



CITY OF ST. PETERSBURG, FLORIDA
PLANNING AND DEVELOPMENT SERVICES DEPARTMENT
URBAN PLANNING AND HISTORIC PRESERVATION DIVISION

STAFF REPORT

Community Planning and Preservation Commission Certificate of Appropriateness Request

Report to the Community Planning and Preservation Commission from the Urban Planning and Historic Preservation Division, Planning and Development Services Department, for Public Hearing and Executive

Action **rescheduled to Tuesday, June 9, 2020 at 2:00 p.m.**, by means of communications media technology pursuant to Executive Order 20-69 issued by the Governor on March 20, 2020, and Executive Order 2020-12 issued by the Mayor on April 9, 2020. Everyone is encouraged to view the meetings on TV or online at www.stpete.org/meetings.

According to Planning and Development Services Department records, no member of the Community Planning and Preservation Commission resides or has a place of business within 2,000 feet of the subject property. All other possible conflicts should be declared upon the announcement of the item.



AGENDA ITEM:

CITY FILE NO.: 20-90200019

REQUEST:

Review of a Certificate of Appropriateness for replacement of historic windows at 2855 6th Ave N., a contributing resource to the Kenwood Section – Northwest Kenwood Local Historic District (18-90300008)

OWNER:

Nancy Ricketts

AGENT:

Antwaun Wells, Habitat for Humanity

PARCEL ID NO.: 14-31-16-46332-007-0110
LEGAL DESCRIPTION: KENWOOD SUB BLK 7, LOT 11
ZONING: NT-2

Historic Significance

The Tudor Revival-style house at 2855 6th Ave N. was constructed circa 1936. The property is listed as contributing to the Kenwood Section – Northwest Kenwood Local Historic District and is contributing to the Kenwood National Register Historic District. The house’s main form is a one-story, side-gabled rectangle with a one-story front-gabled front porch and a one-story projecting entryway. Because of its location within the Northwest Kenwood Local Historic District, a Certificate of Appropriateness (COA) is required for exterior alterations. Per the City’s COA Matrix, window replacements that involve a change in materials require review by the Community Planning and Preservation Commission (CPPC).

Project Description and Review

Project Description and Background

The application (Appendix A) proposes replacement of 16 windows, including original wood-frame, double-hung sash windows in a variety of configurations, most commonly six-over-one. The applicant proposes to install PGT vinyl windows that are one-over-one.

General Criteria for Granting Certificates of Appropriateness and Staff Findings

- 1. The effect of the proposed work on the landmark or the property upon which such work is to be done.*

Inconsistent The proposal will not substantially affect the integrity of the Northwest Kenwood Local Historic District. However, it will slightly diminish the subject property’s integrity of materials and workmanship.
- 2. The relationship between such work and other structures on the landmark site or other property in the historic district.*

Inconsistent The subject property is a contributing resource to the Northwest Kenwood Local Historic District, and its windows are a character-defining feature. Preservation of the windows’ size, distribution, profile, and configuration is a necessary aspect of the district’s retained historic integrity. One-over-one windows are inconsistent with traditional window styles in the Northwest Kenwood Local Historic District.
- 3. The extent to which the historic, architectural, or archaeological significance, architectural style, design, arrangement, texture and materials of the local landmark or the property will be affected.*

Inconsistent The application will result in the removal of historic wood windows. The applicant has not provided a window condition assessment or a repair estimate, but photographs of the extant windows do show that they have various levels of deterioration.

The application does not include details such as window design and arrangement, but the applicant has stated that he has already ordered many

one-over-one windows. One-over-one windows do not match the house's original six-over-one or eight-over-one configuration.

4. *Whether the denial of a Certificate of Appropriateness would deprive the property owner of reasonable beneficial use of his or her property.*

Consistent There is no indication that denial of a COA would substantially adversely affect the property owner's use of the subject property.

5. *Whether the plans may be reasonably carried out by the applicant.*

Consistent There is no indication that the applicant cannot carry out the proposal.

6. *A COA for a noncontributing structure in a historic district shall be reviewed to determine whether the proposed work would negatively impact a contributing structure or the historic integrity of the district. Approval of a COA shall include any conditions necessary to mitigate or eliminate negative impacts.*

Not applicable The subject property is a contributing property to the Northwest Kenwood Local Historic District (17-90300003).

Additional Guidelines for Alterations

1. *A local landmark should be used for its historic purpose or be placed in a new use that requires minimal change to the defining characteristics of the building and its site and environment.*

Consistent The subject property is, and will continue to be, a single-family residence.

2. *The distinguishing historic qualities or character of a building, structure, or site and its environment shall be preserved. The removal or alteration of any historic material or distinctive architectural features shall be avoided when reasonable.*

Absent in the application The applicant has not supplied a window repair estimate or condition assessment of the historic windows. The photographs, supplied by the applicant, do show that the windows are in need of repair.

3. *Each property shall be recognized as a physical record of its time, place, and use. Changes that create a false sense of historical development, such as adding conjectural features or architectural elements from other buildings without sufficient documentary evidence, shall not be undertaken.*

Not applicable The proposed project appears to affect only original materials, not later alterations.

4. *Most properties change over time; those changes that have acquired historic significance in their own right shall be retained and preserved, as appropriate.*

Not applicable

5. *Distinctive features, finishes, and construction techniques or examples of craftsmanship that characterize a property shall be preserved.*

Inconsistent The subject property's historic windows are a character-defining feature.

- 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, texture, and other visual qualities and, where reasonable, materials. Replacement of missing features shall be substantiated by documentary, physical, or pictorial evidence.*

Inconsistent As stated above, the applicant has not supplied a window repair estimate or a conditions assessment.

The applicant is proposing to install new windows that are the same size of the extant windows, but the proposed windows will not have the same design and visual qualities as the old features. The applicant is asking for one-over-one windows instead of six-over-one and eight-over-one to match the configuration of the historic windows.

- Chemical or physical treatments, such as sandblasting, that cause damage to historic materials shall not be used. The surface cleaning of structures, if appropriate, shall be undertaken using the gentlest means possible.*

Consistent No harsh treatments have been proposed or observed.

- Significant archaeological resources affected by a project shall be protected and preserved if designated pursuant to this section. If such resources must be disturbed, mitigation measures shall be undertaken.*

Consistent The proposed project will not be ground-disturbing.

Additional Guidelines for Window Replacement

The City's historic preservation office, State of Florida Division of Historic Resources, and U.S. Department of Interior Technical Preservation Services can provide additional information relating to window repair and replacement for individual landmark buildings and properties within local historic districts. While preservation and repair of historic windows is often preferable, property owners may replace windows provided that each replacement window meets the following criteria:

- Impact resistance. The replacement window and glass shall be impact resistant;*

Consistent Windows will be impact resistant, per information provided with the application (Appendix A) and manufacturer's information (Appendix B).

- Energy performance. The replacement window shall be Energy Star qualified for southern climate zones;*

Consistent

- Depth in wall. The replacement window shall be setback into the wall the same distance as the historic window;*

Absent in the application This criterion is not specified in the application. Staff has given these criteria to the applicant and explained that staff will recommend that the windows be recessed to match the existing window depth, approximately three inches. That did not appear to be an issue.

4. *Frame size, shape and exterior trim. The replacement window shall be the same size and shape as the historic window and opening. Historic openings shall not be altered in size. Existing, exterior trim shall be retained, where practicable;*

Consistent The sizes of the replacement windows are proposed to match existing openings.

5. *Configuration. The replacement window shall have the same light configuration as the historic window. If the historic window configuration cannot be determined, the replacement window configuration shall be appropriate to the architectural style of the subject building;*

Inconsistent One-over-one sash windows are not consistent with the historically significant windows observed at the property. Staff has asked the applicant to contact Jeld-Wen about purchasing three-dimensional grilles that can be applied or affixed to the windows that were already ordered to match the historic configuration.

6. *Proportions. The replacement window shall have the same visual qualities of the historic window, where commercially reasonable:*

- a. *Muntins and mullions. Where provided, muntins and mullions shall have the same dimensions and profile of the historic muntins and mullions.*
- b. *Stiles. For hung windows, stiles shall align vertically and be the same width at the upper and lower sashes.*
- c. *Top, meeting and bottom rails, and blind stop. The top, meeting and bottom rails of a hung window, including the corresponding blind stop, shall have the same dimensions and profile of the historic window.*

Inconsistent As stated above, the application proposes the installation of one-over-one windows instead of six-over-one or eight-over-one windows to match the visual qualities of the historic windows. The applicant has already ordered many of the replacement windows without any external, three-dimensional muntins. Staff has encouraged the applicant to contact Jeld-Wen about ordering three-dimensional grilles that can be applied to the windows.

7. *Finish. The finished surface and appearance shall match the historic window, where practicable.*

Inconsistent Window frames will be vinyl.

Summary of Findings

Staff evaluation yields a finding of the following criteria being met by the proposed project:

- General Criteria for Granting Certificates of Appropriateness: 2 of 5 relevant criteria met.
- Additional Guidelines for Alterations: 3 of 6 relevant criteria met or generally satisfied.
- Additional Guidelines for Window Replacement: 3 of 7 criteria satisfied by application as submitted.

Even though the proposed application has many inconsistencies with the criteria, many of these inconsistencies can be resolved by the introduction of three-dimensional muntins to replicate the historic windows and an agreement to install the new windows with setback to feature a three-inch reveal.

Staff Recommendation and Conditions of Approval

Even though the proposed application has many inconsistencies with Chapter 16, City Code of Ordinances, staff finds that these inconsistencies can be rectified by certain conditions tied to the approval. Staff therefore recommends that the Community Planning and Preservation Commission **approve with conditions** the Certificate of Appropriateness request for the alteration of the property at 2855 6th Ave. N., subject to the following:

1. Replacement windows will be fitted with contoured, three-dimensional external muntins (also known as grilles and grids) that match the extant, historic windows.
2. Windows will be installed to be setback within the wall plane and feature a reveal to match existing window depth, approximately three inches.
3. Wooden exterior casing and trim will be reinstalled in kind, and closely replicated where the historic material cannot be salvaged or reinstalled.
4. All other necessary permits shall be obtained. Any additional work shall be presented to staff for determination of the necessity of additional COA approval.
5. This approval will be valid for 24 months beginning on the date of revocation of the local Emergency Declaration.

