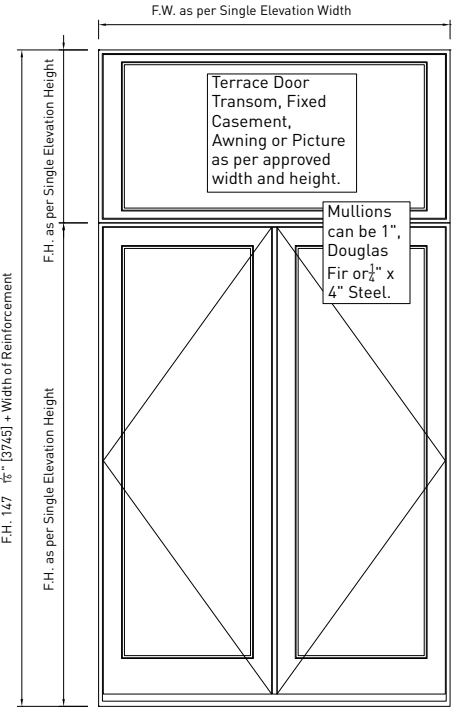
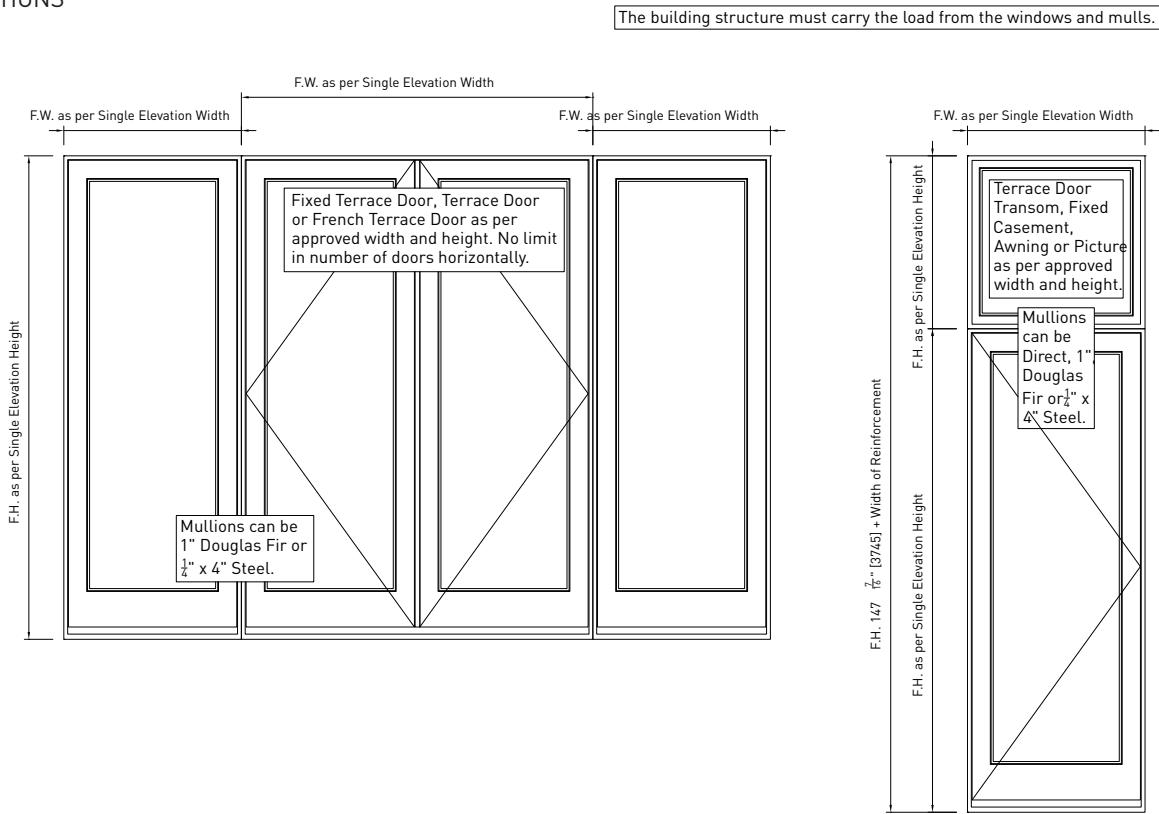
PLAN VIEW



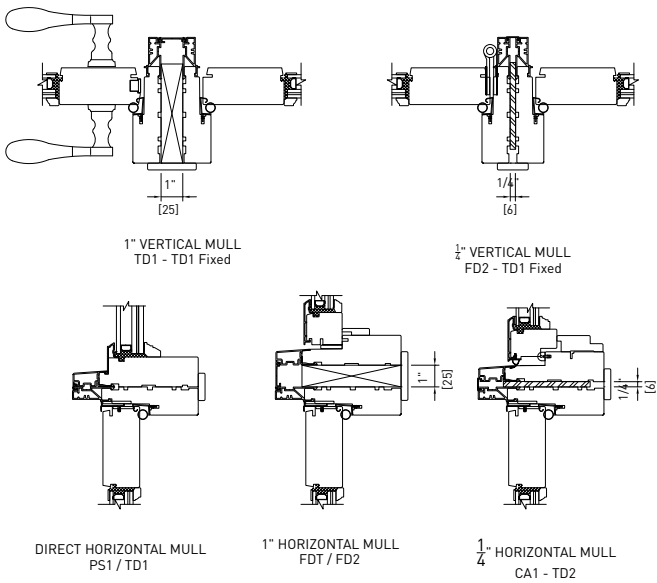
Note: • Other jamb widths available.
• All dimensions to have +/- 1/16" [2 mm] tolerance.

STORMFORCE OUTSWING TERRACE/FRENCH TERRACE DOOR
COMBINATIONS, MULLION DETAIL

ELEVATIONS

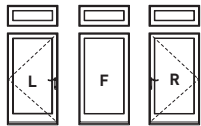


SECTION DETAIL (MULLION EXAMPLES)



Reference FL # 14369 for complete installation instructions and sizing restriction.
http://www.floridabuilding.org/upload/PR_Instl_Docs/FL14369_R1_IL_Drawing%201640A.pdf

Note: • Other jamb widths available.
• All dimensions to have +/- 1/16" [2 mm] tolerance.



STORMFORCE OUTSWING FRENCH TERRACE
DOOR SIZES

Rough Opening			WIDTH						
			47 1/4" 1200	60 15/16" 1548	67 1/2" 1714	72 3/4" 1848	80 5/8" 2048	87 13/16" 2230	
			46 1/2" 1181	60 3/16" 1529	66 3/4" 1695	72" 1829	79 7/8" 2029	87 1/16" 2211	
Frame			13 1/16" 332	19 15/16" 506	23 3/16" 589	25 13/16" 656	29 3/4" 756	33 3/8" 847	
Visible Glass			13 1/16" 332	19 15/16" 506	23 3/16" 589	25 13/16" 656	29 3/4" 756	33 3/8" 847	
HEIGHT	16 5/16" 415	15 3/4" 400	9 11/16" 246	FDT2 1204	FDT2 1504	FDT2 1604	FDT2 1804	FDT2 2004	FDT2 2204
	24 3/16" 615	23 5/8" 600	17 9/16" 446	FDT2 1206	FDT2 1506	FDT2 1606	FDT2 1806	FDT2 2006	FDT2 2206
	80 1/8" 2035	79 1/2" 2020	63 7/8" 1623	FD2 1220	FD2 1520	FD2 1620	FD2 1820	FD2 2020	FD2 2220
	81 7/8" 2080	81 5/16" 2065	65 11/16" 1668	FD2 1221	FD2 1521	FD2 1621	FD2 1821	FD2 2021	FD2 2221
	86 9/16" 2199	86" 2184	70 3/8" 1787	FD2 1270	FD2 1570	FD2 1670	FD2 1870	FD2 2070	FD2 2270
	95 1/16" 2415	94 1/2" 2400	78 7/8" 2003	FD2 1224	FD2 1524	FD2 1624	FD2 1824	FD2 2024	FD2 2224
	99 5/8" 2531	99 1/16" 2516	83 7/16" 2119	FD2 1225	FD2 1525	FD2 1625	FD2 1825	FD2 2025	FD2 2225
	106 7/8" 2715	106 5/16" 2700	90 11/16" 2303	FD2 1227	FD2 1527	FD2 1627	FD2 1827		
			PRODUCT CODE						

GLASS SIZE = VISIBLE GLASS + 7/8" (22 MM)

Standard Sizes Shown. Custom Sizes Available.

Note:

- SDL/Grille patterns are dependent on SDL/Grille type and window size. Please verify SDL/Grille patterns before confirming your order.
- Sizes are shown as Impact IG.

