



Privacy Windows for Observation Control



betweenglassblinds™

Brought to you by:



1-866-466-9525
www.vistamatic.com

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Brought to you by VISTAMATIC®,
BetweenGlassBlinds™ is a versatile and
stylish product that provides privacy and
observation on any scale.

Utilizing the same hand crafted, high quality
manufacturing process of the VISTAMATIC®
Vision Panel, BetweenGlassBlinds™ is
designed to replace a standard integral blind
with a modern and maintenance-free privacy
window.

Features Include:

Maintenance-Free

USA Made

Operable by Magnet

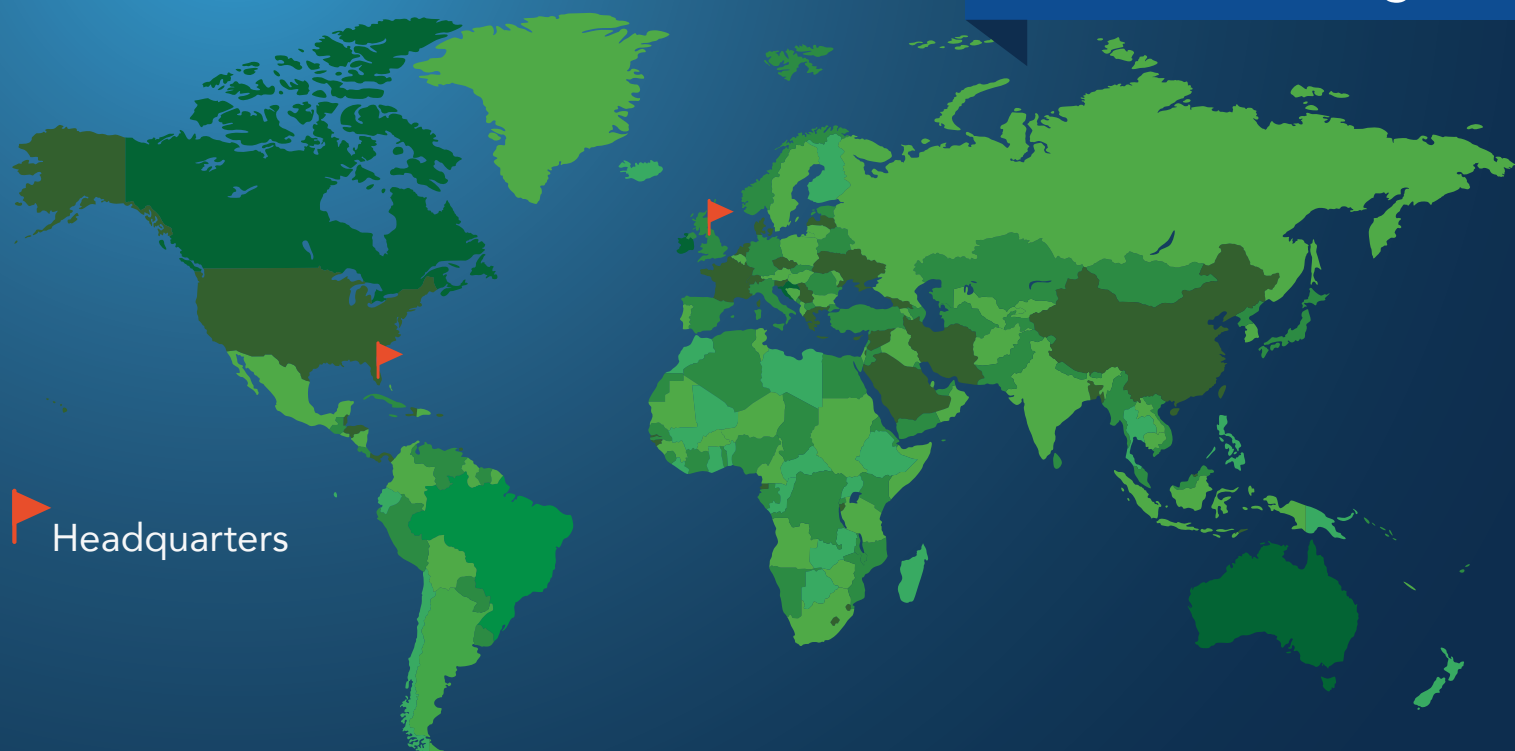
Easy Installation

Cost Saving Installation

Customized to Your Needs

10 Year Warranty

Global Coverage



BetweenGlassBlinds™ expanded into the Americas, Canada & Caribbean in 2005.

See All Projects at BetweenGlassBlinds.com

Featured Projects

New Western Health Center (AL) Connecticut
Children's Medical (CT) University of Florida
Health (FL)
HCA Lake City Hospital (FL)
Florida Hospital Tampa (FL)
University of Georgia Veterinary Hospital (GA)

Memorial Hermann Pavilion, Houston (TX)
Baylor Nursery Room, Dallas (TX)
VA Puget Sound, Seattle (WA)
Lenoir City Middle School, Lenoir City (TN)
Coutyard Marriott, Piqua (HO)
Outpatient Surgical Facility (Ambulatory Surgery Center), Bronx (NY)



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**Residential
Commercial
Education
High Security
Healthcare
and more...**

BetweenGlassBlinds™ are blinds sealed in-between two sheets of glass as a single, insulated panel that is operable by magnet or remote control.

BetweenGlassBlinds™ standard make-up consists of two 5/32" tempered sheets of glass with a 11/16" air cavity for a total thickness of 1".

An innovative integral blind system, the BetweenGlassBlinds™ product offers a sleek, maintenance-free and customizable observation control window for virtually any application, interior or exterior. To better suit your needs, the magnet can (upon installation) be secured on track provided or removable to restrict accessibility. In addition, to ensure quality and durability, all BetweenGlassBlinds™ are filled to prevent fogging and bowing.

Operable by Magnet No crankshaft, control knobs or thumb wheels.

**TILT
ONLY**



**TILT
&
LIFT**



Total standard unit is 1" thick

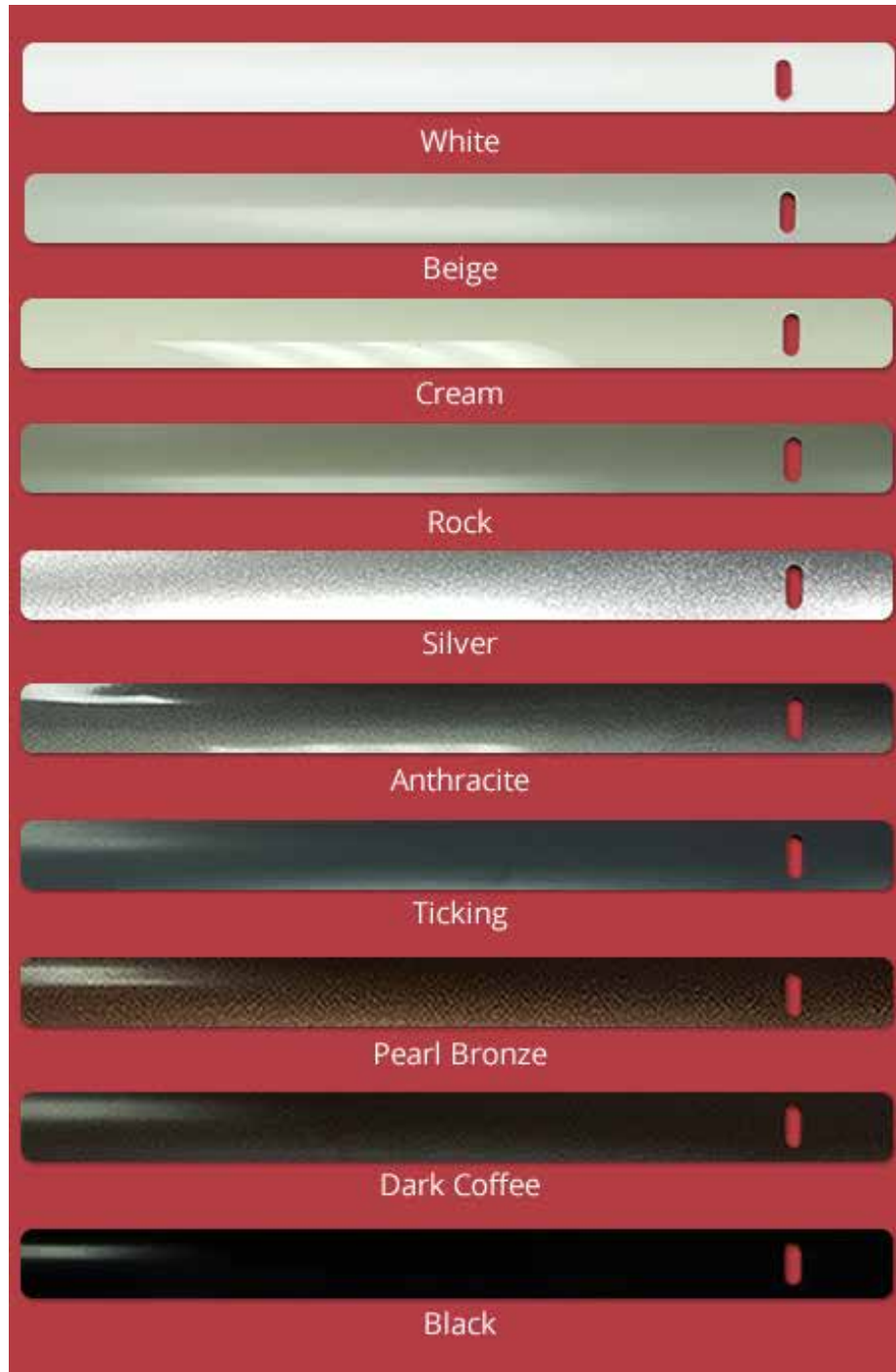
**DUAL
CONTROL**



Operable by magnet, the BetweenGlassBlinds™ Dual-Control panel provides convenience and usability. Our revolutionary dual operation mechanism adds another level of functionality enabling users to operate our integral blinds from either side; inside or outside of the room.

Blind Color Options

for Manually Operated Blinds



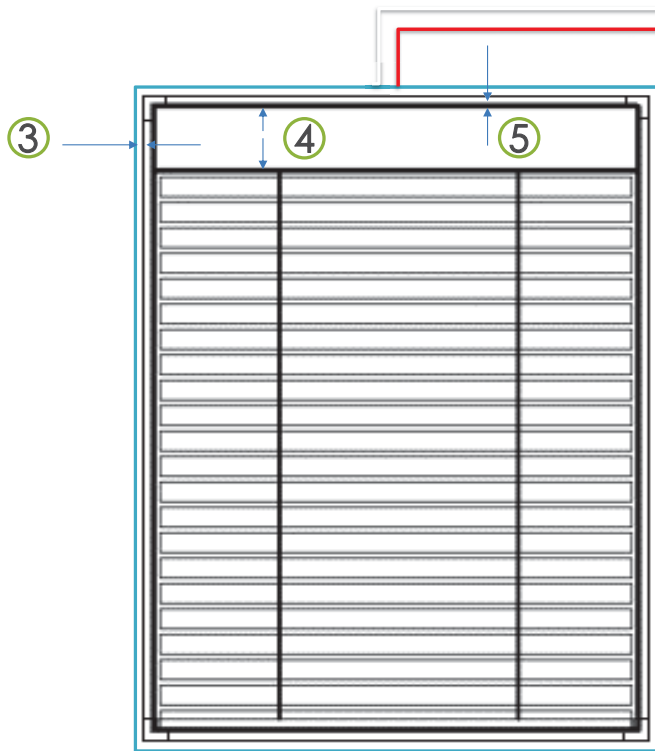


betweenglassblinds™

Motorized Unit

Blind Specification

Dimension



1. Slat width: 1/2 inch (12.5mm)
2. Spacer thickness: 3/4 inch (20mm)
3. Poly thickness: 1/4 inch (6mm)
4. Head rail height: 1-9/16 inch (40mm)
5. Spacer height: 5/16 inch (8mm)
6. Slat only available in colors:
White and Silver.