Appendix A:

Application No. 20-90200019 and Submittals

3/12

20-90200019

A



CERTIFICATE OF APPROPRIATENESS

APPLICATION

All applications are to be filled out completely and correctly. The application shall be submitted to the City of St. Petersburg's Planning and Development Services Department, located on the 8th floor of the Municipal Services Building, One Fourth Street North, St. Petersburg, Florida. Laura Duvekot, Historic Preservationist II, (727) 892-5451 or Laura.Duvekot@stpete.org

GENERAL INFORMATION

<u>2855 6TH AVE N</u>	<u>14-31-16-46332-007-0110</u>
Property Address	Parcel Identification No.
<u>KENDWOOD</u>	
Historic District / Landmark Name	Corresponding Permit Nos.
<u>NANCY RICKETTS</u>	<u>727-439-1116</u>
Owner's Name	Property Owner's Daytime Phone No.
<u>2855 6TH AVE N ST. PETE, FL 33713</u>	<u>LUCK1ADY56@YAHOO.COM</u>
Owner's Address, City, State, Zip Code	Owner's Email
<u>ANTWAUN WELLS</u>	<u>727-657-8621</u>
Authorized Representative (Name & Title), if applicable	Representative's Daytime Phone No.
<u>2855 6TH AVE N ST. PETE FL 33713</u>	<u>AWELLS@HABITATPWP.ORG</u>
Owner's Address, City, State, Zip Code	Representative's Email

APPLICATION TYPE (Check applicable)	
Addition	<input type="checkbox"/>
New Construction	<input checked="" type="checkbox"/>
Demolition	<input type="checkbox"/>
Relocation	<input type="checkbox"/>
Other:	<input type="checkbox"/>

TYPE OF WORK (Check applicable)	
Repair Only	<input type="checkbox"/>
In-Kind Replacement	<input type="checkbox"/>
New Installation	<input type="checkbox"/>
Other:	<input type="checkbox"/>

AUTHORIZATION

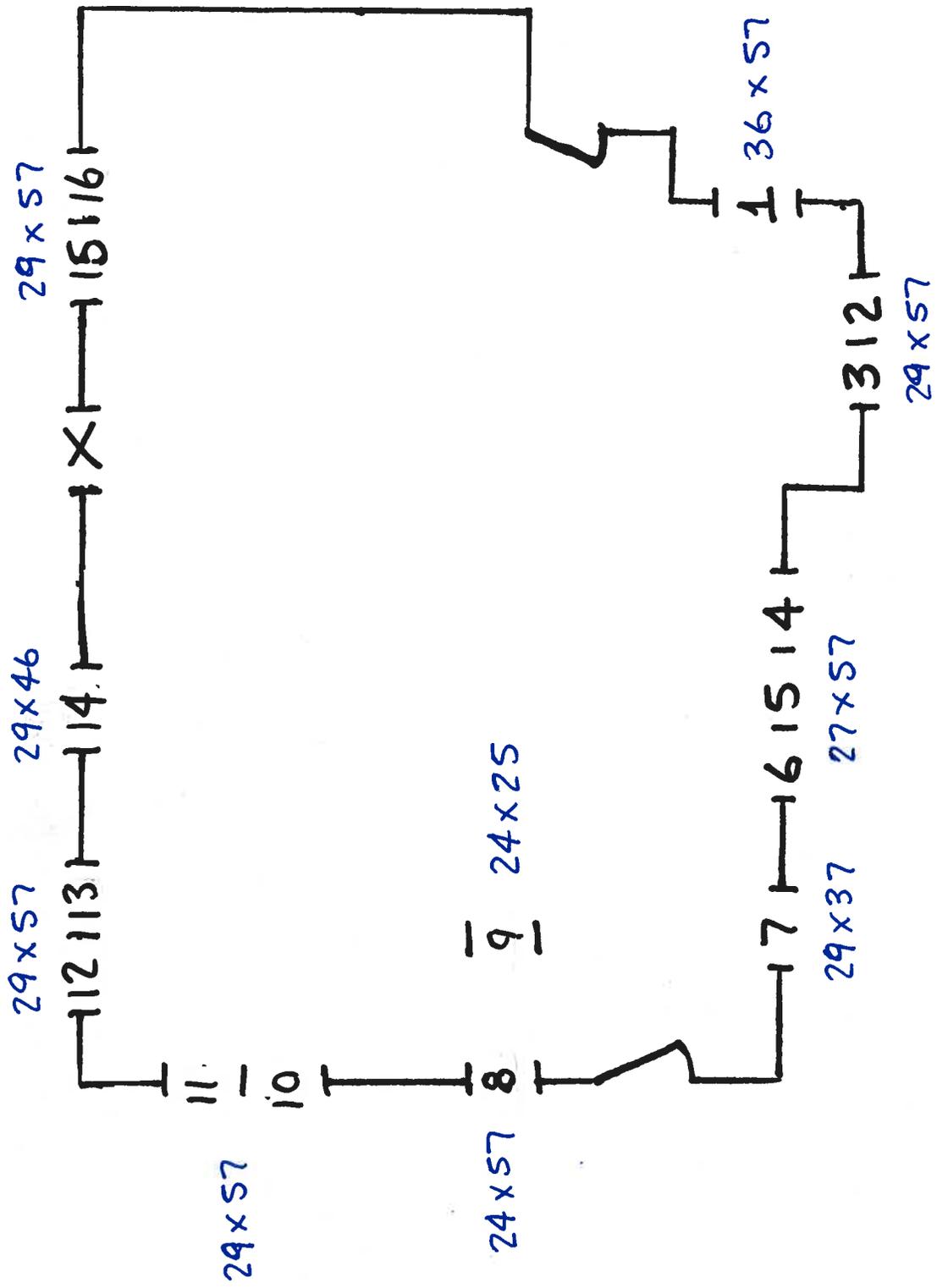
By signing this application, the applicant affirms that all information contained within this application packet has been read and that the information on this application represents an accurate description of the proposed work. The applicant certifies that the project described in this application, as detailed by the plans and specifications enclosed, will be constructed in exact accordance with aforesaid plans and specifications. Further, the applicant agrees to conform to all conditions of approval. It is understood that approval of this application by the Community Planning and Preservation Commission in no way constitutes approval of a building permit or other required City permit approvals. Filing an application does not guarantee approval.

- NOTES:**
- 1) It is incumbent upon the applicant to submit correct information. Any misleading, deceptive, incomplete or incorrect information may invalidate your approval.
 - 2) To accept an agent's signature, a notarized letter of authorization from the property owner must accompany the application.

Signature of Owner: _____ Date: _____
 Signature of Representative: Antwan Wells Date: 3/12/20

NANCY RICKETT'S
 2855 6TH AVE N
 WINDOW REPLACEMENT

C



D

Window Schedule

Material: Wood

Type: Single-hung

Finish: Paint

- 1 – 36 x 57**
- 2 – 29 x 57**
- 3 – 29 x 57**
- 4 – 27 x 57**
- 5 – 27 x 57**
- 6 – 27 x 57**
- 7 – 29 x 37**
- 8 – 24 x 57**
- 9 – 29 x 46**
- 10 – 29 x 57**
- 11 – 29 x 57**
- 12 – 29 x 57**
- 13 – 29 x 57**
- 14 – 24 x 25**
- 15 – 29 x 57**
- 16 – 29 x 57**

