QUANTAPANEL®
INSULATING GLASS SYSTEM

Your Existing Windows.
Our Advanced Window Technology.

Enhance the comfort, energy savings, and design of your entire home with the revolutionary QUANTAPANEL® Insulating Glass System.

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It's hard to imagine your house without windows—it would be like a home without sunshine. Windows literally light up a house; they add beauty inside and out, while providing natural lighting and enabling seasonal ventilation. They also play a major role in household comfort and energy use.

Today's technologically advanced windows are specifically designed to maintain a desirable comfort level and substantially reduce HVAC energy consumption, but their cost can be prohibitive. And that's where the unique solution of the QUANTAPANEL Insulating Glass System fits in.

QUANTAPANEL delivers the same revolutionary window technology that is available from the most advanced replacement windows—but without their high cost. What's more, with QUANTAPANEL, you will not have the household disruption nor architectural inconsistency often associated with the installation of vinyl replacement windows. So here's the bottom line: ***You don't need brand-new windows; your windows need brand-new technology.***

QUANTAPANEL Insulating Glass System was especially created so you can enhance the comfort, energy savings, and design of your home—all at a fraction of the cost of window replacement. Let's delve further into the attributes:

The Comfort

There's no denying the necessity and desirability of windows—they are your home's sole source of natural light and a critical architectural element. However, they can also be a major source of drafts, thanks to air infiltration and natural convection currents created by interior glass temperatures being substantially lower than the room temperature. But it doesn't have to be this way.

The technologically advanced QUANTAPANEL IGS enhances your home's comfort level by:

- Reducing air infiltration to eliminate actual drafts of cold air in winter and humid/warm air in summer;
- Maintaining interior glass temperatures closer to room temperature, thereby eliminating the "natural convection drafts;"
- Improving condensation resistance to minimize mold-related issues, and
- Minimizing the transmission of exterior noise into your home.

"We have a 1917 colonial with the original wood windows, and in order to maintain the original look of the home, we chose QUANTAPANEL. We were able to keep the house architecturally original and get all the benefits of modern windows."

—Jamie S., Montclair, NJ

The Energy Savings

Did you know that approximately half of the typical household's energy bill goes to heating and cooling? Depending on the number, size, type, condition, and age of your existing windows, they can account for as much as 30-50 percent of your home's heating/cooling energy consumption. Hence, old drafty windows may be responsible for 15-25% of a home's annual utility bill.

Installing the technologically advanced QUANTAPANEL® IGS units over your existing windows can reduce the energy loss across these windows by 50-60%, depending upon window type. Incorporating the QUANTAPANEL IGS into an overall home performance improvement project, which also includes appropriate air sealing and increasing attic and wall insulation to recommended levels, can reduce annual heating and cooling costs by 40-60%, decreasing your annual utility bill by 20-30%.

The Design

A home's windows add to its unique architectural characteristics, which are not lost with QUANTAPANEL. We know how to improve the comfort and performance of your existing windows, while still maintaining their original beauty.

The technologically engineered solution of QUANTAPANEL IGS is seamlessly integrated into your existing windows' trim and molding, enabling you to:

- Choose from over 250 finish colors to match your home's trim colors;
- Incorporate a paintable interior finishing kit, which can provide the custom molding often required in stately homes or apartments;
- Reduce your maintenance costs, and
- Maximize your home's comfort and energy savings consistent with your climate.

250 Color Options Available

White, Architectural Bronze, or Mill Finish Standard

Paintable Interior Trim Kits Included

Low-Profile Design Virtually Disappears

Easy-to-Operate

"I am very happy with my new QUANTAPANEL units. They eliminate cold drafts and reduce changes of temperature from room to room. The window units are attractive and easy to operate. The installation of the product was efficient, careful, and clean. I'm enjoying a warmer apartment now and looking forward to lower electric bills."

—Susan R., Philadelphia, PA

It's time to improve the comfort, energy savings, and design of your entire home with the revolutionary QUANTAPANEL® Insulating Glass System.

QUANTAPANEL®
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Because you don't need brand-new windows.
Your windows need brand-new technology.

QUANTA Technologies, Inc.
1036 New Holland Avenue, Lancaster, PA 17601 • 717.295.6610

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www.quantapanel.com

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The QUANTAPANEL® Insulating Glass System (IGS) is an advanced, modern day version of what was once known as a storm window, which, when installed over an existing window, delivers equivalent to superior energy savings as that delivered by a "state-of-the-art" (i.e., Energy Star) replacement window. QUANTA offers two basic product lines: the **QUANTAPANEL® 500 Series** (exterior installation – designed primarily for single family residences and multi-family dwellings with less than 5 stories); and the **QUANTAPANEL® 600 Series** (interior installation – designed for historic structures and high rise multi-family buildings).

The functionality of each product is designed to mirror the functionality of the underlying prime window (i.e., Double Hung Style for DH windows, Horizontal Slider for HS windows, etc.). These products have been installed on numerous private and public buildings.

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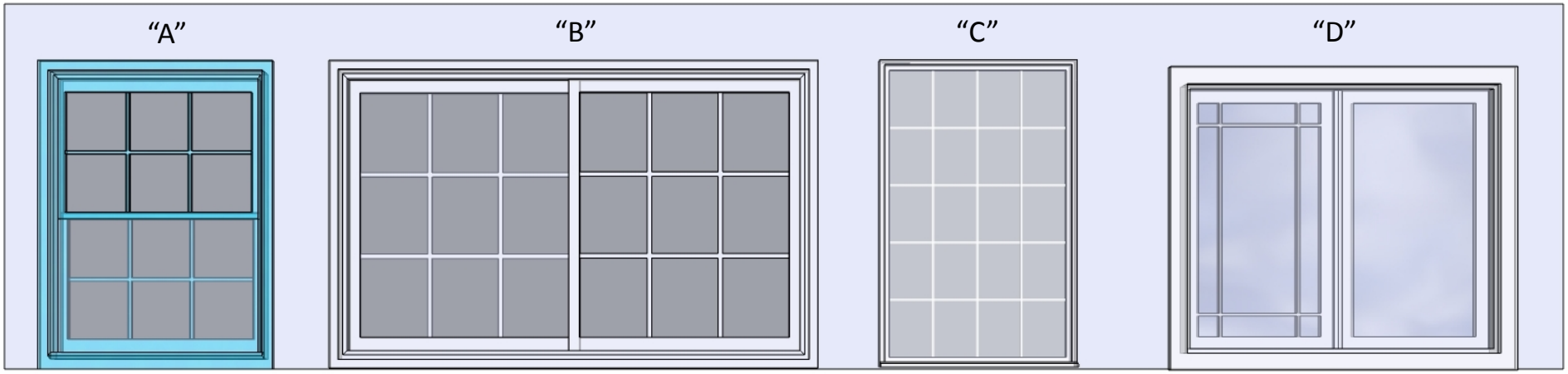
QUANTAPANEL
INSULATING GLASS SYSTEM

