

Infinity Insert Double Hung

Unit Features

Infinity Insert Double Hung: NINDH

Infinity Insert Double Hung Transom: NINDT

Infinity Insert Double Hung Picture: NINDP

Ultrex® Pultruded Fiberglass Frame:

- Frame thickness: 7/8" (22) head jamb, 7/8" (22) side jamb, 25/32" (20) sill with 8 degree bevel
- Frame depth: 3 1/4" (83)
- Exterior colors: Stone White, Sierra, Cashmere, Pebble Gray, Bahama Brown, Bronze
- Interior colors: Stone White, Sierra, EverWood™

Ultrex® Pultruded Fiberglass Sash:

- Sash thickness: 1 3/8" (35)
- Different sash option allows unequal sash heights, unique lite cuts for each sash or different glazing in each sash
- Operable sash tilt to interior for cleaning and removal
- Sash are replaceable but cannot be re-glazed
- Exterior colors: Stone White, Sierra, Cashmere, Pebble Gray, Bahama Brown, Bronze
- Interior colors: Stone White, Sierra, EverWood™

Hardware:

- Lock and keeper:
 - Mounted at the center of the top check rail or 12" (305) on center from either end on dual lock unit
 - Zinc die-cast
- Sash lift:
 - Factory drilled for a bottom sash lift
 - Single lock units receive single lift, dual locks unit receive double lifts
 - Zinc die-cast
- Balance system:
 - Coil spring block and tackle with nylon cord and fiber filled nylon clutch
 - Allows the sash to raise or lower from desired position
- Bottom sash tilt latches:
 - Spring loaded tilt latches attached to upper corners of sash and operated with a button on the lock for easy tilting and sash removal
 - Tilt latches are mounted to the window stile and hidden under the check rail cover for a clean look
- Top sash tilt latches:
 - Spring loaded tilt latches attached to upper corners of sash
 - Injection molded nylon - white or beige
 - Hidden from view in the frame header when window is closed
- Top sash hanger (fixed upper sash only):
 - Attached to the frame securing the top sash making it stationary
 - Metal stamped
 - Color: white or beige
- Optional factory applied Window Opening Control Device
 - Available on all operable units
 - Color: white or beige
 - This device works in accordance to ASMT F2090-10 standard specification for window fall prevention devices with emergency escape

Weather Strip:

- Frame:
 - Jamb: foam filled bulb with flexible TPE skin
 - Color: white or beige
 - Parting stop: PVC with flexible hinged wand seal
 - Color: white or beige
- Sash:
 - Bottom sash: beige, hollow foam bulb type
 - Check rail: beige, PVC with flexible hinged wand seal
- Stationary units:
 - Continuous, foam weather strip at perimeter of sash
 - Color: gray

Infinity Insert Double Hung

Unit Features

Insect Screens:

- Full screen
- Optional half screen
- Extruded aluminum frame: 0.050" wall thickness
- Standard screen mesh material: charcoal fiberglass
 - Optional screen mesh material: high transparency screen
- Corners are mitered and joined with an internal corner key, which are not visible
- Friction fit pins are integrated into the side of the screen
- Frame color: matches exterior frame color

Glass:

- Glazing seal: silicone bedding on interior and exterior
- Standard glass: Low E2 with Argon or air
- Optional glazing available: Low E1 with Argon or air, Low E3 with Argon or air, Low E3/ERS with Argon or air, clear, tints, tempered, obscure
- Decorative glass options include Glue Chip, Rain, Reed, Narrow Reed, or Frost
- Decorative glass is not available with Low E1, Low E3/ERS or STC/OITC
- Rain, Reed and Narrow Reed not available with SDL
- SDL available on Frost, annealed or tempered
- SDL available on Glue Chip, tempered glass required
- Insulating glass will be altitude adjusted with capillary tubes for higher elevations
- Argon gas is not available for elevations that require capillary tubes

Simulated Divided Lites (SDL):

- 7/8" (22) SDL bar (interior and exterior)
- 2 11/32" (30) simulated rail (interior and exterior) - picture unit only
- Exterior color: matched to unit exterior
- Interior color: matched to interior - ABS material
- Pattern: equal rectangular, cottage, prairie, check rail

Gilles-Between-the-Glass (GBG):

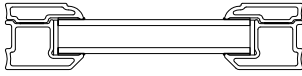
- 11/16" (18) or 1" (25) contoured aluminum bar
- Exterior: color matched to unit exterior
- The exterior GBG color is designed to best match the unit exterior color when used with Low E glass. The use of different types of glazing options may alter the exterior GBG color appearance.
- Interior color: White, Satin Taupe, Sierra, Bronze
- Pattern: equal rectangular, cottage, prairie, check rail
- GBG's are not available with dual 4.7mm glass panes. Refer to OMS for availability.

NOTE: GBG may not be available or may require tempered glass if the glass size is greater than 16 square feet or if the short side dimension is greater than 48". Please contact your local Infinity Retailer or Infinity Support at 800-372-1072 to determine if GBG is available for glass sizes exceeding these dimensions.

