

**MEETING DATE: 5/14/20**

**HISTORIC PRESERVATION  
BOARD**

**Case No. H20-03  
281 S Court St**



**CITY of MEDINA**  
**Historic Preservation Board**  
May 14, 2020

102

**Case No:** H20-03  
**Address:** 281 S. Court Street  
**Applicant:** Craig Strugill  
**Subject:** Certificate of Appropriateness – Window Replacement  
**Zoning:** C-2 – Central Business District  
**Submitted by:** Jonathan Mendel, Community Development Director 

**Site Location:**

This subject property is located on the northwest corner of N. Court St. and W. Smith Rd.

**Project introduction:**

The applicant requests a Certificate of Appropriateness for window replacement. The current windows are predominantly wood two sash with a single pane in each sash. The applicant proposes replacing the windows with Pella Impervia Fiberglass Frame two sash windows in Black

Attached to this report:

1. Applicant's project description and window details received May 6, 2020
2. Aerial site photo

**Considerations:**

**Design Guidelines**

- Section 145.07(3): With respect to preservation/rehabilitation/renovation generally it is the interest of the Board that buildings within the Historic District be preserved, thus maintaining the character of the Historic District. Consistent with the U.S. Secretary of the Interior, Standards for the Treatment of Historic Properties, the intent of these Guidelines is to preserve and restore the features which establish a building's architectural character while making alterations and renovations necessary for the efficient and contemporary use of the building.

- When the preservation of architectural features is not possible, alterations should be done in a manner respectful of the existing character, but done in a manner that is representative of architectural design and construction of contemporary times.

**Staff Comments:** The proposed windows will appear harmonious to the existing building and will be done in a manner respectful to the character of the District. The overall window sash design, frame material and color change will be harmonious with the subject property's architectural style and overall design. Presently, there is varying levels of deterioration and peeling paint on the windows; once replaced, the need for maintenance will be minimized for the future.

**Recommendation:**

Staff recommends the Historic Preservation Board grant a Certificate of Appropriateness for the project with the following condition:

1. Subject to all necessary building permits from the City of Medina Building Department.

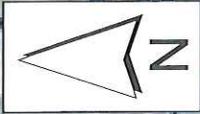


S COURT ST

E SMITH RD

W SMITH RD

Subject Site



1 inch = 50 feet

H20-03  
COA for  
window replacement  
281 S. Court St.  
May 14, 2020

## Jonathan Mendel

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**From:** Craig Sturgill <craig@truridge.com>  
**Sent:** Tuesday, May 5, 2020 5:35 PM  
**To:** Jonathan Mendel  
**Cc:** Sandy Davis; Tom Walpole  
**Subject:** Re: Window Approval - 281 S. Court St.

MAY 03 2020

BY:.....

Jonathan,

Also, sorry I forgot to include a description/outline of what I am trying to accomplish. Please see below for that description/outline...

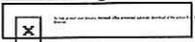
I am a local and lifelong Medina resident, having recently acquired the 281 S. Court St. multifamily property. I was attracted to the property because it gives me the chance to be part of the Historical Downtown Medina and continuously be more ingrained into the community. It is my goal and intent with the property to make aesthetic improvements that are both time-relevant, but also embrace the historical charm of the property.

The current windows in the property are very old and in extremely poor condition, with many of them having gaps in the window pane and the window sash of 1/4" or greater which is obviously a water intrusion hazard that is both unpleasant for the tenants, and also unsuitable for the property as it will continuously cause damage. The current wooden windows are also rotted and falling apart and severely in need of replacement.

I am not looking to put a band-aid on the windows and perform meagerly repairs, but rather implement a long-term durable solution that will both satisfy the problems that are currently present, but will also enhance the curb appeal and value of the property, making it an attractive property downtown that will bring in residents and life to the area, adding further excitement and value to the already growing south side of the square with other recent projects like the farmers exchange, etc.

The new windows will be a luxury brand (Pella) all black fiberglass windows that I believe will blend in well with other buildings in the vicinity (like the farmers exchange). Fiberglass windows are extremely durable, low maintenance, and will look exceptionally well paired with the existing brick exterior of the building. They will resist harsh weather and will not rot and deteriorate the way that wooden windows do. The windows are also very energy efficient which will lower tenant's utility bills and also help to reduce our carbon footprint.