QUANTAPANEL® 600 Series IGS *Typical Window Configuration*

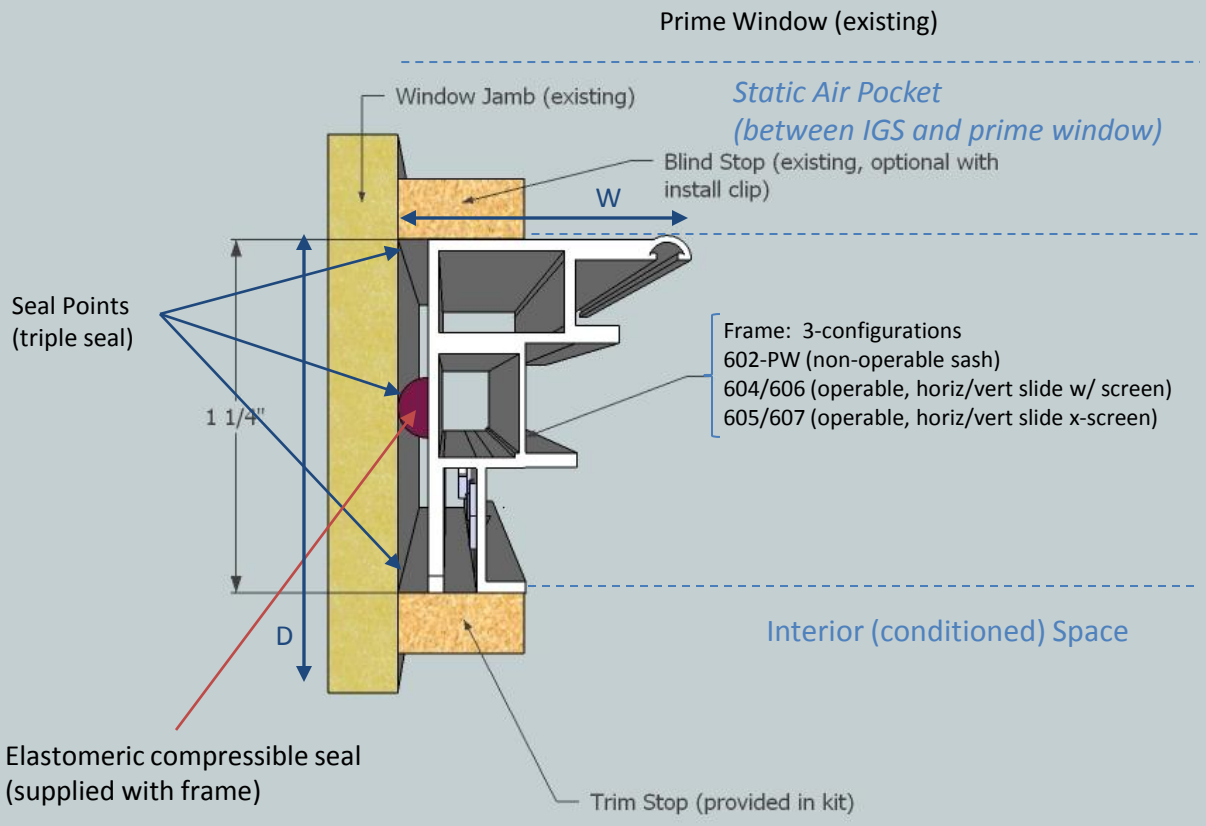


Double Hung Prime Window | Horizontal Slider Prime Window | Fixed Picture Window | Casement Prime Window

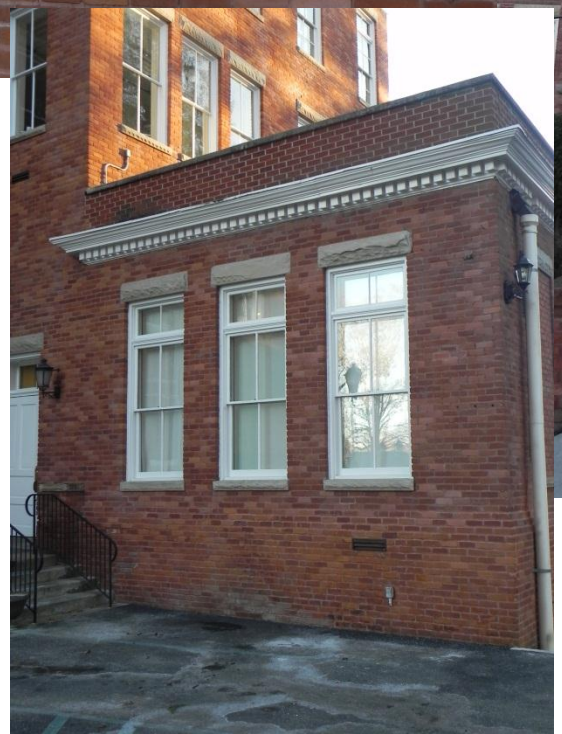
APPLICATION	UNIT DESIGNATION	DESCRIPTION	DIMEN/QUANTITY
"A" (typical)	QUANTAPANEL® 604-DH IGS QUANTAPANEL® 605-DH IGS	3-track (w/ screen), vertical operating 2-track (no screen), vertical operating	As specified; this unit installs on the interior of operable, vertically sliding (double or single hung) windows.
"B" (typical)	QUANTAPANEL® 606-SL IGS QUANTAPANEL® 607-SL IGS	3-track (w/ screen), horizontal operating 2-track (no screen), horizontal operating	As specified; this unit installs on the interior of operable, horizontally sliding windows.
"C" (typical)	QUANTAPANEL® 602-PW IGS	Non-operating fixed lite. (sash is removable from interior)	As specified; thus unit installs on the interior of non-operable fixed (picture) windows.
"D" (typical)	QUANTAPANEL® 608-JP IGS	QP 602JP(6201CONFIG)	As specified; this unit installs on the exterior or interior of the sash of operable casement windows.

