



# **Staff Report**

## **Knoxville Historic Zoning Commission**

File Number: 9-A-24-HZ

Meeting:	9/19/2024
Applicant:	Patrick McLemore, Historic Tennessee Theatre Foundation
Owner:	Historic Tennessee Theatre Foundation

## **Property Information**

Location:	604 S. Gay St.	Parcel ID	95 I F 002		
District:	Tennessee Theatre Individual H Landmark				
Zoning:	DK (Downtown Knoxville)				
Description:	Burwell Building & Tennessee Theater, c.1907				
Area of work	Area of work proposed for two-story, flat roof, stone-clad commercial building on Clinch Avenue.				

## **Description of Work**

Level II Major Repair or Replacement

Exterior rehabilitation to north side elevation, focused on box office area on side elevation of Tennessee Theatre. Project includes the removal and replacement of second-story, double-hung windows, first story storefront windows, and left bay door.

On the second story, one-over-one, double-hung windows will be removed and replaced with one-over-one, doublehung, aluminum-clad wood windows. The paired windows will feature a larger trim and central mullion to account for their smaller size compared to existing windows.

On the first story, the windows will be replaced with single-light, fixed, aluminum-clad wood windows of the same size. Removal of the wood half-light door on the left side; installation of fixed aluminum-clad wood window in the same place. Transoms to be retained.

## **Applicable Design Guidelines**

Secretary of the Interior's Standards for Rehabilitating Historic Buildings.

6. Deteriorated historic features shall be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature shall match the old in design, color, texture, and other visual qualities and, where possible, materials. Replacement of missing features shall be substantiated by documentary, physical, or pictorial evidence.

## Comments

N/A

## Staff Findings

1. The Tennessee Theatre is individually listed on the National Register of Historic Places and as a local historic

landmark. The section to receive work is a secondary elevation on Clinch Avenue, as a two-story, stone-clad, flat-roof massing that serves as the box office window.

2. No information is available on the installation date of the windows; the NRHP nomination describes one-overone, double-hung sash on the second story. The application proposes reframing and replacing the second-story windows due to deterioration and water infiltration into the stone cladding and the building's interior. Both the first- and second-story windows are simple in design. Replacement of the deteriorated second-story double-hung windows and the first-story storefront windows is appropriate. The project will retain the existing multi-light transom windows.

3. The SOI Standards for Rehabilitation recommend replacement features which match the old in "design, color, texture, and other visual qualities, and where possible, materials." Aluminum-clad wood is commonly approved by the Design Review Board for other historic buildings along Gay Street, recognizing the material's ability to match the original muntin profile and size, while incorporating additional weather protection from the aluminum cladding on the exterior. In the opinion of staff, the proposed aluminum-clad windows are appropriate replacements for this application, especially on a secondary elevation.

4. The replacement windows for the single-light storefront windows on the first story will not further enclose the original fenestrations; the proposed replacements meet the guidelines.

5. Removal of a non-historic, single-light secondary access on the left bay of the first story is appropriate; the proposed single-light window will retain the original stone opening and contribute additional transparency.

6. The replacements proposed for the second story are smaller in size than the existing, and will require the installation of additional trim. The replacement windows are 48" wide (96" total) within a 119" wide opening, requiring 23" of additional enclosure. SOI Standards (and the associated guidelines) discourage replacing original or historic windows with new windows that have different muntin profiles, trim, or overall sizes. Enclosing windows further with internal trim is also not recommended.

## Staff Recommendation

Staff recommends approval of Certificate 9-A-24-HZ, subject to the following condition: 1) replacement windows on second story to replicate (or exceed) the size of the existing and not further enclose the fenestrations with trim, with a revised specification to be submitted to staff for approval.



## DESIGN REVIEW REQUEST

□ DOWNTOWN DESIGN (DK)

HISTORIC ZONING (H)

□ INFILL HOUSING (IH)

## Historic Tennessee Theatre Foundation

Applicant		
8/21/24	9/19/24	
Date Filed	Meeting Date (if applicable)	File Number(s)

## **CORRESPONDENCE**

All correspondence related to this application should be directed to the approved contact listed below.

## ■ Owner □ Contractor □ Engineer □ Architect/Landscape Architect

Patrick McLemore		Historic Tennesse	Historic Tennessee Theatre Foundation			
Name		Company				
604 S Gay St.		Knoxville	TN	37902		
Address		City	State	Zip		
865-661-9381 pmclemore@tennes		ennesseetheatre.com				
Phone	Email					

## **CURRENT PROPERTY INFO**

Historic Tennessee Theatre Foundation	604 S Gay St.		865-684-1200
Owner Name (if different from applicant)	Owner Address		Owner Phone
604 S Gay St.		095IF002	
Property Address		Parcel ID	
Central City		DK-H	
Neighborhood		Zoning	

## AUTHORIZATION

Lindsay	Crockett	Lindsay Crockett	8.22.2024
Staff Signature 👌		Please Print	Date
		Patrick McLemore	8/6/24
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# REQUEST

DOWN IOWN DESIGN	Level 1:   Signs   Alteration of an existing building/structure   Level 2:   Addition to an existing building/structure   Level 3:   Construction of new building/structure   Site design, parking, plazas, landscape   See required Downtown Design attachment for more details.   Brief description of work:
HISTORIC ZONING	Level 1:         Signs       Routine repair of siding, windows, roof, or other features, in-kind; Installation of gutters, storm windows/doors         Level 2:       Major repair, removal, or replacement of architectural elements or materials       Additions and accessory structures         Level 3:       Construction of a new primary building         Level 4:       Demolition of a contributing structure       Demolition of a contributing structure         See required Historic Zoning attachment for more details.       Brief description of work: Replace existing windows with new windows. No change to the finished look of the windows. Arhetectrual windows will not be replaced. Instead, an interior window will be installed to help with atmospheric control.
INFILL HOUSING	Level 1:   Driveways, parking pads, access point, garages or similar facilities   Subdivisions   Level 2:   Additions visible from the primary street   Changes to porches visible from the primary street   Level 3:   New primary structure   Site built   Modular   Multi-Sectional   See required Infill Housing attachment for more details.   Brief description of work:

	ATTACHMENTS	FEE 1:	TOTAL:
ONLY	Downtown Design Checklist	100.00	100.00
õ	Historic Zoning Design Checklist	FEE 2:	
USE (	Infill Housing Design Checklist		
STAFF	ADDITIONAL REQUIREMENTS		
STA	Property Owners / Option Holders	FEE 3:	
	Level 1: \$50 • Level 2: \$100 • Level 3: \$250 • Level 4: \$500		



Lindsay Crockett <lindsay.crockett@knoxplanning.org>

## **Clinch Ave. Box Office Windows**

**Patrick McLemore** pmclemore@tennesseetheatre.com>
To: Lindsay Crockett <lindsay.crockett@knoxplanning.org>

Wed, Aug 21, 2024 at 11:07 AM

Good Morning Lindsay,

Attached is an updated a Design Review Request to reflect the Level 2 request. The attached picture shows each window labeled with a reference to the "McCarty Holsaple" document for each individual window.

-Type A/B are to be reframed to the existing stone for water infiltration

-Type B window units will be smaller than existing windows and the difference will be made up with the center mull and the exterior trim.

-Type C/D/E windows will have no change to the existing size of each opening.

-Type E will be a full window instead of a door facade.

-Type 40 - 55 (the transom windows) will not be disturbed on the exterior of the building. They will receive a new clear glass dual panel insulated window wood clad on the interior to improve air infiltration. -All will be finished with black mullions.

The additional two documents are product descriptions for the proposed windows. I believe these are all of the items on the Historic Zoning Checklist. Let me know if you need more information to get this onto the next meeting for approval.



