

Vivid Direct Glaze Door Transom ADM

Unit Features.....	1
Lite Options	3
Minimum and Maximum Guidelines	4
Certified Sizes and Ratings.....	5
Measurement Conversions - Direct Glaze Transoms	6
STC/OITC Glass Values	7
Mulling Guidelines - Full Frame Rectangle Assemblies.....	9
Section Details: Full Frame Transoms	10
Section Details: Mullions	11

Unit Features

Vivid Direct Glaze Transom: VNRECT-DG

Frame:

- Product is a fiberglass fixed window featuring Ultrex on both the exterior and interior.
- Color Options:
 - Exterior colors: Stone White, Pebble Gray, Bronze, or Ebony.
 - Interior colors: Ebony or Stone White.
- Frame Dimensions: 3 1/4" (82) x 1 29/32" (48)
- Structural components of the frame are Ultrex.
- Corner Construction: miter cut and aligned and sealed with two injection molded corner keys per joint.

Glass

- Glazing Seal: Silicone bedding on exterior, and foam glazing tape on the interior.
- Standard Glass Makeups:
 - Dual Pane: 1" nominal thickness insulating glass with Low E2, and Argon gas
- Gas Fill Options: Argon or Air
- Additional Glass Coating Options:
 - Dual Pane: Low E1, Low E3, Low E3/ERS, Low E2/ERS
- Available Glass Types:
 - Dual Pane: Laminated, STC/OITC, Tempered, Decorative, and California Fire glass (annealed exterior and tempered interior glazing configuration).
- Decorative glass options: Obscure, Glue Chip, Rain, Reed, Narrow Reed, Frost, Tinted (bronze, gray, or green).
 - Decorative glass options may be limited due to glass makeup and Low E configurations.
- SDL not available on Rain, Reed and Narrow Reed
- SDL available on Obscure and Frost. Available on annealed or tempered glass.
- SDL available on Glue Chip; tempered glass required.
- Insulating glass will be altitude adjusted with capillary tubes for higher elevations
 - Glass air spaces with capillary tubes are considered air filled

Mulling

- Factory Mulling not available.
- No mulling above a Vivid Bifold Door.
- Mulling is not certified over 71 1/4" (1809) span x 49 3/4" (1263) tributary.
- Field Mulling beyond 110" (2794) x 112" (2844) not recommended.
- Mull kits include mull spacer accessory to allow mulling to door products with 4 9/16" base frame.
 - Mulling to 6 9/16" or 6 13/16" Inswing product is not supported

Unit Features

Simulated Divided Lites (SDL):

- SDL Bar (interior and exterior): 7/8" (22)
- Exterior bar: Ultrex®, finish to match exterior color
- Interior bar: ABS (Acrylonitrile Butadiene Styrene) for Stone White, Ebony.
- Pattern: equal and unequal rectangular, prairie

Grilles-Between-the-Glass (GBG):

- 23/32" (18) contoured aluminum bar
- Exterior: Standard is color-matched to the exterior. Customer-selection option is available.
- 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: Stone White, Ebony
- Pattern: equal and unequal rectangular, prairie

Jamb Extension:

- Only available as Configured parts to be used around perimeter of mull assembly.
- Pine painted White or Designer Black.
- Applied to the perimeter of a mull assembly with a frame depth of 4 9/16" only.
- Standard jamb depth is 2 1/4" (57). 4 9/16" (115) with mull spacer accessory included with mull kits.
- Extension available in two widths:
 - For 6 9/16" jamb depth, 37/64" (15) x 2" (50)
 - For 6 13/16" jamb depth, 37/64" (15) x 2 1/4" (57)

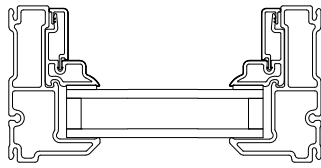
Installation:

- Factory applied folding nailing fin is standard.
- If specified on order, structural brackets for masonry applications are available in place of the folding nailing fin.
- If specified on the order, through-jamb screws are available in place of or in addition to the rigid nailing fin.

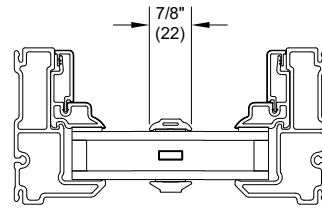
Exterior Casing:

- Only available as Configured Parts to be used around the perimeter of mull assembly.
- Material: Ultrex
- Non-integral to the unit.
- Field applied only
- Fastened to the exterior wall with barb and kerf:
- Options
 - 2" (51) Brick Mould Casing. Extends 1 11/16" (43) from frame.
 - 3 1/2" (89) flat casing available as full surround. Extends 3 3/16" (81) from frame.
 - Also available with 1" (25) ranch style header overhang.
 - Color selection may optionally differ from the exterior color selection of the window frame.