Schematic of QP600 IGS installed in Frame

(Installation Clip Not Shown)



QUANTAPANEL®
INSULATING GLASS SYSTEM



Carnegie Hall (Lewisburg, WV)

QUANTAPANEL®
INSULATING GLASS SYSTEM

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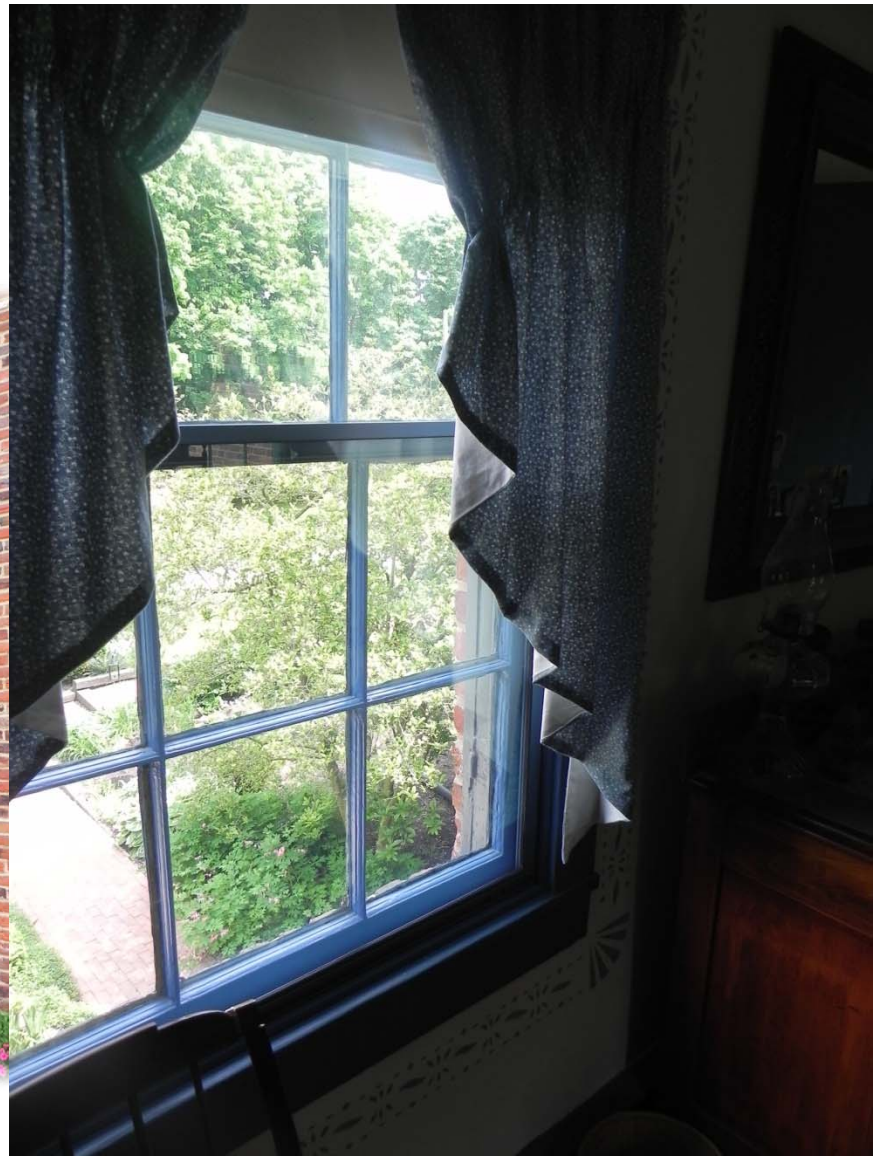


QUANTAPANEL® 600 Series

Sykesville, MD

Limited Warranty

QuantaPanel™ Insulating Glass Systems are manufactured from raw materials of the highest quality using the most up-to-date and modern production techniques. QuantaPanel™ Insulating Glass Systems manufactured after January 1, 2010 are warranted for residential installations as follows.

TWENTY YEAR WARRANTY

Aluminum structural members and component mechanical parts are warranted against defects in material and workmanship for a period of twenty (20) years.

TEN YEAR WARRANTY

Painted aluminum members are warranted against blistering, peeling, or flaking under conditions of normal wear and service for a period of ten (10) years.

Screen frame, screen components and screen mesh are warranted against defects in material or workmanship for 1 year after shipment

EXCLUSIONS AND LIMITATIONS

The above warranty periods commence on the date of shipment from the manufacturing facility.

Any non-manufacturer modifications to or applied films on a QuantaPanel™ IGS will void this warranty.

This warranty does not cover broken glass; torn or creased screening; damages resulting from improper installation; damages caused by airborne pollutants such as salt or acid rain; negligence or unreasonable use (including failure to provide reasonable and necessary maintenance); stress resulting from localized application of heat that causes excessive temperature differential over the glass surface or the edges of the unit; damage resulting from fire, lightning, windstorms, earthquakes, windborne objects, strain applied to the unit by movement of the building or inadequate provision for expansion or contraction of framing members; condensation on windows, which is a natural result of humidity within the house and the difference between the internal and exterior temperatures; installation in commercial installations, ships, vehicles, or outside the continental United States; acts of God or other causes beyond the control of the manufacturer.