11



SOUTH SIDE



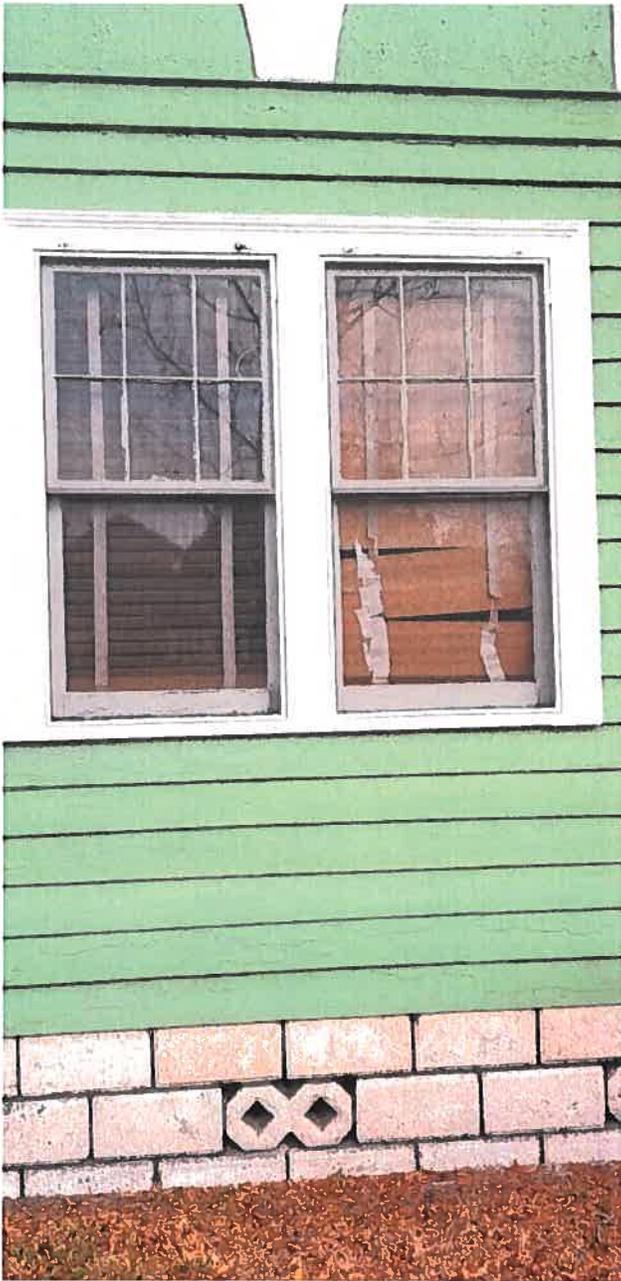
36 x 57

1

E



WEST SIDE



2,3

29 x 57



4,5,6

27x57



7

29 x 37

E



NORTH SIDE



8

24 x 57



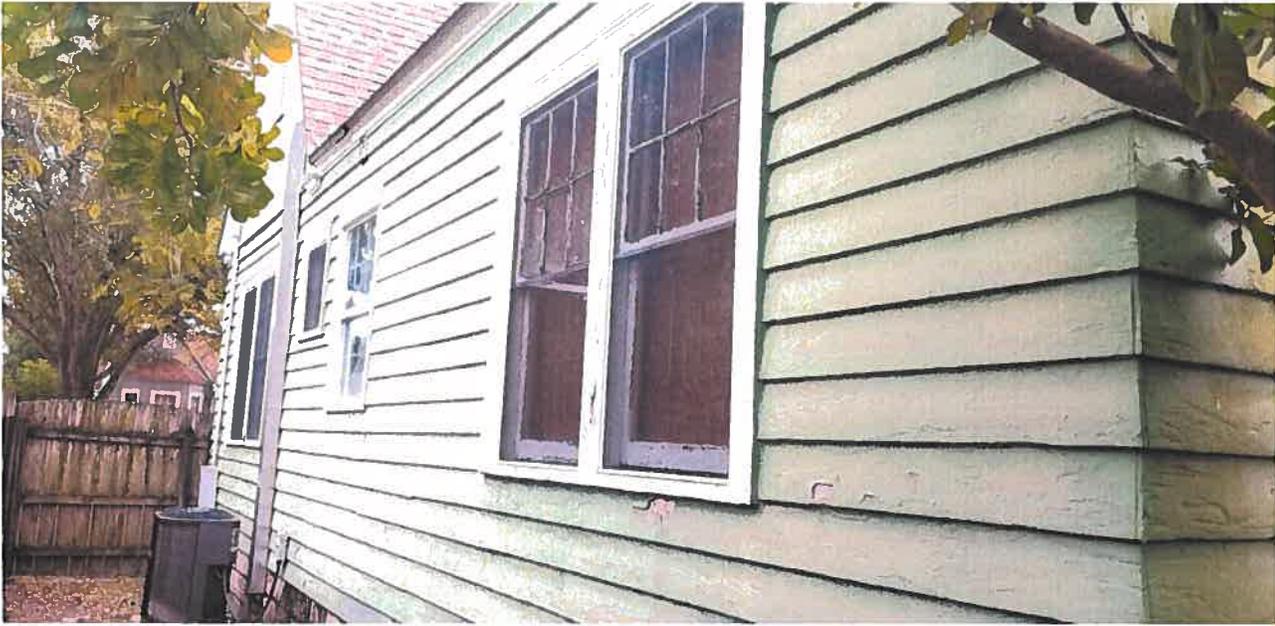
9

29 x 46



10,11

29 x 57



EAST SIDE



12,13

29x57



14



24 x 25



15, 16

29 x 57

Appendix B:

Manufacturer's Brochure



JELD-WEN
WINDOWS & DOORS

Premium Atlantic Vinyl

Window & Patio Door Features

Awning | Casement | Single-Hung | Sliding
Fixed, Radius & Geometric | Patio Door

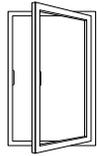


DEFINING DESIGN DETAILS

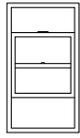
Window and Patio Door Styles



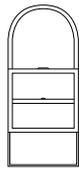
Awning



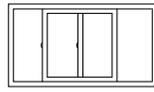
Casement



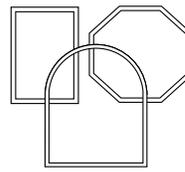
Single-Hung



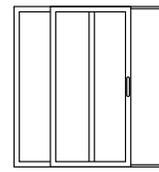
Single-Hung
Radius Top



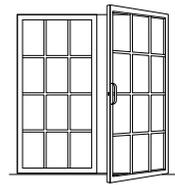
Sliding



Fixed, Radius
& Geometric

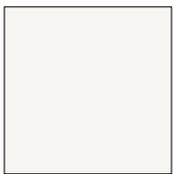


Sliding Patio Door
(Also available in
Bypass and Pocket
configurations)



Swinging
Patio Door

Vinyl Colors*



White



Desert Sand



Bronze**

*Actual colors may vary from samples displayed.

**Exterior only. Interior is white.

Divided Lites



Contour



5/8"

Flat



5/8"



7/8"

Frame Options

Integral Nailing Fin

Formed as part of the frame for strength and stability.

J-channel

Allows siding to be tucked out of sight for a clean line.

Brickmould

An exterior casing providing a boundary between siding and frame.

Box Frame

Places directly into existing window frame for easy installation.

Face Flange

Used for installation into wood buck in concrete block construction.

Flange Extender

(Flush Fin) 2-3/8"

Blinds Between the Glass (BBG)†

These blinds are thermally sealed between the glass - so there's no need for dusting.

They easily raise, lower and tilt to give you control of light and privacy.

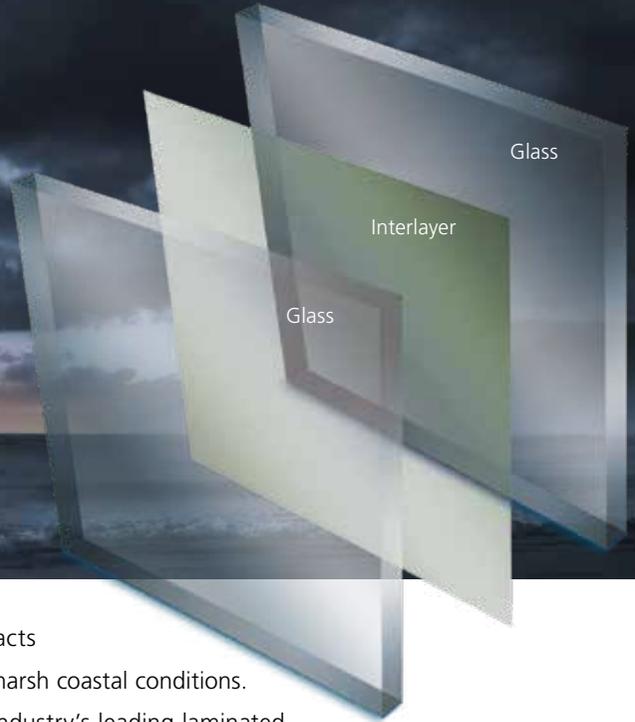
†Available in sliding door configurations with 3'0" x 6'8" panels



IMPACT RESISTANT GLASS



www.jeld-wen.com/impactgard



This glass stands up to strong impacts from wind-borne debris as well as harsh coastal conditions. In fact, ImpactGard® features the industry's leading laminated

glass technology that can withstand a nine-pound piece of lumber striking it head-on at approximately 34 miles per hour. It also reduces sound transmission, blocks up to 95 percent of harmful UV rays and enhances home security.



Left shows a standard window, right shows how ImpactGard resists the impact from wind borne debris.



Safe

Impact-Resistance

During a severe storm, a broken window can affect a home's structural integrity (see illustrations). Windows and patio doors with ImpactGard protection are designed to resist impacts so even if the glass cracks, the fragments will adhere to the interlayer, so the shards remain within the frame. ImpactGard also meets the nation's toughest building codes for windborne debris protection.



Sound

Decreased Sound Transmission

Unwanted outdoor noise is noticeably dampened with ImpactGard glass.



Secure

Forced-Entry Resistance

Windows and patio doors with ImpactGard protection resist forced entry. Because the interlayer separating the panes helps resist a potential intruder's glass cutter, break-ins are less likely.

TEXTURED & TINTED GLASS

Textured Glass

Let light in while maintaining privacy with textured glass.



Obscure

Tinted Glass

Tinted glass reduces glare, and is ideal for areas that get a lot of direct sunlight in the summer.



Clear



Green



Azurlite



Bronze



Gray



Bronze Reflective



Gray Reflective



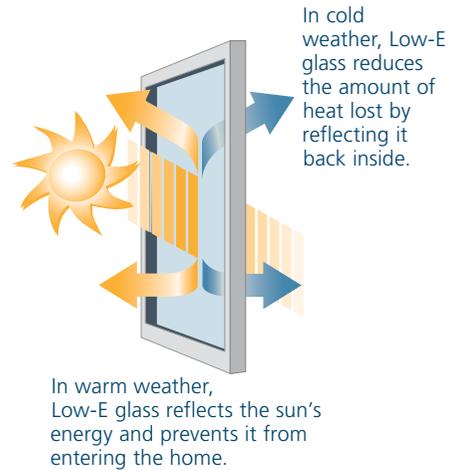
Graylite

ENERGY SAVING GLASS

Low-E and LoE³-366 Insulating Glass

High-performance Low-E insulating glass comes standard and helps lower fading of interior furnishings, and reduces condensation. It also delivers greater visible light transmittance than tinted glass. We offer optional LoE³-366, which provides even more protection against heat loss and fading, as well as greater energy savings. Most JELD-WEN windows and patio doors with Low-E glass are ENERGY STAR® certified. ENERGY STAR products help Americans save energy, save money and reduce their carbon footprints. ENERGY STAR criteria for windows are based on the U-factor and Solar Heat Gain Coefficient (SHGC) combined ratings that provide significant energy efficiency for a given climate zone. It's easy! Just tell your JELD-WEN dealer you want JELD-WEN windows that are ENERGY STAR certified for your climate zone.

For more information, visit www.jeld-wen.com/energyefficiency.



Many JELD-WEN windows and doors are ENERGY STAR certified. Homeowners can save energy—and money—by replacing old windows with ENERGY STAR certified windows and pay a 7-15 percent lower household energy bill. Lower energy consumption also reduces greenhouse gas emissions from power plants and shrinks a home's carbon footprint. JELD-WEN has been an ENERGY STAR partner since 1998.

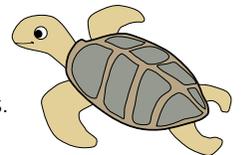
LoE²-240 - Meets Turtle Lighting Code



Each May through October on the coast of Florida, sea turtles make their way up the beaches to lay their eggs. About two months later, their hatchlings emerge and head towards natural light sources that reflect off the water (such as the moon or stars) in order to make their way to the sea. Today though, many hatchlings instead head further inland to their deaths; confused by the lights of beach front homes and properties.

Because of the sea turtles' endangered status, Florida building codes require new construction with a direct line-of-sight to the beach to install glass with a visible light transmission (VLT) of 45% or less.

LoE²-240 has a VLT of 40% and not only meets this code, but exceeds it.



Neat® Glass (Available on LoE³-366 only)

With this glass option you gain natural cleaning convenience. By harnessing the sun's UV rays (even when the sky is cloudy) to loosen dirt from the glass, rainwater can easily rinse away grime. No manual activation is required.

The JELD-WEN® website is your ultimate resource for learning about our reliable windows and doors. It has all the product information and design advice you need. Visit us at jeld-wen.com today.



THE JELD-WEN PROMISE

JELD-WEN products create lasting value for your home. We are so confident that you will be pleased with our Vinyl Windows and Patio Doors, that each one carries our industry-leading warranty. Here are just some of the highlights of our warranty...