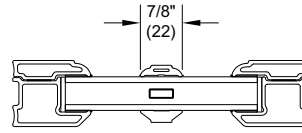
Head/Seat Board:

- Use with bow and bay assemblies
- Factory installed interior head board available in bare pine or oak
- Factory installed interior seat board available in bare pine or oak
- Factory installed insulated seat board with white or beige exterior aluminum skin
- Bay cable support
- Bow and bay jamb available from 4 9/16" (116) - 8 9/16" (217)

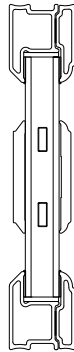
Lite Options



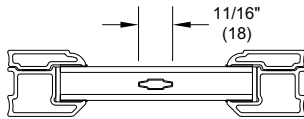
Insulating Glass



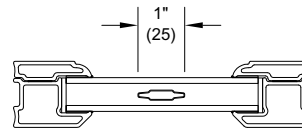
Insulating Glass
SDL w/ spacer bar



Insulating Glass
SDL Simulated Rail
w/spacer bar



11/16" Insulating Glass
GBG



1" Insulating Glass
GBG

Minimum and Maximum Guidelines

Minimum and Maximum Inside Opening Guidelines - Standard Size												
Insert Standard Size Double Hung		Inside Opening								Max Glass Size		
		Min Width		Min Height		Max Width		Max Height		Sash Size	Sq. Feet	Sq. Meters
		in	mm	in	mm	in	mm	in	mm			
NINDH	Equal Sash	14 1/2	(368)	25 3/4	(654)	48 3/8	(1229)	95 3/4	(2432)	regular	13 25/32	1.281
NINDH	Cottage Style	14 1/2	(368)	29 13/16	(757)	48 3/8	(1229)	71 3/4	(1822)	small	8 3/32	0.752
										large	13 1/2	1.255
NINDH	Oriel Style	14 1/2	(368)	29 13/16	(757)	48 3/8	(1229)	95 3/4	(2432)	small	11 1/32	1.025
										large	18 3/8	1.708
NINDP NINDT	Picture Transom	18 3/8	(467)	16 1/8	(410)	72 3/8	(1838)	71 3/4	(1822)	regular	30	2.787

Minimum and Maximum Inside Opening Guidelines - Expanded Size												
Insert Expanded Size Double Hung		Inside Opening								Max Glass Size		
		Min Width		Min Height		Max Width		Max Height		Sash Size	Sq. Feet	Sq. Meters
		in	mm	in	mm	in	mm	in	mm			
NINDH	Equal Sash	48 13/32	(1230)	25 3/4	(654)	54 3/8	(1381)	84 3/4	(2153)	regular	13 25/32	1.279
NINDH	Cottage Style	48 13/32	(1230)	29 13/16	(757)	54 3/8	(1381)	59 3/4	(1518)	small	7 9/16	0.701
										large	12 19/32	1.169
NINDH	Oriel Style	48 13/32	(1230)	29 13/16	(757)	54 3/8	(1381)	84 3/4	(2153)	small	11	1.023
										large	18 3/8	1.706

NOTE: Fixed upper sash required on certain sizes. Contact Infinity Support for more information.

For Glue Chip, Frost, and Rain, maximum short frame side is 63 1/8".

For Reed and Narrow Reed, vertical pattern orientation maximum frame width size 63 1/8".

For Reed and Narrow Reed, horizontal pattern orientation maximum sash height 61 1/8 for operating unit, 63 1/8 for transom and picture units.

Tempered glass may be required if the glass size is greater than 23 square feet. Please contact your local Infinity Retailer or Infinity Support at 800-372-1072 to determine available glass options on units exceeding this size.

Certified Sizes and Ratings

Product	Air Tested to psf	Water Tested to psf	Design Pressure (DP)	Certification Rating	Max Overall Width		Max Overall Height	
					in	mm	in	mm
Fiberglass Insert Double Hung (NINDH)	1.57	4.6	30	LC-PG30-H	48	(1219)	96	(2438)
Fiberglass Insert Double Hung (NINDH)	1.57	3.76	25	LC-PG25-D	54	(1372)	85	(2159)
Fiberglass Insert Double Hung Picture (NINDP)	1.57	4.5	30	LC-PG30-FW	72	(1829)	72	(1829)

30° Bay Minimum and Maximum Guidelines and Projection

Minimum and Maximum Guidelines									
30 Degree Bay		Frame Size							
		Min Width		Min Height		Max Width		Height	
		in	mm	in	mm	in	mm	in	mm
1:2:1 Ratio	O-P-O	59 1/2	(1511)	27 7/16	(697)	141 1/16	(3583)	73 15/16	(1878)
	O-O-O	59 1/2	(1511)	27 7/16	(697)	96 5/16	(2446)	86 15/16	(2208)
1:1:1 Ratio	O-P-O	45 3/8	(1153)	27 7/16	(697)	136	(3454)	73 15/16	(1878)
	O-O-O	45 3/8	(1153)	27 7/16	(697)	136	(3454)	86 15/16	(2208)

30 Degree Bay - 1:1:1 Ratio							
RO Width		Flanker Inside Opening		Center Inside Opening		Projection	
in	mm	in	mm	in	mm	in	mm
50	(1270)	16 3/16	(411)	16 3/16	(411)	8 3/4	(222)
55	(1397)	18	(457)	18	(457)	9 5/8	(244)
60	(1524)	19 13/16	(503)	19 13/16	(503)	10 9/16	(268)
65	(1651)	21 11/16	(551)	21 11/16	(551)	11 1/2	(292)
70	(1778)	23 1/2	(597)	23 1/2	(597)	12 3/8	(314)
75	(1905)	25 5/16	(643)	25 5/16	(643)	13 5/16	(338)
80	(2032)	27 3/16	(691)	27 3/16	(691)	14 3/16	(360)
85	(2159)	29	(737)	29	(737)	15 1/8	(384)
90	(2286)	30 13/16	(783)	30 13/16	(783)	16 1/16	(408)
95	(2413)	32 5/8	(829)	32 5/8	(829)	16 15/16	(430)
100	(2540)	34 1/2	(876)	34 1/2	(876)	17 7/8	(454)
105	(2667)	36 5/16	(922)	36 5/16	(922)	18 13/16	(478)
110	(2794)	38 1/8	(968)	38 1/8	(968)	19 11/16	(500)
115	(2921)	40	(1016)	40	(1016)	20 5/8	(524)
120	(3048)	41 13/16	(1062)	41 13/16	(1062)	21 9/16	(548)
125	(3175)	43 5/8	(1108)	43 5/8	(1108)	22 7/16	(570)
130	(3302)	47 7/16	(1205)	45 7/16	(1154)	23 3/8	(594)
135	(3429)	47 5/16	(1202)	47 5/16	(1202)	24 5/16	(618)