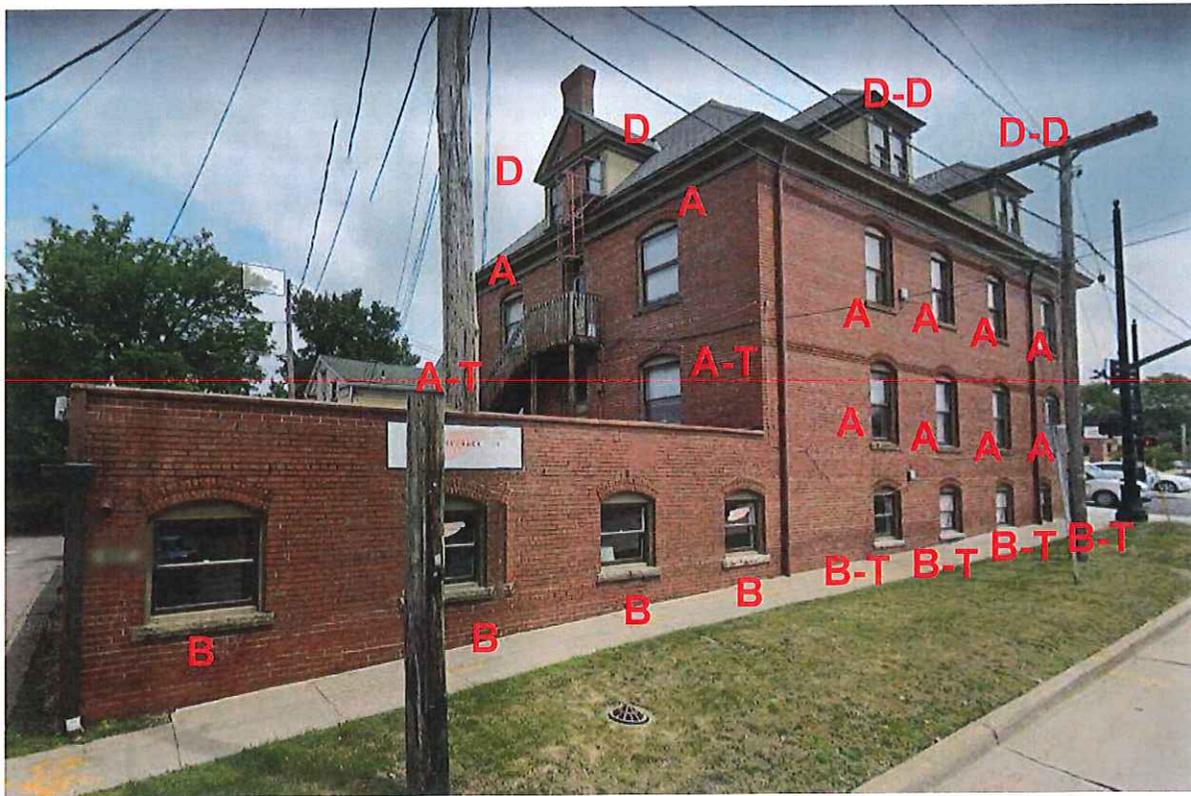
**Craig Sturgill**  
(330) 408-3366  
TruRidge.com