The Vinyl Window & Patio Door Lifetime Limited Warranty Includes:

- » Limited lifetime coverage against defects in material and workmanship for most product components (such as insulating glass, vinyl and metal components, and hardware) for as long as you own and occupy your home.
- » 10-year coverage on blinds and shades between the glass
- » 10-year coverage on colored exterior
- » Coverage is transferable for 10 years

*NOTE: The above information is a summary of key provisions of the **JELD-WEN Vinyl Window & Patio Door Lifetime Limited Warranty** effective July 1, 2010. For a complete copy of the current warranty, see your sales associate or refer to jeld-wen.com.*



Each one of our windows and patio doors is built to last. All of our vinyl windows and patio doors come with our lifetime limited warranty.



SECTION 08 53 13.00.
VINYL WINDOWS
JELD-WEN® Premium Atlantic Vinyl Series (Impact)

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Vinyl Windows: [Awning Windows] [Casement Windows] [Fixed, Radius and Geometric Windows] [Sliding Windows] [Single-Hung Tilt Windows].

1.2 REFERENCES

A. American Architectural Manufacturer Association (AAMA)

1. AAMA/WDMA/CSA 101/I.S.2 /A440 - North American Fenestration Standard/Specification for windows, doors, and skylights (NAFS).
2. AAMA 307 - Specification for Laminates Intended for use on AAMA Certified Profiles.
 - a. 4.2.1 Muriatic Acid Resistance.
 - b. 4.2.1.1 Testing Methods.
 - 1) Test per AAMA 613, Section 7.6.1.1.
 - c. 4.2.1.2 Performance Requirements.
 - 1) Requirements per AAMA 613, Section 7.6.1.2.
 - d. 4.2.2 Mortar Resistance (24 Hour Pat Test).
 - e. 4.2.2.1 Testing Methods.
 - 1) Test per AAMA 613, Section 7.6.2.1.
 - f. 4.2.1.2 Performance Requirements.
 - 1) Requirements per AAMA 613, Section 7.6.2.2.
 - g. 4.3 Detergent Resistance.
 - h. 4.3.1 Testing Methods.
 - 1) Test per AAMA 613, Section 7.7.1.
 - i. 4.3.2 Performance Requirements.
 - 1) Requirements per AAMA 613, Section 7.7.2.

B. ASTM International:

1. ASTM E 1886 - Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials.
2. ASTM E 1996 - Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes.

C. National Fenestration Rating Council (NFRC):

1. NFRC 100 - Procedure for Determining Fenestration Thermal Properties.
2. NFRC 200 - Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and Visible Transmittance at Normal Incidence.

D. Florida Building Code Test Procedures (Miami-Dade TAS) (Impact HVHZ):

1. TAS 201 - Impact Test Procedures.
2. TAS 202 - Criteria for testing Impact and Non-Impact Resistant Building Envelope Components using Uniform Static Air Pressure.
3. TAS 203 - Criteria for testing Products Subject to Cyclic Wind Pressure Loading.

E. ASTM International.

1. ASTM E90 – Laboratory measurement of Airborne Sound Transmission of Building Partitions and Elements.

2. ASTM E1332 – Standard Classification for Rating Outdoor – Indoor Sound Attenuation.

1.3 SUBMITTALS

- A. Submit under provisions of Section 0 13 00 – Administrative Requirements.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods.
- C. Shop Drawings: Submit shop drawings indicating details of construction, flashings and relationship with adjacent construction.
- D. Selection Samples: For each factory-finished product specified, two complete sets of color chips representing manufacturer's full range of available finishes.
- E. Verification Samples: For each factory-finished product specified, two samples, minimum size 6 inches (150 mm) square, representing actual finishes.
- F. Design Data, Test Reports: Provide manufacturer test reports indicating product compliance with indicated requirements.
- G. Closeout Submittals: Refer to Section 0 17 00 Execution and Closeout Requirements Closeout Submittals.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Minimum ___ year(s) installing similar assemblies.
- B. Mock-Up: Provide a mock-up for evaluation of installation techniques and workmanship.
 - 1. Mock-ups shall incorporate surrounding construction, including wall assembly fasteners, flashing, and other related accessories installed in accordance with manufacturer's approved installation methods.
 - 2. Do not proceed with remaining work until workmanship is approved by Architect.
 - 3. Modify mock-up as required to produce acceptable work.
 - 4. At Substantial Completion, approved mockups may become part of completed work.
 - 5. Demolish mockups and remove from site.
- C. Pre-installation Meeting: Conduct pre-installation meeting on-site two weeks prior to commencement of installation.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver, store and handle materials and products in strict compliance with manufacturer's instructions and recommendations and industry standards.
- B. Deliver and store assembly materials and components in manufacturer's original, unopened, undamaged containers with identification labels intact. Protect from damage.

1.6 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by Manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.

1.7 WARRANTY

- A. Manufacturer's Standard Warranty: Assemblies will be free from defects in materials and workmanship from the date of manufacture for the time periods indicated below:
 - 1. Basic Product Coverage - Window Unit: **[Owner Occupied Single-Family Residence: Lifetime] [Commercial: 10 years]**.
 - 2. Glazing:

- a. Insulated Glass: **[Owner Occupied Single-Family Residence: Lifetime]**
[Commercial: 10 years].
 - b. ImpactGard: 10 years includes the glass panes and the insulating seal.
 - c. Laminated Glass: 5 years.
 - d. Specialty Glazing: 5 years.
3. Colored Exterior: 10 years.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: JELD-WEN, Inc.; 2645 Silver Crescent Drive, Charlotte, NC 28273; Toll Free Tel: 800-535-3936; Tel: 541-850-2606; Fax: 541-851-4333; Email: architectural_inquiries@jeld-wen.com; Web: <http://www.jeld-wen.com>.
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 0 16 00 – Product Requirements.

2.2 VINYL WINDOWS – GENERAL

A. Design Requirements

- 1. Provide windows capable of complying with requirements indicated, based on testing manufacturer's window that are representative of those specified and that are of test size required by ANSI/AAMA/NWDA 101 I.S.2/NAFS.
- 2. Test Size: In compliance with requirements of AAMA/WDMA/CSA 101/I.S2/A440.
- 3. Structural Requirements: Provide assemblies complying with requirements indicated:
 - a. Performance Class: As indicated on drawings.
 - b. Performance Class: _____.
 - c. Performance Grade: As indicated on drawings.
 - d. Performance Grade: _____.
- 4. NFRC Requirements: Provide assemblies complying with the following total window ratings:
 - a. U-Factor: _____ in accordance with NFRC 100.
 - b. Solar Heat Gain Coefficient (SHGC): _____ in accordance with NFRC 200.
 - c. Visible Transmittance (VT): _____ in accordance with NFRC 200.
- 5. Acoustic Requirements – Provide assemblies capable of complying with the following:
 - a. STC: _____.
 - b. OITC: _____.

B. Installation Accessories:

- 1. Flashing: Refer to Section 07600 - Flashing and Sheet Metal.
- 2. Sealants: OSI Sealants (OSI QUAD Max, OSI QUAD Foam) by Henkel Corporation.
- 3. Sealants: Refer to Section 07920 - Joint Sealants.
- 4. Sealants: Manufacturer recommended sealants to maintain watertight conditions.

C. Materials:

D. Laminate Exterior Finishes:

- 1. AAMA 303 – Voluntary Specification for Poly (Vinyl Chloride) (PVC) Exterior Profile Extrusions.
 - a. Boil and Heat Resistance Test.
- 2. Vertical Heat Build-Up (HBU) – Less than 45° F (ASTM D4803).
- 3. Pencil Hardness – “F” (ASTM D3363).

E. Finishes:

- 1. Interior Finishes:
 - a. Standard Vinyl:
 - 1) Finish: **[As selected by Architect] [White (Standard)] [Desert Sand]**.
- 2. Exterior Finishes:
 - a. Standard Vinyl:

- 1) Finish: **[As selected by Architect] [White (Standard)] [Desert Sand].**
- 3. Optional FiniShield™ Laminate Vinyl:
 - 1) Finish: **[As selected by Architect] [Laminated Black] [Laminated Bronze].**

2.3 VINYL WINDOW ASSEMBLIES

- A. Basis of Design: Premium Atlantic Vinyl Series window assemblies as manufactured by JELD-WEN, Inc.: **[Awning Windows] [Casement Windows] [Fixed, Radius and Geometric Windows] [Sliding Windows] [Single-Hung Tilt Windows].**
- B. Window Fabrication:
 - 1. Window Type: Awning Windows.
 - a. Frame: Fusion Welded Corners.
 - b. Sash: Fusion Welded Corners.
 - c. Glass: Mounted with silicone glazing compound.
 - 2. Window Type: Casement Windows.
 - a. Frame: Fusion Welded Corners.
 - b. Sash: Fusion Welded Corners.
 - c. Glass: Mounted with silicone glazing compound.
 - 3. Window Type: Fixed, Radius and Geometric Windows.
 - a. Frame: Fusion Welded Corners.
 - b. Glass: Mounted with silicone glazing compound.
 - 4. Window Type: Sliding Windows.
 - a. Frame: Fusion Welded Corners.
 - b. Sash: Fusion Welded Corners.
 - c. Glass: Mounted with silicone glazing compound.
 - 5. Window Type: Single-Hung Tilt Windows.
 - a. Frame: Fusion Welded Corners.
 - b. Sash: Fusion Welded Corners.
 - c. Glass: Mounted with silicone glazing compound.
- C. Frames:
 - 1. Jamb Depth: **[Awning windows: 3-1/4" inch (82.55mm)] [Casement windows: 3 1/4" inch (82.55mm)] [Fixed, Radius and Geometric windows: 3 inch (76.2mm)] [Sliding windows: 3 inch (76.2mm)] [Single-Hung Tilt windows: 3 inch (76.2mm)].**
- D. Sashes:
 - 1. Sash thickness: **[Awning Windows: 2.33" inch (59.18mm)] [Casement Windows: 2.33" (59.18mm)] [Sliding Window: 1.16" inch (29.46mm)] [Single-Hung Tilt Windows: 1.16" inch (29.46mm)].**
- E. Exterior Trim: **[Nail Fin (Standard)] [Box] [5/8" Flange] [J-Channel] [Snap-In Brickmould] [2 3/8" Flange Extender].**
- F. Frame Accessories: None.
- G. Weatherstripping: **[Awning Windows: .250" Fin pile combined with sweep seals] [Casement Windows: .250" Fin pile combined with sweep seals] [Fixed Windows: N/A] [Sliding Windows: .250" Fin pile] [Single-Hung Tilt Windows: .250" Fin pile].**
- H. Hardware:
 - 1. Awning Windows
 - a. Hinges: Standard hinge (Standard).
 - b. Coastal Hardware: **[No Coastal Hardware (Standard)] [Coastal Hardware].**
 - c. Lock: Single actuating handle locks
 - 1) Finish: **[As selected by Architect] [White (Standard)] [Desert Sand].**
 - 2. Casement Windows
 - a. Hinges: **[Standard hinge (Standard)] [Maximum Opening Hinge].**
 - b. Coastal Hardware: **[No Coastal Hardware (Standard)] [Coastal Hardware].**