30° Bay Minimum and Maximum Guidelines and Projection

30 Degree Bay - 1:2:1 Ratio							
RO Width		Flanker Inside Opening		Center Inside Opening		Projection	
in	mm	in	mm	in	mm	in	mm
60	(1524)	14 5/8	(371)	28 7/8	(733)	7 15/16	(202)
65	(1651)	15 15/16	(405)	31 9/16	(802)	8 5/8	(219)
70	(1778)	17 5/16	(440)	34 1/4	(870)	9 5/16	(237)
75	(1905)	18 5/8	(473)	36 15/16	(938)	9 5/16	(237)
80	(2032)	20	(508)	39 5/8	(1006)	10 5/8	(270)
85	(2159)	21 5/16	(541)	42 1/4	(1073)	11 5/16	(287)
90	(2286)	22 5/8	(575)	44 15/16	(1141)	11 15/16	(303)
95	(2413)	24	(610)	47 5/8	(1210)	12 5/8	(321)
100	(2540)	25 5/16	(643)	50 5/16	(1278)	13 5/16	(338)
105	(2667)	26 11/16	(678)	53	(1346)	14	(356)
110	(2794)	28	(711)	55 11/16	(1414)	14 5/8	(371)
115	(2921)	29 3/8	(746)	58 3/8	(1483)	15 5/16	(389)
120	(3048)	30 11/16	(779)	61 1/16	(1551)	16	(406)
125	(3175)	32 1/16	(814)	63 11/16	(1618)	16 5/8	(422)
130	(3302)	33 3/8	(848)	66 3/8	(1686)	17 5/16	(440)
135	(3429)	34 11/16	(881)	69 1/16	(1754)	18	(457)
140	(3556)	36 1/16	(916)	71 3/4	(1822)	18 11/16	(475)

45° Bay Minimum and Maximum Guidelines and Projection

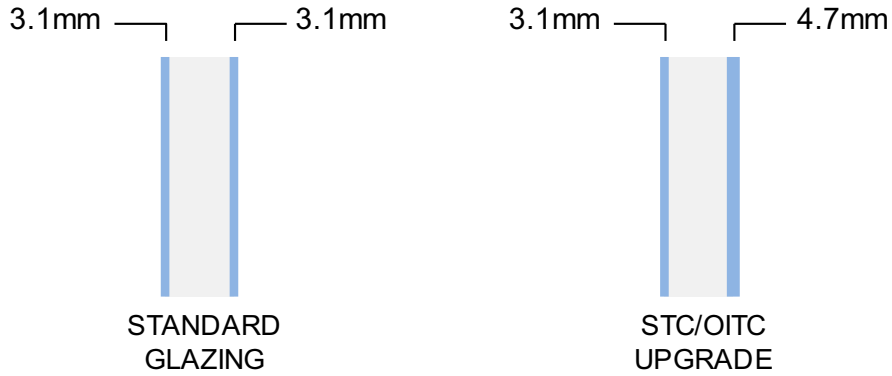
Minimum and Maximum Guidelines									
45 Degree Bay		Frame Size							
		Min Width		Min Height		Max Width		Max Height	
		in	mm	in	mm	in	mm	in	mm
1:2:1 Ratio	O-P-O	56 5/16	(1430)	27 7/16	(697)	119 1/8	(3026)	73 15/16	(1878)
	O-O-O	56 5/16	(1430)	27 7/16	(697)	90	(2286)	86 15/16	(2208)
1:1:1 Ratio	O-P-O	42 3/16	(1072)	27 7/16	(697)	86 9/16	(2199)	73 15/16	(1878)
	O-O-O	42 3/16	(1072)	27 7/16	(697)	86 9/16	(2199)	86 15/16	(2208)

45 Degree Bay - 1:1:1 Ratio							
RO Width		Flanker Inside Opening		Center Inside Opening		Projection	
in	mm	in	mm	in	mm	in	mm
50	(1270)	17 3/4	(451)	17 3/4	(451)	13 3/4	(349)
55	(1397)	19 13/16	(503)	19 13/16	(503)	15 3/16	(386)
60	(1524)	21 7/8	(556)	21 7/8	(556)	16 11/16	(424)
65	(1651)	23 15/16	(608)	23 15/16	(608)	18 1/8	(460)
70	(1778)	26	(660)	26	(660)	19 5/8	(498)
75	(1905)	28 1/16	(713)	28 1/16	(713)	21 1/16	(535)
80	(2032)	30 1/8	(765)	30 1/8	(765)	22 9/16	(573)
85	(2159)	32 3/16	(818)	32 3/16	(818)	24	(610)