### Patrick McLemore

Sr. Director of Facilities

Tennessee Theatre

p: 865-684-1200 ext 196

- a: 604 South Gay Street, Knoxville, TN 37902
- w: www.tennesseetheatre.com e: pmclemore@tennesseetheatre.com

From: Lindsay Crockett <lindsay.crockett@knoxplanning.org> Sent: Wednesday, August 7, 2024 12:16 PM

[Quoted text hidden]

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#### 5 attachments



224 Clinch Storefront Window Replacement Key.jpeg 4010K





Sales Rep Name:Duckett, JohnSales Rep Phone:404-486-3574Sales Rep Fax:678-638-1494Sales Rep E-Mail:jduckett@pellasoutheast.com

Customer Information	Project/Delivery Address	Order Information
McCarty Holsaple McCarty Architects	TNT Building	Quote Name: TNT Building
550 W. Main Street Suite 300	550 W. Main Street	
Suite 300		Order Number: 337
KNOXVILLE, TN 37902	Lot #	Quote Number: 18080575
Primary Phone: (865) 55442000	KNOXVILLE, TN 37902	Order Type: Non-Installed Sales
Mobile Phone:	County:	Wall Depth:
Fax Number:	Owner Name:	Payment Terms: Deposit/C.O.D.
E-Mail:		Tax Code: TN - KNOX
Contact Name:	Owner Phone:	Cust Delivery Date: None
		<b>Quoted Date:</b> 4/19/2024
Great Plains #: 3707372		Contracted Date:
Customer Number: 1003635824		Booked Date:
Customer Account: 1000792993		Customer PO #:
line #	Λ ++r	ibutes

10       TYPE A         Image: State of the		
*956.59       1         ************************************		Price Qty Ext'd Price
Screen: Full Screen, Black, InView™ Performance Information: U-Factor 0.30, SHGC 0.30, VLT 0.57, CPD PEL-N-35-00514-00001, Performance Class LC, PG 25, Calculate Rating 25, Calculated Negative DP Rating 25, STC 27, OITC 23, Clear Opening Width 38.812, Clear Opening Height 38.75, Clear Ope 10.4442, Egress Meets Typical 5.7 sqft (E) (United States Only) Grille: No Grille, Wrapping Information: 8" Installation Clips, Branch Supplied, No Exterior Trim, 3 11/16", 5", Factory Applied, Pella Recommended C	2171	6.59 1 \$956. egrated Sensor PG 25, Calculated Positive DP 8.75, Clear Opening Area

Rough Opening: 1085.850 X 2152.65

Project Name: TNT Building

Line #	Location:	Attributes			
15	TYPE B	Lifestyle, Double Hung, 1219.2 X 2133.6, Without HGP, Black	Item Price	Qty	Ext'd Price
     View	C C C C C C C C C C C C C C C C C C C	1: Non-Standard Size Double Hung, Equal         Frame Size: 48 X 84         Unit Type: No Program         General Information: No Package, Without Hinged Glass Panel, Clad, Pine, 5", 3 11/16", Jambline         2171         Exterior Color / Finish: Standard Enduraclad, Black         Interior Color / Finish: Primed Interior         Glass: Insulated Low-E Advanced Low-E Insulating Glass Argon Non High Altitude         Hardware Options: Cam-Action Lock, 2 Locks, White, No Limited Opening Hardware, Order Sa         Screen: Full Screen, Black, InView™         Performance Information: U-Factor 0.30, SHGC 0.30, VLT 0.56, CPD PEL-N-35-00517-00001, Pe         Rating 25, Calculated Negative DP Rating 25, STC 27, OITC 23, Clear Opening Width 44.812, C         12.05878, Egress Meets Typical 5.7 sqft (E) (United States Only)         Grille: No Grille,         Wrapping Information: 8" Installation Clips, Branch Supplied, No Exterior Trim, 4 9/16", 5 7/8", 4         Applied, Pella Recommended Clearance, Perimeter Length = 264".	ash Lift, 2 Lifts, No Integrated erformance Class LC, PG 25, ( Clear Opening Height 38.75, Cl	Calculated ear Openi	ng Area

## Rough Opening: 1238.250 X 2152.65

Line #	Location:		Attributes			
20	TYPE C		Lifestyle, Direct Set, Fixed Frame, 1625.6 X 1981.2, Without HGP, Black	Item Price	Qty	Ext'd Price
2		PK#	1: 6478 Fixed Frame Direct Set Frame Size: 64 X 78 Unit Type: No Program	\$1,837.81	1	\$1,837.81
Views	ed From Exterior	2171	General Information: No Package, Without Hinged Glass Panel, Interior Glazed, Standard, Clad, Pine, 5", 3 11/ Exterior Color / Finish: Standard Enduraclad, Black Interior Color / Finish: Primed Interior	16"		
VIEWE	a fiom extend		Glass: Insulated Dual Tempered Low-E Advanced Low-E Insulating Glass Argon Non High Altitude Performance Information: U-Factor 0.28, SHGC 0.31, VLT 0.59, CPD PEL-N-18-04248-00001, Performance C Rating 60, Calculated Negative DP Rating 60, STC 31, OITC 26 Grille: No Grille,	Class AW, PG 60,	Calculated	Positive DP
			Wrapping Information: 8" Installation Clips, Branch Supplied, No Exterior Trim, 3 11/16", 5", Factory Applied, Pe Length = 284".	ella Recommended	d Clearanc	e, Perimeter

### Rough Opening: 1644.650 X 2000.25

Line #	Location:	Attributes			
25	TYPE D	Lifestyle, Direct Set, Lifestyle, Direct Set, 3035.30 X 1981.2, Without HGP, Black	Item Price	Qty	Ext'd Price
	21 ed From Exterior	1: 59.7578 Fixed Frame Direct Set Frame Size: 59 3/4 X 78	Class AW, PG 60, 1 /16" Class AW, PG 60, 1	Calculated	Positive DP

### Rough Opening: 3054.350 X 2000.25

Line #	Location:		Attributes			
30	TYPE E		Lifestyle, Direct Set, Fixed Frame, 1117.6 X 2616.2, Without HGP, Black	Item Price	Qty	Ext'd Price
			,,, _,, _	\$1,771.77	1	\$1,771.77
þ			1: 44103 Fixed Frame Direct Set			
2857			Frame Size: 44 X 103			
		PK #	Unit Type: No Program General Information: No Package, Without Hinged Glass Panel, Interior Glazed, Standard, Clad, Pine, 5", 3 1	1/16"		
- H	44	2171	Exterior Color / Finish: Standard Enduraciad. Black	1/10		
			Interior Color / Finish: Primed Interior			
Viewed	From Exterior		Glass: Insulated Dual Tempered Low-E Advanced Low-E Insulating Glass Argon Non High Altitude			
			Performance Information: U-Factor 0.27, SHGC 0.32, VLT 0.60, CPD PEL-N-18-04240-00001, Performance Rating 60, Calculated Negative DP Rating 60, STC 28, OITC 24 Grille: No Grille,	Class AW, PG 60,	Calculated	Positive DP
			Wrapping Information: 8" Installation Clips, Branch Supplied, No Exterior Trim, 3 11/16", 5", Factory Applied, F Length = 294".	Pella Recommended	l Clearanc	e, Perimeter

## Rough Opening: 1136.650 X 2635.25

For more information regarding the finishing, maintenance, service and warranty of all Pella® products, visit the Pella® website at www.pella.com

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Line #	Location:		Attributes			
35	None Assign	ned	2 1/2" Frame Expander, Length: 144, Black	Item Price	Qty	Ext'd Price
	1			\$30.52	5	\$152.60
		<b>PK #</b> 2171	1: Accessory Frame Size: 1 X 1 General Information: 2 1/2" Frame Expander Exterior Color / Finish: Painted, Standard Enduraclad, Black Wrapping Information: Perimeter Length = 0".			
View	ed From Exterio	or				