- c. Lock: Multipoint lock.
 - 1) Finish: **[As selected by Architect] [White (Standard)] [Desert Sand].**
 - d. Secondary Vent Stop: **[No Window Opening Control Device] [Window Opening Control Device (ASTM F2090 Compliant)].**
 - 3. Fixed, Radius and Geometric Windows: None.
 - 4. Sliding Windows
 - a. Sliding System: Rollers.
 - b. Lock: Style Cam-Lock.
 - 1) Finish: **[As selected by Architect] [White (Standard)] [Desert Sand].**
 - 5. Single-Hung Tilt Windows
 - a. Balance: Spiral Balance System.
 - b. Lock: Style Cam Lock
 - 1) Finish: **[As selected by Architect] [White (Standard)] [Desert Sand].**
- I. Glazing for Windows:
 - 1. Glazing Type: Insulated glass.
 - a. Construction: Two panes of glass utilizing continuous roll formed stainless steel spacer and dual seal sealants.
 - b. Strength: Impact
 - c. Overall Nominal Thickness: 7/8 inch.
 - d. Inner Glass Type: Impact.
 - e. Outer Glass Type: **[Annealed (Standard)] [Tempered].**
 - f. Glass Coating: **[As selected by Architect] [Low-E 366 (Standard)] [Low-E] [Low-E 340] [No Low-E].**
 - g. Air Space Gas: **[None (Standard)] [Argon].**
- J. Insect Screens
 - 1. Screen Type: Screen (Standard).
 - a. Screen Mesh Type: **[Charcoal] [Gray] Fiberglass screen cloth (18 by 16 mesh) set in painted roll formed aluminum frame.] [Black BetterVue fiberglass screen cloth (18 x 18) set in painted roll formed or extruded aluminum frame].**
 - b. Screen Options: Standard Screen Frame.
 - 2. Screen Type: Bundled Screen.
 - a. Screen Mesh Type: **[Charcoal] [Gray] Fiberglass screen cloth (18 by 16 mesh) set in painted roll formed aluminum frame.] [Black BetterVue fiberglass screen cloth (18 x 18) set in painted roll formed or extruded aluminum frame].**
 - b. Screen Options: Standard Screen Frame.
 - 3. Screen Type: No Screen.
 - 4. Frame Finish: Color match window frame extrusion.
 - 5. Full or Half Screen: Half Screen.
- K. Grilles for Windows:
 - 1. Simulated Divided Lites (SDL):
 - a. Exterior Muntins
 - 1) Material: Extruded permanently applied to exterior and interior of insulating glass unit.
 - 2) Profile: Contour.
 - (a) Width: 7/8 inch (22.2mm).
 - 3) Pattern: As scheduled and indicated on Drawings.
 - 4) Finish: Match finish.
 - 2. Simulated Divided Lites (SDL) without Shadowbar.
 - a. Exterior Muntins
 - 1) Material: Extruded permanently applied to exterior and interior of insulating glass unit.
 - 2) Profile: Contour.

- (a) Width: 7/8 inch (22.2mm).
- 3) Pattern: As scheduled and indicated on Drawings.
- 4) Finish: Match finish.
- 3. Grilles Between the Glass (GBG):
 - a. Material: **[Made of roll formed aluminum suspended within the air cavity (Standard)].**
 - b. Material: **[Laser Grid suspended within the air cavity].**
 - c. Profile: Flat.
 - 1) Width: **[5/8 inch (15.9mm)] [7/8 inch (22mm)].**
 - d. Profile: Contour.
 - 1) Width: **[5/8 inch (15.9mm)] [1 inch (25.4mm)].**
 - e. Pattern: As scheduled and indicated on Drawings.
 - f. Finish: Color match window frame extrusion.
- 4. 7/8 inch (22.2mm) Contour SDL (slim) Out / 1 inch Contour GBG
 - a. Exterior Muntins
 - 1) Material: Extruded vinyl permanently applied to exterior of insulating glass unit.
 - 2) Pattern: As selected by Architect.
 - 3) Width: 7/8 inch (22.2mm).
 - 4) Finish: Match finish.
 - b. GBG: 1 inch pattern matched GBG.
 - 1) Profile: Contour.

PART 3 - EXECUTION

3.1 GENERAL

- A. Install windows in accordance with manufacturer's installation guidelines and recommendations. All windows have P.E. certified anchor details and requirements.

3.2 EXAMINATION

- A. Inspect window prior to installation.
- B. Inspect rough opening for compliance with window manufacturer recommendations. Verify rough opening conditions are within recommended tolerances.

3.3 PREPARATION

- A. Prepare windows for installation in accordance with manufacturer's recommendations.

3.4 INSTALLATION

- A. Insert window into rough opening:
 - 1. Shim side jambs, head and sill straight.
 - 2. Inspect window for square, level and plumb.
 - 3. Fasten window in accordance with certified anchor drawing through shim (per anchor drawings) and into rough opening.
 - 4. Test and adjust for smooth operation of window.
 - 5. Ensure weep holes are clear of debris for proper drainage.

3.5 CLEANING

- A. Clean the exterior surface and glass with mild soap and water.

3.6 PROTECTION

- A. Protect installed windows from damage.

END OF SECTION



SECTION 08 53 13.00.
VINYL WINDOWS
JELD-WEN® Premium Atlantic Vinyl Series (Impact)

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Vinyl Windows: **[Awning Windows] [Casement Windows] [Fixed, Radius and Geometric Windows] [Sliding Windows] [Single-Hung Tilt Windows].**

1.2 REFERENCES

A. American Architectural Manufacturer Association (AAMA)

1. AAMA/WDMA/CSA 101/I.S.2 /A440 - North American Fenestration Standard/Specification for windows, doors, and skylights (NAFS).
2. AAMA 307 - Specification for Laminates Intended for use on AAMA Certified Profiles.
 - a. 4.2.1 Muriatic Acid Resistance.
 - b. 4.2.1.1 Testing Methods.
 - 1) Test per AAMA 613, Section 7.6.1.1.
 - c. 4.2.1.2 Performance Requirements.
 - 1) Requirements per AAMA 613, Section 7.6.1.2.
 - d. 4.2.2 Mortar Resistance (24 Hour Pat Test).
 - e. 4.2.2.1 Testing Methods.
 - 1) Test per AAMA 613, Section 7.6.2.1.
 - f. 4.2.1.2 Performance Requirements.
 - 1) Requirements per AAMA 613, Section 7.6.2.2.
 - g. 4.3 Detergent Resistance.
 - h. 4.3.1 Testing Methods.
 - 1) Test per AAMA 613, Section 7.7.1.
 - i. 4.3.2 Performance Requirements.
 - 1) Requirements per AAMA 613, Section 7.7.2.

B. ASTM International:

1. ASTM E 1886 - Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials.
2. ASTM E 1996 - Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes.

C. National Fenestration Rating Council (NFRC):

1. NFRC 100 - Procedure for Determining Fenestration Thermal Properties.
2. NFRC 200 - Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and Visible Transmittance at Normal Incidence.

D. Florida Building Code Test Procedures (Miami-Dade TAS) (Impact HVHZ):

1. TAS 201 - Impact Test Procedures.
2. TAS 202 - Criteria for testing Impact and Non-Impact Resistant Building Envelope Components using Uniform Static Air Pressure.
3. TAS 203 - Criteria for testing Products Subject to Cyclic Wind Pressure Loading.

E. ASTM International.

1. ASTM E90 – Laboratory measurement of Airborne Sound Transmission of Building Partitions and Elements.

2. ASTM E1332 – Standard Classification for Rating Outdoor – Indoor Sound Attenuation.

1.3 SUBMITTALS

- A. Submit under provisions of Section 0 13 00 – Administrative Requirements.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 1. Preparation instructions and recommendations.
 2. Storage and handling requirements and recommendations.
 3. Installation methods.
- C. Shop Drawings: Submit shop drawings indicating details of construction, flashings and relationship with adjacent construction.
- D. Selection Samples: For each factory-finished product specified, two complete sets of color chips representing manufacturer's full range of available finishes.
- E. Verification Samples: For each factory-finished product specified, two samples, minimum size 6 inches (150 mm) square, representing actual finishes.
- F. Design Data, Test Reports: Provide manufacturer test reports indicating product compliance with indicated requirements.
- G. Closeout Submittals: Refer to Section 0 17 00 Execution and Closeout Requirements Closeout Submittals.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Minimum ___ year(s) installing similar assemblies.
- B. Mock-Up: Provide a mock-up for evaluation of installation techniques and workmanship.
 1. Mock-ups shall incorporate surrounding construction, including wall assembly fasteners, flashing, and other related accessories installed in accordance with manufacturer's approved installation methods.
 2. Do not proceed with remaining work until workmanship is approved by Architect.
 3. Modify mock-up as required to produce acceptable work.
 4. At Substantial Completion, approved mockups may become part of completed work.
 5. Demolish mockups and remove from site.
- C. Pre-installation Meeting: Conduct pre-installation meeting on-site two weeks prior to commencement of installation.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver, store and handle materials and products in strict compliance with manufacturer's instructions and recommendations and industry standards.
- B. Deliver and store assembly materials and components in manufacturer's original, unopened, undamaged containers with identification labels intact. Protect from damage.

1.6 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by Manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.