Blind Specification

Dimension

Capability grid (Inch)

	Width									
	Inches	16~19.99	20~22.99	23~46.99	47~58.99	59~65.99	66~77.99	78~85.99	86~97.99	98~106
Height	10~46.99	A	A	A	A	A	A	A	A	A
	47~58.99	A	A	A	A	A	A	A	A	X
	59~66.99	A	A	A	A	A	A	A	X	X
	67~77.99	A	A	A	A	A	A	X	X	X
	78~86.99	X	A	A	A	A	X	X	X	X
	87~97.99	X	A	A	A	X	X	X	X	X
	98~105.99	X	A	A	X	X	X	X	X	X
	106~118	X	X	A	X	X	X	X	X	X

Diagram Specification

Single Blind Wiring Diagram

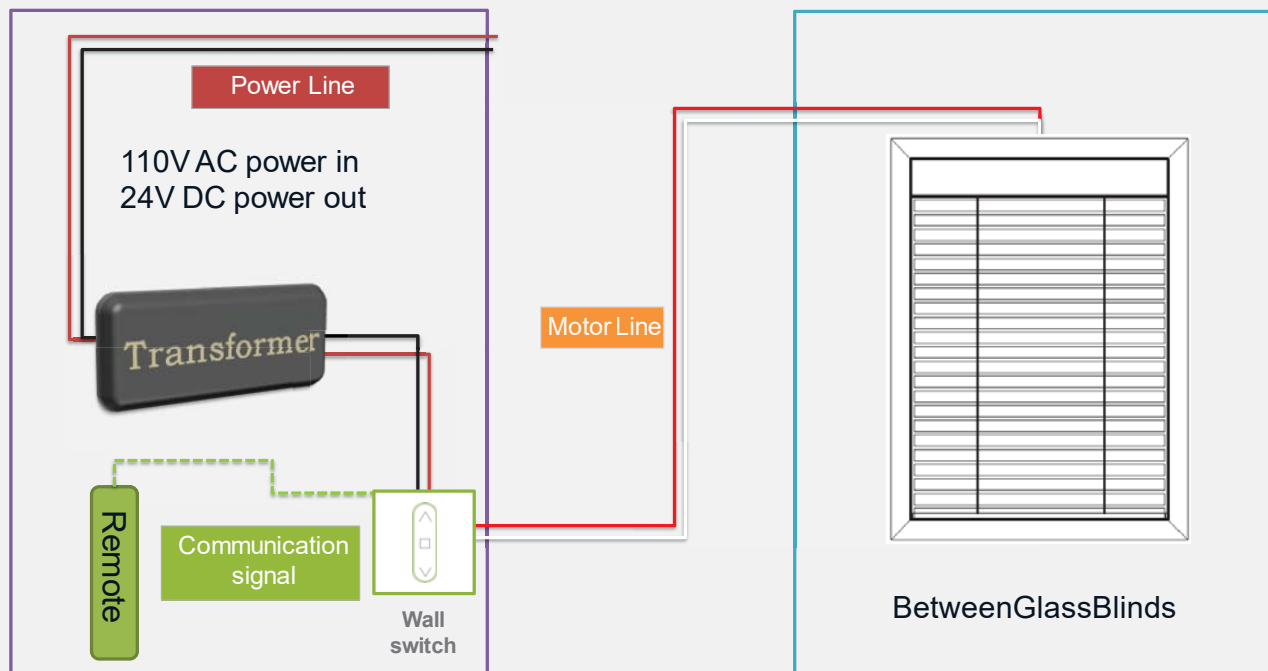


Diagram Specification

Multiple Unit Wiring Diagram

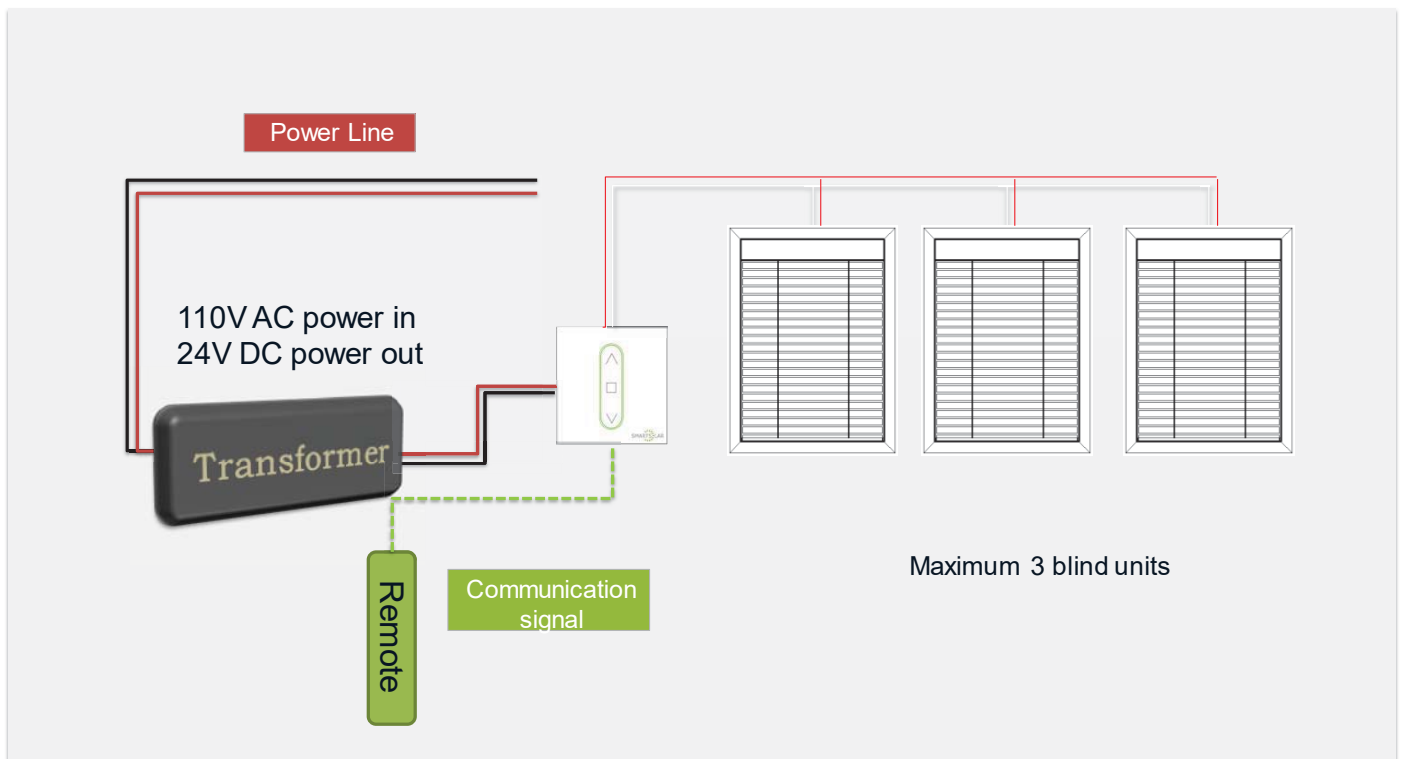
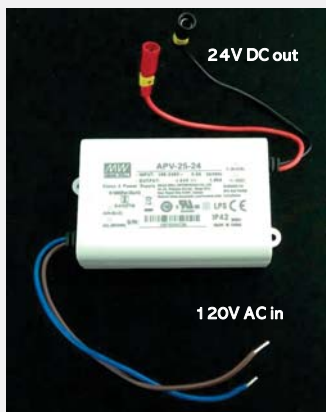
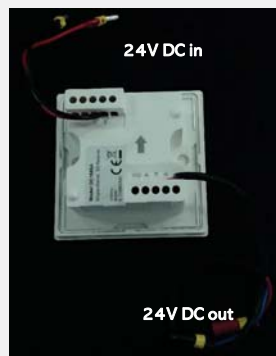


Diagram Specification

Wiring Diagram



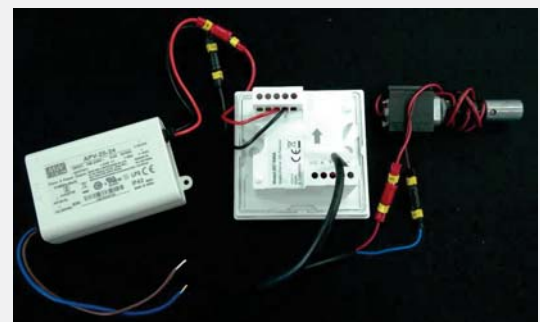
UL certified transformer



Wall switch



Motor in the panel



Control System Specification

Wall Switch Operation Manual



Up Fine Tuning/ Upward

- Single short press, the blinds will tilt up.
- Single long press, the blinds will open.



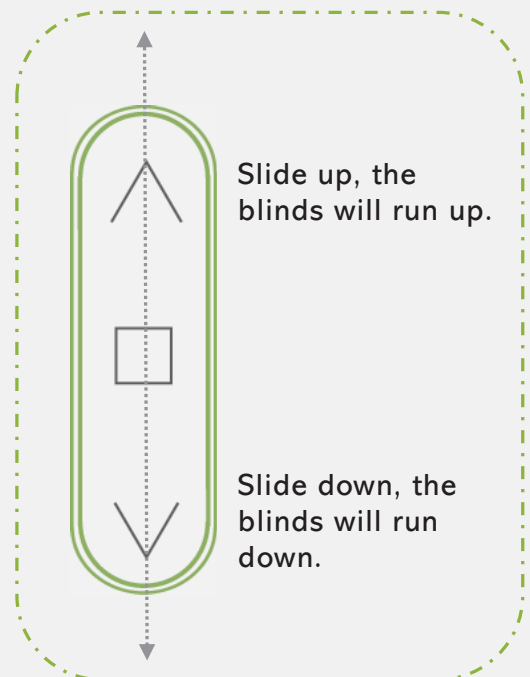
Stop / Auto

- Single short press, blinds stop running.
- Single long press, operation converts to auto mode. If installed, blinds will adjust according to sensor reading.



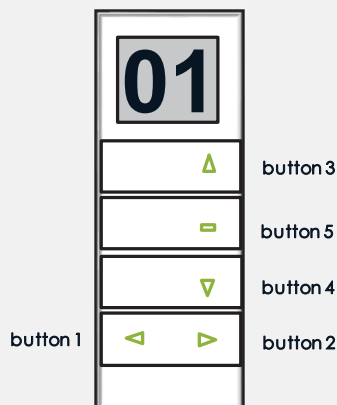
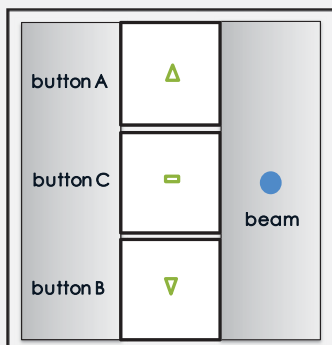
Down Fine Tuning / Downward

- Single press, the blinds will tilt down.
- Single long press, the blinds will close.