Line #	Location:	Attributes			
40	None Assigned	Lifestyle, Direct Set, Fixed Frame, 1104.90 X 698.50, Without HGP, Black	Item Price	Qty	Ext'd Price
1.000		,,,,	\$632.40	1	\$632.40
View	PK# 2171 ed From Exterior	1: 43.527.5 Fixed Frame Direct Set Frame Size: 43 1/2 X 27 1/2 Unit Type: No Program General Information: No Package, Without Hinged Glass Panel, Interior Glazed, Standard, Clad, Pine, 5", Exterior Color / Finish: Standard Enduraclad, Black Interior Color / Finish: Primed Interior Glass: Insulated Dual Tempered Low-E Advanced Low-E Insulating Glass Argon Non High Altitude Performance Information: U-Factor 0.28, SHGC 0.32, VLT 0.62, CPD PEL-N-18-04208-00001, Performance Rating 90, Calculated Negative DP Rating 90, STC 27, OITC 22 Grille: No Grille, Wrapping Information: 8" Installation Clips, Branch Supplied, No Exterior Trim, 3 11/16", 5", Factory Applie Length = 142".	nce Class AW, PG 90,		

Rough Opening: 1123.950 X 717.550

Line #	Location:	Attributes			
45	None Assigned	Lifestyle, Direct Set, Fixed Frame, 1130.30 X 698.50, Without HGP, Black	Item Price	Qty	Ext'd Price
		, _, , ,	\$639.03	1	\$639.03
Viewe	ed From Exterior	1: 44.527.5 Fixed Frame Direct Set         Frame Size: 44 1/2 X 27 1/2         Unit Type: No Program         General Information: No Package, Without Hinged Glass Panel, Interior Glazed, Standard, Clad, Pine, 5", 3 11/2         2171       Exterior Color / Finish: Standard Enduraclad, Black         Interior Color / Finish: Primed Interior         Glass: Insulated Dual Tempered Low-E Advanced Low-E Insulating Glass Argon Non High Altitude         Performance Information: U-Factor 0.28, SHGC 0.32, VLT 0.62, CPD PEL-N-18-04208-00001, Performance C         Rating 90, Calculated Negative DP Rating 90, STC 27, OITC 22         Grille: No Grille,         Wrapping Information: 8" Installation Clips, Branch Supplied, No Exterior Trim, 3 11/16", 5", Factory Applied, Pe         Length = 144".	lass AW, PG 90,		

### Rough Opening: 1149.350 X 717.550

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Line #	Location:	Attributes			
50	None Assigned	Lifestyle, Direct Set, Fixed Frame, 1625.6 X 698.50, Without HGP, Black	Item Price	Qty	Ext'd Price
		<b></b> ,,,,,,,,	\$765.01	1	\$765.01
Viewo	ed From Exterior	<ul> <li>1: 6427.5 Fixed Frame Direct Set Frame Size: 64 X 27 1/2 Unit Type: No Program General Information: No Package, Without Hinged Glass Panel, Interior Glazed, Standard, Clad, Pine, 5", 3 11/ Exterior Color / Finish: Standard Enduraclad, Black Interior Color / Finish: Primed Interior Glass: Insulated Dual Tempered Low-E Advanced Low-E Insulating Glass Argon Non High Altitude Performance Information: U-Factor 0.28, SHGC 0.32, VLT 0.62, CPD PEL-N-18-04208-00001, Performance C Rating 60, Calculated Negative DP Rating 60, STC 27, OITC 22 Grille: No Grille, Wrapping Information: 8" Installation Clips, Branch Supplied, No Exterior Trim, 3 11/16", 5", Factory Applied, Per Length = 183".</li> </ul>	Class AW, PG 60,		

## Rough Opening: 1644.650 X 717.550

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_ine #	Location:	Attributes			
55	None Assigned	Lifestyle, Direct Set, Fixed Frame, 1517.650 X 698.50, Without HGP, Black	Item Price	Qty	Ext'd Price
			\$738.49	2	\$1,476.98
<u>ا</u>	1.1	1: 59.7527.5 Fixed Frame Direct Set			
R.		Frame Size: 59 3/4 X 27 1/2			
-	59.75° PK	unit Type: No Program			
		General Information: No Package, Without Hinged Glass Panel, Interior Glazed, Standard, Clad, Pine, 5", 3 1	1/16"		
	21				
\ <i>I</i>	d Farme Federates	Interior Color / Finish: Primed Interior			
viewe	d From Exterior	Glass: Insulated Dual Tempered Low-E Advanced Low-E Insulating Glass Argon Non High Altitude			
		Performance Information: U-Factor 0.28, SHGC 0.32, VLT 0.62, CPD PEL-N-18-04208-00001, Performance Rating 90, Calculated Negative DP Rating 90, STC 27, OITC 22	Class AW, PG 90, 0	Calculated	Positive DP
		Grille: No Grille,			
		Wrapping Information: 8" Installation Clips, Branch Supplied, No Exterior Trim, 3 11/16", 5", Factory Applied, F Length = 175".	Pella Recommended	Clearanc	e, Perimeter

Rough Opening: 1536.70 X 717.550

## Thank You For Purchasing Pella® Products

## **PELLA WARRANTY:**

Pella products are covered by Pella's limited warranties in effect at the time of sale. All applicable product warranties are incorporated into and become a part of this contract. Please see the warranties for complete details, taking special note of the two important notice sections regarding installation of Pella products and proper management of moisture within the wall system. Neither Pella Corporation nor the Seller will be bound by any other warranty unless specifically set out in this contract. However, Pella Corporation will not be liable for branch warranties which create obligations in addition to or obligations which are inconsistent with Pella written warranties.

Clear opening (egress) information does not take into consideration the addition of a Rolscreen [or any other accessory] to the product. You should consult your local building code to ensure your Pella products meet local egress requirements.

Per the manufacturer's limited warranty, unfinished mahogany exterior windows and doors must be finished upon receipt prior to installing and refinished annually, thereafter. Variations in wood grain, color, texture or natural characteristics are not covered under the limited warranty.

INSYNCTIVE PRODUCTS: In addition, Pella Insynctive Products are covered by the Pella Insynctive Products Software License Agreement and Pella Insynctive Products Privacy Policy in effect at the time of sale, which can be found at Insynctive.pella.com. By installing or using Your Insynctive Products you are acknowledging the Insynctive Software Agreement and Privacy Policy are part of the terms of sale.

Notice of Collection of Personal Information: We may collect your personal information when you interact with us. Under the California Consumer Privacy Act (CCPA), California residents have specific rights to request this information, request to delete this information, and opt out of the sharing or sale of this information to third parties. To learn more about our collection practices and your rights under the CCPA please visit our link https://www.pella.com/california-rights-policy/ at pella.com.