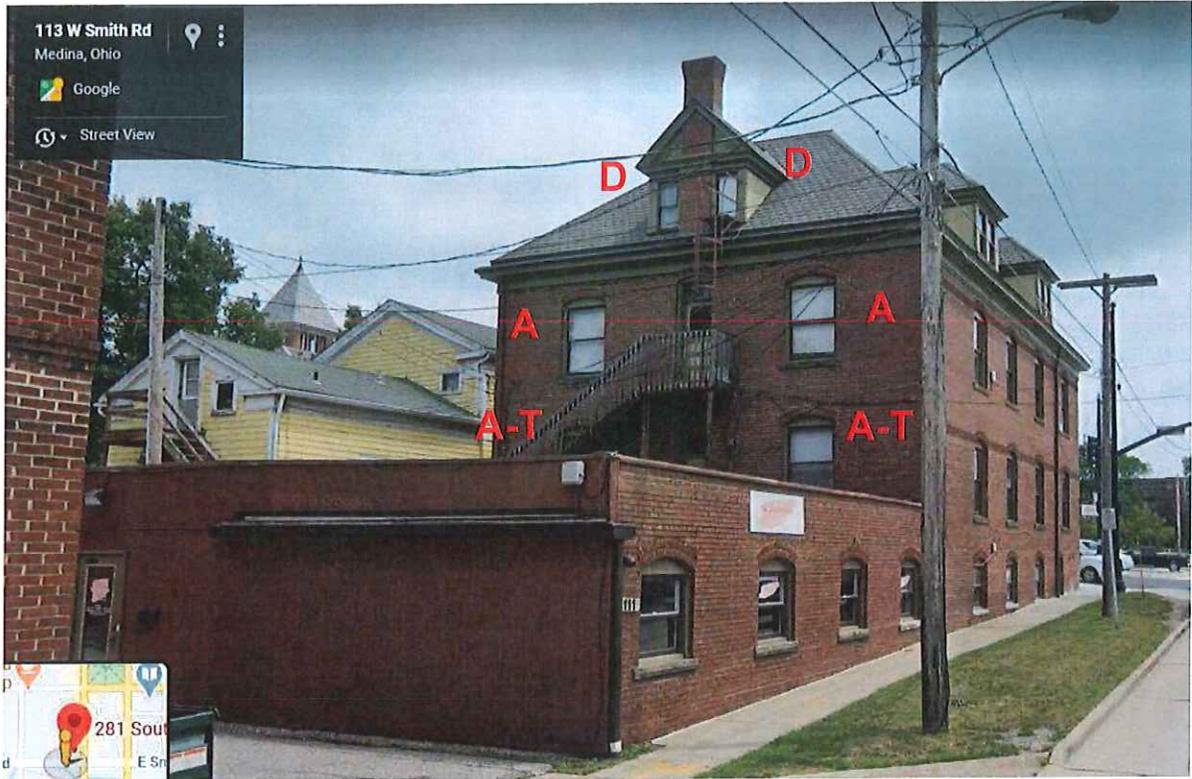


On Tue, May 5, 2020 at 5:23 PM Craig Sturgill <craig@truridge.com> wrote:  
Hi Jonathan,

Attached to this email is the completed Certificate of Appropriateness Application form for the windows we have discussed.

**SOUTH COURT APARTMENTS**  
281 South Court Street  
Medina, OH 44256







# PELLA WINDOW & DOOR CO.

Trade Name of Gunton Corporation

## PELLA WINDOW & DOOR CO.

26150 RICHMOND ROAD  
BEDFORD HEIGHTS, OH 44146  
PHONE: (216) 831-2420

SALESMAN: Tom Walpole (330) 312-7313

### COMMERCIAL QUOTATION/CONTRACT

<p>To: TruRidge, LLC 445 West Liberty Street, Suite 215 Medina, OH 44256</p> <p>Attn: Craig Sturgill C: (330) 408-3366 E: craig@truridge.com</p>	<p>Date: 05/04/2020</p> <p>Project: South Court Apartments</p> <p>Location: 281 South Court Street Medina, OH 44256</p>
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We propose to furnish the following:

- **PELLA® IMPERVIA®, FIBERGLASS FRAME WINDOWS**

Specifications for **WINDOWS** include the following:

- **General Information:**
  - **Product Line:** Pella® Impervia® Fiberglass
  - **Operation/Venting:** Single Hung, Fixed Direct Set
  - **Frame:** Duracast® Fiberglass Composite - 5-Layer, Pultruded Fiberglass Material Reinforced w/ A Pella® Patented Interlocking Mat. Overall Frame Depth Is 3". Nominal Wall Thickness Of Duracast® Fiberglass Composite Members Is .050" to .070" Thick. Frame Members Are Mitered, Joined And Bonded w/ Corner Lock And Mechanically Fastened w/ Injected Polyurethane Adhesive. Weep System At Sill To Channel Incidental Moisture To The Exterior.
  - **Sash:** Duracast® Fiberglass Composite - 5-Layer, Pultruded Fiberglass Material Reinforced w/ A Pella® Patented Interlocking Mat. All Sash Members Have Mitered Corners w/ Corner Lock And Sealed w/ Injected Polyurethane Adhesive.
  - **Weatherstripping:** Sash Is Weatherstripped Around The Perimeter w/ A Dual Fin-Type Pile Weatherstrip.
  - **Frame Type:** Block Frame
  - **Foam Insulated:** N/A
  - **Base Frame Depth:** 3"
  - **Base Wall Depth:** 1-11/16"
- **Exterior:**
  - **Color/Finish:** Duracast Fiberglass Composite Surfaces w/ Powder-Coat Paint Finish
    - 5-Finish Options (White, Tan, Brown, Morning Sky Gray, Black); TBD
- **Interior:**
  - **Color/Finish:** Duracast Fiberglass Composite Surfaces w/ Powder-Coat Paint Finish
    - Match Exterior Frame Color Selection; TBD
- **Glass Panel:**
  - **Glass Thickness:** 11/16"
  - **Glazing Type:** Dual Insulated
  - **Glass Strength:** Annealed Strength, Tempered Only Where Required By Code
  - **Insulated Glass Option:** Low-E
  - **Glass Style:** Advanced Low-E
  - **Gas Filled:** Argon
- **Hardware:**
  - **General Information:**
    - Galvanized Block-And-Tackle Balances Are Connected To Sash w/ Polyester Cord Concealed Within Frame.
    - Lower Sash Will Be Fully Operable For Ventilation.
    - Window Jamb Has Take-Out Clips To Remove Vent.