Transom Units

Information is subject to change without notice. | CAD Download: www.loewen.com/architect | Installation Instructions: www.loewen.com



STORMFORCE OUTSWING CAMBERTOP FRENCH TERRACE
DOOR SIZES

Rough Opening			WIDTH					
			47 1/4" 1200	60 15/16" 1548	67 1/2" 1714	72 3/4" 1848	80 5/8" 2048	87 13/16" 2230
			46 1/2" 1181	60 3/16" 1529	66 3/4" 1695	72" 1829	79 7/8" 2029	87 1/16" 2211
Frame			13 1/16" 332	19 15/16" 506	23 3/16" 589	25 13/16" 656	29 3/4" 756	33 3/8" 847
Visible Glass								
80 1/8" 2035	79 1/2" 2020	63 3/4" 1619	FD2 1220	FD2 1520	FD2 1620	FD2 1820	FD2 2020	FD2 2220
81 7/8" 2080	81 5/16" 2065	65 1/2" 1664	FD2 1221	FD2 1521	FD2 1621	FD2 1821	FD2 2021	FD2 2221
86 9/16" 2199	86" 2184	70 3/16" 1783	FD2 1270	FD2 1570	FD2 1670	FD2 1870	FD2 2070	FD2 2270
95 1/16" 2415	94 1/2" 2400	78 3/4" 1999	FD2 1224	FD2 1524	FD2 1624	FD2 1824	FD2 2024	FD2 2224
99 5/8" 2531	99 1/16" 2516	83 5/16" 2115	FD2 1225	FD2 1525	FD2 1625	FD2 1825	FD2 2025	FD2 2225
106 7/8" 2715	106 5/16" 2700	90 1/2" 2299	FD2 1227	FD2 1527	FD2 1627	FD2 1827		
			PRODUCT CODE					

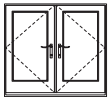
GLASS SIZE = VISIBLE GLASS + 7/8" (22 MM)

Standard Sizes Shown. Custom Sizes Available.

Note:

- SDL/Grille patterns are dependent on SDL/Grille type and window size. Please verify SDL/Grille patterns before confirming your order.
- Sizes are shown as Impact IG.

Information is subject to change without notice. | CAD Download: www.loewen.com/architect | Installation Instructions: www.loewen.com



STORMFORCE INSWING FRENCH TERRACE DOOR SIZES

LRA OR LAR

				WIDTH			
Rough Opening				47 1/4" 1200	60 15/16" 1548	67 1/2" 1714	72 3/4" 1848
Frame				46 1/2" 1181	60 3/16" 1529	66 3/4" 1695	72" 1829
Visible Glass				13 1/16" 332	19 15/16" 506	23 3/16" 589	25 13/16" 656
HEIGHT	80 1/8" 2035	79 1/2" 2020	63 7/8" 1623	FD2 1220	FD2 1520	FD2 1620	FD2 1820
	81 7/8" 2080	81 5/16" 2065	65 11/16" 1668	FD2 1221	FD2 1521	FD2 1621	FD2 1821
	86 9/16" 2199	86" 2184	70 3/8" 1787	FD2 1270	FD2 1570	FD2 1670	FD2 1870
	95 1/16" 2415	94 1/2" 2400	78 7/8" 2003	FD2 1224	FD2 1524	FD2 1624	FD2 1824

GLASS SIZE = VISIBLE GLASS + 7/8" [22 MM]

PRODUCT CODE

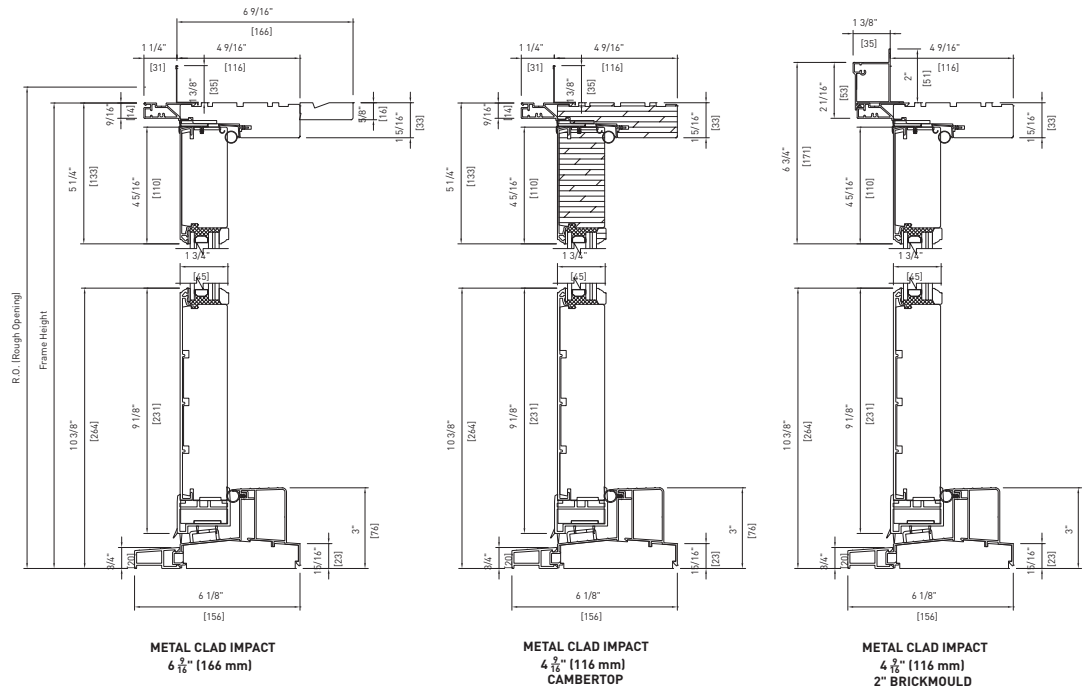
Standard Sizes Shown. Custom Sizes Available.

Note: • SDL/Grille patterns are dependent on SDL/Grille type and window size. Please verify SDL/Grille patterns before confirming your order.
• Sizes are shown as Impact IG.

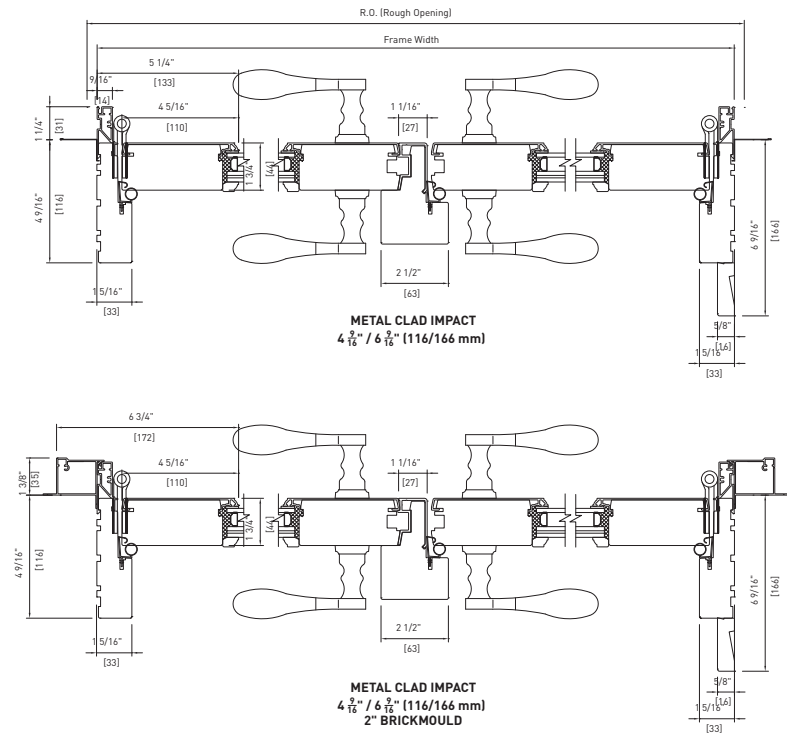
Information is subject to change without notice. | CAD Download: www.loewen.com/architect | Installation Instructions: www.loewen.com

STORMFORCE OUTSWING FRENCH TERRACE DOOR DETAIL

HEAD & SILL DETAIL



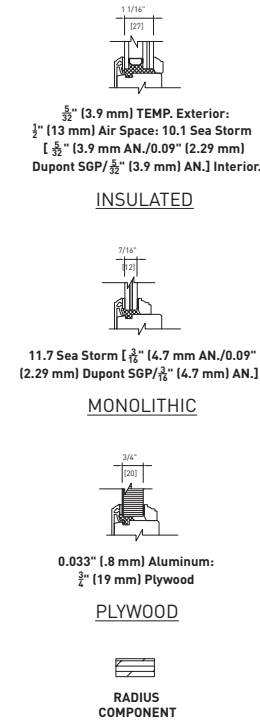
PLAN VIEW



Note: • Other jamb widths available.
• All dimensions to have +/- 1/16" [2 mm] tolerance.

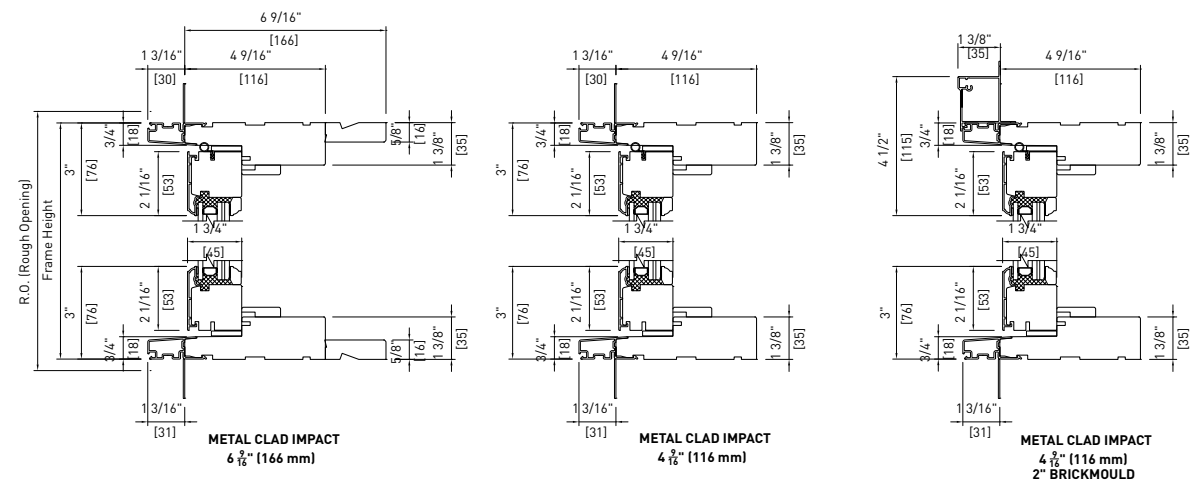
Information is subject to change without notice. | CAD Download: www.loewen.com/architect | Installation Instructions: www.loewen.com