## **ARBITRATION AND CLASS ACTION WAIVER ("ARBITRATION AGREEMENT")**

YOU and Pella and its subsidiaries and the Pella Branded Distributor AGREE TO ARBITRATE DISPUTES ARISING OUT OF OR RELATING TO YOUR PELLA PRODUCTS (INCLUDES PELLA GOODS AND PELLA SERVICES) AND WAIVE THE RIGHT TO HAVE A COURT OR JURY DECIDE DISPUTES. YOU WAIVE ALL RIGHTS TO PROCEED AS A MEMBER OR REPRESENTATIVE OF A CLASS ACTION, INCLUDING CLASS ARBITRATION, REGARDING DISPUTES ARISING OUT OF OR RELATING TO YOUR PELLA PRODUCTS. You may opt out of this Arbitration Agreement by providing notice to Pella no later than ninety (90) calendar days from the date You purchased or otherwise took ownership of Your Pella Goods. To opt out, You must send notice by e-mail to pellawebsupport@pella.com, with the subject line: "Arbitration Opt Out" or by calling (877) 473-5527. Opting out of the Arbitration Agreement will not affect the coverage provided by any applicable limited warranty pertaining to Your Pella Products. For complete information, including the full terms and conditions of this Arbitration Agreement, which are incorporated herein by reference, please visit www.pella.com/arbitration or e-mail to pellawebsupport@pella.com, with the subject line: "Arbitration Details" or call (877) 473-5527. D'ARBITRAGE ET RENONCIATION AU RECOURS COLLECTIF ("convention d'arbitrage") EN FRANÇAIS SEE PELLA.COM/ARBITRATION. DE ARBITRAJE Y RENUNCIA COLECTIVA ("acuerdo de arbitraje") EN ESPAÑOL VER PELLA.COM/ARBITRATION.

Seller shall not be held liable for failure or delay in the performance of its obligations under this Agreement, if such performance is hindered or delayed by the occurrence of an act or event beyond the Seller's reasonable control (force majeure event), including but not limited to earthquakes, unusually severe weather and other Acts of God, fire, strikes and labor unrest, epidemics, riots, war, civil unrest, and government interventions. Seller shall give timely notice of a force majeure event and take such reasonable action to mitigate the impacts of such an event.

## Product Performance Information:

U-Factor, Solar Heat Gain Coefficient (SHGC), and Visible Light Transmittance (VLT) are certified by the National Fenestration Rating Council (NFRC).

Manufacturer stipulates that these ratings conform to applicable NFRC procedures for determining whole product performance. NFRC ratings are determined for a fixed set of environmental conditions and a specific product size. NFRC does not recommend any products and does not warrant the suitability of any product for any specific use.

Design Pressure (DP), Performance Class, and Performance Grade (PG) are certified by a third party organization, in many cases the Window and Door Manufacturers Association (WDMA). The certification requires the performance of at least one product of the product line to be tested in accordance with the applicable performance standards and verified by an independent party. The certification indicates that the product(s) of the product line passed the applicable tests. The certification does not apply to mulled and/or product combinations unless noted. Actual product results will vary and change over the products life.

For more performance information along with information on Florida Product Approval System (FPAS) Number and Texas Dept. of Insurance (TDI) number go to www.pella.com/performance.

Including during the construction period, casement windows should never be left open and unlocked for prolong periods or during high wind conditions to avoid sash detachment/damage.

Actual sizes tested for documented STC and OITC ratings may vary from the ASTM E 1425 sizes to better represent Pella product offering.

STC and OITC ratings shown may be conservatively based on products tested with thinner panes of glass.

STC and OITC ratings may be from test results from an equivalent product.

## **SERVICE:** To receive service for your products, please visit www.pellasoutheast.com and fill out a Service Request form.

Sales tax is calculated at the time of delivery & subject to change dependent upon state/county changes.

### PRICES ARE VALID FOR 30 BUSINESS DAYS

#### **TERMS & CONDITIONS:**

These Terms & Conditions of Sale apply to and are part of the Contract. The terms "Customer" and "PWDT" throughout this Agreement shall refer to the Customer signing the Contract and to Pella Window and Door Company of Tennessee, Inc.

Article 1 - SELLER: The seller identified in this agreement is Pella Window and Door Company of Tennessee, Inc. DBA Pella Southeast, 2605 N. Berkeley Lake Road, Suite 400, Duluth GA, 30096 - (770) 962-0555.

Article 2 - ENTIRE AGREEMENT: This detailed contract, the detailed quote proposal attached hereto, and any attachments to the detailed quote proposal, and any change orders represents the entire agreement between parties. The parties agree there are no written or oral representations, promises, agreements, understanding or conditions (precedent or subsequent) which are not expressed herein. Written change orders will be considered a part of the agreement.

Article 3 – CUSTOM PRODUCTS: Because these windows are custom made for your project, the customer, cancellations and/or changes are not possible after this quote is signed by you. This agreement becomes a binding contract only upon review and acceptance by an authorized PWDT representative. The customer represents that they have reviewed the local building ordinances and that the material ordered complies with those ordinances. The customer also represents that they alone are liable for any discrepancies, errors, or omissions whether the product is for their own use or acting on behalf of an end user. The terms and conditions of this contract will be governed by the laws of the state of Tennessee.

Article 4 -DEFAULTS: If the Customer fails to pay pursuant to the terms of this Contract, the Customer agrees to pay all reasonable attorney's fees, expert witness fees, transcript costs, and other costs incurred by Pella to collect the debt. Customer also agrees that any dispute will be subject to binding arbitration with the state of Tennessee based on the location of the installation. Customer also agrees to pay late charges of 1.5% per month on any past due balances.

Article 5 – SHIPMENTS: All promises of shipments are estimated as closely as possible and our best efforts will be used in every case to ship within the time promised, but there is no guarantee to do so. Seller shall not be liable for any direct, indirect, or consequential damage or loss caused by delay in shipment. The customer also represents that they alone are liable for any discrepancies, errors, or omissions whether the product is for their own use or on behalf of an end user. The terms and conditions of this contract will be governed by the laws of the state of Tennessee.

Article 6 – PAYMENTS: Open account payments are due 30 days from invoice date. A 1.5% monthly service charge will be added to all past due accounts. If any account is placed with a third party for collection, I/we agree to pay all costs including attorney fees in the amount of not less than 25%.

Article 7 - Delivery and Confirmation: Customer provides delivery assistance to garage or other FIRST floor or ground level (NO Stairs, NO Ramps or Walkboards) covered storage area. To maintain accurate product delivery and shipping efficiencies, a delivery cancellation and/or reschedule within 72 business hours or less of scheduled delivery is subject to a surcharge of **\$300**.

# Article 8 - Delivery without the necessity of signature of customer at the job site: The Customer has duty to inspect the products and document any damage and/or missing product and report back to PWDT within 48 hours of delivery to conform to the contract.

Article 9 - Storage and Inventory: All materials will be ordered based on the need dates from the customer. Materials not delivered within 14 business days of the need date is subject to \$250 weekly inventory fee.

Article – 10 Authorization is given herewith for purchases and deliveries to be made without signature by officer, partner, principal, or owner. The terms and conditions of this agreement will be governed by the laws of the State of Tennessee.

Article – 11 Cedit Card Payments: IF PURCHASES ARE TO BE MADE USING A CREDIT CARD, A 4% TRANSACTION FEE WILL BE ADDED TO EACH CREDIT CARD PURCHASE!

Order Number: 337

**COVID-19:** The customer acknowledges that the receipt of any services or products provided by any employees, sub-contractors, or affiliates of PWDT carries with it certain inherent risks related to the spread and contraction of an infectious illness or disease, including Covid-19, that cannot be eliminated, regardless of the care taken to avoid injuries. By signing this contract, you agree to allow our team to complete the project in a timely manner and make payment per the terms stated in our contract

### PWDT is independently owned and operated member of the Pella Direct Sales Network

## AUTHORIZATION TO USE PHOTOGRAPHS AND/OR PROJECT DETAILS

I / We hereby authorize Pella Window and Door of TN, Inc (PWDT). and affiliates to use, reproduce, and/or publish photographs and/or video that may pertain to me and my project, including materials described below, without compensation. I / We understand that this material may be used in various communications (e.g., Website, e-newsletters, promotional materials, etc).

Consequently, PWDT may publish materials, photographs, and/or refer to the project in a manner that the PWDT or project sponsor deems appropriate.

Opt-in: Yes No

Initial: \_\_\_\_\_

IF INSTALLED SALES: Please see attached Terms and Conditions.