- All Fasteners Are Of A Corrosion-Resistant Material.
  - **Sash Lock:** Standard Cam-Action Lock. 2-Sash Locks On Units w/ 37"W Frame Or Greater.
  - **Hardware Finish:** Match Interior Frame Color Selection; TBD
  - **Window Opening Control Device (WOCD):** N/A
  - **Limited Opening Hardware:** N/A
- **Screen:**
  - **Screen Option:** Half Screen
  - **Screen Cloth:** InView™ Black Vinyl-Coated 18/18 Mesh Fiberglass Screen Cloth
- **Grilles:**
  - **Grille Type:** Grilles-Between-The-Glass (GBG). Insulating Glass Contains 3/4" Contoured Aluminum Grilles Permanently Installed Between 2-Panes Of Glass. Grilles Are Factory Prefinished To Match Exterior & Interior Frame Color Selection.
  - **Grille Profile Width:** 3/4" Contour
  - **Grille Pattern:** Traditional; Upper Sash Only
- **Wrapping:**
  - **Attachment Method:** Anchor Thru Frame
  - **Exterior Trim:** Aluminum Coil Stock; Match Exterior Frame Color Selection; TBD
  - **Interior Trim:** Colonial 3 Stop; Pine Wood; Match Interior Frame Color Selection; TBD
  - **Jamb Extension:** N/A
- **Performance Information:**
  - **Performance Class:** LC
  - **Performance Grade:** 40
  - **Sound Transmission Class (STC) Rating:** 26
  - **Outdoor/Indoor Transmission Class (OITC) Rating:** 22
  - **Design Pressure:** 40 / -40
  - **U-Factor:**
    - Measures The Rate Of Heat Transfer And Tells You How Well The Window Insulates.
    - U-factor Values Generally Range From 0.25 to 1.25 And Are Measured In Btu/h\*ft<sup>2</sup>\* F°.
    - The Lower The U-factor, The Better The Window Insulates.
    - **U-Factor: 0.31**
  - **Solar Heat Gain Coefficient (SHGC):**
    - Measures How Well A Window Blocks Heat From The Sunlight.
    - SHGC Values Generally Range From 0 to 1.
    - The Lower The SHGC, The Lower The Heat Gain Through The Window.
    - **SHGC: 0.26**
  - **Visible Light Transmittance (VLT):**
    - A Rating Based On How Much Visible Light Comes Through A Product.
    - VT Values Generally Range From 0 to 1.
    - The Higher The VT, The Higher The Potential For Daylighting.
    - **VLT: 0.47**

**Warranty:**

- **20-YEAR WARRANTY:** Glass
- **10-YEAR WARRANTY:** Product
- **2-YEAR WARRANTY:** Labor

**Installation Includes The Following:**

- Demo Sash & Blindstops
- Material Haul Away
- Set/Shim
- Anchor Thru Frame Material/Labor
- Exterior Aluminum Coil Stock Material/Labor
- Interior Stops Material/Labor
- Low-Expansion Insulation Foam Material/Labor
- Exterior Caulking Material/Labor
- Interior Caulking Material/Labor

**Special Notes:**

- 42-Window Openings / 55-Window Units
- Current Lead-Time Is ~ 6-7 Weeks After Material Order Is Placed.
- Current Installation Duration Time Is ~ 1-Week After Material Is Delivered.
- 50% Deposit (check or credit card payment) To Place The Order And Remaining Balance Due At Time Of Installation.
- Tag A, A-T, E & F Windows Will Meet (E1) Rated Egress; Minimum Clear Opening Of 24"H, 20"W and 5.0ft<sup>2</sup>
- Tag B, B-T, C-T, D, & D-D Windows Will NOT Meet Egress