45 Degree Bay - 1:2:1 Ratio							
RO Width		Flanker Inside Opening		Center Inside Opening		Projection	
in	mm	in	mm	in	mm	in	mm
60	(1524)	15 9/16	(395)	30 3/4	(781)	12 1/4	(311)
65	(1651)	17	(432)	33 11/16	(856)	13 1/4	(337)
70	(1778)	18 1/2	(470)	36 5/8	(930)	14 5/16	(364)
75	(1905)	19 15/16	(506)	39 9/16	(1005)	15 5/16	(389)
80	(2032)	21 7/16	(545)	42 1/2	(1080)	16 3/8	(416)
85	(2159)	22 7/8	(581)	45 7/16	(1154)	17 3/8	(441)
90	(2286)	24 3/8	(619)	48 3/8	(1229)	18 7/16	(468)
95	(2413)	25 13/16	(656)	51 1/4	(1302)	19 1/2	(495)
100	(2540)	27 1/4	(692)	54 3/16	(1376)	20 1/2	(521)
105	(2667)	28 3/4	(730)	57 1/8	(1451)	21 9/16	(548)
110	(2794)	30 3/16	(767)	60 1/16	(1526)	22 9/16	(573)
115	(2921)	31 11/16	(805)	63	(1600)	23 5/8	(600)

STC/OITC Glass Values

This glazing option incorporates 3.1mm/4.7mm variable thickness glass to increase STC/OITC performance and improve sound abatement. Infinity's STC/OITC upgrade includes third party ASTM ratings and reports. STC/OITC ratings for this option and for standard 3.1mm/3.1mm insulating glass are shown in the attached chart.



Product Type	Exterior Glazing	Airspace	Interior Glazing	STC	OITC
Insert Double Hung	1/8" (3.1)	15/32" (11.5)	1/8" (3.1)	27	23
	1/8" (3.1)	13/32" (9.8)	3/16" (4.7)	31	27
Insert Double Hung Picture	1/8" (3.1)	15/32" (11.5)	1/8" (3.1)	27	24
	1/8" (3.1)	13/32" (9.8)	3/16" (4.7)	32	28

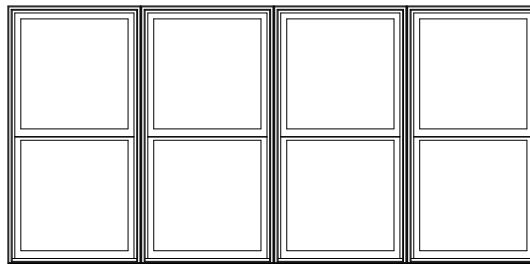
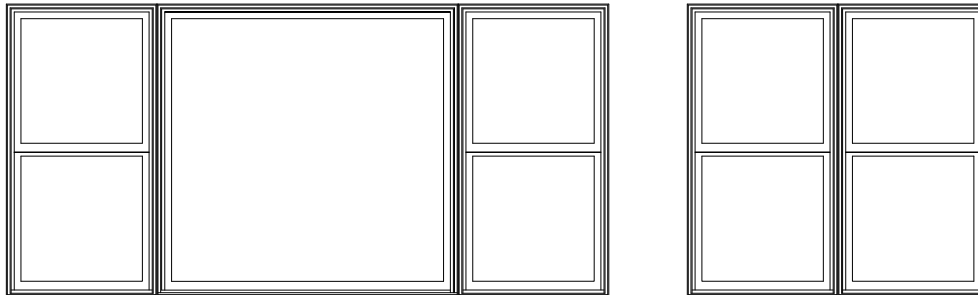
Infinity Insert Double Hung

Mulling Guidelines

Factory Muller Insert Double Hung Assemblies

- Assemblies up to 4 units wide by 1 unit high
 - MAXIMUM INSIDE OPENING not to exceed 112 3/8" (2854) x 85 1/4" (2165)

NOTE: Field mulling beyond the above limitations is not recommended.



Inside Opening Assemblies

- WIDTH:
 - Frame Width = Unit Inside Opening Width MINUS 3/8"
 - Total Inside Opening Width = ADD all frame widths PLUS 3/8" (3/8" x number of mulls)
- HEIGHT: Not applicable

Measurement Conversions: Operable Units

Insert Double Hung Operating Unit - 8 Degree Sill						
Unit Measurements		Width		Height		
From	To					
Inside Opening		in	mm		in	mm
OM of Frame @ Exterior	Inside Opening	+ 3/8	(10)		-1/4	(6)
Frame		in	mm		in	mm
Daylight Opening	OM of Frame @ Exterior	+ 5 3/16	(132)	× 2	+ 7 5/8	(194)
Top Sash		in	mm		in	mm
OM of Frame @ Exterior	OM of Top Sash	-1 15/16	(49)	÷ 2	-9/16	(14)
Daylight Opening	OM of Top Sash	+ 3 1/4	(83)		+ 3 1/4	(83)
Bottom Sash		in	mm		in	mm
OM of Frame @ Exterior	OM of Bottom Sash	-1 15/16	(49)	÷ 2	-1/8	(4)
Daylight Opening	OM of Bottom Sash	+ 3 1/4	(83)		+ 3 1/4	(83)
Top Sash (Cottage Sash)		in	mm		in	mm
OM of Frame @ Exterior	OM of Top Sash	-1 15/16	(49)	× 0.4	+	(0)
Daylight Opening	OM of Top Sash	+ 3 1/4	(83)		+ 3 1/4	(83)
Bottom Sash (Cottage Sash)		in	mm		in	mm
OM of Frame @ Exterior	OM of Bottom Sash	-1 15/16	(49)	× 0.6	-11/16	(17)
Daylight Opening	OM of Bottom Sash	+ 3 1/4	(83)		+ 3 1/4	(83)
Top Sash (Oriel Sash)		in	mm		in	mm
OM of Frame @ Exterior	OM of Top Sash	-1 15/16	(49)	× 0.6	-1 3/32	(28)
Daylight Opening	OM of Top Sash	+ 3 1/4	(83)		+ 3 1/4	(83)
Bottom Sash (Oriel Sash)		in	mm		in	mm
OM of Frame @ Exterior	OM of Bottom Sash	-1 15/16	(49)	× 0.4	+ 13/32	(10)
Daylight Opening	OM of Bottom Sash	+ 3 1/4	(83)		+ 3 1/4	(83)
Glass		in	mm		in	mm
Daylight Opening	Glass	+ 1 1/16	(27)		+ 1 1/16	(27)
Full Screen		in	mm		in	mm
OM of Frame @ Exterior	OM of Screen	-2 7/32	(56)		-1 11/16	(43)
Daylight Opening	OM of Screen	+ 2 31/32	(76)	× 2	+ 5 15/16	(151)
Half Screen		in	mm		in	mm
OM of Frame @ Exterior	OM of Screen	-2 7/32	(56)	÷ 2	+ 1/16	(1)
Daylight Opening	OM of Screen	+ 2 31/32	(76)		+ 3 27/32	(98)
Cottage Screen		in	mm		in	mm
OM of Frame @ Exterior	OM of Screen	-2 7/32	(56)		-1 11/16	(43)
Daylight Opening (S1)	OM of Screen	+ 2 31/32	(76)	÷ 0.4	+ 6 13/32	(163)
Oriel Screen		in	mm		in	mm
OM of Frame @ Exterior	OM of Screen	-2 7/32	(56)		-1 11/16	(43)
Daylight Opening (S1)	OM of Screen	+ 2 31/32	(76)	÷ 0.6	+ 5 17/32	(140)

