

# CERTIFICATE OF APPROPRIATENESS APPLICATION FORM



**PLANNING &  
DEVELOPMENT  
DEPARTMENT**

**PROPERTY**

Address 802 West Temple St.  
 Historic District North Hill Landmark Historic District - Contributing HCAD # 062132.0180009  
 Subdivision East North Hill (Procter Plaza) Lot 9 Block 218

**DESIGNATION TYPE**

- Landmark
- Protected Landmark
- Archaeological Site
- Contributing
- Noncontributing
- Vacant

**PROPOSED ACTION**

- Alteration or Addition
- Restoration
- New Construction
- Relocation
- Demolition
- Excavation

**DOCUMENTS**

Application checklist for each proposed action and all applicable documentation listed within are attached

**OWNER**

Name MARK SCIONEUX & FRANK BROWN  
 Company \_\_\_\_\_  
 Mailing Address 802 WEST TEMPLE ST  
 Phone 713-775-5959 / 832-859-3631  
 Email \_\_\_\_\_  
 Signature [Signature]  
 Date 2-9-15

**APPLICANT (if other than owner)**

Name \_\_\_\_\_  
 Company N/A  
 Mailing Address \_\_\_\_\_  
 Phone \_\_\_\_\_  
 Email \_\_\_\_\_  
 Signature \_\_\_\_\_  
 Date \_\_\_\_\_

**ACKNOWLEDGEMENT OF RESPONSIBILITY**

**Requirements:** A complete application includes all applicable information requested on checklists to provide a complete and accurate description of existing and proposed conditions. Preliminary review meeting or site visit with staff may be necessary to process the application. Owner contact information and signature is required. Late or incomplete applications will not be considered.

**Deed Restrictions:** You have verified that the work does not violate applicable deed restrictions.

**Public Records:** If attached materials are protected by copyright law, you grant the City of Houston, its officers, agencies, departments, and employees, non-exclusive rights to reproduce, distribute and publish copyrighted materials before the Houston Archaeological and Historical Commission, the Planning Commission, City Council, and other City of Houston commissions, agencies, and departments, on a City of Houston website, or other public forum for the purposes of application for a Certificate of Appropriateness or building permit, and other educational and not for profit purposes. You hereby represent that you possess the requisite permission or rights being conveyed here to the City.

**Compliance:** If granted, you agree to comply with all conditions of the COA. Revisions to approved work require staff review and may require a new application and HAHC approval. Failure to comply with the COA may result in project delays, fines or other penalties.

Planner: \_\_\_\_\_ Application received: \_\_\_/\_\_\_/\_\_\_ Application complete: \_\_\_/\_\_\_/\_\_\_

# CERTIFICATE OF APPROPRIATENESS ALTERATION & ADDITON CHECKLIST



PLANNING &  
DEVELOPMENT  
DEPARTMENT

Well in advance of the COA application deadline contact staff to discuss your project and, if necessary, to make an appointment to meet with staff for a project consultation.

Complete all applicable items and submit with the COA application form. Staff can assist you in determining what items are required for your scope of work. An incomplete application may cause delays in processing or may be deferred to the next agenda. Application materials must clearly represent current and proposed conditions. Refer to Houston Code of Ordinances, Ch. 33 VII, Sec. 33-241 for approval criteria for alteration, rehabilitation, restoration and additions.

PROPERTY ADDRESS: 802 WEST TEMPLE ST

## BUILDING TYPE

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> single-family residence | <input type="checkbox"/> garage              |
| <input type="checkbox"/> multi-family residence             | <input type="checkbox"/> carport             |
| <input type="checkbox"/> commercial building                | <input type="checkbox"/> accessory structure |
| <input type="checkbox"/> mixed use building                 | <input type="checkbox"/> other               |
| <input type="checkbox"/> institutional building             |  |