<b>WINDOW SCHEDULE</b>				
<b>QTY</b>	<b>FRAME SIZE</b>	<b>DESCRIPTION</b>	<b>TAG</b>	<b>LOCATION</b>
18	44-1/2"W x 66-1/2"H	1-Unit; Single Hung	A	(8) Right, (8) Left, (2) Rear
2	44-1/2"W x 66-1/2"H	1-Unit; Single Hung; Tempered	A-T	(2) Rear
4	44-1/2"W x 41-1/4"H	1-Unit; Single Hung	B	(4) Left
4	44-1/2"W x 41-1/4"H	1-Unit; Single Hung; Tempered	B-T	(4) Left
1	44-1/2"W x 41-1/4"H	1-Unit; Single Hung; Tempered	C-T	(1) Right
2	28-1/2"W x 46-1/4"H	1-Unit; Single Hung	D	(2) Rear
5	28-1/2"W x 46-1/4"H	2-Unit; Single Hung	D-D	(1) Front, (2) Right, (2) Left
4	34-1/2"W / 48-1/2"W / 34-1/2"W x 65"H	3-Unit; Single Hung	E	(4) Front
1	48-1/2"W x 65"H	1-Unit; Single Hung	F	(1) Front
1	44-1/4"W x 20"H	1-Unit; Fixed Direct Set; Tempered	G-T	(1) Front



(18) A



(2) A-T



(4) B



(4) B-T



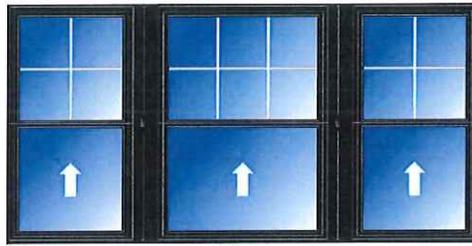
(1) C-T



(2) D



(5) D-D



(4) E



(1) F



(1) G-T

MATERIAL.....	\$30,423.00
INSTALLATION & USE TAX.....	\$34,052.00
<b>TOTAL.....</b>	<b>\$64,475.00</b>

**VOLUNTARY ADDS / DEDUCTS:**

- **SOLID COLOR FRAMES:**
  - IMPERVIA® SOLID COLOR FRAMES; SAME COLOR ON BOTH EXTERIOR & INTERIOR
  - WHITE, TAN, BROWN, MORNING SKY GRAY, BLACK.....ADD \$00.00 TOTAL
- **DUAL COLOR FRAMES:**
  - IMPERVIA® DUAL COLOR FRAMES; EXTERIOR ONLY WITH WHITE INTERIOR
  - TAN, BROWN, MORNING SKY GRAY, BLACK.....ADD \$1,465.00 TOTAL
- **CONVENTIONAL BLACK VINYL COATED 18/16 MESH FIBERGLASS SCREEN CLOTH**
  - (In Lieu Of InView™ Black Vinyl-Coated 18/18 Mesh Fiberglass Screen Cloth)
  - .....DEDUCT (\$910.00) TOTAL

- **PROVIDE 1-UNIT; FIXED DIRECT SET w/ 1-5/8"W APPLIED GRILLES (Horizontal) & 3/4"W GBG (Vertical)**
  - (4) "B" LEFT LOCATION.....ADD \$380.00 TOTAL
  - (4) "B-T" LEFT LOCATION.....ADD \$380.00 TOTAL
  - (1) "C-T" RIGHT LOCATION.....ADD \$95.00 TOTAL
  - (4) "E" FRONT LOCATION.....ADD \$1,545.00 TOTAL
  - (1) "F" FRONT LOCATION.....ADD \$170.00 TOTAL
  - ALL LOWER & FRONT WINDOW UNIT LOCATIONS.....ADD \$2,570.00 TOTAL

## PELLA WINDOW & DOOR COMPANY

Trade Name of Gunton Corporation

### COMMERCIAL TERMS AND CONDITIONS

v.2016

#### • Definitions

- "Seller" means Gunton Corporation, dba Pella Window and Door Co.
- "Buyer" means that person, partnership, firm, company or corporation who is a client of the Seller.
- "Merchandise" means all of the goods, materials, services and equipment to be provided by the Seller pursuant to this proposal.
- "Work" means all of the services performed by Seller and materials and equipment procured by Seller in relation to Seller's obligations under this proposal.
- "Owner" means the client of the buyer as identified to the Seller.