This warranty covers only manufacturing defects, is limited to repairing or replacing defective parts or components, and providing return transportation to the manufacturer's nearest place of business, and does not include labor or other costs incurred in the removal, replacement, installation, or reinstallation of the product or any part or component of the product. Quanta Technologies, Inc. reserves the right to discontinue or modify any of its products without notice and will not be liable under this limited warranty as a result of such discontinuance or modification and will have the right to substitute products which, in its sole discretion, are of equal value and quality. Locking or non-locking screens will not stop a child from falling out a window. Screens are not intended to act as a human barrier.

This warranty applies to all QuantaPanel™ Insulating Glass Systems including double hung, horizontal slider and picture windows.

The statements contained herein set forth the only express warranties of the above products. In no event will Quanta Technologies, Inc. be liable for incidental or consequential damages whether based on breach of express or implied warranty, breach of contract, negligence, strict liability or any other legal theory. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to the homeowner.

This warranty gives the homeowner specific legal rights, and the homeowner may have other rights that vary from state to state.

CLAIMS PROCEDURE

The product should first be inspected by the company that installed the product within a reasonable time after discovery of a problem to determine if the problem is installation or product related.

To make a claim under this warranty for a product defect, the homeowner should notify Quanta Technologies by calling our Customer Service Dept at 1.717.517.9094 or sending an email to customercare@quantatechnologiesinc.com. The claim must identify the entity who installed the product (if applicable), the window type, installation date, order number and the specific defect.

The warranty provided herein is transferable solely within the warranty period defined herein and solely to a subsequent purchaser of the home for defects that are discovered during said subsequent purchaser's pre-closing inspection of said home.