NOTE: IO to Frame Size Height Conversion is on next page

Measurement Conversions: Transom and Picture

Insert Double Hung Transoms - 8 Degree Sill					
Unit Measurements		Width		Height	
From	To				
Inside Opening		in	mm	in	mm
OM of Frame @ Exterior	Inside Opening	+ 3/8	(10)	-1/4	(6)
Frame		in	mm	in	mm
Daylight Opening	OM of Frame @ Exterior	+ 5 3/16	(132)	+ 5 1/4	(133)
Sash		in	mm	in	mm
OM of Frame @ Exterior	OM of Sash	-1 15/16	(49)	-2	(51)
Daylight Opening	OM of Sash	+ 3 1/4	(83)	+ 3 1/4	(83)
Glass		in	mm	in	mm
Daylight Opening	Glass	+ 1 1/16	(27)	+ 1 1/16	(27)

Insert Double Hung Picture - 8 Degree Sill					
Unit Measurements		Width		Height	
From	To				
Inside Opening		in	mm	in	mm
OM of Frame @ Exterior	Inside Opening	+ 3/8	(10)	-1/4	(6)
Frame		in	mm	in	mm
Daylight Opening	OM of Frame @ Exterior	+ 5 3/16	(132)	+ 5 1/4	(133)
Sash		in	mm	in	mm
OM of Frame @ Exterior	OM of Sash	-1 15/16	(49)	-2	(51)
Daylight Opening	OM of Sash	+ 3 1/4	(83)	+ 3 1/4	(83)
Glass		in	mm	in	mm
Daylight Opening	Glass	+ 1 1/16	(27)	+ 1 1/16	(27)

Infinity Double Hung Measurement Conversions		
Inside Opening to Frame Size @ Exterior		
Existing Sill Angle	Conversions	
8° and greater	1/4	(6)
7°	3/16	(5)
6°	1/8	(3)
5°	1/16	(2)
4°	0	(0)
3°	- 1/16	(2)
2°	- 1/8	(3)
1°	- 3/16	(5)
0°	- 1/4	(6)

Measurement Conversions: Egress

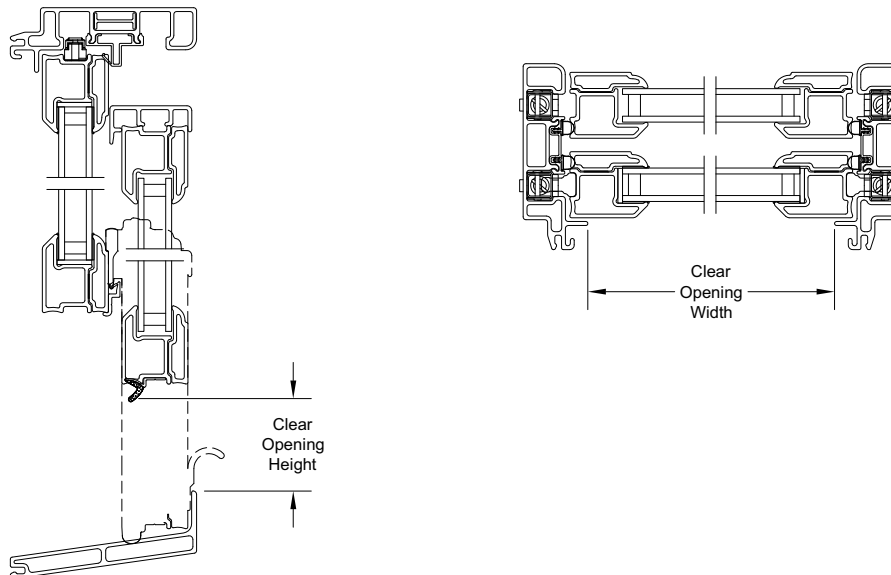
Egress Conversions		
Equal Sash Egress Minimum Opening and Conversions from Frame Size		
Minimum Value for Net Clear Opening	Desired Dimension	Formula
20 in	Egress opening width, in	= NINDH frame OM width - 2.694
24 in	Egress opening height, in	= (NINDH frame OM height /2) - 5.722
5.7 ft2	Egress opening area, ft2	= ((Egress opening width, in) x (Egress opening height, in)) / 144