#### • Proposal

- This proposal, together with any and all addendum documents attached or incorporated herein by reference shall constitute the entire agreement between the parties and may not be modified except by written change.
- This proposal includes only those items specifically mentioned. Items not specifically mentioned, including installation, are not included in the bid price. All prices are exclusive of all sales, use or other taxes. Buyers shall pay, or reimburse Seller for all such taxes levied or required to be collected by Seller.
- This proposal constitutes an offer by the Seller to provide the Merchandise and/or Work specified in this proposal in accordance with the terms and conditions, at the price and within the delivery dates stated herein. This quotation is subject to the acceptance by the Buyer and expires 30 days after its issuance if not accepted in writing.
- Buyer shall indicate acceptance of this offer by executing and returning this offer to Seller. No Work or Merchandise will be initiated or delivered without a signed acceptance of this offer from Buyer."
- No Work or Merchandise will be initiated until Buyer has received approved or approved as noted shop drawings or takeoff form, said approval to be in writing

#### • Changes/Cancellation and Associated Costs

- After acceptance the Buyer may, from time to time, order changes, by written notice, in the Merchandise, including but not limited to, quantity, size or color, or in the requirements of the Work. Seller shall within ten working days inform Buyer of any change in Buyer's cost or delay in delivery. Upon Seller's receipt of Buyer's written change order acknowledging Seller's revised price and delivery, Seller shall proceed with the requested changes.
- In the event of changes to the Merchandise and/or Work, the Buyer shall pay Seller to effect the desired change, including, but not limited to, restocking charges for standard products and charges imposed by outside sources of supply.
- Buyer shall have the right to cancel the Work and/or Merchandise, or any part thereof, including delivery upon written notice to Seller. In the event of a cancellation, Buyer shall pay Seller that portion of the purchase price representing the actual cost of materials delivered prior to cancellation; the cost of work actually performed in the amount proportionate to the purchase order price; the costs incurred by the Seller in terminating the Work or delivery of the Merchandise; and a reasonable surcharge for overhead and profit.
- In no event shall Seller be entitled to recover loss of overhead or anticipated profits on Work not performed; or Merchandise not delivered.

#### • Time of Commencement and Completion

- Delivery of Merchandise shall be a function of factory fabrication schedules.
- Seller shall not be liable to Buyer or Owner for any costs, claims or damages due to delays, escalation, alterations, interferences with performance, suspensions or changes in performance of sequence of the Work, for any reason beyond its direct control, including but not limited to Acts of God, delays caused by Owner or Buyer, transportation, shortage of raw materials, civil disorders, labor difficulties, vendor allocations, fire, floods or unusually severe weather for the area.
- Should the Seller be interfered with or delayed or be suspended in the commencement, prosecution or completion of the Work or delivery of the Merchandise for any cause of force majeure, Seller shall be entitled to an extension of time to complete the Work or make delivery of the Merchandise equal to the delay.
- In addition to the above, should Seller be delayed as the result of the acts of the Buyer or Owner, Seller shall be entitled to an equitable adjustment in the price for additional costs due to such unanticipated delays.

#### • Payment

- Seller shall submit invoices for Merchandise upon delivery to the Buyer's facility or jobsite. Invoices for

Work shall be submitted when work is substantially complete.

- o All material shall be Cash on Delivery unless prior open account credit has been approved by Seller. Open account terms are net 30 days from date of invoice. All sums not paid when due shall be subject to a finance charge of 1.0% per month (annual rate of 12%). Further, Buyer shall be responsible to Seller for all collection costs and expenses, including reasonable attorneys' fees, incurred by Seller in the event of Buyer's failure to pay Seller any and all sums owed."
- o Seller maintains all rights to file and execute liens to collect amounts due.

**Buyer's Responsibility**

- o The Buyer will be responsible for:
  - Accepting delivery of material by signature
  - Unloading help
  - Inspection of material for damages or shortages concurrent with delivery.
  - Filing notice of defects within five days and shortages within twenty-four hours of delivery.
- o Failure to file such notice shall constitute final acceptance of materials and workmanship.

**Indemnity**

- o Seller agrees to indemnify and hold harmless the Buyer and Owner against claims, damages, losses, and expenses arising out of the supply of the Work, provided that such claim, damage, loss, or expense is attributable to personal injury or injury to or destruction of tangible property, but only to the extent it was caused by negligent acts or omissions of the Seller, its agents or employees.

**Design Documents**

8.1 Owner expressly warrants that the design/construction documents are complete, fully coordinated, without defects, and ready for construction.

**Governing Law**

- o In accepting this proposal, Buyer agrees that any resulting contract shall be interpreted in accordance with and governed by the laws of the state in which the Seller's quoting office is located.

**CAUTION**

Regulations governing the design and use of glazed windows and doors vary widely. The building owner, architect, and/or installer are responsible for selecting products which conform to all applicable laws and codes. Accordingly, the Gunton Corporation will not assume responsibility for improper product selection.