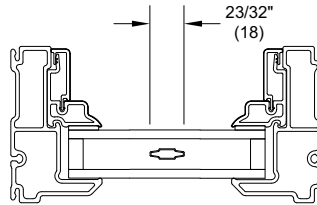
Lite Options



Insulating Glass



Insulating Glass
7/8" SDL w/ spacer bar



Insulating Glass
23/32" GBG

Minimum and Maximum Guidelines

Minimum and Maximum Guidelines - Direct Glaze Transom								
Unit Type	Frame Size							
	Min Width		Min Height		Max Width		Max Height	
	in	mm	in	mm	in	mm	in	mm
Rectangle	24 5/16	(618)	7	(178)	109	(2769)	32	(813)

NOTE: Additional limitations may apply, see OMS for details.

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
Vivid Direct Glaze Door Transom	1.57	10.5	50	CW-PG50-FW	83	(2108)	83 1/2	(2121)

Measurement Conversions - Direct Glaze Transoms

Unit Measurements		Width		Height*	
From	To				
Rough Opening		in	mm	in	mm
Masonry Opening	Rough Opening	+ 1/2	(13)	+ 1/4	(6)
OM of Frame	Rough Opening	+ 1	(25)	+ 1/2	(13)
Daylight Opening	Rough Opening	+ 4 51/64	(122)	+ 4 19/64	(109)
Frame		in	mm	in	mm
Daylight Opening	OM of Frame	+ 3 51/64	(96)	+ 3 51/64	(96)
Glass		in	mm	in	mm
Daylight Opening	Glass	+ 1 25/64	(35)	+ 1 25/64	(35)

For Direct Glaze Transom units mulled over a door, the basic frame height of the door must be added to the Height conversion. For example, to find the Rough Opening Height for a VNRECT-DG mulled above a door:

Mulled Assembly RO Height = (DG Frame OM Height) + (Door Frame OM Height) + 1/2 in.

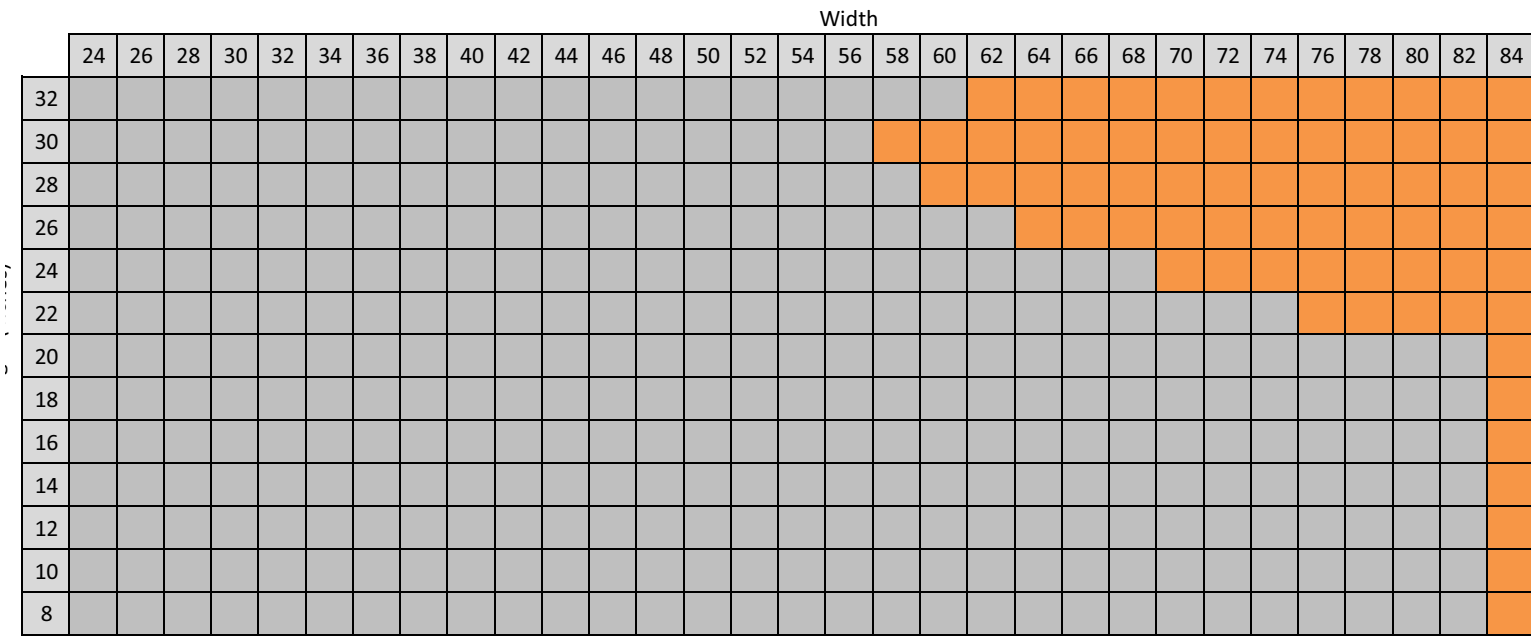
STC/OITC Glass Values

STC/OITC ratings are shown in the chart below. Vivid’s STC/OITC values are provided by third party ASTM testing and reports. The STC/OITC Upgrade option incorporates variable glass thickness or laminate (L) to increase STC/OITC performance and improve sound abatement.