1.7 WARRANTY

- A. Manufacturer's Standard Warranty: Assemblies will be free from defects in materials and workmanship from the date of manufacture for the time periods indicated below:
 1. Basic Product Coverage - Window Unit: **[Owner Occupied Single-Family Residence: Lifetime] [Commercial: 10 years]**.
 2. Glazing:

- a. Insulated Glass: [Owner Occupied Single-Family Residence: Lifetime] [Commercial: 10 years].
 - b. ImpactGard: 10 years includes the glass panes and the insulating seal.
 - c. Laminated Glass: 5 years.
 - d. Specialty Glazing: 5 years.
3. Colored Exterior: 10 years.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: JELD-WEN, Inc.; 2645 Silver Crescent Drive, Charlotte, NC 28273; Toll Free Tel: 800-535-3936; Tel: 541-850-2606; Fax: 541-851-4333; Email: architectural_inquiries@jeld-wen.com; Web: <http://www.jeld-wen.com>.
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 0 16 00 – Product Requirements.

2.2 VINYL WINDOWS – GENERAL

A. Design Requirements

- 1. Provide windows capable of complying with requirements indicated, based on testing manufacturer's window that are representative of those specified and that are of test size required by ANSI/AAMA/NWDA 101 I.S.2/NAFS.
- 2. Test Size: In compliance with requirements of AAMA/WDMA/CSA 101/I.S2/A440.
- 3. Structural Requirements: Provide assemblies complying with requirements indicated:
 - a. Performance Class: As indicated on drawings.
 - b. Performance Class: _____.
 - c. Performance Grade: As indicated on drawings.
 - d. Performance Grade: _____.
- 4. NFRC Requirements: Provide assemblies complying with the following total window ratings:
 - a. U-Factor: _____ in accordance with NFRC 100.
 - b. Solar Heat Gain Coefficient (SHGC): _____ in accordance with NFRC 200.
 - c. Visible Transmittance (VT): _____ in accordance with NFRC 200.
- 5. Acoustic Requirements – Provide assemblies capable of complying with the following:
 - a. STC: _____.
 - b. OITC: _____.

B. Installation Accessories:

- 1. Flashing: Refer to Section 07600 - Flashing and Sheet Metal.
- 2. Sealants: OSI Sealants (OSI QUAD Max, OSI QUAD Foam) by Henkel Corporation.
- 3. Sealants: Refer to Section 07920 - Joint Sealants.
- 4. Sealants: Manufacturer recommended sealants to maintain watertight conditions.

C. Materials:

D. Laminate Exterior Finishes:

- 1. AAMA 303 – Voluntary Specification for Poly (Vinyl Chloride) (PVC) Exterior Profile Extrusions.
 - a. Boil and Heat Resistance Test.
- 2. Vertical Heat Build-Up (HBU) – Less than 45° F (ASTM D4803).
- 3. Pencil Hardness – “F” (ASTM D3363).

E. Finishes:

- 1. Interior Finishes:
 - a. Standard Vinyl:
 - 1) Finish: [As selected by Architect] [White (Standard)] [Desert Sand].
- 2. Exterior Finishes:
 - a. Standard Vinyl:

- 1) Finish: **[As selected by Architect] [White (Standard)] [Desert Sand].**
- 3. Optional FiniShield™ Laminate Vinyl:
 - 1) Finish: **[As selected by Architect] [Laminated Black] [Laminated Bronze].**

2.3 VINYL WINDOW ASSEMBLIES

- A. Basis of Design: Premium Atlantic Vinyl Series window assemblies as manufactured by JELD-WEN, Inc.: **[Awning Windows] [Casement Windows] [Fixed, Radius and Geometric Windows] [Sliding Windows] [Single-Hung Tilt Windows].**
- B. Window Fabrication:
 - 1. Window Type: Awning Windows.
 - a. Frame: Fusion Welded Corners.
 - b. Sash: Fusion Welded Corners.
 - c. Glass: Mounted with silicone glazing compound.
 - 2. Window Type: Casement Windows.
 - a. Frame: Fusion Welded Corners.
 - b. Sash: Fusion Welded Corners.
 - c. Glass: Mounted with silicone glazing compound.
 - 3. Window Type: Fixed, Radius and Geometric Windows.
 - a. Frame: Fusion Welded Corners.
 - b. Glass: Mounted with silicone glazing compound.
 - 4. Window Type: Sliding Windows.
 - a. Frame: Fusion Welded Corners.
 - b. Sash: Fusion Welded Corners.
 - c. Glass: Mounted with silicone glazing compound.
 - 5. Window Type: Single-Hung Tilt Windows.
 - a. Frame: Fusion Welded Corners.
 - b. Sash: Fusion Welded Corners.
 - c. Glass: Mounted with silicone glazing compound.
- C. Frames:
 - 1. Jamb Depth: **[Awning windows: 3-1/4" inch (82.55mm)] [Casement windows: 3 1/4" inch (82.55mm)] [Fixed, Radius and Geometric windows: 3 inch (76.2mm)] [Sliding windows: 3 inch (76.2mm)] [Single-Hung Tilt windows: 3 inch (76.2mm)].**
- D. Sashes:
 - 1. Sash thickness: **[Awning Windows: 2.33" inch (59.18mm)] [Casement Windows: 2.33" (59.18mm)] [Sliding Window: 1.16" inch (29.46mm)] [Single-Hung Tilt Windows: 1.16" inch (29.46mm)].**
- E. Exterior Trim: **[Nail Fin (Standard)] [Box] [5/8" Flange] [J-Channel] [Snap-In Brickmould] [2 3/8" Flange Extender].**
- F. Frame Accessories: None.
- G. Weatherstripping: **[Awning Windows: .250" Fin pile combined with sweep seals] [Casement Windows: .250" Fin pile combined with sweep seals] [Fixed Windows: N/A] [Sliding Windows: .250" Fin pile] [Single-Hung Tilt Windows: .250" Fin pile].**
- H. Hardware:
 - 1. Awning Windows
 - a. Hinges: Standard hinge (Standard).
 - b. Coastal Hardware: **[No Coastal Hardware (Standard)] [Coastal Hardware].**
 - c. Lock: Single actuating handle locks
 - 1) Finish: **[As selected by Architect] [White (Standard)] [Desert Sand].**
 - 2. Casement Windows
 - a. Hinges: **[Standard hinge (Standard)] [Maximum Opening Hinge].**
 - b. Coastal Hardware: **[No Coastal Hardware (Standard)] [Coastal Hardware].**

- c. Lock: Multipoint lock.
 - 1) Finish: **[As selected by Architect] [White (Standard)] [Desert Sand].**
 - d. Secondary Vent Stop: **[No Window Opening Control Device] [Window Opening Control Device (ASTM F2090 Compliant)].**
 - 3. Fixed, Radius and Geometric Windows: None.
 - 4. Sliding Windows
 - a. Sliding System: Rollers.
 - b. Lock: Style Cam-Lock.
 - 1) Finish: **[As selected by Architect] [White (Standard)] [Desert Sand].**
 - 5. Single-Hung Tilt Windows
 - a. Balance: Spiral Balance System.
 - b. Lock: Style Cam Lock
 - 1) Finish: **[As selected by Architect] [White (Standard)] [Desert Sand].**
- I. Glazing for Windows:
 - 1. Glazing Type: Insulated glass.
 - a. Construction: Two panes of glass utilizing continuous roll formed stainless steel spacer and dual seal sealants.
 - b. Strength: Impact
 - c. Overall Nominal Thickness: 7/8 inch.
 - d. Inner Glass Type: Impact.
 - e. Outer Glass Type: **[Annealed (Standard)] [Tempered].**
 - f. Glass Coating: **[As selected by Architect] [Low-E 366 (Standard)] [Low-E] [Low-E 340] [No Low-E].**
 - g. Air Space Gas: **[None (Standard)] [Argon].**
- J. Insect Screens
 - 1. Screen Type: Screen (Standard).
 - a. Screen Mesh Type: **[Charcoal] [Gray] Fiberglass screen cloth (18 by 16 mesh) set in painted roll formed aluminum frame.] [Black BetterVue fiberglass screen cloth (18 x 18) set in painted roll formed or extruded aluminum frame].**
 - b. Screen Options: Standard Screen Frame.
 - 2. Screen Type: Bundled Screen.
 - a. Screen Mesh Type: **[Charcoal] [Gray] Fiberglass screen cloth (18 by 16 mesh) set in painted roll formed aluminum frame.] [Black BetterVue fiberglass screen cloth (18 x 18) set in painted roll formed or extruded aluminum frame].**
 - b. Screen Options: Standard Screen Frame.
 - 3. Screen Type: No Screen.
 - 4. Frame Finish: Color match window frame extrusion.
 - 5. Full or Half Screen: Half Screen.
- K. Grilles for Windows:
 - 1. Simulated Divided Lites (SDL):
 - a. Exterior Muntins
 - 1) Material: Extruded permanently applied to exterior and interior of insulating glass unit.
 - 2) Profile: Contour.
 - (a) Width: 7/8 inch (22.2mm).
 - 3) Pattern: As scheduled and indicated on Drawings.
 - 4) Finish: Match finish.
 - 2. Simulated Divided Lites (SDL) without Shadowbar.
 - a. Exterior Muntins
 - 1) Material: Extruded permanently applied to exterior and interior of insulating glass unit.
 - 2) Profile: Contour.

- (a) Width: 7/8 inch (22.2mm).
- 3) Pattern: As scheduled and indicated on Drawings.
- 4) Finish: Match finish.
- 3. Grilles Between the Glass (GBG):
 - a. Material: **[Made of roll formed aluminum suspended within the air cavity (Standard)]**.
 - b. Material: **[Laser Grid suspended within the air cavity]**.
 - c. Profile: Flat.
 - 1) Width: **[5/8 inch (15.9mm)] [7/8 inch (22mm)]**.
 - d. Profile: Contour.
 - 1) Width: **[5/8 inch (15.9mm)] [1 inch (25.4mm)]**.
 - e. Pattern: As scheduled and indicated on Drawings.
 - f. Finish: Color match window frame extrusion.
- 4. 7/8 inch (22.2mm) Contour SDL (slim) Out / 1 inch Contour GBG
 - a. Exterior Muntins
 - 1) Material: Extruded vinyl permanently applied to exterior of insulating glass unit.
 - 2) Pattern: As selected by Architect.
 - 3) Width: 7/8 inch (22.2mm).
 - 4) Finish: Match finish.
 - b. GBG: 1 inch pattern matched GBG.
 - 1) Profile: Contour.

PART 3 - EXECUTION

3.1 GENERAL

- A. Install windows in accordance with manufacturer's installation guidelines and recommendations. All windows have P.E. certified anchor details and requirements.

3.2 EXAMINATION

- A. Inspect window prior to installation.
- B. Inspect rough opening for compliance with window manufacturer recommendations. Verify rough opening conditions are within recommended tolerances.