Neither the Gunton Corporation nor the Pella Corporation will assume responsibility for windows and glazing panels not installed in compliance with applicable local and federal codes and regulations or in accordance with Gunton Corporation and Pella Corporation - approved installation instructions.

Seller

Buyer

Gunton Corporation, dba Pella Window and Door Co.

\_\_\_\_\_

By: Thomas C. Walpole

By: \_\_\_\_\_

Name: Thomas C. Walpole

Name: \_\_\_\_\_

Title: Commercial Sales Specialist

Title: \_\_\_\_\_

The persons executing this agreement are authorized by Seller and Buyer respectively to bind said Seller and Buyer to this agreement.

**TERMS AND CONDITIONS ARE LISTED ON THE BACK OF THIS QUOTATION/CONTRACT**

Accepted \_\_\_\_\_ 20 \_\_\_\_\_

By:

By \_\_\_\_\_

Sales Representative of  
**PELLA WINDOW & DOOR CO.**

# Pella® Impervia® FIBERGLASS



The strongest most durable material available for windows and doors.<sup>1</sup>

Casement



- **100X MORE IMPACT RESISTANT<sup>2</sup>**  
Pella Impervia products are made from our patented Duracast® material and are on average 100x more impact-resistant than a leading composite product.<sup>2</sup>
- **SUPERIOR PERFORMANCE**  
Our patented Duracast® material was designed to withstand extreme heat, subzero cold and the rigorous performance requirements of a commercial building – a great solution for almost any project.<sup>3</sup>
- **RESISTS FADING AND SCRATCHING**  
Our long-lasting powder-coat finish resists chalking, fading and scratching, and keeps your modern style windows looking great for years. Available in five colors.
- **SLIM SIGHTLINES, MORE GLASS**  
Intentionally designed products made with exceptionally strong fiberglass, allow you to create bold designs with slim profiles and more visible glass.
- **EXCEPTIONAL MULLING CAPABILITIES**  
The superior strength of Pella's fiberglass allows you to combine standard and special-sized windows together to create larger, unique combinations, made just for your remodel or new construction project.
- **ENERGY STAR® CERTIFIED<sup>4</sup>**  
Pella Impervia products with dual-pane glass offer energy-efficient options that will meet or exceed ENERGY STAR guidelines in all 50 states.
- **TESTED BEYOND REQUIREMENTS**  
We test beyond requirements so you can trust our products to perform. Tested from -40°F to 180°F, our patented five-layer fiberglass composite can handle some of the harshest conditions.<sup>3</sup>
- **THE CONFIDENCE OF A STRONG WARRANTY**  
Backed by one of the strongest warranties in the business. See written limited warranty for details, including exceptions and limitations, at [installpella.com/warranties](http://installpella.com/warranties).
- **DUAL-COLOR FRAMES**  
Complement interior and exterior styling with dual-color frames. Pair a white interior with one of five exterior colors or choose a solid-color frame available in a variety of colors, including black.

## AVAILABLE IN THESE WINDOW & PATIO DOOR STYLES:



Fixed and special shape windows also available.

<sup>1,2,3,4</sup> See back cover for disclosures.