Control System Specification

Remote Operation Manual



1 Channel Setting

Setting:

- Hold button A and B simultaneously until beam flashes.
- Press button C to static illuminate beam.
- Select button 1 or 2 to change channel.(Do not need to select channel if it is a mono channel remote).
- Press button 3 (beam flashes 3 times).
- Channel "0" can control all wall switches by this remote.

Break the linkage between wall switch and remote

- Hold button C and B together until the beam flashes.

2 Blinds operation with remote

- Hold button 3 or 4, raise or lower the blinds.
- Hold button 5, stop the blinds.
- Hold key 3 for approx. 2 seconds to tilt the blinds up.
- Hold key 4 for approx. 2 seconds to tilt the blinds down.

BLIND STYLES

Venetian

GLAZING/GLASS

Lead

Fire Rated

*Polycarbonate

Bullet Resistant

Laminated

Tempered Glass / Colored Tempered

*Laser Polymer

*Impact Glass

*LOW-E

FUNCTIONALITY

Tilt Only

Tilt & Lift

Motorized Units

MAGNET PLACEMENT

Right or left side - Top, Center or Bottom

Parallel (Tilt & Lift Option)

*Restrictions apply

We proudly offer the option to *supply hollow metal framing cut to your specifications with your BetweenGlassBlinds™ panel.

* BetweenGlassBlinds™ does not manufacture the hollow metal framing.

HOLLOW METAL FRAMING



betweenglassblinds™

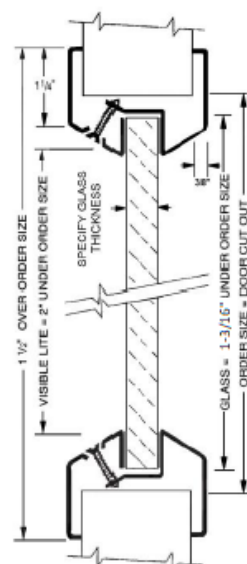
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VISTAMATIC - Hollow Metal Framing

Recommended for Applications Requiring Safety and or Insulated Glazing

SPECIFICATIONS:

Material:	20 gauge CRS frame. Min Size 3" x 3", Max 60" x 104".
Construction:	1-1/4" trim with radius corners, mitered and welded. Continuous glass retainer, countersunk mounting holes either in the bevel or on the face of the non-corridor side, depending on thickness required. Frame projects 3/8".
Door:	1-3/8" - 2-1/2" door. Specify door thickness: _____ Door cutout = order size.
Fasteners:	#12 x 1" Tamper proof screws.
Powder Coat Finishes:	____ (P) Primed for paint (standard) VISTAMATIC can match any RAL number. *An additional cost will apply
Customization:	<ul style="list-style-type: none"> • Lead Lined
Wall:	4-3/8" - 7-1/2" wall. Specify wall thickness: _____ Wall cutout = order size.
Glass:	<p>_____ " Glass Thickness Will Be Used for this Order</p> <p>Visible light is 2" under rough opening size. <u>Glass is 1-3/16" under order size.</u> Must specify glass thickness above.</p>



Order Format:


W

H

Color

Glass Thickness

Interpretation of Fire and Building Codes May Vary. Consult with the Local Authority Having Jurisdiction (AHJ) to determine appropriate standards.

 ISTATMMATIC Privacy Glass Solutions	Distributor:	Width: _____ x Height: _____
	Architect:	Quantity: _____ Thickness: _____
	Contractor:	Glass Thickness: _____
	Project:	Date: _____

Interior & Exterior



Commercial

COMMERCIAL OFFICES, STORE FRONTS, OFFICE BUILDINGS, CONFERENCE ROOMS, BUILDING ENVELOPES, ETC.



Residential

LARGE DOOR PANELS, SCREENS, SLIDING DOORS, FLOOR-TO-CEILING PARTITIONING SYSTEMS, FRONT DOORS, ETC.



High Security Environments

CORRECTIONAL FACILITIES, BANKS, POLICE STATIONS, COURT HOUSES, GOVERNMENT BUILDINGS, MUNICIPALITIES, ETC.



Education

UNIVERSITIES, GRADE SCHOOLS, NURSERIES, ETC.

BetweenGlassBlinds™
can be used in any application where
privacy and observation controls are needed

Roving Sample Box

Interested in seeing a **BetweenGlassBlinds™ Vision Panel in person?** If you are interested in implementing **BetweenGlassBlinds™** in your next project and would like to see it in person, **BetweenGlassBlinds™** sends out a travelling sample box that **contains a sample BetweenGlassBlinds™ panel, blind color samples, and some literature for you to review.**



+Share with colleagues
+Join our webinar
+Request a conference call

Request the Roving Sample Box



Call us at 1-866-466-9525
OR

Scan or click the QR code on the left to send us
an e-mail with your information.

Why is it called,
"Roving Sample Box?"

Because it's an eco-friendly,
travelling sample box that
travels
from client to client.

Request a Quote/Order



CALL US!

1-866-466-9525

BetweenGlassBlinds™ Architectural Sales
Consultants are available Monday-Friday
9AM-5PM (EST) for all of your consulting needs.

E-MAIL US!

QuoteMe@BetweenGlassBlinds.com

Simply e-mail us to request a call back or with
information of the product and options you
would like quoted.





10 Year Warranty

Against Faulty Manufacturing

During a period of ten (10) years from the date of manufacturing of BetweenGlassBlinds product, is warranted to be free from significant defects in material or workmanship. This warranty extends only to the original purchaser of the product(s) covered by the Warranty and is non-transferable. This Warranty is only effective if installation of the product(s) is completed in exact accordance with BetweenGlassBlinds instructions and/or specifications.

Terms and Conditions

The obligations of BetweenGlassBlinds under this warranty are limited to the replacement of the product(s) or the defective parts of the product(s). BetweenGlassBlinds is responsible to replace the defective parts only and is not liable for any expenses involved in the removal of defective parts, installation of replacement parts, or any other incidental or consequential damages related thereto. BetweenGlassBlinds reserves the right to determine whether or not a defect exists for which it is responsible under this Warranty. During the first five years following the purchase date, warranty coverage is 100% of the replaced product. During the sixth & seventh year following the purchase date, warranty coverage is 50% of the replaced product. During the eighth - tenth year following the purchase date, warranty coverage is 25% of the replaced product. This Warranty is the only Warranty extended and is the purchaser's sole and exclusive remedy. Warranty claims must be filed with thirty (30) days of the product failure or purchaser's right to file such warranty claim shall be waived. Purchaser understands and agrees that under no circumstances shall BetweenGlassBlinds be liable for any remedy other than those expressly set forth herein and that BetweenGlassBlinds shall not be responsible for any consequential, incidental, economic, direct, indirect, general and special or punitive damages arising hereunder, out of any cause whatsoever. In the event any other terms herein is found to be unconscionable or unenforceable, the waiver hereunder of consequential, incidental and other damages shall remain in full force and effect.

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www.VISTAMATIC.com



VISTAMATIC, LLC



betweenglassblinds™

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www.vistamatic.com

Size Chart - Tilt Only

for Manually Operated Blinds

Tilt Only

4mm	Width																							
Height			10	12	16	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84	88	92
		inch	11.99	15.99	19.99	23.99	27.99	31.99	35.99	39.99	43.99	47.99	51.99	55.99	59.99	63.99	67.99	71.99	75.99	79.99	83.99	87.99	91.99	95.99
	14.5	15.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	16	19.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	20	23.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	24	27.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	28	31.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	32	35.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	36	39.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	40	43.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	44	47.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	48	51.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	52	55.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	56	59.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	60	63.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	64	67.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	68	71.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	72	75.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	76	79.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	80	83.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X
	84	87.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	X
	88	91.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	X	X
	92	95.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	X	X
	96	99.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	X	X	X

Size Chart - Tilt & Lift

Tilt & Lift/ Raise

4mm		Width																							
Height			10	12	16	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84	88	92	
		inch	11.99	15.99	19.99	23.99	27.99	31.99	35.99	39.99	43.99	47.99	51.99	55.99	59.99	63.99	67.99	71.99	75.99	79.99	83.99	87.99	91.99	95.99	
	14.5	15.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	X	X	X	
	16	19.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	X	X	X	
	20	23.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	X	X	X	
	24	27.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	X	X	X	
	28	31.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	X	X	X	
	32	35.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	X	X	X	
	36	39.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	X	X	X	
	40	43.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	X	X	X	
	44	47.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	X	X	X	
	48	51.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	X	X	X	
	52	55.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	X	X	X	
	56	59.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	X	X	X	
	60	63.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	X	X	X	
	64	67.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	X	X	X	
	68	71.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	X	X	X	X	
	72	75.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	X	X	X	X	X	
	76	79.99	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	X	X	X	X	X	X	
	80	83.99	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	X	X	X	X	X	X	X	
	84	87.99	A	A	A	A	A	A	A	A	A	A	A	X	X	X	X	X	X	X	X	X	X	X	
	88	91.99	A	A	A	A	A	A	A	A	A	A	X	X	X	X	X	X	X	X	X	X	X	X	
	92	95.99	A	A	A	A	A	A	A	A	A	X	X	X	X	X	X	X	X	X	X	X	X	X	
	96	99.99	A	A	A	A	A	A	A	A	A	X	X	X	X	X	X	X	X	X	X	X	X	X	



Size Chart - Dual-control

Tilt & lift - Dual Control

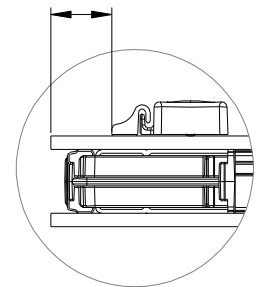
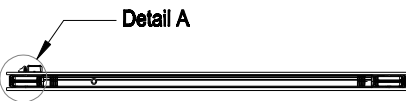
4mm		Width																					
		10	12	16	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84	88	92
	inch	11.99	15.99	19.99	23.99	27.99	31.99	35.99	39.99	43.99	47.99	51.99	55.99	59.99	63.99	67.99	71.99	75.99	79.99	83.99	87.99	91.99	95.99
Height	14.5	15.99	A	A	A	A	A	A	A	A	A	X	X	X	X	X	X	X	X	X	X	X	X
	16	19.99	A	A	A	A	A	A	A	A	A	X	X	X	X	X	X	X	X	X	X	X	X
	20	23.99	A	A	A	A	A	A	A	A	A	X	X	X	X	X	X	X	X	X	X	X	X
	24	27.99	A	A	A	A	A	A	A	A	A	X	X	X	X	X	X	X	X	X	X	X	X
	28	31.99	A	A	A	A	A	A	A	A	A	X	X	X	X	X	X	X	X	X	X	X	X
	32	35.99	A	A	A	A	A	A	A	A	A	X	X	X	X	X	X	X	X	X	X	X	X
	36	39.99	A	A	A	A	A	A	A	A	A	X	X	X	X	X	X	X	X	X	X	X	X
	40	43.99	A	A	A	A	A	A	A	A	A	X	X	X	X	X	X	X	X	X	X	X	X
	44	47.99	A	A	A	A	A	A	A	A	A	X	X	X	X	X	X	X	X	X	X	X	X
	48	51.99	A	A	A	A	A	A	A	A	A	X	X	X	X	X	X	X	X	X	X	X	X
	52	55.99	A	A	A	A	A	A	A	A	A	X	X	X	X	X	X	X	X	X	X	X	X
	56	59.99	A	A	A	A	A	A	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	60	63.99	A	A	A	A	A	A	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	64	67.99	A	A	A	A	A	A	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	68	71.99	A	A	A	A	A	A	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	72	75.99	A	A	A	A	A	A	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	76	79.99	A	A	A	A	A	A	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	80	83.99	A	A	A	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	84	87.99	A	A	A	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	88	91.99	A	A	A	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	92	95.99	A	A	A	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	96	99.99	A	A	A	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Size Chart - Dual-control