INSTALLER

Name _____

City, State, Zip _____

Installation Date _____

Order # _____

Phone _____

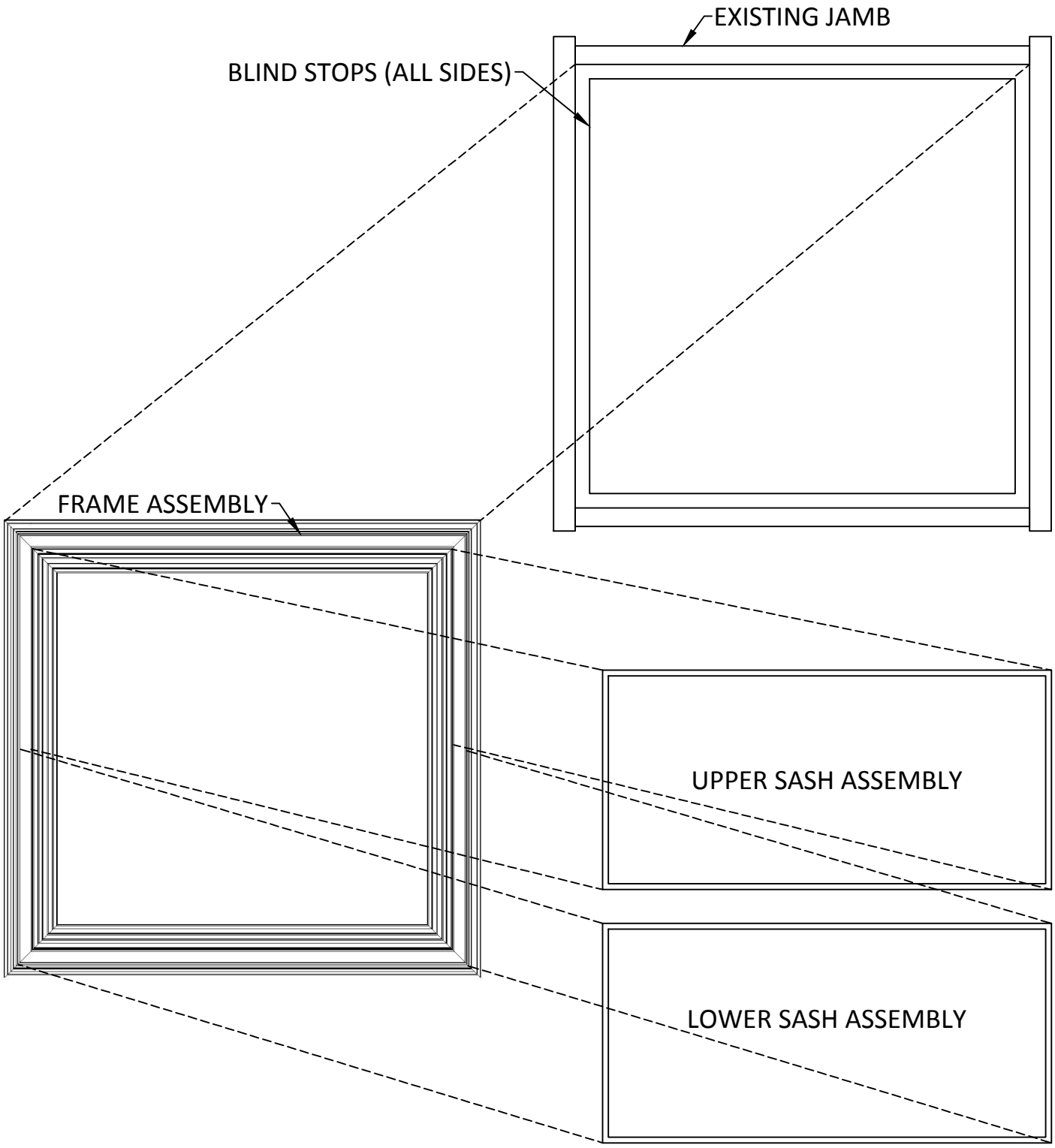
HOMEOWNER

Name _____

Address _____

City, St, Zip _____

Phone _____



QUANTAPANEL®

605-DH INSULATING GLASS SYSTEM

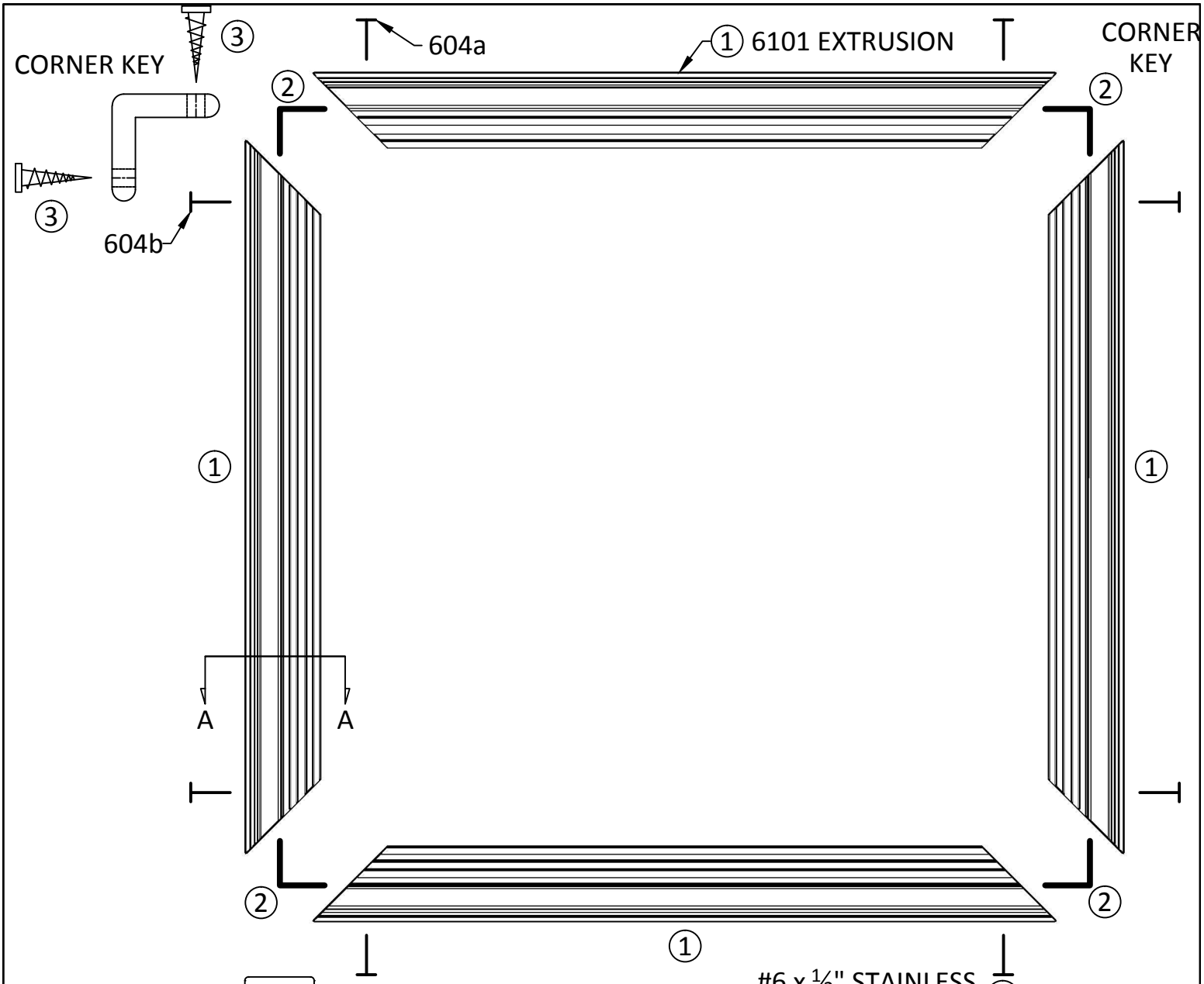
FULL ASSEMBLY

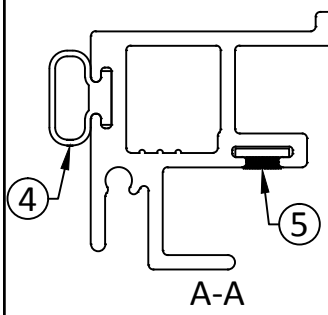
NOTES:

DATE

SCALE

DRAWN BY





ITEM No.	ITEM	QUANTITY
1	ALUMINUM FRAME EXTENSION 6101 (AH 66838)	4
2	CORNER KEY	4
3	#6x ¾" STAINLESS STEEL TAP SCREWS	8
4	80 DURO. FLEXIBLE PVC BULB SEAL	4
5	0.200" H PILE WEATHERSTRIP WITH CENTER FIN	8