GLAZING DETAIL

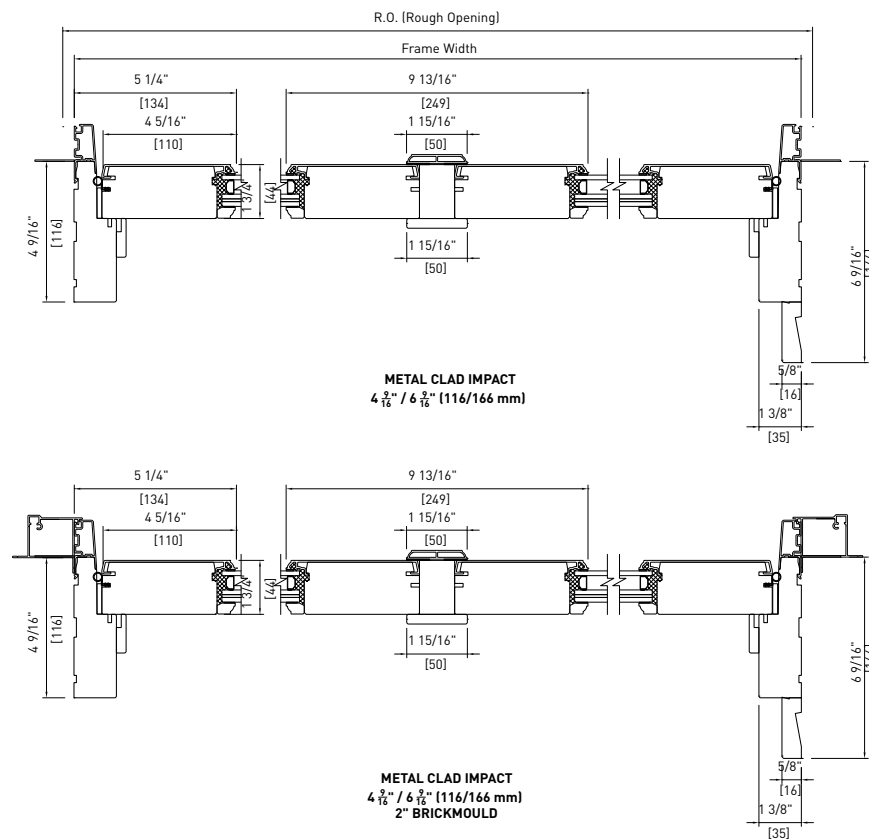


STORMFORCE FRENCH TERRACE DOOR TRANSOM
DETAIL

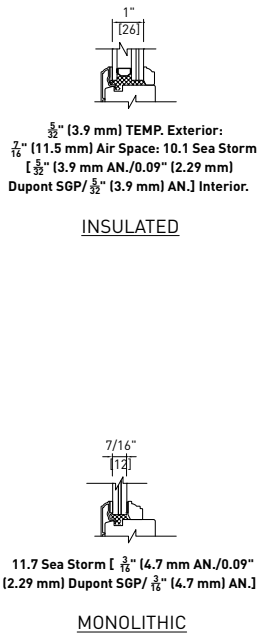
HEAD & SILL DETAIL



PLAN VIEW



GLAZING DETAIL



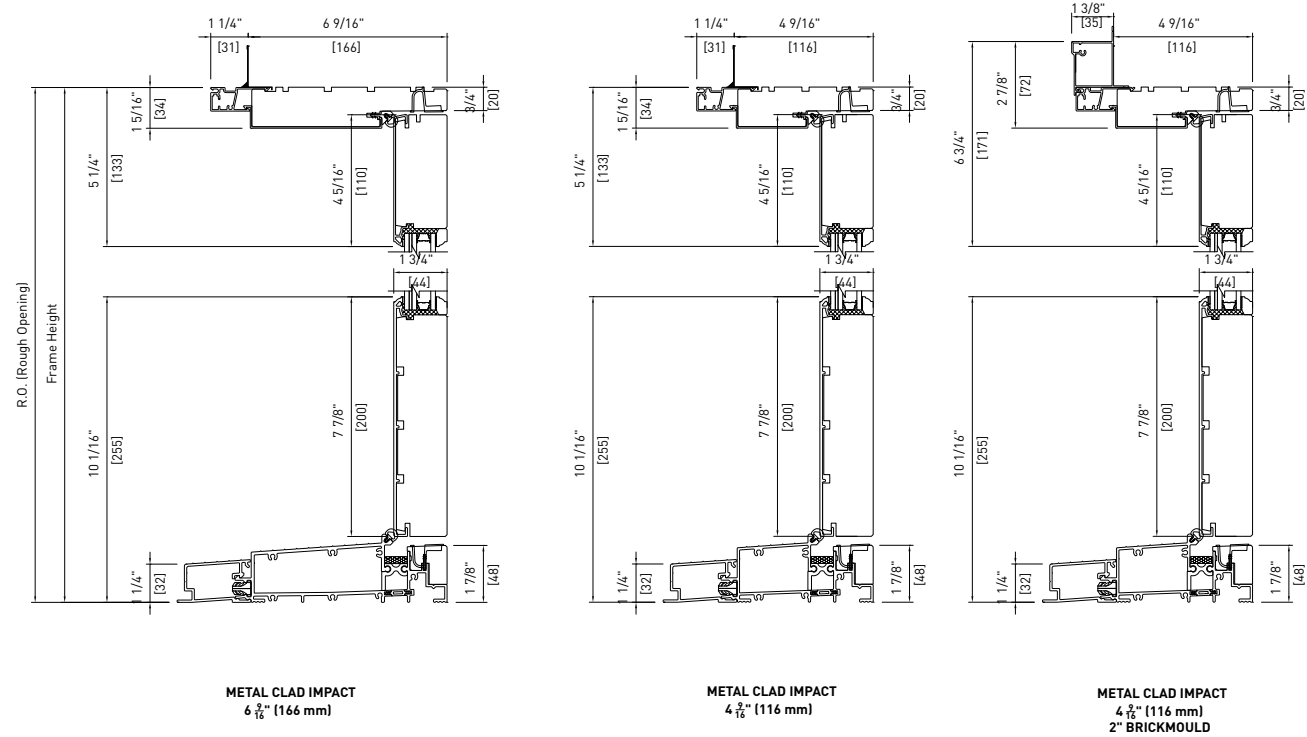
Standard Sizes Shown. Custom Sizes Available.

Note: • SDL/Grille patterns are dependent on SDL/Grille type and window size. Please verify SDL/Grille patterns before confirming your order.
• Sizes are shown as Impact IG.

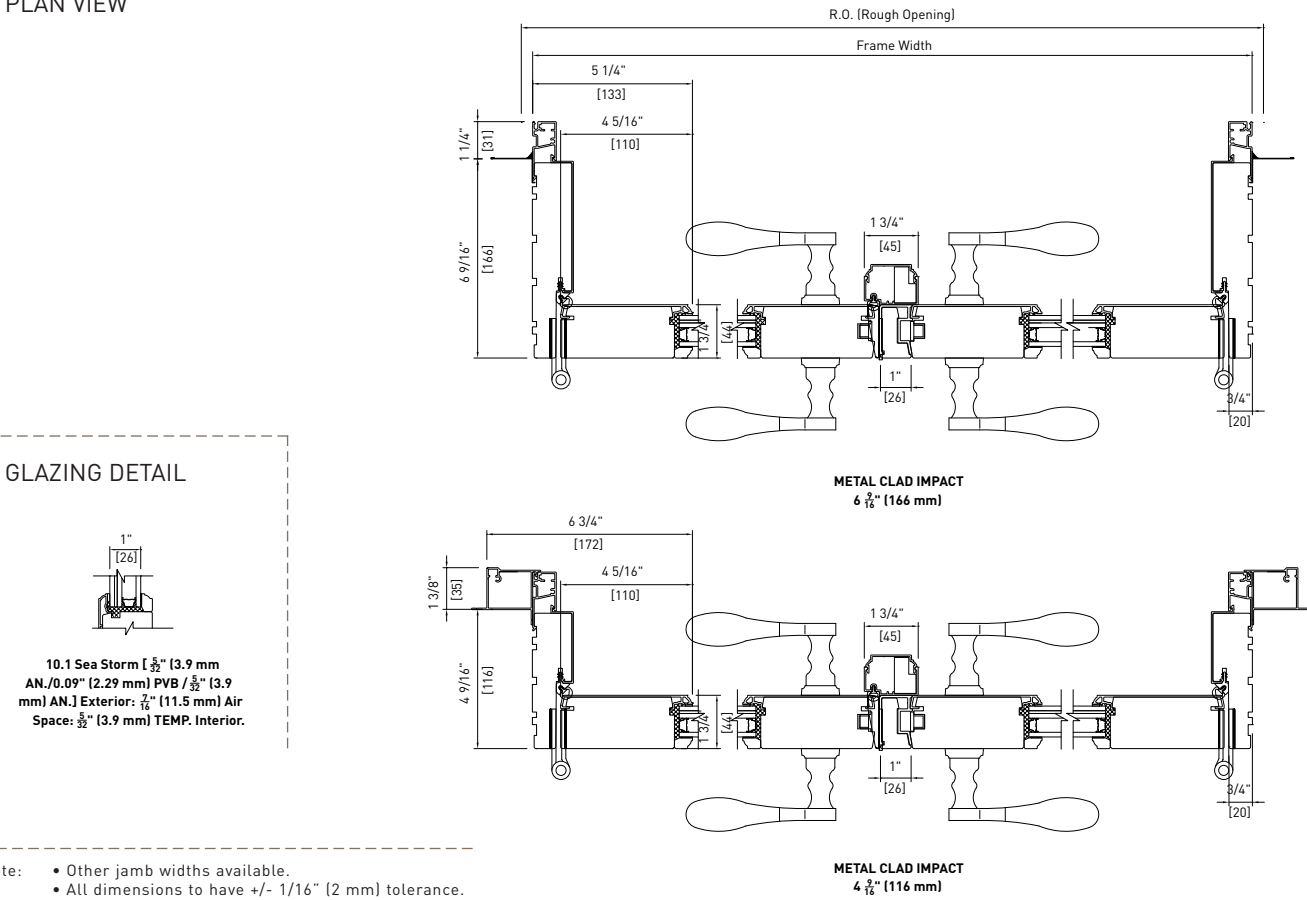
Information is subject to change without notice. | CAD Download: www.loewen.com/architect | Installation Instructions: www.loewen.com