Tilt Only - Dual Control

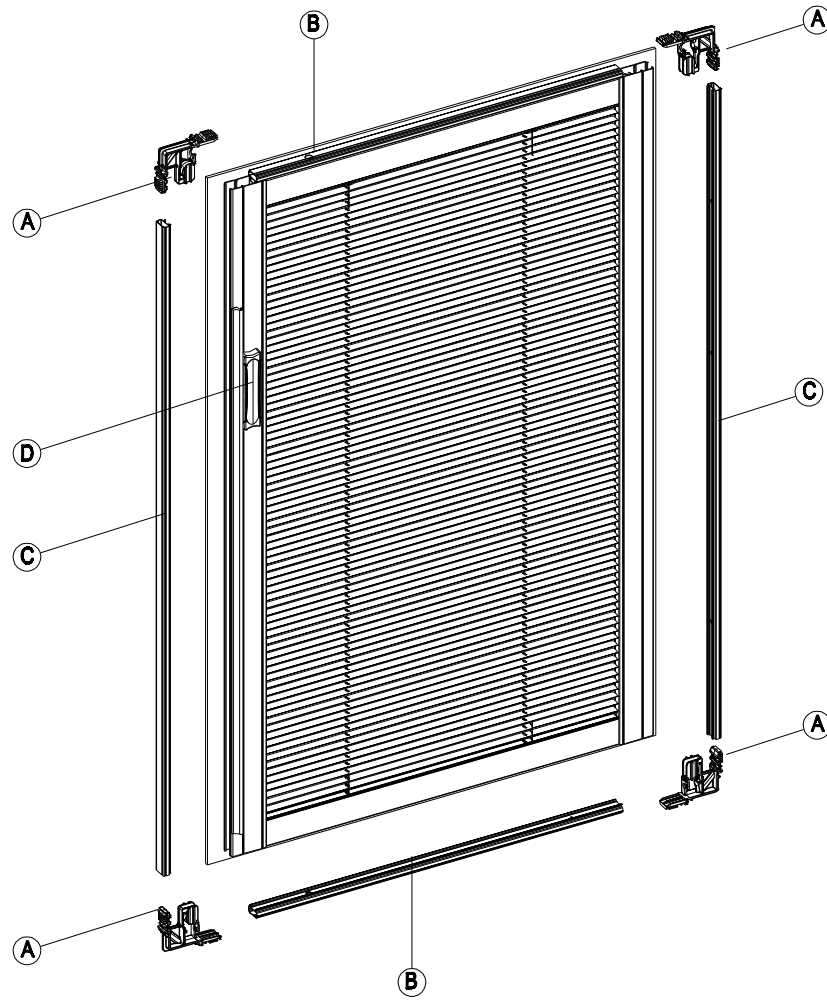
4mm		Width																					
		10	12	16	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84	88	92
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Height	14.5	15.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
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	20	23.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
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	28	31.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
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	36	39.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	40	43.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	44	47.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	48	51.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
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	56	59.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
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	64	67.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X
	68	71.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X
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	76	79.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	X	X
	80	83.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	X	X	X
	84	87.99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	X	X	X	X
	88	91.99	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	X	X	X	X	X
	92	95.99	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	X	X	X	X	X
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CAD Drawings - Tilt only

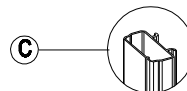


Detail A
Scale=5:1

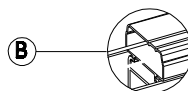
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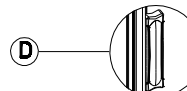
Corner Key



Side Spacer



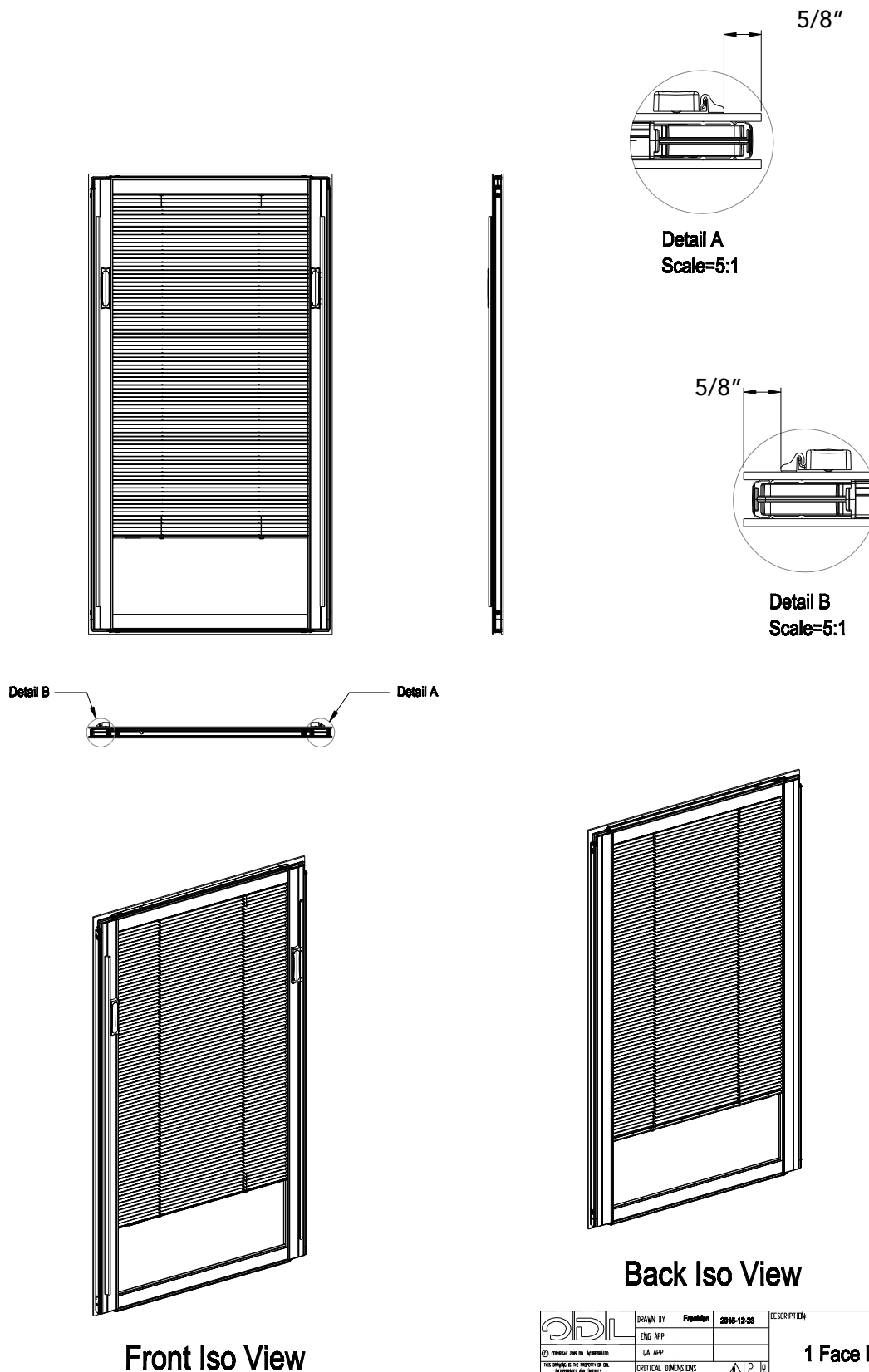
Headrail



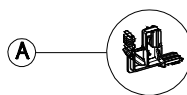
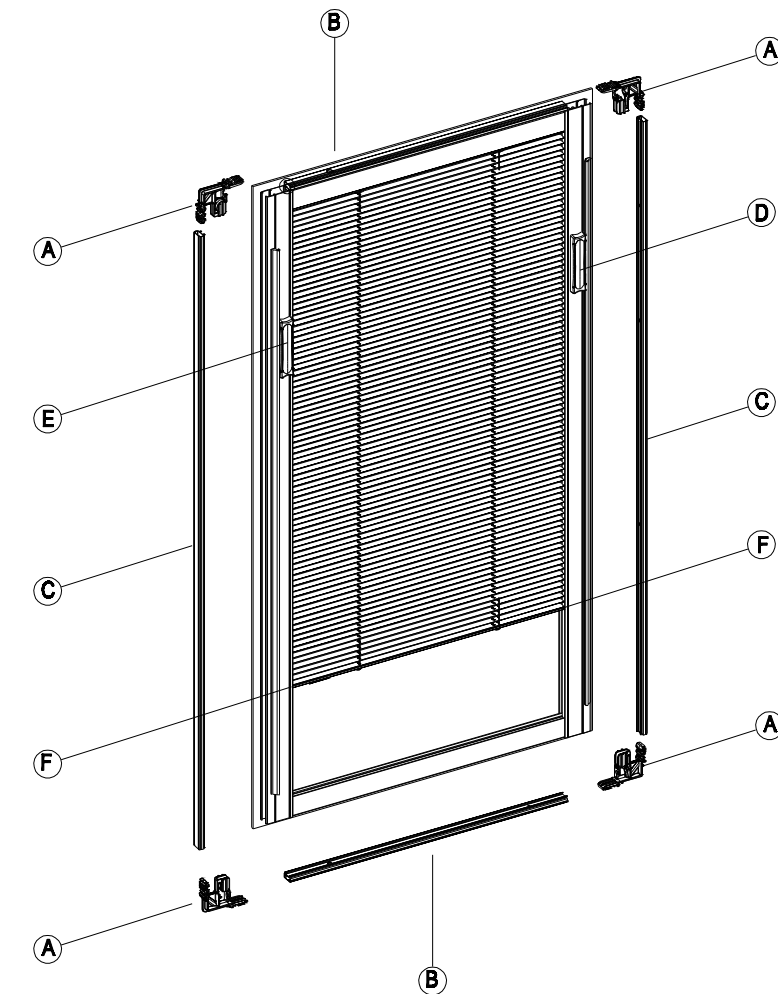
Left Tilt Operator

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	ENG APP			
	QA APP			
	CRITICAL DIMENSIONS			
<p>IMPERIAL UNITS</p> <p>0.00 ± .10 ANGLE TOL. ± .50°</p> <p>0.00 ± .20 DRAFT TOL. ± .25°</p> <p>0 ± .50 ± .00°</p> <p>THIRD ANGLE PROJECTION</p>	<p>1 Face Side Tilt Only</p> <p>3D FILE NAME</p> <p>SIZE DWG NO. SC=100 SHEET 2 OF 2 REV. A</p>			