## ALTERATION TYPE

- |  |   |
|--|---|
| <input type="checkbox"/> addition                    | <input type="checkbox"/> roof             |
| <input type="checkbox"/> foundation                  | <input type="checkbox"/> awning or canopy |
| <input type="checkbox"/> wall siding or cladding     | <input type="checkbox"/> commercial sign  |
| <input checked="" type="checkbox"/> windows or doors | <input type="checkbox"/> ramp or lift     |
| <input type="checkbox"/> porch or balcony            | <input type="checkbox"/> other            |

## WRITTEN DESCRIPTION

- property description, current conditions and any prior alterations or additions
- proposed work; plans to change any exterior features, and/or addition description
- current building material conditions and originality of any materials proposed to be repaired or replaced
- proposed new materials description; attach specification sheets if necessary

## PHOTOGRAPHS label photos with description and location

- elevations of all sides
- detail photos of exterior elements subject to proposed work
- historical photos as evidence for restoration work *N/A*

## DRAWINGS scale like drawings the same; include all dimensions and drawing scale; label with cardinal directions

- |   |  |
|---|--|
| <input type="checkbox"/> current site plan                            | <input type="checkbox"/> demolition plan <i>N/A</i>                  |
| <input type="checkbox"/> proposed site plan <i>N/A</i>                | <input type="checkbox"/> current roof plan <i>N/A</i>                |
| <input checked="" type="checkbox"/> current floor plans               | <input type="checkbox"/> proposed roof plan <i>N/A</i>               |
| <input type="checkbox"/> proposed floor plans <i>N/A</i>              | <input type="checkbox"/> current elevations (all sides) <i>N/A</i>   |
| <input type="checkbox"/> current window and door schedule             | <input type="checkbox"/> proposed elevations (all sides) <i>N/A</i>  |
| <input checked="" type="checkbox"/> proposed window and door schedule | <input type="checkbox"/> perspective and/or line of sight <i>N/A</i> |

## **802 West Temple Street**

### **Certificate of Appropriateness Addendum**

#### **General Description of Property**

A circa 1920 brick Tudor revival cottage. The exterior condition of the house is in good condition with the exception of the windows. The windows are one-over-one double hung sash in single, double and triple combinations.

#### **Current Conditions and Prior Alterations**

The windows when purchased in 2001 were already a combination of old and new fabric. In particular the previous owner had replaced all the aprons, stools, sills and parts of the casement on every window before painting for resale. Unknown to us the wood was not appropriate for exterior use (untreated).

House underwent interior remodeling beginning in 2002. At this time the windows were restored to working order with new ropes and weights where necessary, the wood elements were restored or replaced before being painted. Unknown to us the wood was not appropriate for exterior use (untreated).

The aprons, sills and stool are now rotten because of inferior wood as are parts of the sash and casement. The rotten sills in the living room, dining room have become an entry for water to channel between the walls and to travel between the finished floor and subfloor. (see attached report from American Leak Detection). The original wood floors have buckled in at least ten places, some over an inch high. It is estimated that between 30 and 50 % of the original wood floors will need to be replaced. The water is pooling under the living room and causing a moisture and mold problem which is affecting the structural beams and joists. The interior of the cabinets in the kitchen near the window are holding moisture and currently must be kept open to prevent mold.