Please verify the age of the home: \_\_\_\_\_

Customer Signature: \_\_\_\_\_

IF PRE 1978, the dwelling will need to be tested for Lead Paint in accordance with the EPA's Lead RPR Rule.

## Project Checklist has been reviewed

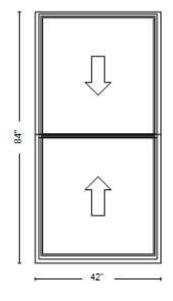
Customer Name	(Please print)	Pella Sales Rep Name	(Please print)
Customer Signature		Pella Sales Rep Signature	
Date		Date	

Order Totals	
Taxable Subtotal	\$14,350.81
Sales Tax @_9.25%	\$1,327.45
Non-taxable Subtotal	\$0.00
Total	\$15,678.26
Deposit Received	\$0.00
Amount Due	\$15,678.26

Credit Card Approval Signature

Signature:

Date:



Viewed from the Exterior

Quote Number: 18080575 Line Number: 10 Description: Lifestyle, Double Hung, 42 X 84, Without HGP, Black Rough Opening: 42.75" X 84.75"

Quote Qty: 1 Scaling: 1/2'' = 1'

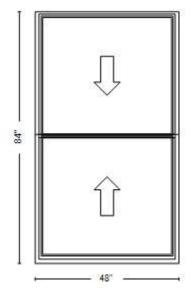
Performance Information: U-Factor 0.30, SHGC 0.30, VLT 0.57, CPD PEL-N-35-00514-00001, Performance Class LC, PG 25, Calculated Positive DP Rating 25, Calculated Negative DP Rating 25, STC 27, OITC 23, Clear Opening Width 38.812, Clear Opening Height 38.75, Clear Opening Area 10.4442, Egress Meets Typical 5.7 sqft (E) (United States Only)

These drawings are based on our interpretation of the information provided to us. They are submitted for final approval of the individual\*\* responsible for the project and are not intended to create any warranty or other liability. The user\*\* is responsible for compliance with applicable building codes or other regulations and determining the suitability of the suggestions for the particular application, including the final design of reinforcement, flashing, and sealant systems for all window and door installations. \*\* building owner, architect, contractor, installer and/or consumer

	Quote Name: TNT Building	Project Name: TNT Building
Pella	Jobsite Location: KNOXVILLE, TN	
®	Room Location: TYPE A	
	Sales Branch Location: 33700 Pella W & D of TN, I	Inc.

Signature:

Date:



Viewed from the Exterior

Quote Number: 18080575 Line Number: 15 Description: Lifestyle, Double

Quote Qty: 4

Scaling: 1/2" = 1'

Description: Lifestyle, Double Hung, 48 X 84, Without HGP, Black Rough Opening: 48.75" X 84.75"

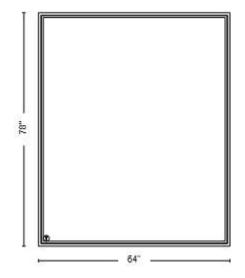
Performance Information: U-Factor 0.30, SHGC 0.30, VLT 0.56, CPD PEL-N-35-00517-00001, Performance Class LC, PG 25, Calculated Positive DP Rating 25, Calculated Negative DP Rating 25, STC 27, OITC 23, Clear Opening Width 44.812, Clear Opening Height 38.75, Clear Opening Area 12.05878, Egress Meets Typical 5.7 sqft (E) (United States Only)

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	Quote Name: TNT Building	Project Name: TNT Building
Pella	Jobsite Location: KNOXVILLE, TN	
®	Room Location: TYPE B	
	Sales Branch Location: 33700 Pella W & D of TN, I	Inc.

Signature:

Date:



Viewed from the Exterior

Quote Number: 18080575 Line Number: 20 Description: Lifestyle, Direct Set, Fixed Frame, 64 X 78, Without HGP, Black Rough Opening: 64.75" X 78.75"

Scaling: 1/2" = 1'

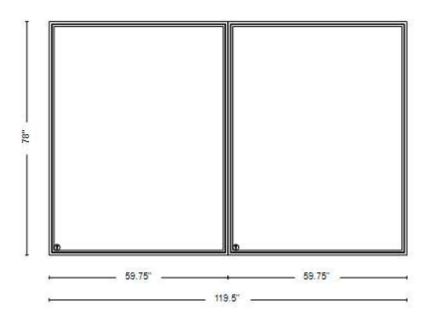
Performance Information: U-Factor 0.28, SHGC 0.31, VLT 0.59, CPD PEL-N-18-04248-00001, Performance Class AW, PG 60, Calculated Positive DP Rating 60, Calculated Negative DP Rating 60, STC 31, OITC 26

These drawings are based on our interpretation of the information provided to us. They are submitted for final approval of the individual\*\* responsible for the project and are not intended to create any warranty or other liability. The user\*\* is responsible for compliance with applicable building codes or other regulations and determining the suitability of the suggestions for the particular application, including the final design of reinforcement, flashing, and sealant systems for all window and door installations. \*\* building owner, architect, contractor, installer and/or consumer

	Quote Name: TNT Building	Project Name: TNT Building
Pella	Jobsite Location: KNOXVILLE, TN	
®	Room Location: TYPE C	
	Sales Branch Location: 33700 Pella W & D of TN,	Inc.

Signature:

Date:



Viewed from the Exterior

Quote Number: 18080575 Line Number: 25

Quote Qty: 1

Scaling: 1/2" = 1'

Description: Lifestyle, Direct Set, Lifestyle, Direct Set, 119.5 X 78, Without HGP, Black Rough Opening: 120.25" X 78.75"

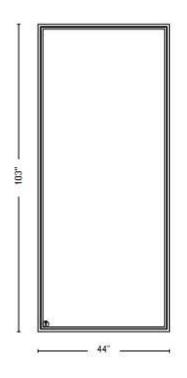
Performance Information: U-Factor 0.27, SHGC 0.32, VLT 0.60, CPD PEL-N-18-04240-00001, Performance Class AW, PG 60, Calculated Positive DP Rating 60, Calculated Negative DP Rating 60, STC 28, OITC 24 Performance Information: U-Factor 0.27, SHGC 0.32, VLT 0.60, CPD PEL-N-18-04240-00001, Performance Class AW, PG 60, Calculated Positive DP Rating 60, Calculated Negative DP Rating 60, STC 28, OITC 24

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	Quote Name: TNT Building	Project Name: TNT Building
Pella	Jobsite Location: KNOXVILLE, TN	
®	Room Location: TYPE D	
	Sales Branch Location: 33700 Pella W & D of TN, I	Inc.

Signature:

Date:



Viewed from the Exterior

Quote Number: 18080575 Line Number: 30

Quote Qty: 1

Scaling: 1/2" = 1'

Description: Lifestyle, Direct Set, Fixed Frame, 44 X 103, Without HGP, Black Rough Opening: 44.75" X 103.75"

Performance Information: U-Factor 0.27, SHGC 0.32, VLT 0.60, CPD PEL-N-18-04240-00001, Performance Class AW, PG 60, Calculated Positive DP Rating 60, Calculated Negative DP Rating 60, STC 28, OITC 24

These drawings are based on our interpretation of the information provided to us. They are submitted for final approval of the individual\*\* responsible for the project and are not intended to create any warranty or other liability. The user\*\* is responsible for compliance with applicable building codes or other regulations and determining the suitability of the suggestions for the particular application, including the final design of reinforcement, flashing, and sealant systems for all window and door installations. \*\* building owner, architect, contractor, installer and/or consumer

	Quote Name: TNT Building	Project Name: TNT Building	
Pella Jobsite Location: KNOXVILLE, TN			
®	Room Location: TYPE E		
	Sales Branch Location: 33700 Pella W & D of TN,	Inc.	