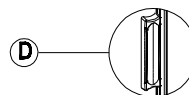
CAD Drawings - Tilt & Lift



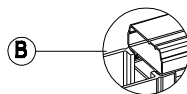
	DRAWN BY: Frederick ENG APP: 2010-10-20 QA APP:	DESCRIPTION: 1 Face Lift & Tilt	
	CRITICAL DIMENSIONS: $\Delta 2.0$ CONTROL DIMENSIONS: $\Delta 2.1$ IMPERIAL UNITS .000 $\pm .10$ ANGLE TOL. $\pm .5^\circ$.01 $\pm .25$ DRAFT TOL. $\pm .25$.2 $\pm .50$	3D FILE NAME: SIZE: 11x17 DATE: 10/20/10 REV: A	SHEET 1 OF 2 REV: A



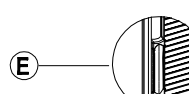
Corner Key



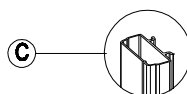
Lift Operator



Headrail



Tilt Operator



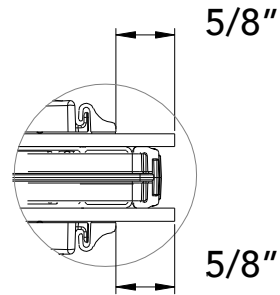
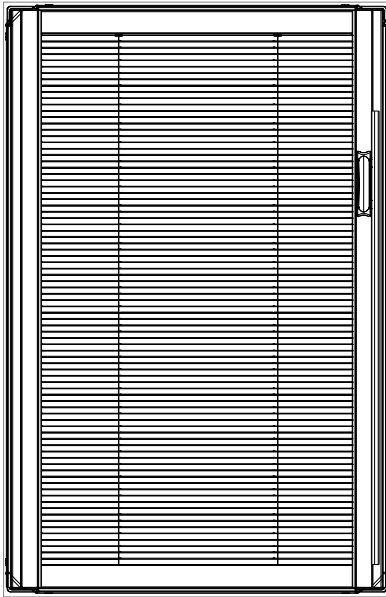
Side Spacer



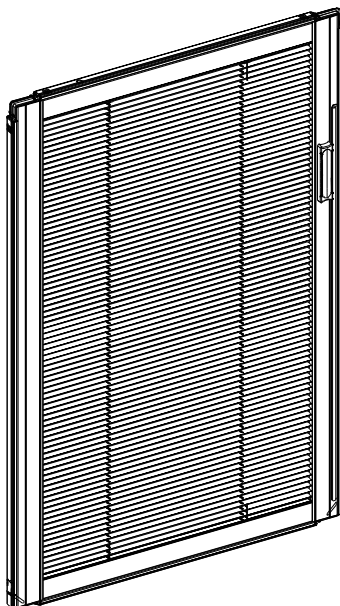
Bottom Rail

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	CRITICAL DIMENSIONS CONTROL DIMENSIONS	3D FILE NAME: SC-1100
	IMPERIAL UNITS 100 ± 30 ANGLE TOL. ± 50° 20 ± 20 DRAFT TOL. ± 25° 50 ± 50 DRAFT TOL. ± 30°	SIZE: 11x11 SHEET: 2 OF 2 REV: A
	THIRD ANGLE PROJECTION	FILE: PRINTED/3/14/2011

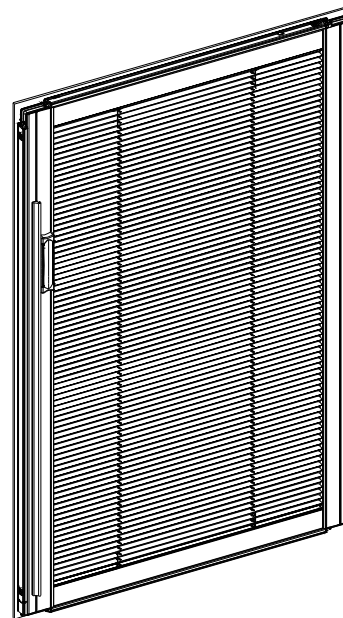
CAD Drawings - Dual Control




Detail A
Scale=5:1



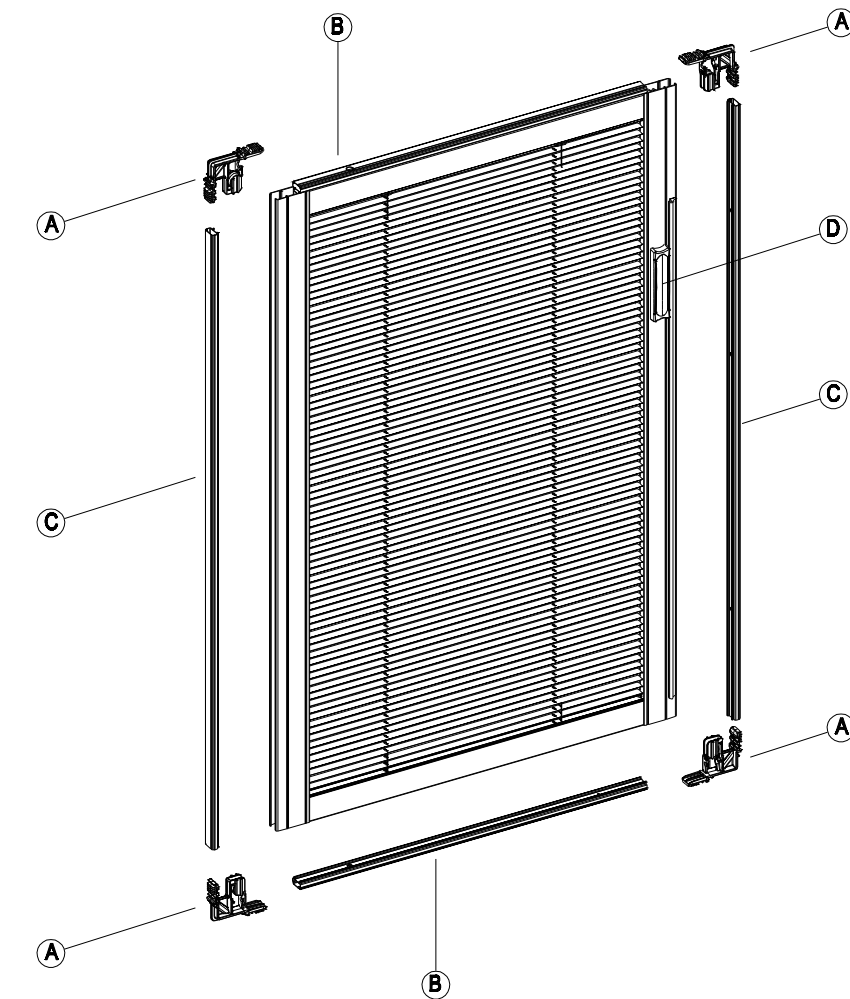
Front Iso View



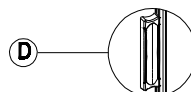
Back Iso View

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	ENG APP			<div>Twins Side Tilt Only</div>	
	DA APP				
	<p>© COPYRIGHT 2006 ALL RIGHTS RESERVED</p>	CRITICAL DIMENSIONS			3D FILE NAME

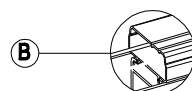
CAD Drawings - Dual Control



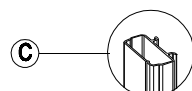
Corner Key




Tilt Operator



Headrail



Side Spacer

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	ENG APP			Twins Side Tilt Only		
	DA APP					
	CRITICAL DIMENSIONS			20 FILE NAME		
CONTROL DIMENSIONS			20 FILE NAME			
IMPERIAL UNITS						
0.00	± .00	ANGLE TOL.	± .50°	SIZE	TWIG TOL.	
.00	± .20	DRAFT TOL.	± .25°	SC-1.00	SHEET 2 OF 2	
0	± .50		± .00°	REV.	A	
THIRD ANGLE PROJECTION						

Visible Light Transmission Report

The following test results indicate that the Aluminum Blind Window is an ideal solution for creating a blackout effect where little to no light is transmitted through the window. In addition, the Aluminum Blind Window report shows that little to no UV rays are able to penetrate if exposed.



100 East Glenside Avenue, Glenside, PA 19038
Phone: (215) 517-8700, Fax: (215) 517-8747

Website: www.solarlight.com
E-mail: info@solarlight.com

Visible Transmission Test Report

Using the HUNTER CQ-XE

Analyzed for: VISTAMATIC	Work Order # 15905	Measurement Date 8/15/2014 Test Report Date 8/19/2014
--------------------------	--------------------	--

Sample Information

Sample :	Sample Description:		
1	Aluminum blind window	'Between Glass Blinds	A Side to source – Rel. Trans.

Transmission Results

Number of Specimens Analyzed: Four, each scanned at 5 locations; measurements 400 – 700 nm on each sample.

	Visible Light Transmission Results :	Average (T _i)	Standard Deviation:
1	All 5 locations T < 0.9% , 4 locations < 0.25% Relative	0.26%	.31
	One location (with holes) had the higher transmission, each mode	0.15%	
	Average Transmissions without outliers:	0.06%	
	All 5 locations T < 2.1% , 4 locations < 0.13% Total	0.44%	.82

Measurement process: The spectrophotometer was warmed-up for a minimum of 30 min. The apparatus was then standardized for the specific mode of operation, Relative Transmission, or Total Transmission. Each sample was set into the spectrophotometer and scanned according to the standard procedure.

Measurements recorded by: 

Report Date: August 19, 2014 Rev 2.0

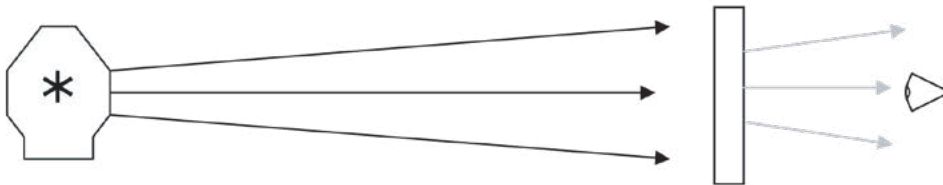


between glass blinds™

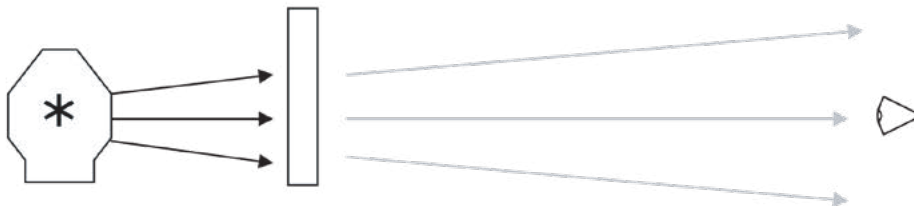
1-866-466-9525
www.vistamatic.com

The measurements have been performed in order to demonstrate the light transmission properties in two ways, **Relative**, and **Total**.

The **Relative** transmission is approximately the visible light transmission that will be provided when the observer is close to the sample and the source is more distant.



The **Total** transmission is approximately the visible light transmission that will be provided when the source is close to the sample and the observer is more distant.



Review of Results

These samples of combined glass / shade materials provide different levels of transmission of visible light. The Black vinyl transmits only a very small amount of light. The Aluminum blind 'Between Glass Blinds' sample had a low light transmission, although, light can leer through the holes in the blinds, shifting upward the average when that location is included.