QUANTAPANEL®

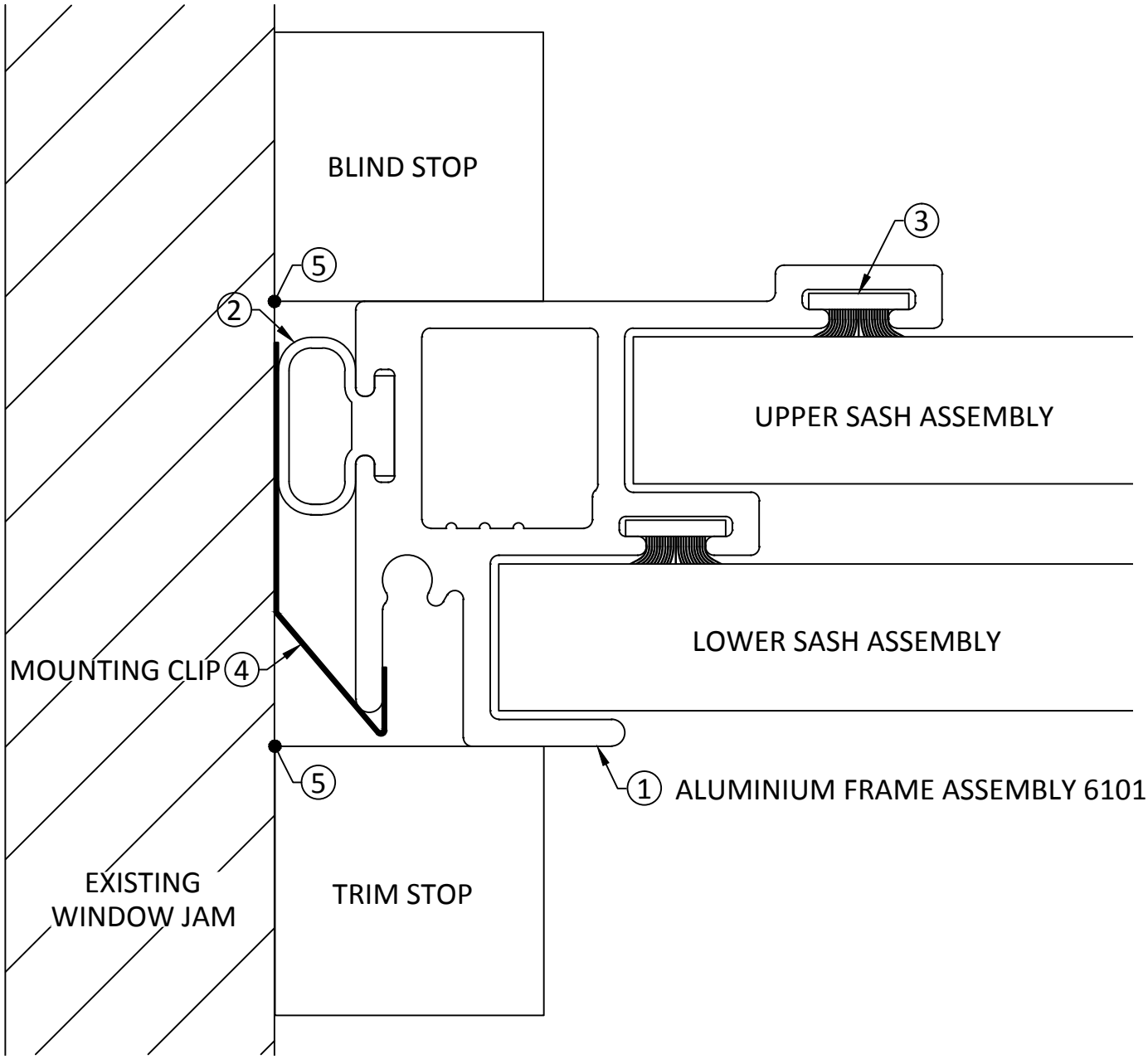
605-DH INSULATING GLASS SYSTEM
FRAME ASSEMBLY

NOTES:

DATE

SCALE

DRAWN BY



ITEM No.	ITEM	QUANTITY
1	ALUMINUM FRAME EXTENSION 6101 (AH 66838)	
2	80 DURO FLEXIBLE PVC BULB SEAL	
3	0.200" H PILE WEATHERSTRIP WITH CENTER FIN	
4	MOUNTING CLIP (C6057BS)	
5	BEAD OF SILICONE CAULK	

QUANTAPANEL®

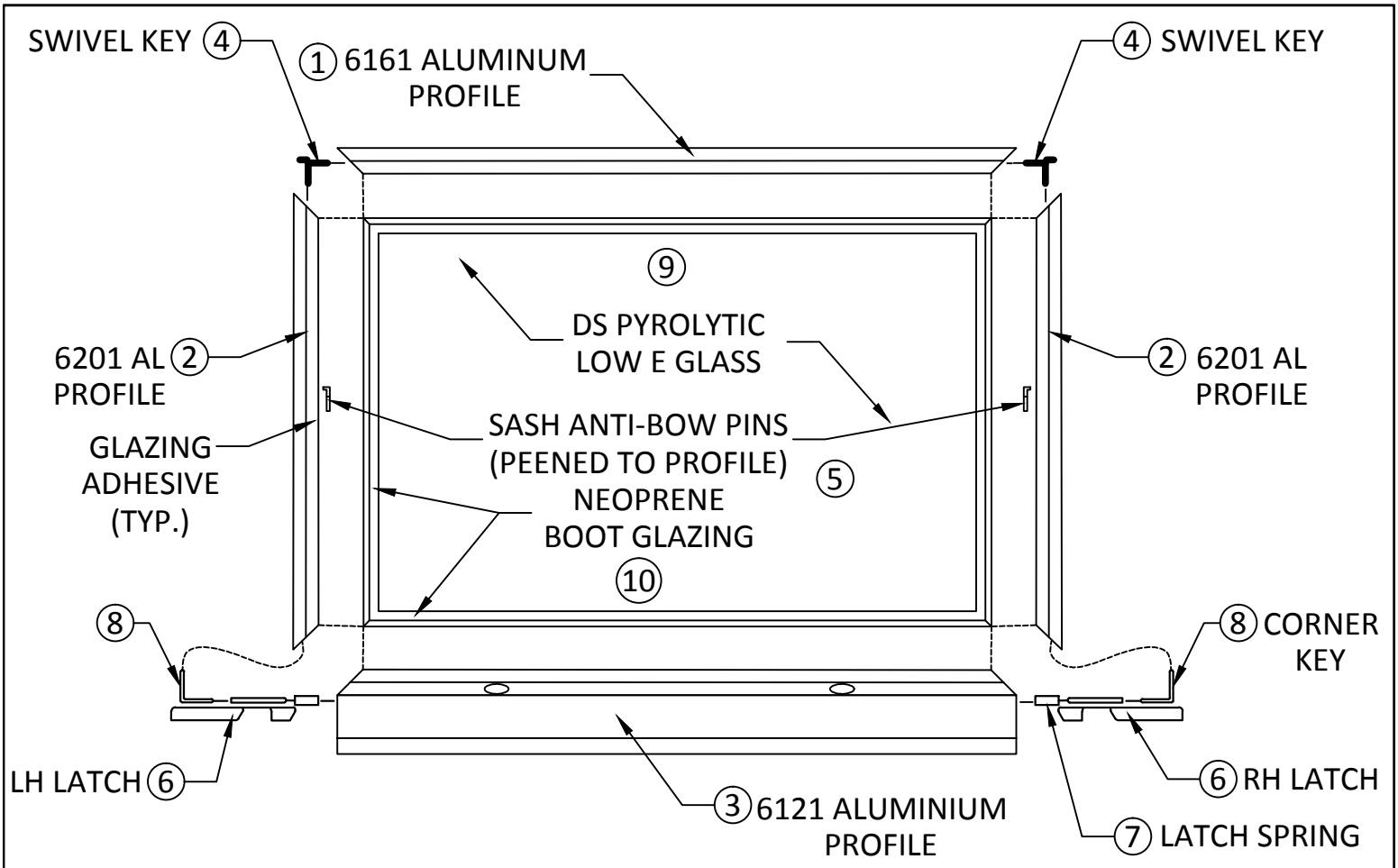
605-DH INSULATING GLASS SYSTEM
FRAME ASSEMBLY
(DETAIL - INSTALLED)