3.3 PREPARATION

- A. Prepare windows for installation in accordance with manufacturer's recommendations.

3.4 INSTALLATION

- A. Insert window into rough opening:
 - 1. Shim side jambs, head and sill straight.
 - 2. Inspect window for square, level and plumb.
 - 3. Fasten window in accordance with certified anchor drawing through shim (per anchor drawings) and into rough opening.
 - 4. Test and adjust for smooth operation of window.
 - 5. Ensure weep holes are clear of debris for proper drainage.

3.5 CLEANING

- A. Clean the exterior surface and glass with mild soap and water.

3.6 PROTECTION

- A. Protect installed windows from damage.

END OF SECTION



SECTION 08 53 13.00.
VINYL WINDOWS
JELD-WEN® Premium Atlantic Vinyl Series (Impact)

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Vinyl Windows: [Awning Windows] [Casement Windows] [Fixed, Radius and Geometric Windows] [Sliding Windows] [Single-Hung Tilt Windows].

1.2 REFERENCES

A. American Architectural Manufacturer Association (AAMA)

1. AAMA/WDMA/CSA 101/I.S.2 /A440 - North American Fenestration Standard/Specification for windows, doors, and skylights (NAFS).
2. AAMA 307 - Specification for Laminates Intended for use on AAMA Certified Profiles.
 - a. 4.2.1 Muriatic Acid Resistance.
 - b. 4.2.1.1 Testing Methods.
 - 1) Test per AAMA 613, Section 7.6.1.1.
 - c. 4.2.1.2 Performance Requirements.
 - 1) Requirements per AAMA 613, Section 7.6.1.2.
 - d. 4.2.2 Mortar Resistance (24 Hour Pat Test).
 - e. 4.2.2.1 Testing Methods.
 - 1) Test per AAMA 613, Section 7.6.2.1.
 - f. 4.2.1.2 Performance Requirements.
 - 1) Requirements per AAMA 613, Section 7.6.2.2.
 - g. 4.3 Detergent Resistance.
 - h. 4.3.1 Testing Methods.
 - 1) Test per AAMA 613, Section 7.7.1.
 - i. 4.3.2 Performance Requirements.
 - 1) Requirements per AAMA 613, Section 7.7.2.

B. ASTM International:

1. ASTM E 1886 - Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials.
2. ASTM E 1996 - Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes.

C. National Fenestration Rating Council (NFRC):

1. NFRC 100 - Procedure for Determining Fenestration Thermal Properties.
2. NFRC 200 - Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and Visible Transmittance at Normal Incidence.

D. Florida Building Code Test Procedures (Miami-Dade TAS) (Impact HVHZ):

1. TAS 201 - Impact Test Procedures.
2. TAS 202 - Criteria for testing Impact and Non-Impact Resistant Building Envelope Components using Uniform Static Air Pressure.
3. TAS 203 - Criteria for testing Products Subject to Cyclic Wind Pressure Loading.

E. ASTM International.

1. ASTM E90 - Laboratory measurement of Airborne Sound Transmission of Building Partitions and Elements.

2. ASTM E1332 – Standard Classification for Rating Outdoor – Indoor Sound Attenuation.

1.3 SUBMITTALS

- A. Submit under provisions of Section 0 13 00 – Administrative Requirements.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 1. Preparation instructions and recommendations.
 2. Storage and handling requirements and recommendations.
 3. Installation methods.
- C. Shop Drawings: Submit shop drawings indicating details of construction, flashings and relationship with adjacent construction.
- D. Selection Samples: For each factory-finished product specified, two complete sets of color chips representing manufacturer's full range of available finishes.
- E. Verification Samples: For each factory-finished product specified, two samples, minimum size 6 inches (150 mm) square, representing actual finishes.
- F. Design Data, Test Reports: Provide manufacturer test reports indicating product compliance with indicated requirements.
- G. Closeout Submittals: Refer to Section 0 17 00 Execution and Closeout Requirements Closeout Submittals.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Minimum ___ year(s) installing similar assemblies.
- B. Mock-Up: Provide a mock-up for evaluation of installation techniques and workmanship.
 1. Mock-ups shall incorporate surrounding construction, including wall assembly fasteners, flashing, and other related accessories installed in accordance with manufacturer's approved installation methods.
 2. Do not proceed with remaining work until workmanship is approved by Architect.
 3. Modify mock-up as required to produce acceptable work.
 4. At Substantial Completion, approved mockups may become part of completed work.
 5. Demolish mockups and remove from site.
- C. Pre-installation Meeting: Conduct pre-installation meeting on-site two weeks prior to commencement of installation.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver, store and handle materials and products in strict compliance with manufacturer's instructions and recommendations and industry standards.
- B. Deliver and store assembly materials and components in manufacturer's original, unopened, undamaged containers with identification labels intact. Protect from damage.

1.6 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by Manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.

1.7 WARRANTY

- A. Manufacturer's Standard Warranty: Assemblies will be free from defects in materials and workmanship from the date of manufacture for the time periods indicated below:
 1. Basic Product Coverage - Window Unit: **[Owner Occupied Single-Family Residence: Lifetime] [Commercial: 10 years]**.
 2. Glazing:

- a. Insulated Glass: **[Owner Occupied Single-Family Residence: Lifetime]**
[Commercial: 10 years].
 - b. ImpactGard: 10 years includes the glass panes and the insulating seal.
 - c. Laminated Glass: 5 years.
 - d. Specialty Glazing: 5 years.
3. Colored Exterior: 10 years.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: JELD-WEN, Inc.; 2645 Silver Crescent Drive, Charlotte, NC 28273; Toll Free Tel: 800-535-3936; Tel: 541-850-2606; Fax: 541-851-4333; Email: architectural_inquiries@jeld-wen.com; Web: <http://www.jeld-wen.com>.
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 0 16 00 – Product Requirements.

2.2 VINYL WINDOWS – GENERAL

A. Design Requirements

- 1. Provide windows capable of complying with requirements indicated, based on testing manufacturer's window that are representative of those specified and that are of test size required by ANSI/AAMA/NWDA 101 I.S.2/NAFS.
- 2. Test Size: In compliance with requirements of AAMA/WDMA/CSA 101/I.S2/A440.
- 3. Structural Requirements: Provide assemblies complying with requirements indicated:
 - a. Performance Class: As indicated on drawings.
 - b. Performance Class: _____.
 - c. Performance Grade: As indicated on drawings.
 - d. Performance Grade: _____.
- 4. NFRC Requirements: Provide assemblies complying with the following total window ratings:
 - a. U-Factor: _____ in accordance with NFRC 100.
 - b. Solar Heat Gain Coefficient (SHGC): _____ in accordance with NFRC 200.
 - c. Visible Transmittance (VT): _____ in accordance with NFRC 200.
- 5. Acoustic Requirements – Provide assemblies capable of complying with the following:
 - a. STC: _____.
 - b. OITC: _____.

B. Installation Accessories:

- 1. Flashing: Refer to Section 07600 - Flashing and Sheet Metal.
- 2. Sealants: OSI Sealants (OSI QUAD Max, OSI QUAD Foam) by Henkel Corporation.
- 3. Sealants: Refer to Section 07920 - Joint Sealants.
- 4. Sealants: Manufacturer recommended sealants to maintain watertight conditions.

C. Materials:

D. Laminate Exterior Finishes:

- 1. AAMA 303 – Voluntary Specification for Poly (Vinyl Chloride) (PVC) Exterior Profile Extrusions.
 - a. Boil and Heat Resistance Test.
- 2. Vertical Heat Build-Up (HBU) – Less than 45° F (ASTM D4803).
- 3. Pencil Hardness – "F" (ASTM D3363).

E. Finishes:

- 1. Interior Finishes:
 - a. Standard Vinyl:
 - 1) Finish: **[As selected by Architect] [White (Standard)] [Desert Sand]**.
- 2. Exterior Finishes:
 - a. Standard Vinyl:

- 1) Finish: **[As selected by Architect] [White (Standard)] [Desert Sand]**.
3. Optional FiniShield™ Laminate Vinyl:
 - 1) Finish: **[As selected by Architect] [Laminated Black] [Laminated Bronze]**.

2.3 VINYL WINDOW ASSEMBLIES

- A. Basis of Design: Premium Atlantic Vinyl Series window assemblies as manufactured by JELD-WEN, Inc.: **[Awning Windows] [Casement Windows] [Fixed, Radius and Geometric Windows] [Sliding Windows] [Single-Hung Tilt Windows]**.
- B. Window Fabrication:
 1. Window Type: Awning Windows.
 - a. Frame: Fusion Welded Corners.
 - b. Sash: Fusion Welded Corners.
 - c. Glass: Mounted with silicone glazing compound.
 2. Window Type: Casement Windows.
 - a. Frame: Fusion Welded Corners.
 - b. Sash: Fusion Welded Corners.
 - c. Glass: Mounted with silicone glazing compound.
 3. Window Type: Fixed, Radius and Geometric Windows.
 - a. Frame: Fusion Welded Corners.
 - b. Glass: Mounted with silicone glazing compound.
 4. Window Type: Sliding Windows.
 - a. Frame: Fusion Welded Corners.
 - b. Sash: Fusion Welded Corners.
 - c. Glass: Mounted with silicone glazing compound.
 5. Window Type: Single-Hung Tilt Windows.
 - a. Frame: Fusion Welded Corners.
 - b. Sash: Fusion Welded Corners.
 - c. Glass: Mounted with silicone glazing compound.
- C. Frames:
 1. Jamb Depth: **[Awning windows: 3-1/4" inch (82.55mm)] [Casement windows: 3 1/4" inch (82.55mm)] [Fixed, Radius and Geometric windows: 3 inch (76.2mm)] [Sliding windows: 3 inch (76.2mm)] [Single-Hung Tilt windows: 3 inch (76.2mm)]**.
- D. Sashes:
 1. Sash thickness: **[Awning Windows: 2.33" inch (59.18mm)] [Casement Windows: 2.33" (59.18mm)] [Sliding Window: 1.16" inch (29.46mm)] [Single-Hung Tilt Windows: 1.16" inch (29.46mm)]**.
- E. Exterior Trim: **[Nail Fin (Standard)] [Box] [5/8" Flange] [J-Channel] [Snap-In Brickmould] [2 3/8" Flange Extender]**.
- F. Frame Accessories: None.
- G. Weatherstripping: **[Awning Windows: .250" Fin pile combined with sweep seals] [Casement Windows: .250" Fin pile combined with sweep seals] [Fixed Windows: N/A] [Sliding Windows: .250" Fin pile] [Single-Hung Tilt Windows: .250" Fin pile]**.
- H. Hardware:
 1. Awning Windows
 - a. Hinges: Standard hinge (Standard).
 - b. Coastal Hardware: **[No Coastal Hardware (Standard)] [Coastal Hardware]**.
 - c. Lock: Single actuating handle locks
 - 1) Finish: **[As selected by Architect] [White (Standard)] [Desert Sand]**.
 2. Casement Windows
 - a. Hinges: **[Standard hinge (Standard)] [Maximum Opening Hinge]**.
 - b. Coastal Hardware: **[No Coastal Hardware (Standard)] [Coastal Hardware]**.