Summary of Relative Transmission Averages

Between Glass Blinds	0.255	0.145	Avg. w/o outlier

Summary of Total Transmission Averages

Between Glass Blinds	0.441	0.060	Avg. w/o outlier



between glass blinds

Measurements recorded by:

Report Date: August 19, 2014

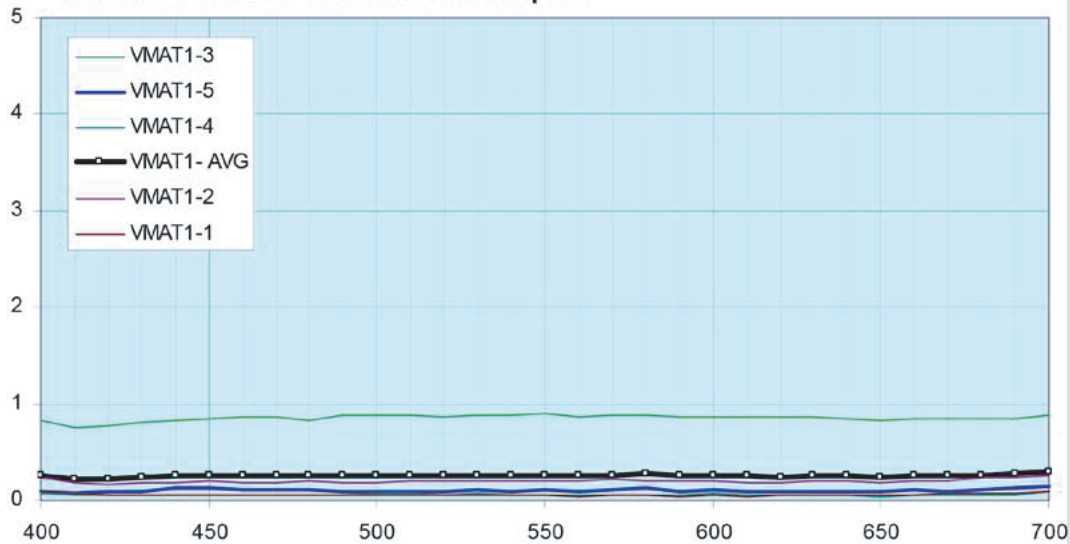
Rev 2.0

1-866-466-9525

www.vistamatic.com

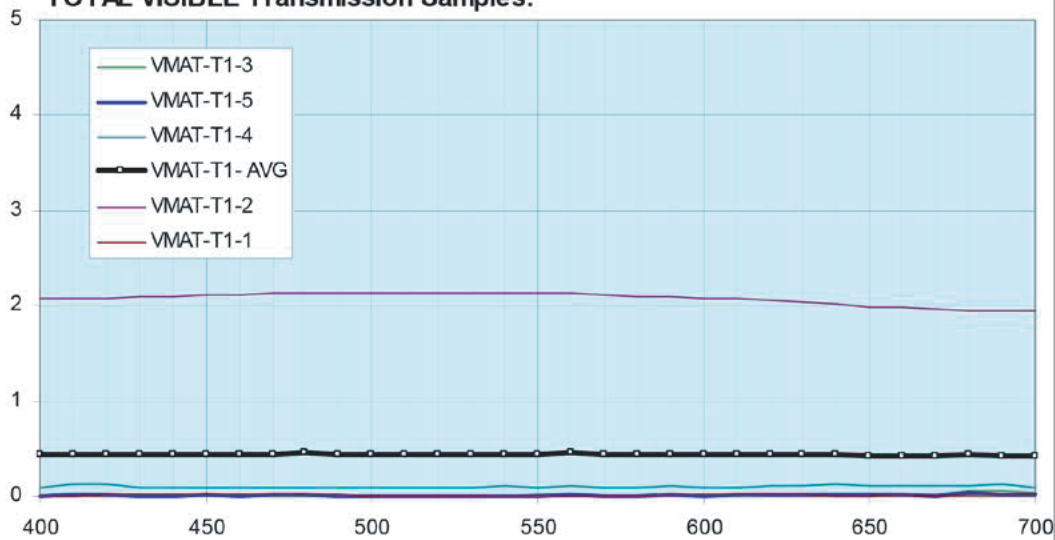
Spectral Charts

RELATIVE VISIBLE Transmission Samples:



SAMPLE 1
RELATIVE

TOTAL VISIBLE Transmission Samples:



SAMPLE 1

Measurements recorded by: 

Report Date: August 19, 2014 Rev 2.0

Ultraviolet Transmission Test Report

Using the LabSphere UV-1000F

Analyzed for: VISTAMATIC	Work Order # 15905	Measurement Date 8/15/2014 Test Report Date 8/18/2014
--------------------------	--------------------	--

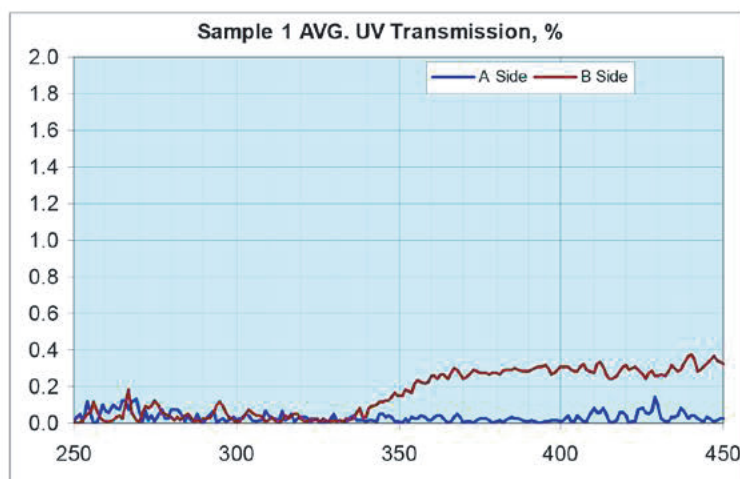
Sample Information

Sample :	Sample Description:		
1	Aluminum blind window	A Side	'Between Glass Blinds
		B Side	

Transmission Results

Number of Specimens Analyzed: Four, each side scanned at 4 locations; measurements 250 – 450 nm on each sample.

Sample	Side	Results :	Average (ABS(T _i))	Standard Deviation:
1	A	All 4 locations T < 0.3%	0.3%	.049
	B	3 of 4 locations T < 0.2% <i>one leaked light at ≈ 0.5%</i>	0.16%	.291



Measurements recorded by: [Signature] Report Date: August 19, 2014 Rev 2.0



100 East Glenside Avenue, Glenside, PA 19038
Phone: (215) 517-8700, Fax: (215) 517-8747

Website: www.solarlight.com
E-mail: info@solarlight.com

Review of Results

These samples of combined glass / shade materials provide different levels of protection against solar ultraviolet radiation (UVR).

Samples 1, provide a high degree of UV blocking; the presence of individual sample light leaking for one location each in sample 1 is likely an artifact of the thickness of the test sample.

The results in this report are applicable to the sample tested and may not apply to other batches of the same material or similar materials. It is a condition of the provision of these test results that you do not use the name of the Test Lab, Solar Light, or any words, marks or devices which may imply a connection with Solar Light, in connection with the promotion or sale of your products, unless Solar Light has given express written authority to do so. This test report may only be reproduced in full and without alteration.

Work Order#	
Date of measurement	
Engineer	<i>Drew Hmiel</i>
Measurement System	<i>UV-1000F</i>
Laboratory Conditions	
Temperature	<i>27.5°C</i>
Humidity	<i>30.1 %</i>

Statistical Uncertainties

Total Measurement Uncertainty:

Coverage Factor (99% confidence):

The maximum instrumental contribution to the uncertainty in the transmittance values T(%) used to calculate the results is 0.3 at the 99% confidence level.

Measurements recorded by: 

Report Date: August 19, 2014 Rev 2.0



between glass blinds™

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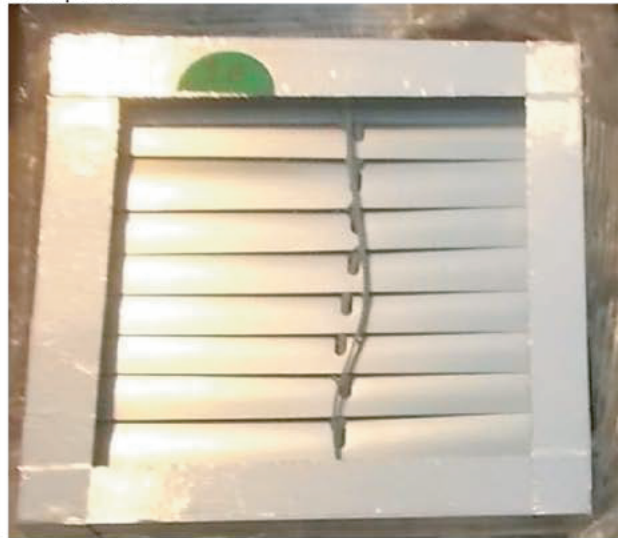
APPENDIX

Sample 1A



Measurements recorded by:  Report Date: August 19, 2014 Rev 2.0

Sample 1B



Measurements recorded by:  Report Date: August 19, 2014 Rev 2.0

The following test results indicate that the BetweenGlassBlinds with Magnetic Operation has an STC rating of 39. The BetweenGlassBlinds Panel tested was constructed as such: sheet of 5/32 inch tempered glass, airspace of .72 inch, and 1/2 inch laminated sheet of glass.

The overall dimension of the BetweenGlassBlinds Panel tested was 47.75 inches wide, by 47.75 inches high, and 1.38 inch thick.

Conclusion:

Considering the thinness of the BetweenGlassBlinds Panel, the STC rating of 39 is arguably a better rating than other integral blind options on the market.

If a higher STC rating is required, it is recommended to request thicker laminated glass on both sides of the Panel.

RIVERBANK ACOUSTICAL LABORATORIES

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Alion Science and Technology

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WALLACE CLEMENT SABINE

TEST REPORT

FOR: Vistamatic
Coral Springs, FL.

Sound Transmission Loss
RAL™-TL14-331

CONDUCTED: 2014-09-12

Page 1 of 6

ON: BetweenGlassBlinds™ with Magnetic Operation (5/32 in. Tempered / Airspace / 1/2 in. Laminated)

TEST METHOD

Unless otherwise designated, the measurements reported below were made with all facilities and procedures in explicit conformity with the ASTM Designations E90-09 and E413-10, as well as other pertinent standards. Riverbank Acoustical Laboratories has been accredited by the U.S. Department of Commerce, National Institute of Standards and Technology (NIST) under the National Voluntary Laboratory Accreditation Program (NVLAP) for this test procedure (NVLAP Lab Code: 100227-0). A description of the measuring technique is available separately.

DESCRIPTION OF THE SPECIMEN

The manufacturer's designation of the specimen was as follows: BetweenGlassBlinds™ with Magnetic Operation (5/32 in. Tempered / Airspace / 1/2 in. Laminated). A visual inspection verified the manufacturer's description of the specimen, further disclosing a non-operable window unit. As measured with a laser glass thickness gauge, the insulated glazing consisted of (source side) a 4.06 mm (0.16 in.) tempered glazing, a 18.29 mm (0.72 in.) airspace, and a 11.94 mm (0.47 in.) laminated glazing (receive side). The internal blinds were closed during this test.