Egress Conversions		
Cottage Style Egress Minimum Opening and Conversions from Frame Size		
Minimum Value for Net Clear Opening	Desired Dimension	Formula
20 in	Egress opening width, in	= NINDH frame OM width - 2.694
24 in	Egress opening height, in	= (NINDH frame OM height x SR) - 5.172
5.7 ft2	Egress opening area, ft2	= ((Egress opening width, in) x (Egress opening height, in)) / 144

Egress Conversions		
Oriel Style Egress Minimum Opening and Conversions from Frame Size		
Minimum Value for Net Clear Opening	Desired Dimension	Formula
20 in	Egress opening width, in	= NINDH frame OM width - 2.694
24 in	Egress opening height, in	= (NINDH frame OM height x SR) - 5.406
5.7 ft2	Egress opening area, ft2	= ((Egress opening width, in) x (Egress opening height, in)) / 144

NOTE: SR is the sash ratio of the smallest sash to the glass height (2/5 or 1/3)

Must meet/exceed all three minimum values to meet egress. Limited travel may affect egress opening height.



Infinity Insert Double Hung

Section Details: Operator

Scale: 3" = 1' 0"

Infinity Insert Double Hung

Unit Features

Infinity Insert Double Hung: NINDH

Infinity Insert Double Hung Transom: NINDT

Infinity Insert Double Hung Picture: NINDP

Ultrex® Pultruded Fiberglass Frame:

- Frame thickness: 7/8" (22) head jamb, 7/8" (22) side jamb, 25/32" (20) sill with 8 degree bevel
- Frame depth: 3 1/4" (83)
- Exterior colors: Stone White, Sierra, Cashmere, Pebble Gray, Bahama Brown, Bronze
- Interior colors: Stone White, Sierra, EverWood™

Ultrex® Pultruded Fiberglass Sash:

- Sash thickness: 1 3/8" (35)
- Different sash option allows unequal sash heights, unique lite cuts for each sash or different glazing in each sash
- Operable sash tilt to interior for cleaning and removal
- Sash are replaceable but cannot be re-glazed
- Exterior colors: Stone White, Sierra, Cashmere, Pebble Gray, Bahama Brown, Bronze
- Interior colors: Stone White, Sierra, EverWood™

Hardware:

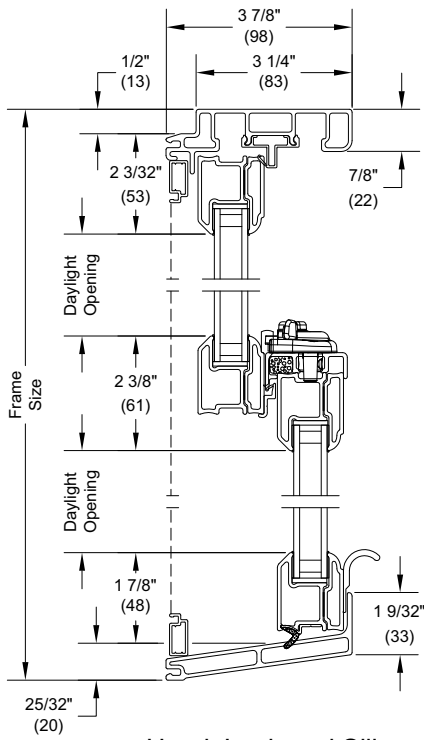
- Lock and keeper:
 - Mounted at the center of the top check rail or 12" (305) on center from either end on dual lock unit
 - Zinc die-cast
- Sash lift:
 - Factory drilled for a bottom sash lift
 - Single lock units receive single lift, dual locks unit receive double lifts
 - Zinc die-cast
- Balance system:
 - Coil spring block and tackle with nylon cord and fiber filled nylon clutch
 - Allows the sash to raise or lower from desired position
- Bottom sash tilt latches:
 - Spring loaded tilt latches attached to upper corners of sash and operated with a button on the lock for easy tilting and sash removal
 - Tilt latches are mounted to the window stile and hidden under the check rail cover for a clean look
- Top sash tilt latches:
 - Spring loaded tilt latches attached to upper corners of sash
 - Injection molded nylon - white or beige
 - Hidden from view in the frame header when window is closed
- Top sash hanger (fixed upper sash only):
 - Attached to the frame securing the top sash making it stationary
 - Metal stamped
 - Color: white or beige
- Optional factory applied Window Opening Control Device
 - Available on all operable units
 - Color: white or beige
 - This device works in accordance to ASMT F2090-10 standard specification for window fall prevention devices with emergency escape

Weather Strip:

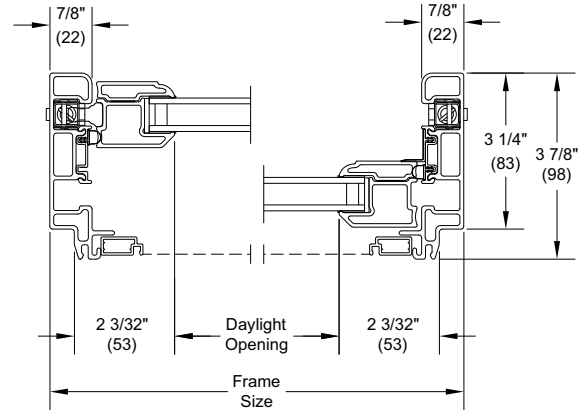
- Frame:
 - Jamb: foam filled bulb with flexible TPE skin
 - Color: white or beige
 - Parting stop: PVC with flexible hinged wand seal
 - Color: white or beige
- Sash:

Section Details: Fixed Upper Sash

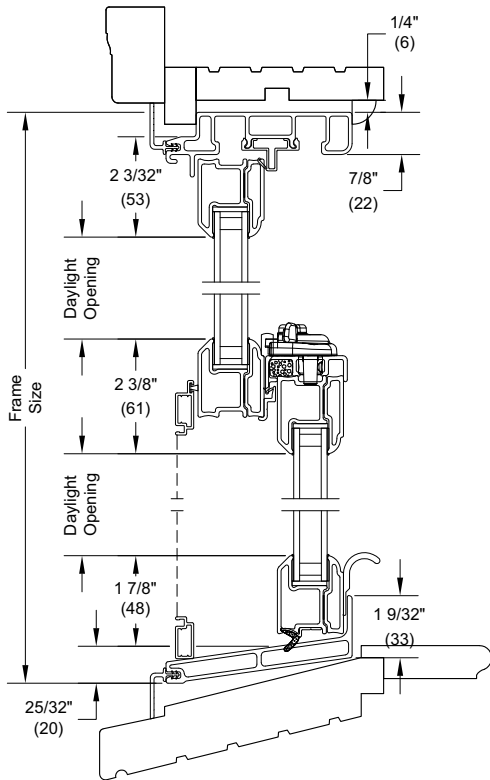
Scale: 3" = 1' 0"



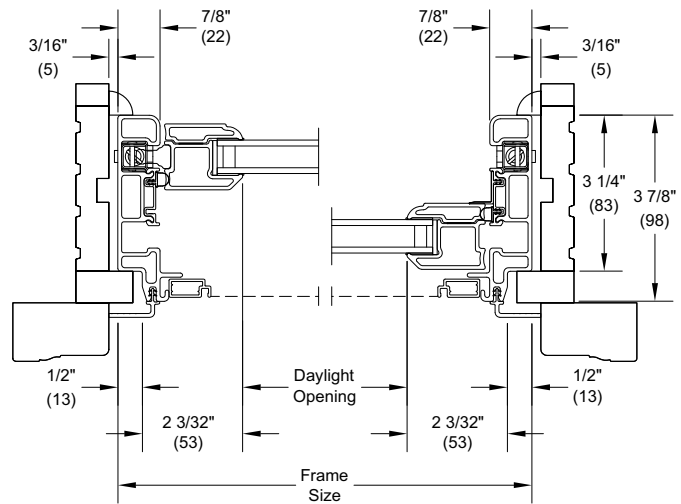
Head Jamb and Sill



Jamb



Head Jamb and Sill



Jamb

Infinity Insert Double Hung

Section Details: Transom/Picture

Scale: 3" = 1' 0"

Infinity Insert Double Hung



Init Features

finity Insert Double Hung: NINDH

finity Insert Double Hung Transom: NINDT

finity Insert Double Hung Picture: NINDP

Itrex® Pultruded Fiberglass Frame:

- Frame thickness: 7/8" (22) head jamb, 7/8" (22) side jamb, 25/32" (20) sill with 8 degree bevel
- Frame depth: 3 1/4" (83)
- Exterior colors: Stone White, Sierra, Cashmere, Pebble Gray, Bahama Brown, Bronze
- Interior colors: Stone White, Sierra, EverWood™

Itrex® Pultruded Fiberglass Sash:

- Sash thickness: 1 3/8" (35)
- Different sash option allows unequal sash heights, unique lite cuts for each sash or different glazing in each sash
- Operable sash tilt to interior for cleaning and removal
- Sash are replaceable but cannot be re-glazed
- Exterior colors: Stone White, Sierra, Cashmere, Pebble Gray, Bahama Brown, Bronze
- Interior colors: Stone White, Sierra, EverWood™

Hardware:

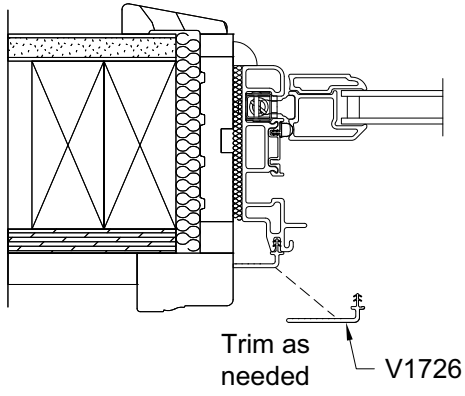
- Lock and keeper:
 - Mounted at the center of the top check rail or 12" (305) on center from either end on dual lock unit
 - Zinc die-cast
- Sash lift:
 - Factory drilled for a bottom sash lift
 - Single lock units receive single lift, dual locks unit receive double lifts
 - Zinc die-cast
- Balance system:
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 - Allows the sash to raise or lower from desired position
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 - Metal stamped
 - Color: white or beige
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 - Available on all operable units
 - Color: white or beige
 - This device works in accordance to ASMT F2090-10 standard specification for window fall prevention devices with emergency escape

leather Strip:

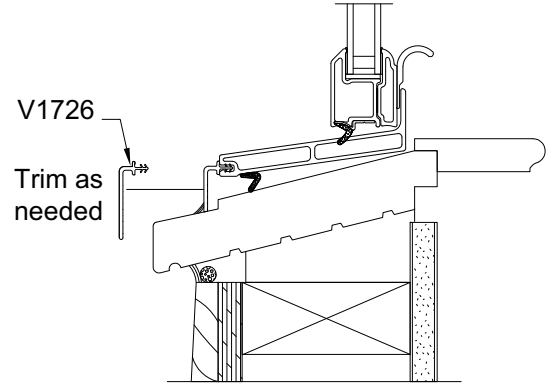
- Frame:

Section Details: Frame Expander and Panning Application

Scale: 3" = 1' 0"