Product Type	Exterior Glazing	Airspace	Interior Glazing or Center Glazing	STC	OITC
VNRECT-DG	1/8" (3.1)	3/4" (19.5)	1/8" (3.1)	29	23
	1/8" (3.1)	11/16" (17.5)	3/16" (4.7)	33	27
	1/8" (3.1)	5/8" (16.0)	1/4" (6.0L)	34	27

STC/OITC Charts

Availability Chart - Direct Glaze Door Transoms



 STC/OITC Upgrade Available

NOTE:
This chart is for reference only. For exact limits of STC/OITC upgrade, refer to OMS or contact a Vivid Sales & Support representative.

Mulling Guidelines - Full Frame Rectangle Assemblies**Field Mullled Assemblies:**

- Assemblies up to 1 unit wide by 2 units high
 - Max Certified Continuous Span x Tributary Height (Frame Size) not to exceed 71 1/4" (3658) x 49 3/4" (1842)

NOTE: Field mulling kits are available for mulling over Vivid sliding and swinging doors.

Field mulling beyond 110" x 112" is not recommended.

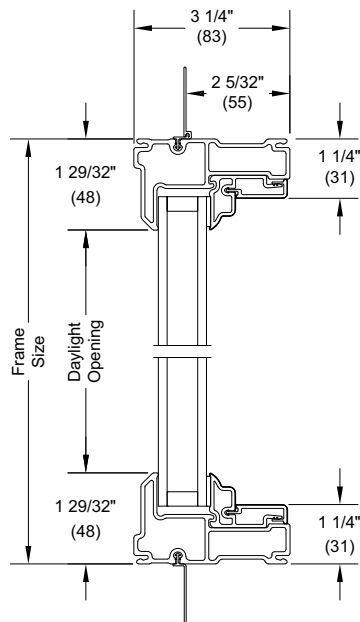
Rough Opening Assemblies:

- WIDTH:
 - Frame Width = Single unit Rough Opening width MINUS 1"
 - Total Rough Opening Width = ADD all frame widths PLUS 1"
- HEIGHT:
 - Frame Height = Single unit Rough Opening height MINUS 1/2"
 - Total Rough Opening Height = ADD all frame heights PLUS 1/2"

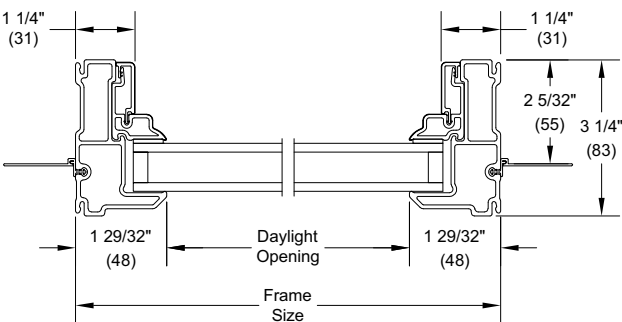
Section Details: Full Frame Transoms

Scale: 3" = 1' 0"

Dual Pane



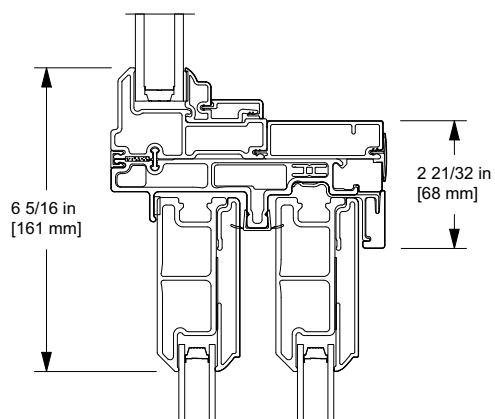
Head Jamb and Sill



Jambs

Section Details: Mullions

Scale: 3" = 1' 0"



Direct Glaze over
Sliding French Door

Direct Glaze Door Transom shown over a Vivid Sliding French Door. Can also be mullied above Vivid Sliding Patio Door, Vivid Inswing Doors, and Vivid Outswing Doors.

NOTE: Mull kits are available and include mull spacer accessory to allow mulling to door products with a 4 9/16" base frame. Mulling to 6 -9/16" o 6 13/16" Inswing product is not supported.