NOTES:

DATE

SCALE

DRAWN BY



QP 605-DH ASSEMBLY

ITEM No.	ITEM	QUANTITY
1	ALUMINUM SASH EXTRUSION 6161 (AS 66474)	1
2	ALUMINUM SASH EXTRUSION 6201 (AS 65795)	2
3	ALUMINUM SASH EXTRUSION 6121 (AS 66489)	1
4	SWIVEL KEY	2
5	SASH ANTI–BOW PINS	2
6	LATCHES (1 RH, 1 LH)	2
7	LATCH SPRINGS	2
8	CORNER KEY	2
9	DS PYROLYTIC LOW E GLASS	1
10	NEOPRENE BOOT GLAZING	4

QUANTAPANEL®

605-DH INSULATING GLASS SYSTEM

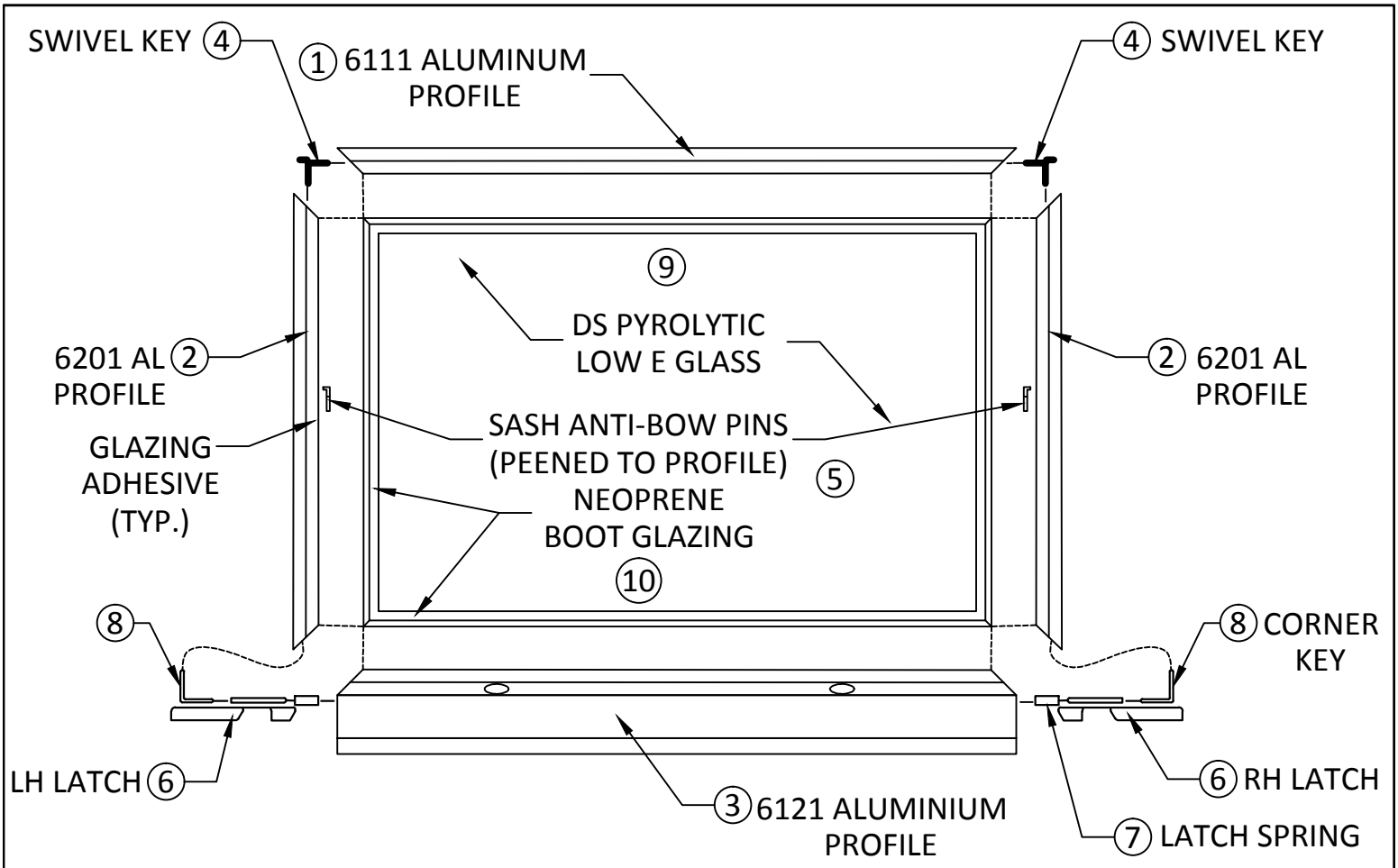
UPPER SASH ASSEMBLY

NOTES:

DATE

SCALE

DRAWN BY



QP 605-DH ASSEMBLY

ITEM No.	ITEM	QUANTITY
1	ALUMINUM SASH EXTRUSION 6111 (AS 66488)	1
2	ALUMINUM SASH EXTRUSION 6201 (AS 65795)	2
3	ALUMINUM SASH EXTRUSION 6121 (AS 66489)	1
4	SWIVEL KEY	2
5	SASH ANTI–BOW PINS	2
6	LATCHES (1 RH, 1 LH)	2
7	LATCH SPRINGS	2
8	CORNER KEY	2
9	DS PYROLYTIC LOW E GLASS	1
10	NEOPRENE BOOT GLAZING	4