Signature:

Date:

Viewed from the Exterior

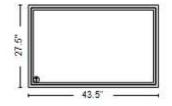
Quote Number: 18080575Quote Qty: 5Scaling: 1/2" = 1'Line Number: 35Quote Qty: 5Scaling: 1/2" = 1'Description: 2 1/2" Frame Expander, Length: 144, BlackRough Opening:

These drawings are based on our interpretation of the information provided to us. They are submitted for final approval of the individual<sup>\*\*</sup> responsible for the project and are not intended to create any warranty or other liability. The user<sup>\*\*</sup> is responsible for compliance with applicable building codes or other regulations and determining the suitability of the suggestions for the particular application, including the final design of reinforcement, flashing, and sealant systems for all window and door installations. <sup>\*\*</sup> building owner, architect, contractor, installer and/or consumer

	Quote Name: TNT Building	Project Name: TNT Building	
Pella	Pella Jobsite Location: KNOXVILLE, TN		
®	Room Location: None Assigned		
	Sales Branch Location: 33700 Pella W & D of TN,	Inc.	

Signature:

Date:



Viewed from the Exterior

Quote Number: 18080575 Line Number: 40 Quote Qty: 1 Description: Lifestyle, Direct Set, Fixed Frame, 43.5 X 27.5, Without HGP, Black

Scaling: 1/2'' = 1'

Rough Opening: 44.25" X 28.25"

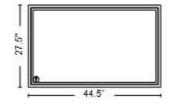
Performance Information: U-Factor 0.28, SHGC 0.32, VLT 0.62, CPD PEL-N-18-04208-00001, Performance Class AW, PG 90, Calculated Positive DP Rating 90, Calculated Negative DP Rating 90, STC 27, OITC 22

These drawings are based on our interpretation of the information provided to us. They are submitted for final approval of the individual\*\* responsible for the project and are not intended to create any warranty or other liability. The user\*\* is responsible for compliance with applicable building codes or other regulations and determining the suitability of the suggestions for the particular application, including the final design of reinforcement, flashing, and sealant systems for all window and door installations. \*\* building owner, architect, contractor, installer and/or consumer

	Quote Name: TNT Building	Project Name: TNT Building
Pella	Jobsite Location: KNOXVILLE, TN	
®	Room Location: None Assigned	
	Sales Branch Location: 33700 Pella W & D of TN,	Inc.

Signature:

Date:



Viewed from the Exterior

1

Quote Number: 18080575 Line Number: 45 Quote Qty: Description: Lifestyle, Direct Set, Fixed Frame, 44.5 X 27.5, Without HGP, Black

Scaling: 1/2'' = 1'

Rough Opening: 45.25" X 28.25" Performance Information: U-Factor 0.28, SHGC 0.32, VLT 0.62, CPD PEL-N-18-04208-00001, Performance Class

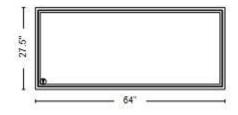
AW, PG 90, Calculated Positive DP Rating 90, Calculated Negative DP Rating 90, STC 27, OITC 22

These drawings are based on our interpretation of the information provided to us. They are submitted for final approval of the individual\*\* responsible for the project and are not intended to create any warranty or other liability. The user\*\* is responsible for compliance with applicable building codes or other regulations and determining the suitability of the suggestions for the particular application, including the final design of reinforcement, flashing, and sealant systems for all window and door installations. \*\* building owner, architect, contractor, installer and/or consumer

	Quote Name: TNT Building	Project Name: TNT Building
Pella	Jobsite Location: KNOXVILLE, TN	
®	Room Location: None Assigned	
	Sales Branch Location: 33700 Pella W & D of TN,	Inc.

Signature:

Date:



Viewed from the Exterior

Quote Number: 18080575Line Number: 50Quote Qty: 1Description: Lifestyle, Direct Set, Fixed Frame, 64 X 27.5, Without HGP, BlackRough Opening: 64.75" X 28.25"

Scaling: 1/2" = 1'

Performance Information: U-Factor 0.28, SHGC 0.32, VLT 0.62, CPD PEL-N-18-04208-00001, Performance Class AW, PG 60, Calculated Positive DP Rating 60, Calculated Negative DP Rating 60, STC 27, OITC 22

These drawings are based on our interpretation of the information provided to us. They are submitted for final approval of the individual\*\* responsible for the project and are not intended to create any warranty or other liability. The user\*\* is responsible for compliance with applicable building codes or other regulations and determining the suitability of the suggestions for the particular application, including the final design of reinforcement, flashing, and sealant systems for all window and door installations. \*\* building owner, architect, contractor, installer and/or consumer

	Quote Name: TNT Building	Project Name: TNT Building		
Pella	Pella Jobsite Location: KNOXVILLE, TN			
®	Room Location: None Assigned			
	Sales Branch Location: 33700 Pella W & D of TN,	Inc.		

Signature:

Date:



Viewed from the Exterior

Quote Number: 18080575Line Number: 55Quote Qty:Description: Lifestyle, Direct Set, Fixed Frame, 59.75 X 27.5, Without HGP, BlackRough Opening: 60.5" X 28.25"

Scaling: 1/2" = 1'

Performance Information: U-Factor 0.28, SHGC 0.32, VLT 0.62, CPD PEL-N-18-04208-00001, Performance Class AW, PG 90, Calculated Positive DP Rating 90, Calculated Negative DP Rating 90, STC 27, OITC 22

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	Quote Name: TNT Building	Project Name: TNT Building	
Pella	<b>Pella</b> Jobsite Location: KNOXVILLE, TN		
®	Room Location: None Assigned		
	Sales Branch Location: 33700 Pella W & D of TN,	Inc.	

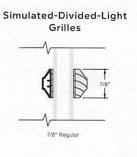


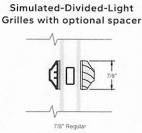
## Lifestyle Series Double-Hung

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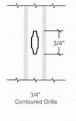
Grilles

#### **Grille Profiles**



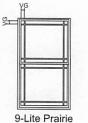


Grilles-Between-the-Glass



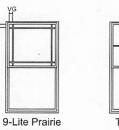
### **Grille Patterns**

### Grilles-Between-the-Glass and Simulated-Divided-Light Grilles



Top Sash Only

0





Top Row

9-Lite Prairie - Standard corner lite dimension for Prairie patterns = 2-1/2" VG. Available in transoms ≥ 1'3" height and width.

Cross

Cross - Minimum DH frame height 35". - Horizontal bar will be at 1/2" of the VG height of the top sash.

Top Row

Minimum DH frame height 35".
Horizontal bar will be at 1/2" of the VG height of the top sash.

For traditional patterns, see size tables.

VG = Visible Glass

(1) Grilles are available in traditional patterns only.

Lite dimensions noted can vary.

For size and pattern availability contact your local Pella sales representative.



## Lifestyle Series Double-Hung

Special Sizes and Dimensions

### Special Size Frame Dimensions\*

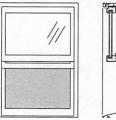
	Minimum	Maximum
Vent	1' 9" W x 2' 11" H (21" x 35") (533 x 889)	4' 0" W x 7' 0" H (48" x 84") (1 219 x 2 134)
Fixed	1' 9" W x 1' 2" H (21" x 14") (533 x 356)	4' 11" W x 6' 1" H (59" x 73") (1 499 x 1 854)

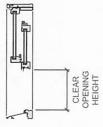


## Miscellaneous Formulas (Equal Sash Only)

	Vent Units				
Visible Glass	Width = Frame – 5" Height <sub>1</sub> = (Frame – 6.3125") ÷ 2				
Actual Glass	Width = Frame – 4" Height <sub>1</sub> = (Frame – 4.3125") ÷ 2				
Clear Opening Height:	(Frame Height ÷ 2) - 3.25"				
Clear Opening Width:	Frame Width - 3.1875"				







Shaded portion shows vent area.