- c. Lock: Multipoint lock.
 - 1) Finish: **[As selected by Architect] [White (Standard)] [Desert Sand].**
 - d. Secondary Vent Stop: **[No Window Opening Control Device] [Window Opening Control Device (ASTM F2090 Compliant)].**
 - 3. Fixed, Radius and Geometric Windows: None.
 - 4. Sliding Windows
 - a. Sliding System: Rollers.
 - b. Lock: Style Cam-Lock.
 - 1) Finish: **[As selected by Architect] [White (Standard)] [Desert Sand].**
 - 5. Single-Hung Tilt Windows
 - a. Balance: Spiral Balance System.
 - b. Lock: Style Cam Lock
 - 1) Finish: **[As selected by Architect] [White (Standard)] [Desert Sand].**
- I. Glazing for Windows:
 - 1. Glazing Type: Insulated glass.
 - a. Construction: Two panes of glass utilizing continuous roll formed stainless steel spacer and dual seal sealants.
 - b. Strength: Impact
 - c. Overall Nominal Thickness: 7/8 inch.
 - d. Inner Glass Type: Impact.
 - e. Outer Glass Type: **[Annealed (Standard)] [Tempered].**
 - f. Glass Coating: **[As selected by Architect] [Low-E 366 (Standard)] [Low-E] [Low-E 340] [No Low-E].**
 - g. Air Space Gas: **[None (Standard)] [Argon].**
- J. Insect Screens
 - 1. Screen Type: Screen (Standard).
 - a. Screen Mesh Type: **[Charcoal] [Gray] Fiberglass screen cloth (18 by 16 mesh) set in painted roll formed aluminum frame.] [Black BetterVue fiberglass screen cloth (18 x 18) set in painted roll formed or extruded aluminum frame].**
 - b. Screen Options: Standard Screen Frame.
 - 2. Screen Type: Bundled Screen.
 - a. Screen Mesh Type: **[Charcoal] [Gray] Fiberglass screen cloth (18 by 16 mesh) set in painted roll formed aluminum frame.] [Black BetterVue fiberglass screen cloth (18 x 18) set in painted roll formed or extruded aluminum frame].**
 - b. Screen Options: Standard Screen Frame.
 - 3. Screen Type: No Screen.
 - 4. Frame Finish: Color match window frame extrusion.
 - 5. Full or Half Screen: Half Screen.
- K. Grilles for Windows:
 - 1. Simulated Divided Lites (SDL):
 - a. Exterior Muntins
 - 1) Material: Extruded permanently applied to exterior and interior of insulating glass unit.
 - 2) Profile: Contour.
 - (a) Width: 7/8 inch (22.2mm).
 - 3) Pattern: As scheduled and indicated on Drawings.
 - 4) Finish: Match finish.
 - 2. Simulated Divided Lites (SDL) without Shadowbar.
 - a. Exterior Muntins
 - 1) Material: Extruded permanently applied to exterior and interior of insulating glass unit.
 - 2) Profile: Contour.

- (a) Width: 7/8 inch (22.2mm).
- 3) Pattern: As scheduled and indicated on Drawings.
- 4) Finish: Match finish.
- 3. Grilles Between the Glass (GBG):
 - a. Material: **[Made of roll formed aluminum suspended within the air cavity (Standard)].**
 - b. Material: **[Laser Grid suspended within the air cavity].**
 - c. Profile: Flat.
 - 1) Width: **[5/8 inch (15.9mm)] [7/8 inch (22mm)].**
 - d. Profile: Contour.
 - 1) Width: **[5/8 inch (15.9mm)] [1 inch (25.4mm)].**
 - e. Pattern: As scheduled and indicated on Drawings.
 - f. Finish: Color match window frame extrusion.
- 4. 7/8 inch (22.2mm) Contour SDL (slim) Out / 1 inch Contour GBG
 - a. Exterior Muntins
 - 1) Material: Extruded vinyl permanently applied to exterior of insulating glass unit.
 - 2) Pattern: As selected by Architect.
 - 3) Width: 7/8 inch (22.2mm).
 - 4) Finish: Match finish.
 - b. GBG: 1 inch pattern matched GBG.
 - 1) Profile: Contour.

PART 3 - EXECUTION

3.1 GENERAL

- A. Install windows in accordance with manufacturer's installation guidelines and recommendations. All windows have P.E. certified anchor details and requirements.

3.2 EXAMINATION

- A. Inspect window prior to installation.
- B. Inspect rough opening for compliance with window manufacturer recommendations. Verify rough opening conditions are within recommended tolerances.

3.3 PREPARATION

- A. Prepare windows for installation in accordance with manufacturer's recommendations.

3.4 INSTALLATION

- A. Insert window into rough opening:
 - 1. Shim side jambs, head and sill straight.
 - 2. Inspect window for square, level and plumb.
 - 3. Fasten window in accordance with certified anchor drawing through shim (per anchor drawings) and into rough opening.
 - 4. Test and adjust for smooth operation of window.
 - 5. Ensure weep holes are clear of debris for proper drainage.

3.5 CLEANING

- A. Clean the exterior surface and glass with mild soap and water.

3.6 PROTECTION

- A. Protect installed windows from damage.

END OF SECTION

Appendix C:

Maps of Subject Property



7TH AVE N

29TH ST N

28TH ST N

6TH AVE N

5TH AVE N

The Kenwood Section –
Northwest Kenwood
Local Historic District

Community Planning and Preservation Commission

2855 6th Avenue N

AREA TO BE APPROVED,

SHOWN IN

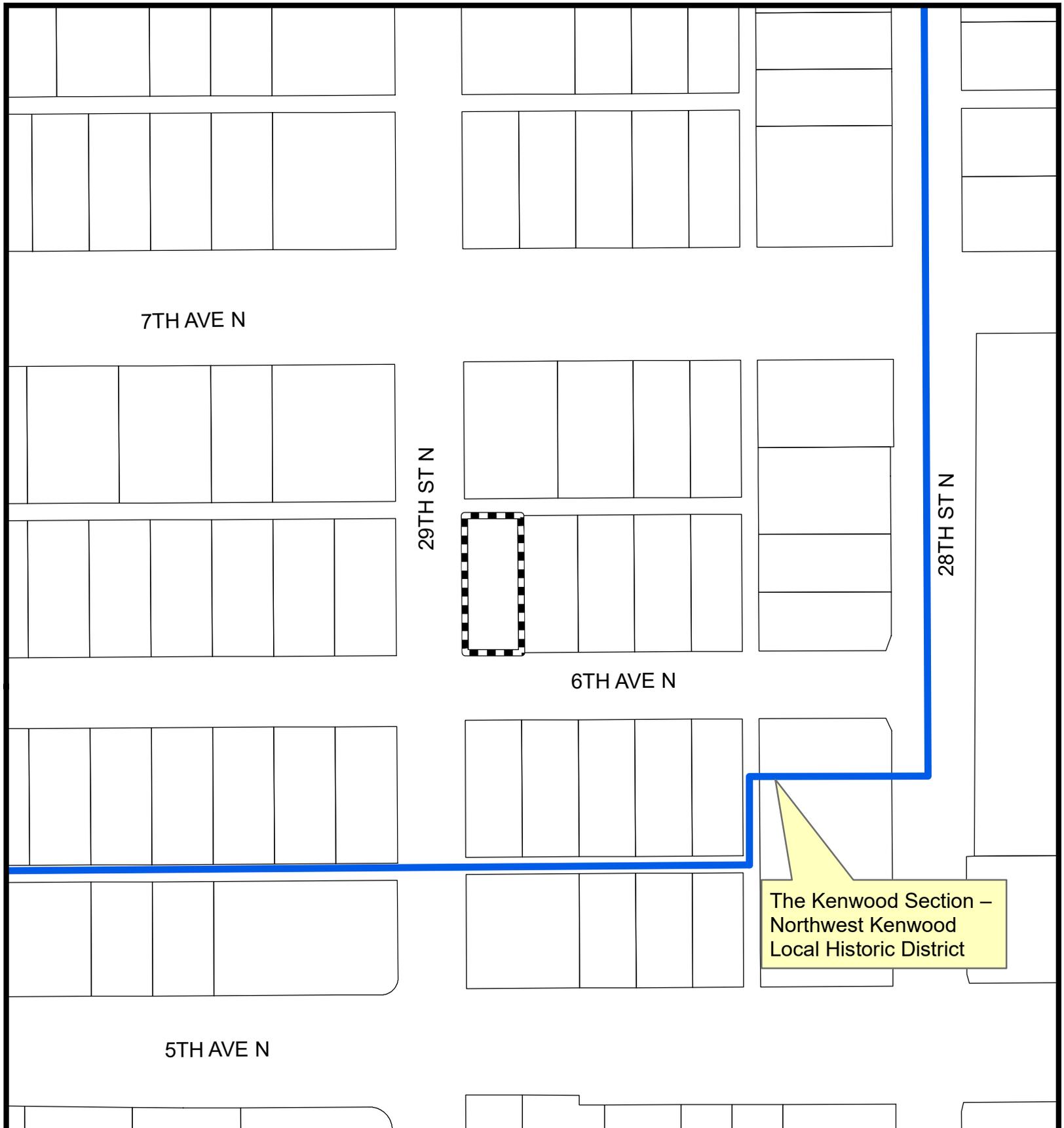


CASE NUMBER

20-90200019



SCALE:
1" = 125'



7TH AVE N

29TH ST N

6TH AVE N

28TH ST N

5TH AVE N

The Kenwood Section –
Northwest Kenwood
Local Historic District

Community Planning and Preservation Commission

2855 6th Avenue N

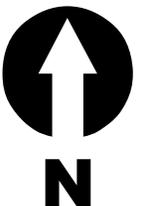
AREA TO BE APPROVED,

SHOWN IN



CASE NUMBER

20-90200019



SCALE:
1" = 125'