QUANTAPANEL®

605-DH INSULATING GLASS SYSTEM

LOWER SASH ASSEMBLY

NOTES:

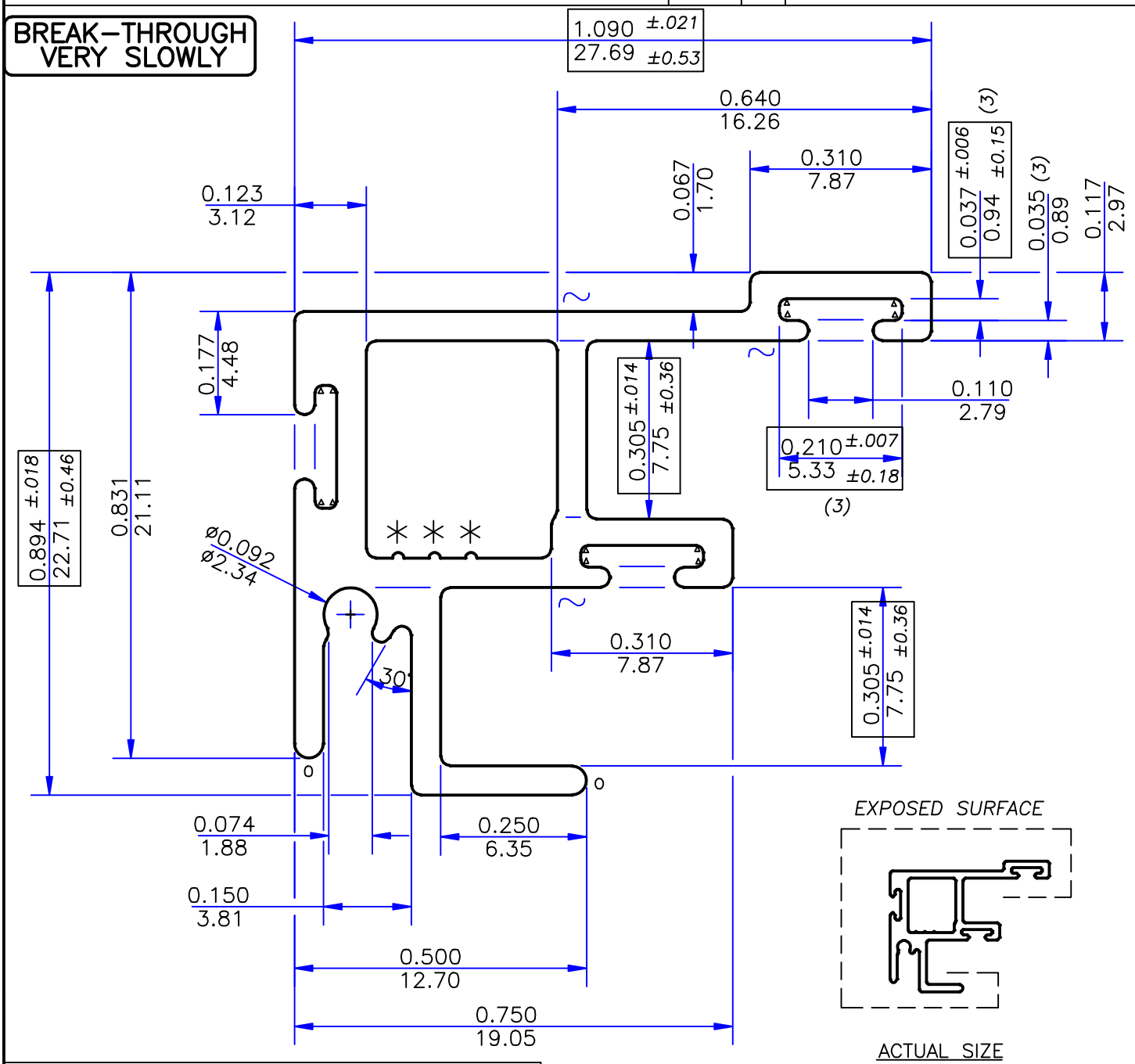
DATE

SCALE

DRAWN BY

CUSTOMER	PART NO.	DIE NO.	DASH
QUANTA TECHNOLOGIES	6101	AH–66838	1
DESCRIPTION: INTERIOR Z TRACK MAIN FRAME	TARRIF# ———	PROPOSAL# 17429–1A	
SAPA: 5675 Kennedy Road Mississauga, Ontario L4Z 2H9	DATE / SYM / REVISION		

BREAK–THROUGH VERY SLOWLY



EXPOSED SURFACE

ACTUAL SIZE

UNMARKED RADII = RADIUS TO SUIT
BREAK CORNERS = 0.016 (0.41) R.
(o) = FULL R.(2) (▵) = 0.012 (0.30) R. (12)

(*) = 0.010(0.25) R. X 0.010(0.25)H. SAPA I.D. MARKS ~ = FLOW LINES WILL APPEAR

sapa:

UNSPECIFIED WALL THICKNESS
±0.006(0.15) S
0.050(1.27)
±0.010(0.25) H

EST. AREA	0.210 IN² 136 MM²	OUT PER.	6.318 IN 160 MM
EST. WT.	0.252 LBS/FT. 0.375 KG/M	FACTOR	31
EST. PER.	7.715 IN 196 MM	C.C.D.	1.354 IN 34 MM
DWN BY	Vivian	ALLOY	6063–T5
SCALE	4:1	DATE	11–09–02

BREAK ALL CORNERS .016"R (0.41mm) R UNLESS OTHERWISE NOTED.

SAMPLE APPROVAL

THIS SAMPLE IS APPROVED AND INDALEX LIMITED MAY PROCEED WITH PRODUCTION

SIGNED: _____

DATE: _____

STANDARD ALUMINUM ASSOCIATION TOLERANCES TO APPLY UNLESS OTHERWISE SPECIFIED