## Miscellaneous Formulas (Fixed Units Only)

	Fixed and transom units
Visible Glass	Width = Frame – 4.9375" Height = Frame – 4.9375"
Actual Glass	Width = Frame – 4" Height = Frame – 4"

\* Available within size range shown. Keep frame dimensions to the nearest 1/4" increment. Frame height cannot exceed frame width on special size dual-pane vent units. (1) Per Sash.

To convert areas to square meters (m<sup>2</sup>), multiply square feet by 0.0929.



## Glazing Performance - Total Unit

g sss			Glass (mm)			Performance Values <sub>1</sub>			ded Are						
Glazing Thickness	Type of Glazing	NFRC Certified Product #	Ext.	Int.	- Gap Fill	U-Factor	SHGC	VLT	ся		U. S.				nada 2
			Card and				s		2.0.2		Zo	ne		ER	Zone
Dual-I	Pane Vent		Can an							N	NC	SC	S		CA
11/16"	Advanced LowE IG	PEL-N-35-00514-00001	2.5	2.5	argon	0.30	0.30	0.56	56						
	with grilles-between-the-glass	PEL-N-35-00515-00001				0.30	0.27	0.50	56					-	-
	with Simulated Divided Light	PEL-N-35-00516-00001			2	0.30	0.27	0.50	56					-	
11/16"	Advanced LowE IG	PEL-N-35-00517-00001	3	3	argon	0.30	0.30	0.56	55	10					
	with grilles-between-the-glass	PEL-N-35-00518-00001				0.30	0.27	0.50	55						
	with Simulated Divided Light	PEL-N-35-00519-00001				0.30	0.27	0.50	55						
11/16"	SunDefense™ Low-E IG	PEL-N-35-00550-00001	2.5	2.5	argon	0.29	0.22	0.52	56				S		
	with grilles-between-the-glass	PEL-N-35-00551-00001				0.29	0.20	0.47	56				S	-	
	with Simulated Divided Light	PEL-N-35-00552-00001				0.29	0.20	0.47	56				S		
11/16"	SunDefense Low-E IG	PEL-N-35-00553-00001	3	3	argon	0.29	0.22	0.52	55				S		
	with grilles-between-the-glass	PEL-N-35-00554-00001		1.0	1996	0.29	0.20	0.46	55		- 54		S		
	with Simulated Divided Light	PEL-N-35-00555-00001	1.1			0.29	0.20	0.46	55				S		
11/16"	SunDefense+ Low-E IG	PEL-N-35-00568-00001	2.5	2.5	argon	0.25	0.22	0.51	45		NC	SC	S		
	with grilles-between-the-glass	PEL-N-35-00569-00001			1	0.25	0.20	0.46	45		NC	SC	S		
	with Simulated Divided Light	PEL-N-35-00570-00001	1.00	1	18.24	0.25	0.20	0.46	45		NC	SC	S	1	
11/16"	SunDefense+ Low-E IG	PEL-N-35-00571-00001	3	3	argon	0.25	0.22	0.51	44		NC	SC	S		
	with grilles-between-the-glass	PEL-N-35-00572-00001			1.1	0.25	0.20	0.45	44		NC	SC	5		
	with Simulated Divided Light	PEL-N-35-00573-00001				0.25	0.20	0.45	44		NC	SC	S		
11/16"	AdvancedComfort Low-E IG	PEL-N-35-00532-00001	2.5	2.5	argon	0.26	0.29	0.55	45	1					
	with grilles-between-the-glass	PEL-N-35-00533-00001				0.26	0.27	0.49	45	8 12			1.5	10	
	with Simulated Divided Light	PEL-N-35-00534-00001				0.26	0.27	0.49	45	1					
1/16"	AdvancedComfort Low-E IG	PEL-N-35-00535-00001	3	3	argon	0.26	0.29	0.55	44		1				
	with grilles-between-the-glass	PEL-N-35-00536-00001		199	1	0.26	0.26	0.49	44						
	with Simulated Divided Light	PEL-N-35-00537-00001	1.1.1.2		S.	0.26	0.26	0.49	44		20	1	1		
1/16"	NaturalSun LowE IG	PEL-N-35-00478-00001	2.5	2.5	argon	0.30	0.56	0.64	55				2013	34	CA
	with grilles-between-the-glass	PEL-N-35-00479-00001				0.30	0.50	0.57	55						1.3.1
	with Simulated Divided Light	PEL-N-35-00480-00001	1	1.1	1.1	0.30	0.50	0.57	55						
1/16"	NaturalSun LowE IG	PEL-N-35-00481-00001	3	3	argon	0.30	0.55	0.63	54				2.5	34	CA
	with grilles-between-the-glass	PEL-N-35-00482-00001				0.30	0.49	0.57	54	1.18	1996				
_	with Simulated Divided Light	PEL-N-35-00483-00001		1.53		0.30	0.49	0.57	54						
1/16"	NaturalSun+ LowE IG	PEL-N-35-00496-00001	2.5	2.5	argon	0.26	0.51	0.63	44	N			26.3	35	CA
	with grilles-between-the-glass	PEL-N-35-00497-00001				0.26	0.46	0.56	44	N					
1.15	with Simulated Divided Light	PEL-N-35-00498-00001		14		0.26	0.46	0.56	44	N			200	1	
1/16"	NaturalSun+ LowE IG	PEL-N-35-00499-00001	3	3	argon	0.26	0.50	0.62	43	N				35	CA
	with grilles-between-the-glass	PEL-N-35-00500-00001				0.26	0.45	0.55	43	N					
	with Simulated Divided Light	PEL-N-35-00501-00001				0.26	0.45	0.55	43	N					

R-Value = 1/U-Factor SHGC = Solar Heat Gain Coefficient VLT % = Visible Light Transmission CR = Condensation Resistance ER = Canadian Energy Rating Climate Zones

(1) Glazing performance values are calculated based on NFRC 100, NFRC 200 and NFRC 500. ENERGY STAR® values are updated to 2023 (version 7) criteria.

(2) The values shown are based on Canada's updated ENERGY STAR® 2020 initiative.

Visit www.energystar.gov for Energy Star guidelines.



## Lifestyle Series Double-Hung

### Features and Options

Standard	Options / Upgrades
Glazing	
Glazing Type	
Dual-Pane Insulating Glass	
Insulated Glass Options/Low-E Types	
m	SunDefense™ Low-E
Adversed Law E	SunDefense+ Low-E
Advanced Low-E	AdvancedComfort Low-E
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	NaturalSun Low-E
	NaturalSun+ Low-E
Additional Glass Options	
m r l m	STC Glazing Options
Annealed Glass	Tempered Glass
	Obscure Glass 1
Gas Fill High Altitude	
Argon	High altitude (Air-filled only)
Exterior	
EnduraClad® protective finish	- 0.100
Cladding Colors	BLACK
12 Standard colors 1	
Interior,	
	Factory primed
Unfinished wood	Factory prefinished paint
	Factory prefinished stain
Wood Types	
Pine	
Hardware	
Fintebes	
Champagne, Matte Black, White or Brown	Oil Rubbed Bronze, Satin Nickel
Sash Locks/Sash Lifts	
Cam-action lock	Sash lifts2
Tilt-Wash Cleaning	
Tilt to interior on both sashes	
Grilles	
Grilles-Between-therGlass	
- NoGuils	Traditional, Prairie, Top Row, Cross, Custom - Equally Divided
Simulated Divided Light with Optional S	
	Traditional, Prairie, Top Row, Cross, Custom - Equally Divided
Screens	, springless, erren inden) priced
and the second	Full-Size InView™ screens, Hidden Screen

(-) = Not Available

(1) Contact your local Pella sales representative for current color options.
(2) Sold separately for Pella® Lifestyle Series double-hung windows.
(3) Available with Low-E argon-insulated glass only.