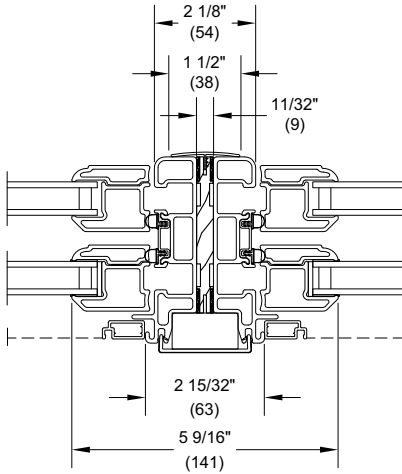
Jamb Frame Expander



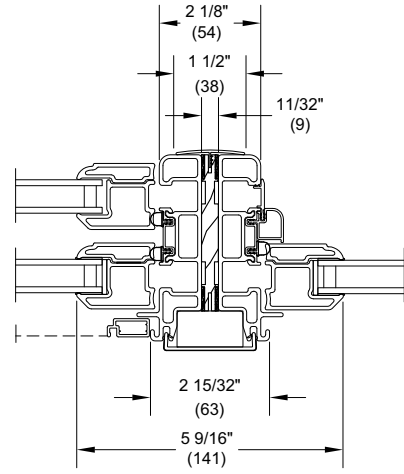
Sill Frame Expander

Section Details: Mullions

Scale: 3" = 1' 0"



Vertical Mullion Operator/Operator



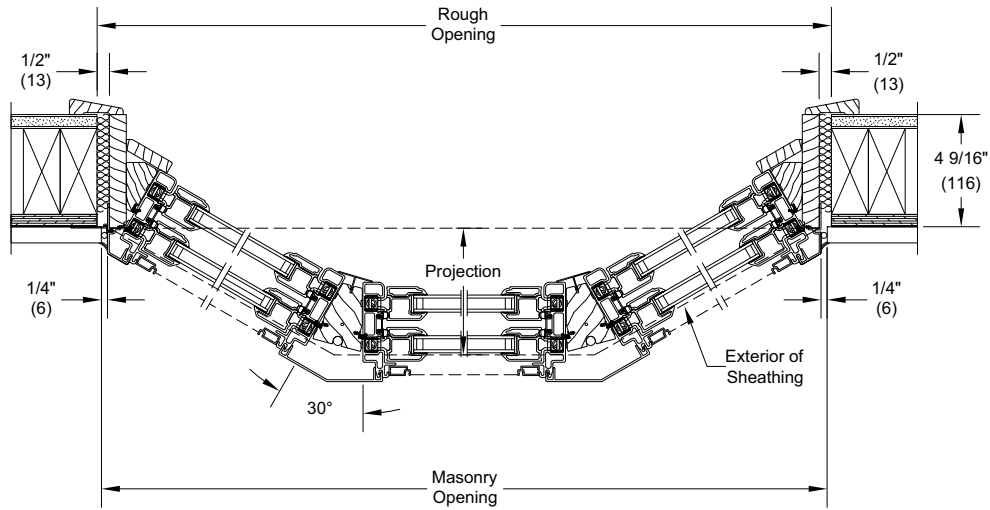
Vertical Mullion Operator/Picture

Infinity Insert Double Hung

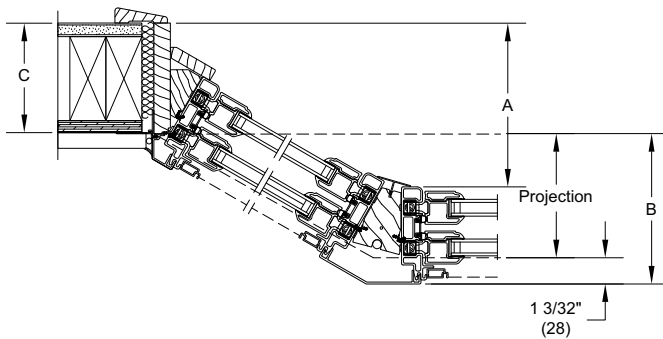
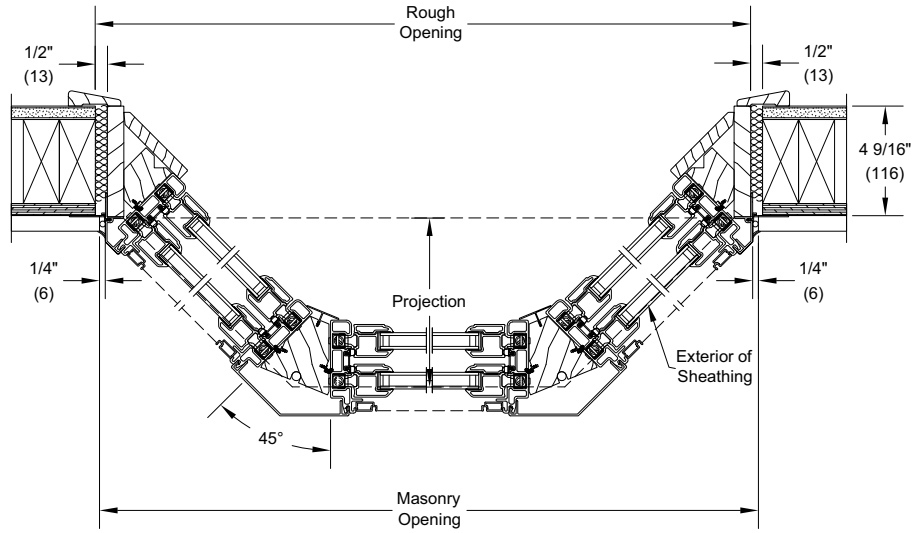
Section Details: 30° and 45° Bay Unit/Projection

Scale: 3" = 1' 0"

30° Bay



45° Bay



NINDH Bay
 A= Projection 2 15/16 + Jamb Depth

Section Details: Vertical Bay

Scale: 3" = 1' 0"