The overall dimensions of the specimen as measured were nominally 1.21 m (47.75 in.) wide by 1.21 m (47.75 in.) high and 34.92 mm (1.38 in.) thick. The specimen was tested in the 1.22 m (4.0 ft.) by 2.44 m (8.0 ft.) test opening. A substantial filler wall was used in the remaining open area. Both the filler wall and test specimen were sealed on the periphery (both sides) with dense mastic. The transmission area used in the calculations was 1.5 m² (16.0 ft²). The weight of the specimen as measured was 61.9 kg (136.5 lbs.), an average of 42.1 kg/m² (8.6 lbs/ft²).

The source and receive reverberation room volumes were 178 m³ (6,298 ft³) and 133 m³ (4,701 ft³), respectively. The source room temperature at the time of the test was 22±0°C (72±0°F) and 51±1% relative humidity. The receiving room temperature at the time of the test was 23±0°C (73±0°F) and 53±1% relative humidity.

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TEST REPORT

Vistamatic
2014-09-12

RAL™-TL14-331
Page 2 of 6



Figure 1 - Specimen mounted in the test frame.



Figure 2 - Detail of test specimen.



NVLAP LAB CODE 100227-0

THE RESULTS REPORTED APPLY ONLY TO THE SPECIFIC SAMPLE SUBMITTED FOR MEASUREMENT; RAL ASSUMES NO RESPONSIBILITY FOR THE PERFORMANCE OF ANY OTHER SPECIMEN.

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TEST REPORT

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2014-09-12

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Page 3 of 6

TEST RESULTS

Sound transmission loss values are tabulated at the eighteen standard frequencies. A graphic presentation of the data and additional information appear on the following pages. The precision of the TL test data is within the limits set by the ASTM Standard E90-09.

<u>FREQ.</u>	<u>T.L.</u>	<u>C.L.</u>	<u>DEF.</u>	<u>FREQ.</u>	<u>T.L.</u>	<u>C.L.</u>	<u>DEF.</u>
100	29	0.67		800	38	0.18	3
125	21	0.74	2	1000	40	0.14	2
160	28	0.72		1250	41	0.16	2
200	26	0.44	3	1600	45	0.09	
250	31	0.55	1	2000	48	0.10	
315	33	0.47	2	2500	49	0.08	
400	33	0.40	5	3150	45	0.11	
500	32	0.31	7	4000	49	0.10	
630	35	0.28	5	5000	53	0.06	

STC=39

ABBREVIATION INDEX

FREQ. = FREQUENCY, HERTZ, (cps)
T.L. = TRANSMISSION LOSS, dB
C.L. = UNCERTAINTY IN dB, FOR A 95% CONFIDENCE LIMIT
DEF. = DEFICIENCIES, dB<STC CONTOUR (SUM OF DEF = 32)
STC = SOUND TRANSMISSION CLASS


Tested by


Marc Sciaky
Experimentalist

Report by


Chris Nottoli
Acoustician

Approved by


Eric P. Wolfram
Laboratory Manager

Digitally signed by Eric Wolfram
DN: cn=Eric Wolfram, o=Alion Science
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Date: 2014.09.17 09:52:57 -05'00'



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between glass blinds™

1-866-466-9525
www.vistamatic.com

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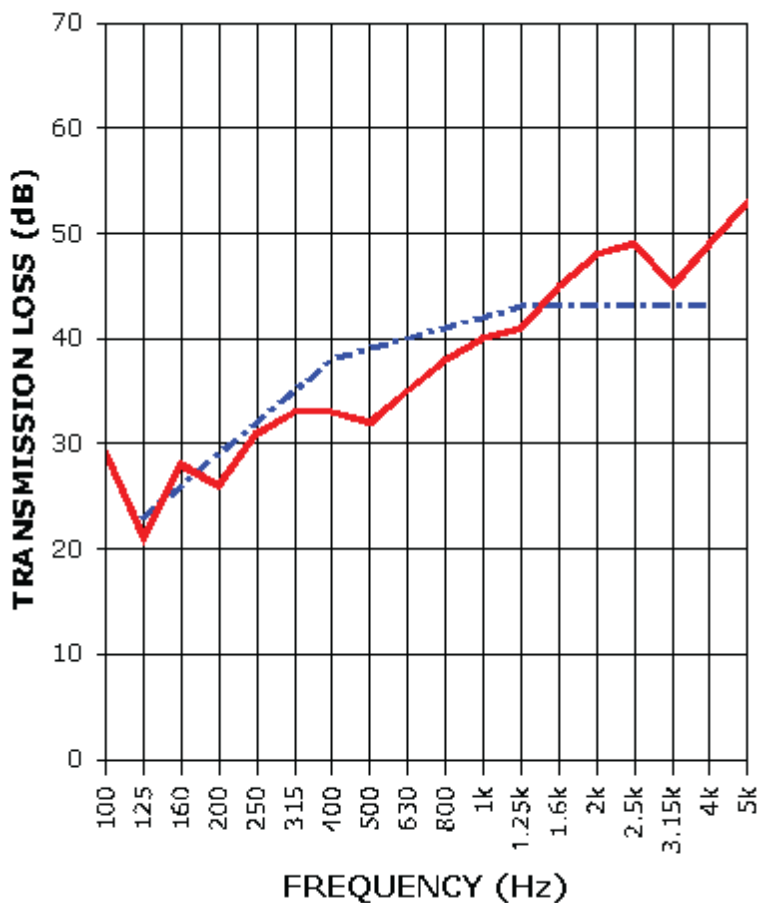
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SOUND TRANSMISSION REPORT

BetweenGlassBlinds™ with Magnetic Operation (5/32 in. Tempered / Airspace / 1/2 in. Laminated)



STC= 39
OITC=32

TRANSMISSION LOSS SOUND TRANSMISSION LOSS CONTOUR



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Appendix A to ASTM E90 Sound Transmission Loss Test **OITC Determination (Outdoor Indoor Transmission Class)**

Product Description: BetweenGlassBlinds™ with Magnetic Operation (5/32 in. Tempered / Airspace / 1/2 in. Laminated) (See full report)

CLASSIFICATION

Unless otherwise designated, the Outdoor Indoor Transmission Class (OITC) determination as reported below was made with explicit conformity to the procedures described in the ASTM E1332-10a test standard. Test Method ASTM E90-09 was used to obtain the sound transmission loss data. This rating is based on an average transportation noise source spectrum and an A weighted sound level reduction, either of which may be inappropriate for some applications.

One-third Octave Band Center Frequency, Hz	Reference Sound Spectrum, dB	Test Specimen Transmission Loss, dB
80	103	21
100	102	29
125	101	21
160	98	28
200	97	26
250	95	31
315	94	33
400	93	33
500	93	32
630	91	35
800	90	38
1000	89	40
1250	89	41
1600	88	45
2000	88	48
2500	87	49
3150	85	45
4000	84	49

OITC=32



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Appendix to ASTM E90 Sound Transmission Loss Test Extended Frequency Range Data

Product Description: BetweenGlassBlinds™ with Magnetic Operation (5/32 in. Tempered / Airspace / 1/2 in. Laminated) (See Full Report)

As requested by the client, transmission loss (TL) values were calculated at additional test frequencies. Although the measurements were made in accordance with the procedures described in ASTM E90-09, they do not qualify as part of the standard. Since the results are representative of the test environment only, they are unofficial and intended for research and development guidelines rather than for commercial purposes. The transmission loss values at the additional frequencies were as follows:

RAL™-TL14-331

1/3 Octave Center Frequency

Sound Transmission Loss

<u>(Hz)</u>	<u>(dB)</u>
40	14
50	25
63	22
80	21
6300	58
8000	59
10000	60

END



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Wood Bead Fitting Instructions

Pre-Installation Fitting Check

- The panel is the correct size to the order placed.
- The aperture is 1/8" overall larger than the panel as it should not be a tight fit. When sizing the opening, it is the same as you would for a single piece of glass just a different thickness.

Installation Instructions

1. Fit the hardwood fixing beads to one side of the opening. This can be achieved by screwing or nailing (which- ever is suitable for the project). Fit intumescent material if required for fire rated door.
2. Offer the panel into the opening and use packing wedges to ensure that the panel is sitting square in the opening.
3. Place the Magnet and holding Strip on to the panel.
4. Fit the hardwood fixing beads to the reverse side of the opening either vertically or horizontally, depending on where the magnet is placed, and check that the panel is functioning correctly. When you are sure that all is correct, fit the other fixing beads in the same way.
5. Required 5/8" (no more or less) bite/stop in order to properly fit and operate magnet.

Instructions for Hollow Metal Frames/Borrowed Light Supplied by VISTAMATIC® BetweenGlassBlinds™

For Hollow Metal Frame/Borrowed Light fitting, please follow instructions supplied from the manufacturer as they vary from each source.

Pre-Installation Fitting Check

- The panel is the correct size to the order placed.
- The aperture is 1/8" overall larger than the panel as it should not be a tight fit. When sizing the opening, it is the same as you would for a single piece of glass just a different thickness.

Installation Instructions

1. Fit the Hollow Metal Frame to one side of the opening -this can be achieved by screwing or nailing, whichever is suitable for the project. Fit intumescent material, if required fire rated door.
2. Place the Magnet and holding Strip onto the panel.
3. Fit the fixing screws top and bottom, first and check that the panel is functioning correctly. When you are sure that all is correct, fit the side fixing beads in the same way.
4. Required 5/8" (no more or less) bite/stop in order to properly fit and operate magnet.
Note: For fitting in other framing solutions, such as Aluminium, Store Fronts, Curtain Walls, etc., size the opening and panel as you would a normal piece of glass that is a minimum of 1" (depending on glass used).

Care & Cleaning Guidelines

DOs

- Clean with non-abrasive glass cleaners, mild soaps or detergents diluted with water to clean the glass.
- Clean using a soft cloth or synthetic window leather.
- Use a squeegee or soft cloth for drying glass.

DO NOTs

- Do not use brushes or cleaning tools with sharp edges anywhere on the Vision Panel(s).
- Do not lay on side or face down, always keep in upright position.

Specifying BetweenGlassBlinds™ Products

To correctly specify BetweenGlassBlinds™ products, in design details, working drawings, specifications and Bills of Quantities.

BetweenGlassBlinds™ is a registered Trade Mark in the United Kingdom, United States of America and the European Union at large.

When specifying products from the BetweenGlassBlinds™ range, please observe the following guidelines in order to comply with the statutory regulations governing the use of a Trade Mark registered in the United Kingdom, United States of America and the European Union at large.

1. BetweenGlassBlinds™ should be distinguished as a brand from the surrounding text, by the use of capital letters.
2. The ® or ™ symbol should be used in the first instance after the word BetweenGlassBlinds in every occurrence it is used in any given piece of literature, article or other text. This symbol lets consumers know that BetweenGlassBlinds™ is a trade mark.
3. BetweenGlassBlinds™ is not a 'generic' name or term for a secure vision panel, but is the brand name for a range of specific secure vision panels by the U.S.A manufacturer BetweenGlassBlinds, LLC.
4. The BetweenGlassBlinds™ name should never be used in association or conjunction with any competitor or manufacturer of similar products. Doing so may damage the goodwill and reputation of the BetweenGlassBlinds™ brand and range of products, as well as diluting the registered rights in the mark. This will result in the misrepresentation of the BetweenGlassBlinds™ trade mark.
5. It should be acknowledged in any piece of literature, article, specification or other text featuring the mark, that BetweenGlassBlinds™ is a trade mark of BetweenGlassBlinds Limited.
6. BetweenGlassBlinds™ should not be used in any sense which suggests that it is a generic term and not a trade mark of BetweenGlassBlinds Limited. The trade mark should not be used as a noun or verb. For example, one should always refer to BetweenGlassBlinds™ vision panels and not Between Glass Blind.
7. BetweenGlassBlinds™ should not be used to describe the products of parties other than BetweenGlassBlinds LLC. In particular, wording of the type "this is a BetweenGlassBlinds type integral blind" must not be used.