STORMFORCE INSWING FRENCH TERRACE DOOR
DETAIL

HEAD & SILL DETAIL

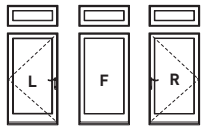


PLAN VIEW



Note: • Other jamb widths available.
• All dimensions to have +/- 1/16\"/>

Information is subject to change without notice. | CAD Download: www.loewen.com/architect | Installation Instructions: www.loewen.com



STORMFORCE OUTSWING 10' TERRACE/FRENCH TERRACE DOOR SIZES

Rough Opening		WIDTH							
		31 1/4"	34 1/2"	38 5/8"	47 1/4"	60 15/16"	67 1/2"	75 3/4"	
		793	876	981	1200	1548	1714	1924	
Frame		30 1/2"	33 3/4"	37 7/8"	46 1/2"	60 3/16"	66 3/4"	75"	
		774	857	962	1181	1529	1695	1905	
Visible Glass		19 15/16"	23 3/16"	24 1/4"	13 1/16"	19 15/16"	23 3/16"	24 1/4"	
		506	589	616	332	506	589	616	
HEIGHT	124"	123 7/16"	106 1/4"	TD1	TD1	TD1			
	3150	3135	2699	0732	0832	0932			
	124"	123 7/16"	106 1/4"				FD2	FD2	FD2
	3150	3135	2699				1232	1532	1632
							1832		

GLASS SIZE = VISIBLE GLASS + 7/8" (22 MM)

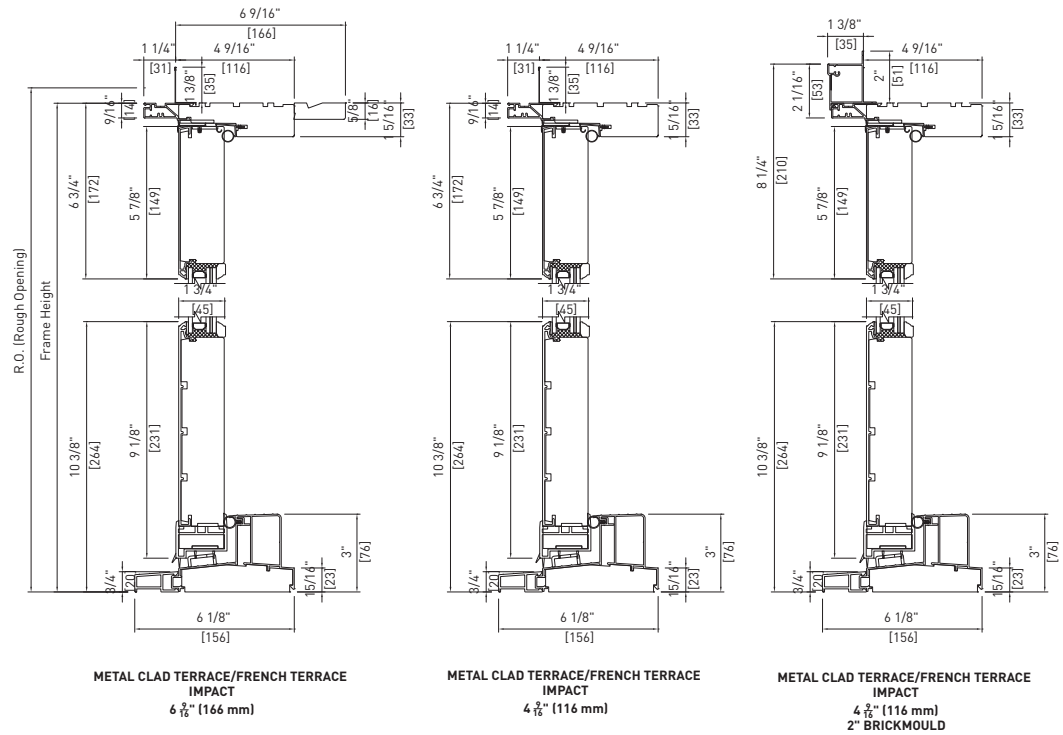
PRODUCT CODE

Note: • Other jamb widths available.
• All dimensions to have +/- 1/16" (2 mm) tolerance.

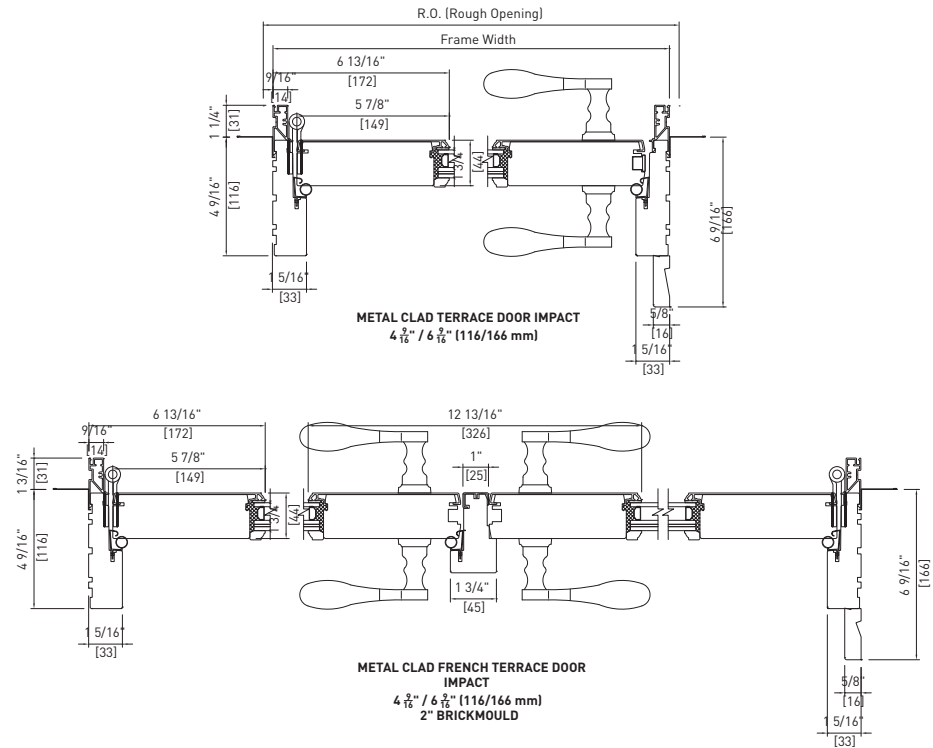
Information is subject to change without notice. | CAD Download: www.loewen.com/architect | Installation Instructions: www.loewen.com

STORMFORCE OUTSWING 10' TERRACE/FRENCH TERRACE DOOR DETAIL

HEAD & SILL DETAIL



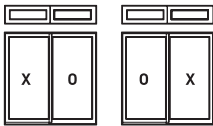
PLAN VIEW



Reference FL # 14369 for complete installation instructions and sizing restriction.
http://www.floridabuilding.org/upload/PR_Instl_Docs/FL14369_R1_II_Drawing%201640A.pdf

Note: • Other jamb widths available.
• All dimensions to have +/- 1/16" (2 mm) tolerance.