### **Detailed Product Description**

#### Frame

- Select softwood, immersion treated with Pella's EnduraGuard® wood protection formula in accordance with WDMA I.S.-4. The EnduraGuard formula includes three active ingredients for protection against the effects of moisture, decay, stains from mold and mildew. Plus, an additional ingredient adds protection against termite damage. Interior exposed surfaces are clear pine.
- Exterior surfaces are clad with aluminum.
- Components are assembled with screws, staples and concealed corner locks.
- Overall frame depth is 5" (127 mm) for a wall depth of 3-11/16" (94mm).
- Jamb liner shall be high-impact polyvinyl chloride backed by continuous hardtempered aluminum springs.
- Optional factory applied jamb extensions are available.
- Optional factory installed fold-out installation fins with flexible fin corners.
   Optional factory-applied EnduraClad® exterior trim.
- Optional factory-installed Pella Steady Set Installation System.

#### Sash

- · Select softwood, immersion treated with Pella's EnduraGuard® wood protection formula in accordance with WDMA I.S.-4. The EnduraGuard formula includes three active ingredients for protection against the effects of moisture, decay, stains from mold and mildew. Plus, an additional ingredient adds protection against termite damage.
- Interior exposed surfaces are clear pine.
- · Exterior surfaces are clad with aluminum, lap-jointed and sealed.
- Corners mortised and tenoned, glued and secured with metal fasteners.
- Sash thickness is 1-5/8" (41 mm). Sashes tilt for easy cleaning.
- Weatherstripping

- · Foam with 3 mm skin at head and bottom rail. Thermal-plastic elastomer bulb with slip-coating set into upper sash for tight contact at check rail.
- Secondary polyvinyl chloride leaf-type weatherstrip on bottom sash at sill.
- · Jamb liner to seal against sides of sash.

#### **Glazing System**

- Quality float glass complying with ASTM C 1036.
- High altitude glazing available.
- Silicone groove-glazed 11/16" [obscure] dual-seal insulating glass [[annealed] [tempered]] [[Advanced] [SunDefense™] [SunDefense+] [AdvancedComfort] [NaturalSun] [NaturalSun+] Low-E [with argon]].

#### Exterior

- Exterior aluminum surfaces are finished with EnduraClad® protective finish, in a multi-step, baked-on finish.
- Color is [White] [Tan] [Putty] [Brown] [Poplar White] [Portobello] [Hartford Green] [Morning Sky Gray] [Brick Red] [Black].

#### Interior

[Unfinished, ready for site finishing] [factory primed with one coat acrylic latex] [factory prefinished [White] [Linen] [Bright White] [stain1]].

#### Hardware

- Galvanized block-and-tackle balances are connected to sash with a polyester cord and concealed within the frame
- Factory installed self-aligning surface-mounted sash lock. Two sash locks on units with frame width 33-1/4" and greater.
- Optional Sash lift furnished for field installation. Two lifts on units with frame width 33-1/4" and greater.
- Finish is [baked enamel [Champagne] [White] [Brown] [Matte Black]] [Satin Brass] [Satin Nickel].
- Champagne locks are standard on unfinished units; White locks are standard on factory prefinished white units.

#### **Optional Products**

- Grilles
- Simulated-Divided-Light [with optional spacer]
  - 7/8" Grilles permanently bonded to the interior and exterior of glass.
  - Patterns are [Traditional] [Prairie] [Cross] [Top Row] [Custom Equally Divided]. Interior surfaces are [unfinished, ready for site finishing] [factory primed] [pine:
  - factory prefinished [White] [Linen White] [Bright White] [stain1]]. Exterior grilles to match the exterior cladding color. Available only on units glazed with Low-E insulated glass with argon.
- Grilles-Between-the-Glass<sub>2</sub>
- or - Insulating glass contains 3/4" contoured aluminum grilles permanently installed between two panes of glass.
  - Patterns are [Traditional] [9-Lite Prairie] [Top Row] [Custom Equally Divided]. Interior color is [White] [Ivory] [Tan<sub>3</sub>] [Brickstone] [Black] [Putty<sub>3</sub>] [Brown<sub>3</sub>] [Harvest] [Cordovan].
  - Exterior color [matched to the exterior cladding color] [White]4.

#### Screens

- InView<sup>™</sup> screens
  - Full-size Vinyl-coated 18/18 mesh fiberglass screen cloth complying with the performance requirements of SMA 1201, set in aluminum frame fitted to outside of window, supplied complete with all necessary hardware.
  - Screen frame finish is baked enamel, color to match window cladding.
- Hidden screens
  - Vinyl-coated 18/18 mesh fiberglass screen cloth, set in aluminum channels hidden within the sash, supplied complete with all necessary hardware.
- Finish color [White] [Black] [Brown] [Fossil] [Iron Ore].

#### Hardware

- Optional factory applied limited opening device available for vent units in steel, nominal 3-3/4" opening.
- · Optional window opening control device available for field installation. Device allows window to open less than 4" with normal operation, with a release mechanism that allows the sash to open completely. Complies with ASTM F2090-10.

#### Sensors

Optional factory installed integrated security sensors available in vent units.

(1) Contact your local Pella sales representative for current designs and color options.

- (2) Available on units glazed with Low-E insulated glass with argon, and obscure insulated glass.
- (3) Tan, brown and putty Interior GBG colors are available only with matching interior and exterior colors.

(5) Not compatible with Limited Opening Hardware.

<sup>(4)</sup> Appearance of exterior grille color will vary depending on Low-E coating on glass.



## Lifestyle Series Double-Hung

### Size and Performance Data

	Dual-Pane		
Sizes			
Standard double-hung vent/fixed sizes	•		
Transom sizes	•		
Egress sizes	•		
Special sizes available	•		
Performance <sub>1</sub>	· · · · · · · · · · · · · · · · · · ·		
Meets or Exceeds AAMA/WDMA Ratings	H-LC25-LC50 Hallmark Certified		
Air Infiltration (cfm/ft² of frame @ 1.57 psf wind pressure)₂	0.11		
Water Resistance	7.5 psf		
Design Pressure	25-50 psf		
Other Performance Criteria			
Forced Entry Resistance Level (Minimum Security Grade) 3	10		
Operating Force (Ib) Initiate Motion / Maintain Motion (of Hallmark tested size and glazing) 4	40/40		

#### Sound Transmission Class / Outdoor-Indoor Transmission Class

Product	Frame Size Frame Size Frame Size	Glazing System					
		Overall Glazing Thickness	Exterior Glass Thickness	Interior Glass Thickness	Third Pane Thickness (HGP)	STC Rating	OITC Rating
Pella Lifestyle Series	37" x 59"	11/16"	2.5mm	2.5mm		27	23
Double-Hung	37" x 59"	11/16"	5mm	3mm		31	27

<sup>(-) =</sup> Not Available

<sup>(1)</sup> Maximum performance for single unit when glazed with the appropriate glass thickness. See Design Data pages in this section for specific product performance class and grade values. (2) Published performance data for air infiltration is determined by testing a minimum of four (4) products of NFRC model size. Testing is conducted in accordance with ASTM E283. Air infiltration ratings for products will differ by size. The performance data does not apply to combination assemblies unless noted. Actual product performance may vary for a number of reasons including installation and product care.

<sup>(3)</sup> The higher the level, the greater the product's ability to resist forced entry.

<sup>(4)</sup> Glazing configurations may result in higher operational forces.

<sup>(5)</sup> ASTM E 1425 defines standard sizes for acoustical testing. Ratings achieved at that size are representative of all sizes of the same configuration.