Specifying BetweenGlassBlinds™ Products

SECTION 08 8836 INTEGRATED GLASS AND BLIND ASSEMBLIES

**** NOTE TO SPECIFIER **** This master specification section has been prepared by Vistamatic, LLC for use in the preparation of a project specification section covering switchable privacy glass.

This specification is a part of the SpexPlus™ system, which comprises a fully architectural master specification that can be used to specify all project requirements.

The following should be noted in using this specification:

- Hypertext links to specific websites are included after manufacturer names and names of organizations whose standards are referenced within the text, to assist in product selection and further research. Hypertext links are contained in parenthesis and shown in blue, e.g: (www.spexplus.net)

- Optional text requiring a selection by the user is enclosed within brackets, e.g. "Section [09 0000.] [_____]"

- Items requiring user input are enclosed within brackets, e.g. "Section [____-____]"

- Optional paragraphs are separated by an "OR" statement, e.g.:

****OR****

- Sustainable requirements are included for projects requiring LEED certification, and are included as green text. For additional information on LEED, visit the U.S. Green Building Council website at www.USGBC.org.

For assistance on the use of the products in this section, contact BetweenGlassBlinds, LLC by calling 1-866-466-9525, by e-mail at sales@betweenglassblinds.com or visit their website at www.BetweenGlassBlinds.com.

For assistance with obtaining or using the SpexPlus™ Master Specification System, contact SpexPlus by calling 1-888-877-SPEX (1-88-877-7739), by e-mail at chaney@spexplus.net, or visit the website at www.SpexPlus.net.

PART 1 GENERAL

1.1 SUMMARY

Edit the following paragraphs to include only those items specified in this section.

A. Section includes:

1. Insulated glass assemblies with integral [horizontal louver blinds.] [pleated shades.]

Coordinate the following paragraphs with other sections in the project manual.

B. Related Sections:

1. Division 01: Administrative, procedural, and temporary work requirements.

2. Section [06 4600 - Wood Trim] [____ - _____]: Wood frames to receive integrated glass and blind assemblies.

3. Section [08 1113 - Hollow Metal Doors and Frames] [__ ____ - ____]: Steel doors and frames to receive integrated glass and blind assemblies.
4. Section [08 1116 - Aluminum Doors and Frames] [__ ____ - ____]: Aluminum doors and frames to receive integrated glass and blind assemblies.
5. Section [08 1416 - Flush Wood Doors] [08 1433 - Stile and Rail Wood Doors] [__ ____ - ____]: Wood doors to receive integrated glass and blind assemblies.
6. Section [08 1513 - Laminated Plastic Doors] [__ ____ - ____]: Laminated plastic doors to receive integrated glass and blind assemblies.
7. Section [08 8000 - Glazing] [__ ____ - ____]: Glazing accessories.

In the following paragraphs, retain only those reference standards that are used elsewhere in this section.

A. ASTM International (ASTM) (www.astm.com):

1. C1048 - Standard Specification for Heat-Treated Flat Glass-Kind HS, Kind FT Coated and Uncoated Glass.

2. E2190 - Standard Specification for Insulating Glass Unit Performance and Evaluation.

B. American National Standards Institute (ANSI) (www.ansi.org) Z97.1 - Safety Performance Specifications and Methods of Test for Safety Glazing Material Used in Buildings.

C. Consumer Product Safety Commission (CPSC) (www.cpsc.gov) 16 CFR 1201 - Safety Standard for Architectural Glaz- zz Materials.

D. National Glass Association (NGA) (www.glass.org) - Certified Installer Program.

1.3 SUBMITTALS

Limiting submittals to only those actually required helps to minimize liability arising from the review of submittals. Minimize submittals on smaller, less complex projects. Include the following for submission of shop drawings, product data, and samples for the Architect's review.

A. Submittals for Review:

1. Shop Drawings: Include elevations and details showing joint locations, transitions, and terminations, and anchoring details.
2. Product Data: Include preparation instructions and recommendations, Storage and handling require Elements, and installation methods.
3. Samples: Manufacturer's sample box showing available colors.

Include the following for submission of quality control submittals. These submittals are intended for the Owner's record purposes and are not intended to be reviewed by the Architect.

B. Quality Control Submittals:

1. Certificates of Compliance: Manufacturer's certification that products furnished comply with specified requirements.

Include the following for submission of sustainable design submittals for LEED Regional Materials credit. Verify with BetweenGlassBlinds, LLC that distance from manufacturing location to project site is within required 500 mile radius.

C. Sustainable Design Submittals: 1. Regional Materials.

1. QUALITY ASSURANCE

A. Obtain integrated glass and blind assemblies from single manufacturer.

The following paragraph specifies a minimum level of experience required of the parties performing the work of this section. Retain if required, and edit to suit project requirements.

B. Insulated Glass Manufacturer Qualifications: Qualified insulating glass manufacturer, approved [and certified] by integrated glass and blind assembly manufacturer.

C. Installer Qualifications:

1. Minimum [] years [documented] experience in work of this Section.
2. Certified under AGA Certified Installer Program.

Include the following for tempered and laminated glass required for safety glazing locations.

D. Integrated Glass and Blind Assemblies: Tested and labeled to CPSC 16 CFR 1201.

Include the following for full size mockups for review of construction, coordination of work of several sections, testing, or observation of operation.

E. Mockup:

1. Size: Minimum [2 x 2] [] x [] feet.
2. Show integrated glass and blind assembly and glazing accessories.
3. Locate [where directed.] [].
4. Approved mockup may [not] remain as part of the Work.

1.5 DELIVERY, STORAGE AND HANDLING

A. Delivery glass with temporary label on each light identifying manufacturer, glass type, quality, and nominal thickness.

B. Store glass in areas least subject to traffic and falling objects. Keep storage area dry.

C. Stack individual panels on edge leaned slightly against upright supports with separators between panels.

1.6 PROJECT CONDITIONS

A. Maintain temperature, humidity, and ventilation within limits recommended by glass manufacturer.

B. Do not install products under environmental conditions outside manufacturer's limits.

1.7 WARRANTIES

A. Furnish manufacturer's 10 year warranty providing for replacement of defective integrated glass and blind assemblies due to improper workmanship and materials, under normal installation, use, service and maintenance.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Contract Documents are based on products by BetweenGlassBlinds, LLC; 11713 NW39th Street, Coral Springs, FL 33065, phone 866-466-9525, fax 866-861-9135, email sales@betweenglassblinds.com, www.betweenglassblinds.com.

Edit the following to indicate whether or not substitutions will be permitted for the products in this section.

B. Substitutions: [Under provisions of Division 01.] [Not permitted.] 2.2 MATERIALS

A. Insulating Glazing Units with [Horizontal Louver Blinds:] [Pleated Shades:]

1. Insulating glazing units: Factory assembled, consisting of sealed glass panes separated by dehydrated interspaces, to ASTM E2190.

Edit the following to suit project requirements. Tempered 5/32 inch thick clear glass is standard. If multiple types are required, show locations on Drawings or in Schedule at end of section.

2. Exterior glass panes: [Clear tempered,] [[_____] color tinted tempered,] [5/32 [1/4] [3/8] [1/2] [3/4] inch thick.

****OR****

3. Exterior glass panes: [Laminated leaded, [1/4] [3/8] [1/2] [3/4] inch thick.] [Annealed leaded, [1/4] [3/8] [1/2] [3/4] inch thick.]

****OR****

4. Exterior glass panes: Fire rated, [1/4] [3/8] [1/2] [3/4] inch thick.

****OR****

5. Exterior glass panes: Laminated, [1/4] [1/2] inch thick.

****OR****

6. Exterior glass panes: Scratch resistant polycarbonate, [1/4] [3/8] [1/2] inch thick, [clear.] [[_____] color tinted.]

In the following paragraph argon fill is for exterior windows, only.

7. Air space: 11/16 inch [, argon filled].

8. Interior glass panes: [Clear tempered,] [[_____] color tinted tempered,] [5/32 [1/4] [3/8] [1/2] [3/4] inch thick.

****OR****

9. Interior glass panes: [Laminated leaded, [1/4] [3/8] [1/2] [3/4] inch thick.] [Annealed leaded, [1/4] [3/8] [1/2] [3/4] inch thick.]

****OR****

10. Interior glass panes: Fire rated, [1/4] [3/8] [1/2] [3/4] inch thick.

****OR****

11. Interior glass panes: Laminated, [1/4] [1/2] inch thick.

****OR****

12. Interior glass panes: Scratch resistant polycarbonate, [1/4] [3/8] [1/2] inch thick, [clear.] [[_____] color tinted.]



Select horizontal louver blinds or pleated shades, as applicable. If multiple types are required show locations on Drawings or in Schedule at end of section.

13. Horizontal louver blinds:

a. Slats: 6010-T8 aluminum alloy, 5/8 inch wide x 0.008 inch thick, crowned profile.

b. Color: [_____] [To be selected from manufacturer's full color range.]

14. Opaque pleated shades: [_____] color [to be selected from manufacturer's full color range.]

Include the following for standard magnet operators.

B. Magnet Operator:

1. Designed to [tilt] [tilt and lift] blinds.

2. Attached to internal glass in unit using designated guide.

2.3 ACCESSORIES

A. Glazing Accessories: Specified in Section [08 8000.] [_____.]

2.4 FABRICATION

A. Fabricate glazing units in required sizes with edge and face clearances, edge and surface conditions, and bite in accordance with manufacturer requirements and reference standards, to comply with system performance requirements.

PART 3 EXECUTION

3.1 EXAMINATION

A. Verify that openings conform to details; dimensions, and tolerances indicated on approved Shop Drawings.

3.2 PREPARATION

A. Clean surfaces to receive glass units prior to installation.

B. Prepare surfaces using methods recommended by manufacturer.

3.3 INSTALLATION

A. Install in accordance with manufacturer's instructions and approved Shop Drawings.

B. Set glazing without bending, twisting, or forcing of units.

C. Do not allow glass to rest on or contact framing members.

Include the following for fire-rated glass

D. Fire Resistant Glass: Install in accordance with UL design requirements.



3.4 CLEANING

A. Clean glass surfaces; remove temporary labels and foreign matter.

3.5 ADJUSTING

A. Replace cracked, broken, and imperfect glass, and glass that has been improperly installed.

3.6 PROTECTION

A. Protect installed products until completion of project.

3.7 SCHEDULE

Include the following for a schedule listing the products in this section. Coordinate with Part 2 - Products. The following may assist in developing a schedule.

MARK	EXTERIOR PANE	INTERIOR PANE	BLINDS OR SHADES	COMMENTS
A	1/4 inch thick bronze tinted tempered	1/4 inch thick clear tempered	Blinds, White	
B	5/32 inch clear tempered	5/32 inch thick clear tempered	Shades, color to be selected	

-End of Section-