Information is subject to change without notice. | CAD Download: www.loewen.com/architect | Installation Instructions: www.loewen.com



STORMFORCE PATIO DOOR 2 WIDE
DOOR SIZES

	WIDTH					
	Rough Opening					
	Frame	Visible Glass				
				59 13/16" 1519	71 5/8" 1819	95 1/4" 2419
				59 1/16" 1500	70 7/8" 1800	94 1/2" 2400
				24 1/8" 612	30" 762	41 13/16" 1062
80 1/8" 2035	79 1/2" 2020	70 1/2" 1790	WP2 1520	WP2 1820	WP2 2420	
81 7/8" 2080	81 5/16" 2065	72 1/4" 1835	WP2 1568	WP2 1868	WP2 2468	
83 1/4" 2115	82 11/16" 2100	73 5/8" 1870	WP2 1521	WP2 1821	WP2 2421	
86 9/16" 2199	86" 2184	76 15/16" 1954	WP2 1570	WP2 1870	WP2 2470	
95 1/16" 2415	94 1/2" 2400	85 7/16" 2170	WP2 1524	WP2 1824	WP2 2424	

PRODUCT CODE

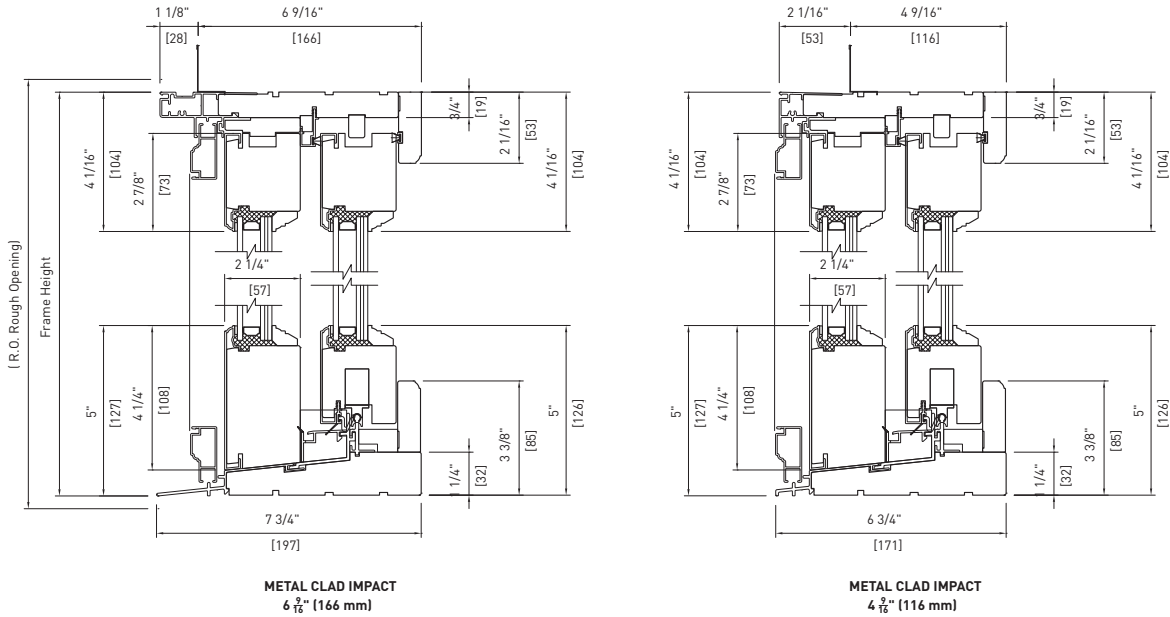
GLASS SIZE = VISIBLE GLASS + 7/8" [22 MM]

Note: • SDL/Grille patterns are dependent on SDL/Grille type and window size. Please verify SDL/Grille patterns before confirming your order.
• O = Fixed, X = Operating

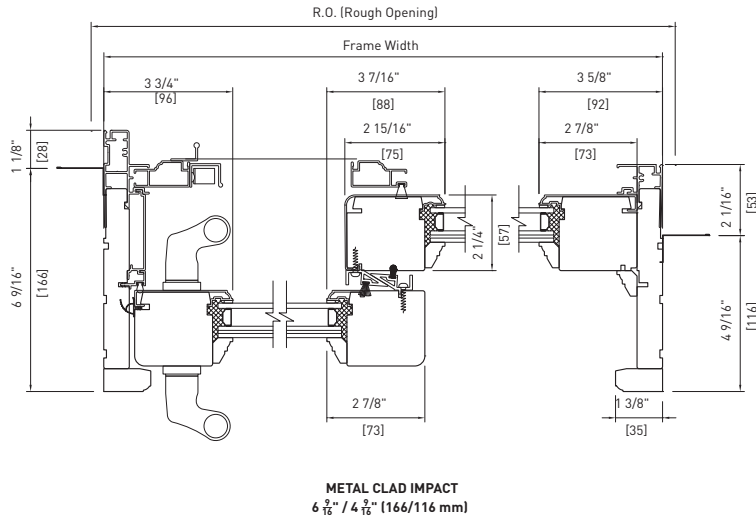
Information is subject to change without notice. | CAD Download: www.loewen.com/architect | Installation Instructions: www.loewen.com

STORMFORCE PATIO DOOR
DETAIL

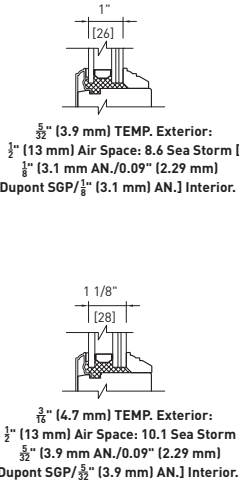
HEAD & SILL DETAIL



PLAN VIEW



GLAZING DETAIL



Note: • SDL/Grille patterns are dependent on SDL/Grille type and window size. Please verify SDL/Grille patterns before confirming your order.
• O = Fixed, X = Operating

Information is subject to change without notice. | CAD Download: www.loewen.com/architect | Installation Instructions: www.loewen.com



STORMFORCE FRENCH PATIO DOOR 2 WIDE
DOOR SIZES

Rough Opening			WIDTH		
			59 13/16"	71 5/8"	95 1/4"
			1519	1819	2419
Frame			59 1/16"	70 7/8"	94 1/2"
			1500	1800	2400
Visible Glass			21 13/16"	27 1/16"	38 7/8"
			538	688	988
HEIGHT	80 1/8"	79 1/2"	64"	FP2	FP2
	2035	2020	1626	1520	2420
	81 7/8"	81 5/16"	65 13/16"	FP2	FP2
	2080	2065	1671	1568	2468
	83 1/4"	82 11/16"	67 3/16"	FP2	FP2
	2115	2100	1706	1521	2421
	86 9/16"	86"	70 1/2"	FP2	FP2
	2199	2184	1790	1570	2470
	95 1/16"	94 1/2"	79"	FP2	FP2
	2415	2400	2006	1524	2424
	106 7/8"	106 5/16"	90 13/16"	FP2	FP2
	2715	2700	2306	1527	2427
			PRODUCT CODE		

GLASS SIZE = VISIBLE GLASS + 7/8" (22 MM)

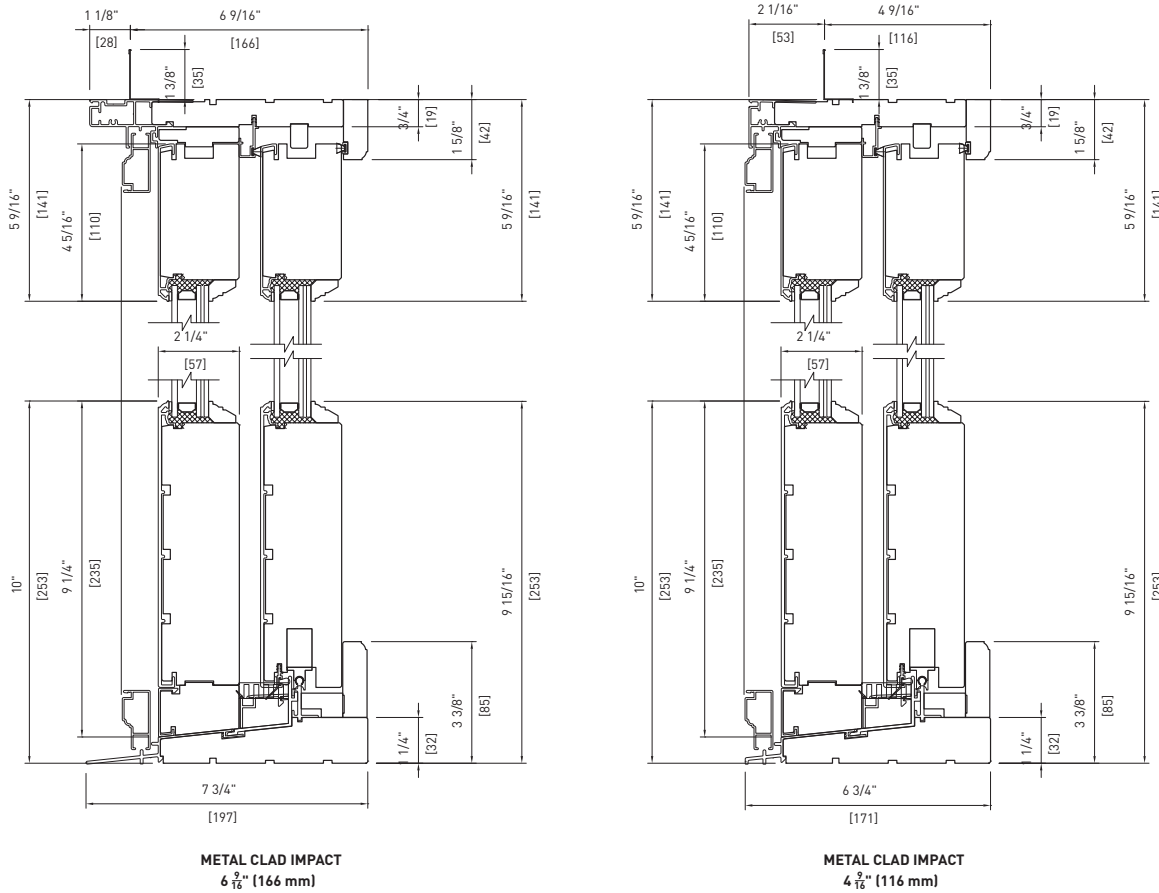
S64

Note: • Other jamb widths available.
• All dimensions to have +/- 1/16" (2 mm) tolerance.