# PRODUCT SPECIFICATIONS

WINDOW & PATIO DOOR STYLES	MIN. WIDTH	MIN. HEIGHT	MAX. WIDTH	MAX. HEIGHT	PERFORMANCE CLASS AND GRADE	PERFORMANCE VALUES			FRAME / INSTALL
						U-FACTOR	SHGC	STC	
<b>VENT AWNING</b>	20"	17-½"	53-½"	29-½"	LC50	0.24-0.46	0.18-0.55	25-32	Block Frame Standard Fin Off-set Fin Integral Fin
<b>FIXED AWNING</b>	13-½"	11-½"	71-½"	79-½"	LC50	N/A	N/A	27-33	
<b>VENT LARGE AWNING</b>	29-½"	29-½"	59-½"	59-½"	LC30-LC50	0.24-0.47	0.18-0.55	N/A	
<b>VENT CASEMENT</b>	17-½"	20"	37-½"	79-½"	LC40-LC50	0.26-0.45	0.18-0.55	25-32	
<b>FIXED CASEMENT</b>	13-½"	11-½"	71-½"	79-½"	LC45-LC50	0.22-0.48	0.20-0.62	27-33	
<b>VENT DOUBLE-HUNG</b>	17-½"	29-½"	47-½"	79-½"	LC30-LC50	0.25-0.49	0.19-0.58	26-29	
<b>VENT SINGLE-HUNG</b>	17-½"	23-½"	47-½"	79-½"	LC40-LC50	0.24-0.51	0.19-0.59	26-32	Block Frame Standard Fin Off-set Fin Integral Fin Flush Flange
<b>SLIDING WINDOW (OX, XO)</b>	23-½"	11-½"	71-½"	71-½"	LC30-LC50	0.25-0.50	0.19-0.59	26-33	
<b>SLIDING WINDOW (XOX)</b>	47-½"	17-½"	107-½"	71-½"	LC30-LC50	0.25-0.50	0.19-0.59	26-32	
<b>FIXED SLIDING WINDOW</b>	23-½"	11-½"	71-½"	59-½"	LC30-LC50	0.25-0.50	0.19-0.59	26-33	
<b>FIXED FRAME DIRECT SET</b>	11-½"	11-½"	112"	112"	CW50	0.21-0.46	0.20-0.69	28-37	Block Frame Standard Fin Off-set Fin
<b>FIXED SASH AND FRAME</b>	13-½"	13-½"	71-½"	71-½"	CW35-CW50	0.22-0.50	0.20-0.62	27-33	
<b>SLIDING PATIO DOOR (ONE PANEL)</b>	27"	71-1/2"	49-1/2"	95-1/2"	LC30-LC50	0.25-0.48	0.19-0.61	27-32	Block Frame
<b>SLIDING PATIO DOOR (TWO PANEL)</b>	47-½"	71-½"	95-½"	95-½"	LC30-LC50	0.25-0.48	0.19-0.61	27-32	

### WINDOW SIZES AVAILABLE IN 1/8" INCREMENTS

Maximum square footage rules apply. Maximum width and height cannot exceed the maximum square footage. Special shapes available. Visit PellaADM.com for specific sizes and glazings tested and for more information regarding frame and installation types.

## WINDOW HARDWARE

### CASEMENT & AWNING

Folds neatly out of the way so it won't interfere with roomside window treatments.



FOLD-AWAY  
CRANK

#### COLOR-MATCHED FINISHES:



#### ADDITIONAL FINISHES:



### SLIDING, SINGLE- & DOUBLE-HUNG

Pella's cam-action locks pull the sashes against the weatherstripping for a tighter seal.



CAM-ACTION  
LOCK

#### COLOR-MATCHED FINISHES:



#### ADDITIONAL FINISHES:



## PATIO DOOR HARDWARE

### SLIDING PATIO DOOR

Open and close the door with one hand with a convenient thumblock.



SLIDING PATIO  
DOOR HANDLE

#### COLOR-MATCHED FINISHES:



#### ADDITIONAL FINISHES:



### FOOTBOLT

A footbolt comes standard on all sliding patio doors and can hold the door open about three inches for ventilation.

## COLORS & FINISHES

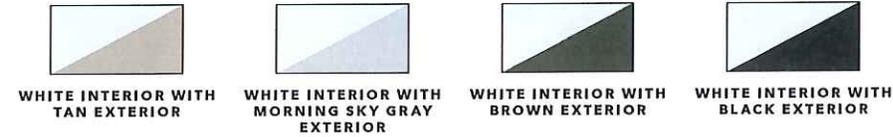
### FRAME COLORS

Pella Impervia windows and patio doors feature a low-maintenance, durable powder-coat paint finish. Dual-color frames allow you to choose a different color for the exterior.

#### SOLID-COLOR:



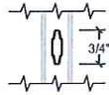
#### DUAL-COLOR FRAMES:



## GRILLES

### GRILLES

Grilles are color-matched to your window or patio door interior and exterior frame color.<sup>5</sup>



**ALUMINUM GRILLES -  
BETWEEN-THE-GLASS  
3/4"**

<sup>1</sup> In testing performed in accordance with ASTM testing standards, Pella's Duracast has displayed superior performance in strength, ability to withstand extreme heat and cold, and resistance to dents and scratches. Special shape windows are made from a non-Duracast fiberglass composite.

<sup>2</sup> Impact testing performance based on testing 10 samples of each material using ASTM D256, Method C.

<sup>3</sup> Pella Impervia windows and patio doors have a performance grade of LC or higher. For information on product ratings see [installpella.com/performance](http://installpella.com/performance).

<sup>4</sup> Pella products may not meet ENERGY STAR guidelines in Canada. For more information, contact your local Pella sales representative or go to [energystar.gc.ca](http://energystar.gc.ca).

<sup>5</sup> Appearance of exterior grille color may vary depending on the Low-E insulating glass selection.