Information is subject to change without notice. | CAD Download: www.loewen.com/architect | Installation Instructions: www.loewen.com

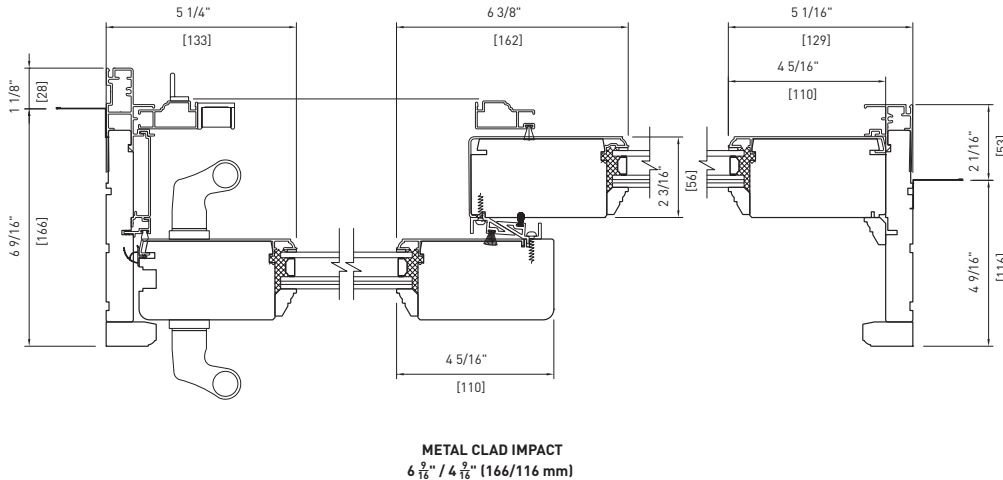
STORMFORCE FRENCH PATIO DOOR 2 WIDE
DOOR SIZES

HEAD & SILL DETAIL

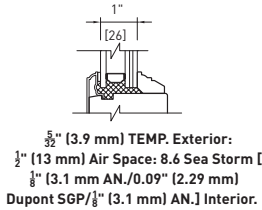


S65

PLAN VIEW



GLAZING DETAIL



Note: • Other jamb widths available.
• All dimensions to have +/- 1/16" (2 mm) tolerance.

Information is subject to change without notice. | CAD Download: www.loewen.com/architect | Installation Instructions: www.loewen.com

STORMFORCE LIFTSLIDE STACKING DOOR SIZES

		WIDTH					MAXIMUM WIDTH				
Rough Opening		73" 1859	106" 2692	139" 3531	172" 4369	205" 5207	121" 3074	178 1/16" 4497	235 1/16" 5970	292 1/16" 7419	349 1/16" 8867
System		72" 1829	105" 2667	138" 3505	171" 4343	204" 5182	120" 3049	177 1/16" 4497	234 1/16" 5945	291 1/16" 7393	348 1/16" 8841
Panel		36" 914	36" 914	36" 914	36" 914	36" 914	60" 1524	60" 1524	60" 1524	60" 1524	60" 1524
Jamb		8 1/16" 204	11 7/8" 302	15 3/4" 400	19 5/8" 498	23 7/16" 596	8 1/16" 204	11 7/8" 302	15 3/4" 400	19 5/8" 498	23 7/16" 596
88 7/16" 52246	87 7/16" 2221	84" 2134		OX XO	OXX XXO	OXXX XXXO	OX XO	OXX XXO	OXXX XXXO	OXXXX XXXXO	OXXXXX XXXXXO
100 7/16" 2551	99 7/16" 2526	96" 2438		OX XO	OXX XXO	OXXX XXXO	OX XO	OXX XXO	OXXX XXXO	OXXXX XXXXO	OXXXXX XXXXXO
112 7/16" 2856	111 7/16" 2831	108" 2743		OX XO	OXX XXO	OXXX XXXO	OX XO	OXX XXO	OXXX XXXO	OXXXX XXXXO	OXXXXX XXXXXO
124 7/16" 3161	123 7/16" 3135	120" 3048		OX XO	OXX XXO	OXXX XXXO	OX XO	OXX XXO	OXXX XXXO	OXXXX XXXXO	OXXXXX XXXXXO
*144" 3658	143" 3632	139 9/16" 3545		OX XO	OXX XXO	OXXX XXXO	OX XO	OXX XXO	OXXX XXXO	OXXXX XXXXO	OXXXXX XXXXXO
		PRODUCT CODE									

GLASS SIZE = VISIBLE GLASS + 1 3/8" (35 MM)

Custom Sizes Available.

Note:

- Sizes shown are typical details.
- Additional sizes and configurations available.
- Screen options may be available depending on size and configuration.
- Raised threshold available with a maximum of 6 panels per sill (12 in a bi-parting configuration; 2 per track).
- Consult your Authorized Dealer for details.
- All dimensions to have +/- 1/16" (2 mm) tolerance.
- O = Fixed, X = Operating, P = Pocketing
- The preparation of the rough opening for large openings such as those required by, but not limited to, LiftSlide doors have unique requirements. Structural headers that allow for deflection no greater than 1/8" along the unsupported length once the header is fully loaded are required. Special care needs to be taken when installing any unit including transoms above such large opening units. Loewen is not responsible for site measurements or the determination of structural and architectural requirements for the installation of large opening products such as but not limited to, Liftslide doors. Site specifications are the responsibility of building professionals or engineers to determine.

See Chart for Allowable DP

DP 70 Allowable

(See Cross Sections for Sill Riser Restrictions)

*Maximum Height

STORMFORCE LIFTSLIDE BI-PARTING DOOR SIZES

		WIDTH					MAXIMUM WIDTH				
Rough Opening		142 3/16" 3612	208 3/16" 5288	274 3/16" 6964	340 3/16" 8641	406 3/16" 10317	238 1/4" 6051	352 1/4" 8948	466 5/16" 11844	580 5/16" 14740	694 3/8" 17637
System		141 3/16" 3586	207 3/16" 5263	273 3/16" 6939	339 3/16" 8615	405 3/16" 5182	237 1/4" 6026	351 1/4" 8922	465 5/16" 11819	579 5/16" 14715	693 3/8" 17611
Panel		36" 914	36" 914	36" 914	36" 914	36" 914	60" 1524	60" 1524	60" 1524	60" 1524	60" 1524
Jamb		8 1/16" 204	11 7/8" 302	15 3/4" 400	19 5/8" 498	23 7/16" 596	8 1/16" 204	11 7/8" 302	15 3/4" 400	19 5/8" 498	23 7/16" 596
88 7/16" 52246	87 7/16" 2221	84" 2134		OX-XO	OXX-XXO	OXXX-XXXO	OX-XO	OXX-XXO	OXXX-XXXO	OXXXX-XXXXO	OXXXXX-XXXXXO
100 7/16" 2551	99 7/16" 2526	96" 2438		OX-XO	OXX-XXO	OXXX-XXXO	OX-XO	OXX-XXO	OXXX-XXXO	OXXXX-XXXXO	OXXXXX-XXXXXO
112 7/16" 2856	111 7/16" 2831	108" 2743		OX-XO	OXX-XXO	OXXX-XXXO	OX-XO	OXX-XXO	OXXX-XXXO	OXXXX-XXXXO	OXXXXX-XXXXXO
124 7/16" 3161	123 7/16" 3135	120" 3048		OX-XO	OXX-XXO	OXXX-XXXO	OX-XO	OXX-XXO	OXXX-XXXO	OXXXX-XXXXO	OXXXXX-XXXXXO
*144" 3658	143" 3632	139 9/16" 3545		OX-XO	OXX-XXO	OXXX-XXXO	OX-XO	OXX-XXO	OXXX-XXXO	OXXXX-XXXXO	OXXXXX-XXXXXO
		PRODUCT CODE									

GLASS SIZE = VISIBLE GLASS + 1 3/8" (35 MM)

Standard Sizes Shown. Custom Sizes Available.

Note:

- Sizes shown are typical details.
- Additional sizes and configurations available.
- Screen options may be available depending on size and configuration.
- Raised threshold available with a maximum of 6 panels per sill (12 in a bi-parting configuration; 2 per track).
- Consult your Authorized Dealer for details.
- All dimensions to have +/- 1/16" (2 mm) tolerance.
- O = Fixed, X = Operating, P = Pocketing
- The preparation of the rough opening for large openings such as those required by, but not limited to, LiftSlide doors have unique requirements. Structural headers that allow for deflection no greater than 1/8" along the unsupported length once the header is fully loaded are required. Special care needs to be taken when installing any unit including transoms above such large opening units. Loewen is not responsible for site measurements or the determination of structural and architectural requirements for the installation of large opening products such as but not limited to, Liftslide doors. Site specifications are the responsibility of building professionals or engineers to determine.

See Chart for Allowable DP

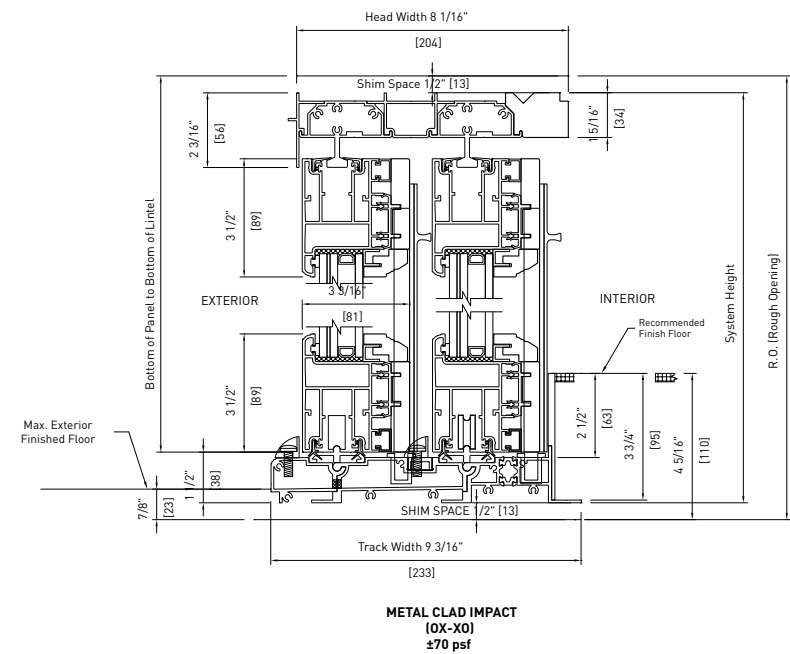
DP 70 Allowable

(See Cross Sections for Sill Riser Restrictions)

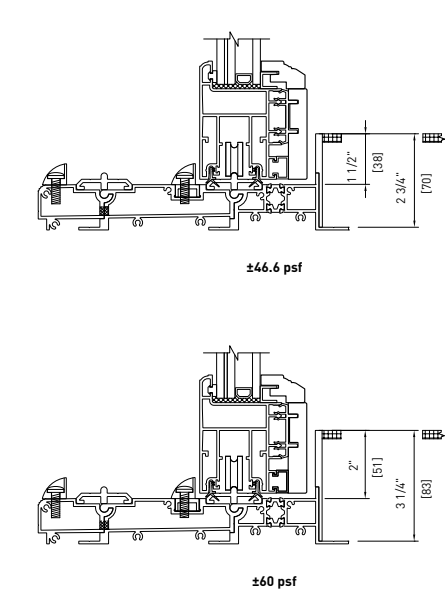
*Maximum Height

STORMFORCE LIFTSLIDE DOOR JAMB
DETAIL

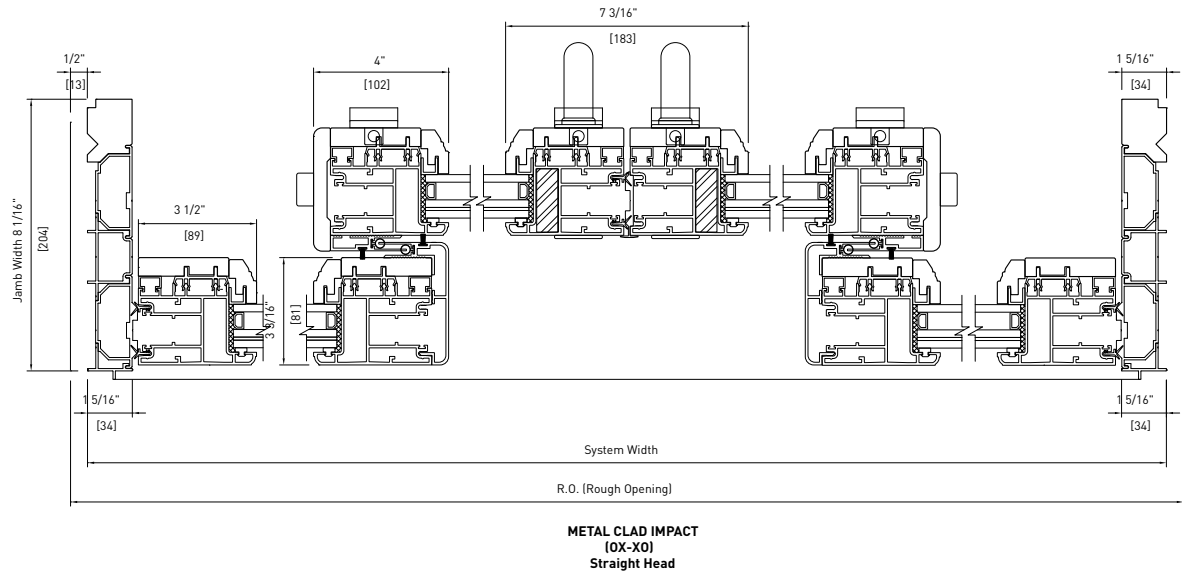
HEAD & SILL DETAIL



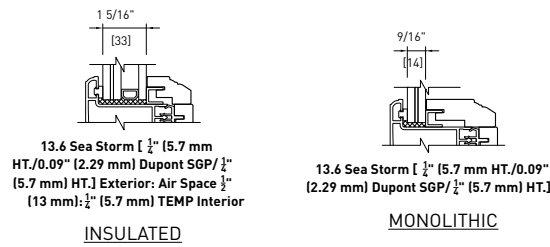
OPTIONAL RISERS



PLAN VIEW



GLAZING DETAILS



Note: • Other configurations available.
• All dimensions to have +/- 1/16" [2 mm] tolerance.

Information is subject to change without notice. | CAD Download: www.loewen.com/architect | Installation Instructions: www.loewen.com

NOTES

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STORMFORCE LIFTSLIDE STACKING WITH POCKET DOOR SIZES

			WIDTH						MAXIMUM WIDTH					
Rough Opening			39 11/16" 1008	72 5/8" 1845	105 5/8" 2683	138 5/8" 3521	171 5/8" 4360	204 5/8" 5198	63 11/16" 1618	120 11/16" 3065	177 11/16" 4513	234 11/16" 5961	291 11/16" 7410	348 3/4" 8858
System			79" 2007	112" 2844	144 15/16" 3682	177 15/16" 4520	211" 5359	244" 6197	127" 3226	184" 4674	241" 6122	298 1/16" 7570	355 1/16" 9019	412 1/16" 10467
Panel			36" 914	36" 914	36" 914	36" 914	36" 914	36" 914	60" 1524	60" 1524	60" 1524	60" 1524	60" 1524	60" 1524
Jamb			8 1/8" 206	9 11/16" 246	13 1/2" 343	17 3/8" 442	21 1/4" 539	25 1/16" 637	8 1/8" 206	9 11/16" 246	13 9/16" 344	17 3/8" 442	21 1/4" 539	25 1/16" 637
Pocket			7 1/16" 179	9 5/8" 245	13 9/16" 344	17 3/8" 441	21 3/16" 538	25 1/16" 636	7 1/16" 179	9 5/8" 245	13 9/16" 344	17 3/8" 441	21 3/16" 538	25 1/16" 636
88 7/16" 52246	87 7/16" 2221	84" 2134	PX XP	PXX XXP	PXXX XXXP	PXXXX XXXXP	PXXXXX XXXXXP	PXXXXXX XXXXXXP	PX XP	PXX XXP	PXXX XXXP	PXXXX XXXXP	PXXXXX XXXXXP	PXXXXXX XXXXXXP
100 7/16" 2551	99 7/16" 2526	96" 2438	PX XP	PXX XXP	PXXX XXXP	PXXXX XXXXP	PXXXXX XXXXXP	PXXXXXX XXXXXXP	PX XP	PXX XXP	PXXX XXXP	PXXXX XXXXP	PXXXXX XXXXXP	PXXXXXX XXXXXXP
112 7/16" 2856	111 7/16" 2831	108" 2743	PX XP	PXX XXP	PXXX XXXP	PXXXX XXXXP	PXXXXX XXXXXP	PXXXXXX XXXXXXP	PX XP	PXX XXP	PXXX XXXP	PXXXX XXXXP	PXXXXX XXXXXP	PXXXXXX XXXXXXP
124 7/16" 3161	123 7/16" 3135	120" 3048	PX XP	PXX XXP	PXXX XXXP	PXXXX XXXXP	PXXXXX XXXXXP	PXXXXXX XXXXXXP	PX XP	PXX XXP	PXXX XXXP	PXXXX XXXXP	PXXXXX XXXXXP	PXXXXXX XXXXXXP
*144" 3658	143" 3632	139 9/16" 3545	PX XP	PXX XXP	PXXX XXXP	PXXXX XXXXP	PXXXXX XXXXXP	PXXXXXX XXXXXXP	PX XP	PXX XXP	PXXX XXXP	PXXXX XXXXP	PXXXXX XXXXXP	PXXXXXX XXXXXXP
			PRODUCT CODE											

GLASS SIZE = VISIBLE GLASS + 1 3/8" (35 MM)

Custom Sizes Available.

Note:

- Sizes shown are typical details.
- Additional sizes and configurations available.
- Screen options may be available depending on size and configuration.
- Raised threshold available with a maximum of 6 panels per sill (12 in a bi-parting configuration; 2 per track).
- Consult your Authorized Dealer for details.
- All dimensions to have +/- 1/16" (2 mm) tolerance.
- O = Fixed, X = Operating, P = Pocketing
- The preparation of the rough opening for large openings such as those required by, but not limited to, LiftSlide doors have unique requirements. Structural headers that allow for deflection no greater than 1/8" along the unsupported length once the header is fully loaded are required. Special care needs to be taken when installing any unit including transoms above such large opening units. Loewen is not responsible for site measurements or the determination of structural and architectural requirements for the installation of large opening products such as but not limited to, Liftslide doors. Site specifications are the responsibility of building professionals or engineers to determine.

See Chart for Allowable DP

DP 70 Allowable

(See Cross Sections for Sill Riser Restrictions)

*Maximum Height

STORMFORCE LIFTSLIDE BI-PARTING WITH POCKET DOOR SIZES

			WIDTH						MAXIMUM WIDTH					
Rough Opening			39 11/16" 1008	72 5/8" 1845	105 5/8" 2683	138 5/8" 3521	171 5/8" 4360	204 5/8" 5198	63 11/16" 1618	120 11/16" 3065	177 11/16" 4513	234 11/16" 5961	291 11/16" 7410	348 3/4" 8858
System			79" 2007	112" 2844	144 15/16" 3682	177 15/16" 4520	211" 5359	244" 6197	127" 3226	184" 4674	241" 6122	298 1/16" 7570	355 1/16" 9019	412 1/16" 10467
Panel			36" 914	36" 914	36" 914	36" 914	36" 914	36" 914	60" 1524	60" 1524	60" 1524	60" 1524	60" 1524	60" 1524
Jamb			8 1/8" 206	9 11/16" 246	13 1/2" 343	17 3/8" 442	21 1/4" 539	25 1/16" 637	8 1/8" 206	9 11/16" 246	13 9/16" 344	17 3/8" 442	21 1/4" 539	25 1/16" 637
Pocket			7 1/16" 179	9 5/8" 245	13 9/16" 344	17 3/8" 441	21 3/16" 538	25 1/16" 636	7 1/16" 179	9 5/8" 245	13 9/16" 344	17 3/8" 441	21 3/16" 538	25 1/16" 636
88 7/16" 52246	87 7/16" 2221	84" 2134	PX-XP	PXX-XXP	PXXX-XXXXP	PXXXX-XXXXP	PXXXXX-XXXXXP	PXXXXXX-XXXXXXP	PX-XP	PXX-XXP	PXXX-XXXXP	PXXXX-XXXXP	PXXXXX-XXXXXP	PXXXXXX-XXXXXXP
100 7/16" 2551	99 7/16" 2526	96" 2438	PX-XP	PXX-XXP	PXXX-XXXXP	PXXXX-XXXXP	PXXXXX-XXXXXP	PXXXXXX-XXXXXXP	PX-XP	PXX-XXP	PXXX-XXXXP	PXXXX-XXXXP	PXXXXX-XXXXXP	PXXXXXX-XXXXXXP
112 7/16" 2856	111 7/16" 2831	108" 2743	PX-XP	PXX-XXP	PXXX-XXXXP	PXXXX-XXXXP	PXXXXX-XXXXXP	PXXXXXX-XXXXXXP	PX-XP	PXX-XXP	PXXX-XXXXP	PXXXX-XXXXP	PXXXXX-XXXXXP	PXXXXXX-XXXXXXP
124 7/16" 3161	123 7/16" 3135	120" 3048	PX-XP	PXX-XXP	PXXX-XXXXP	PXXXX-XXXXP	PXXXXX-XXXXXP	PXXXXXX-XXXXXXP	PX-XP	PXX-XXP	PXXX-XXXXP	PXXXX-XXXXP	PXXXXX-XXXXXP	PXXXXXX-XXXXXXP
*144" 3658	143" 3632	139 9/16" 3545	PX-XP	PXX-XXP	PXXX-XXXXP	PXXXX-XXXXP	PXXXXX-XXXXXP	PXXXXXX-XXXXXXP	PX-XP	PXX-XXP	PXXX-XXXXP	PXXXX-XXXXP	PXXXXX-XXXXXP	PXXXXXX-XXXXXXP
			PRODUCT CODE											

GLASS SIZE = VISIBLE GLASS + 1 3/8" (35 MM)

Maximum Frame Height (in.)	Maximum Panel Width (in.)	Allowable Pressure (+/- PSF)		Maximum Frame Height (in.)	Maximum Panel Width (in.)	Allowable Pressure (+/- PSF)
143	60	50		120	60	59
	54	55			54	66
	48	62			51	70
	42	70		108	60	66
132	60	54	56		70	
	54	60	102	60	70	
	48	67				
	46	70				

Standard Sizes Shown. Custom Sizes Available.

Note:

- Sizes shown are typical details.
- Additional sizes and configurations available.
- Screen options may be available depending on size and configuration.
- Raised threshold available with a maximum of 6 panels per sill (12 in a bi-parting configuration; 2 per track).
- Consult your Authorized Dealer for details.
- All dimensions to have +/- 1/16" (2 mm) tolerance.
- O = Fixed, X = Operating, P = Pocketing
- The preparation of the rough opening for large openings such as those required by, but not limited to, LiftSlide doors have unique requirements. Structural headers that allow for deflection no greater than 1/8" along the unsupported length once the header is fully loaded are required. Special care needs to be taken when installing any unit including transoms above such large opening units. Loewen is not responsible for site measurements or the determination of structural and architectural requirements for the installation of large opening products such as but not limited to, Liftslide doors. Site specifications are the responsibility of building professionals or engineers to determine.

See Chart for Allowable DP

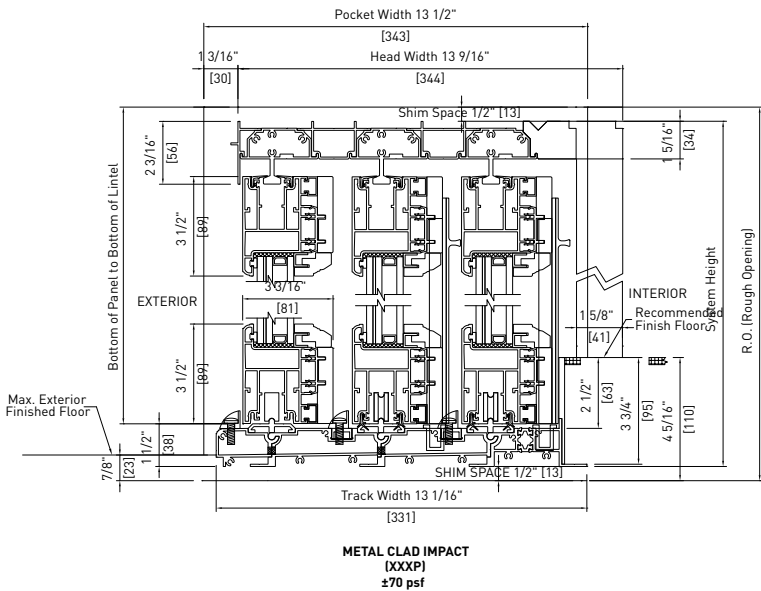
DP 70 Allowable

(See Cross Sections for Sill Riser Restrictions)

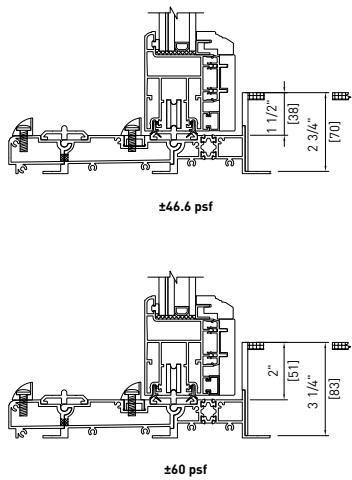
*Maximum Height

STORMFORCE LIFTSLIDE DOOR POCKET
DETAIL

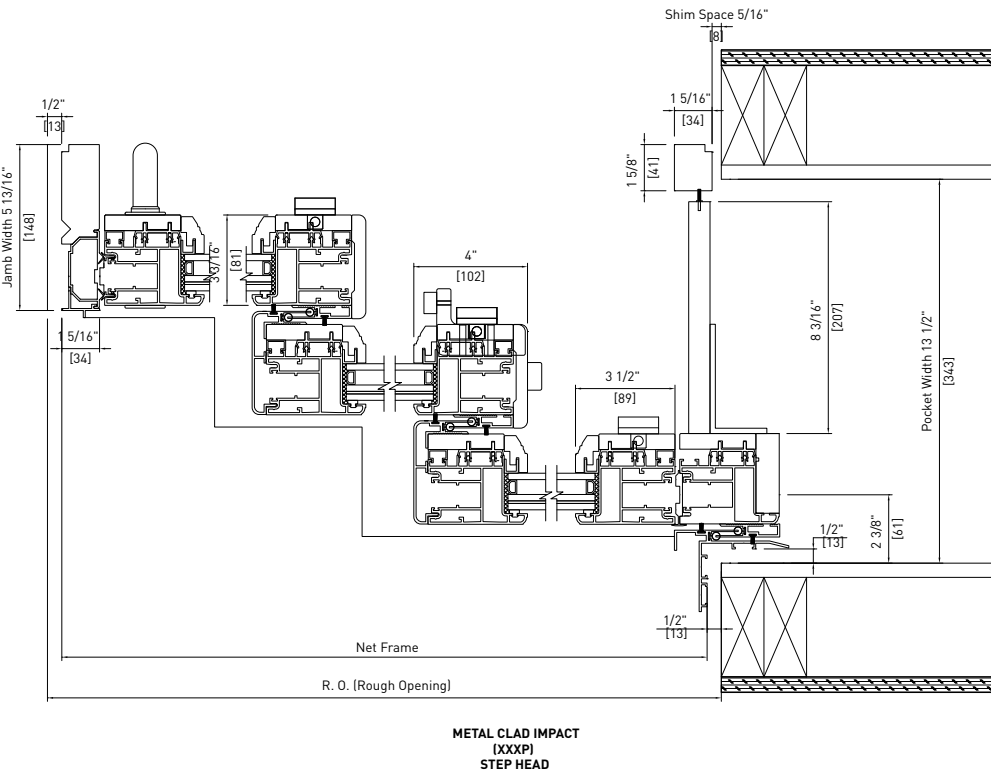
HEAD & SILL DETAIL



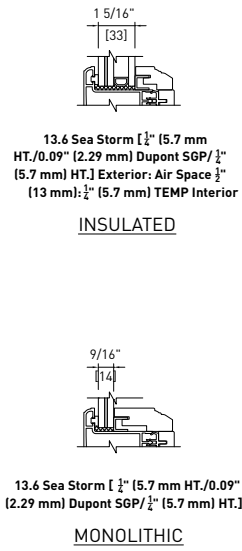
OPTIONAL RISERS



PLAN VIEW



GLAZING DETAIL



Note: • Other configurations available.
• All dimensions to have +/- 1/16" [2 mm] tolerance.

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