#### **Proposed Work –**

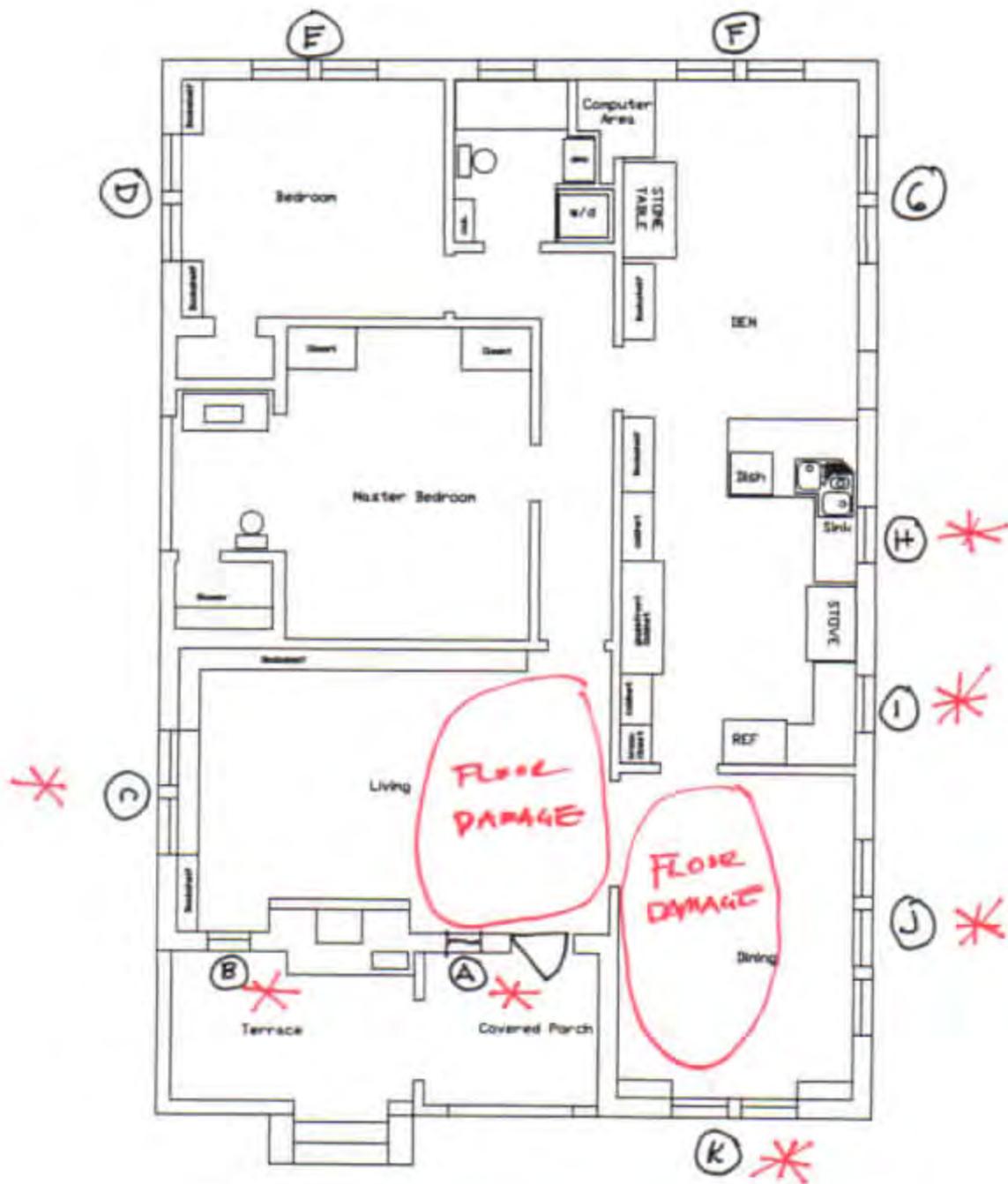
Our immediate need is the replacement of the windows, casement and sills in the living room, dining room and kitchen. We are losing valuable original material on the interior. We believe the same wood that was used to repair the front room windows was used in the rear windows and will eventually rot. We would like approval now to replace the windows in the rear bedroom and den at a later date to prevent further damage.

#### **Current Building Materials Description And Originality Of Any Materials Proposed To Be Repaired Or Replaced**

See above: Current Conditions and Prior Alterations. The typical window is 31" x 60". The windows flanking the fireplace in the living room are 23" x 60". The kitchen and bathroom window are 31" x 32".

#### **Proposed New Material**

The windows will be replaced with Jeld Wen Custom Line - Pozzi (see attached specifications). The size, material and style (one-over-one, wood, double-hung window) of window will be retained respecting the proportion of glass to wood frame. The casement, jambs, sills and other wood elements that need to be replaced will be replicated with treated wood.



\* WINDOWS THAT NEED IMMEDIATE REPLACEMENT. CAUSING WATER DAMAGE TO FLOORS AND STRUCTURE.



EAST FACADE



WINDOW A



NORTH FACADE



WEST FACADE



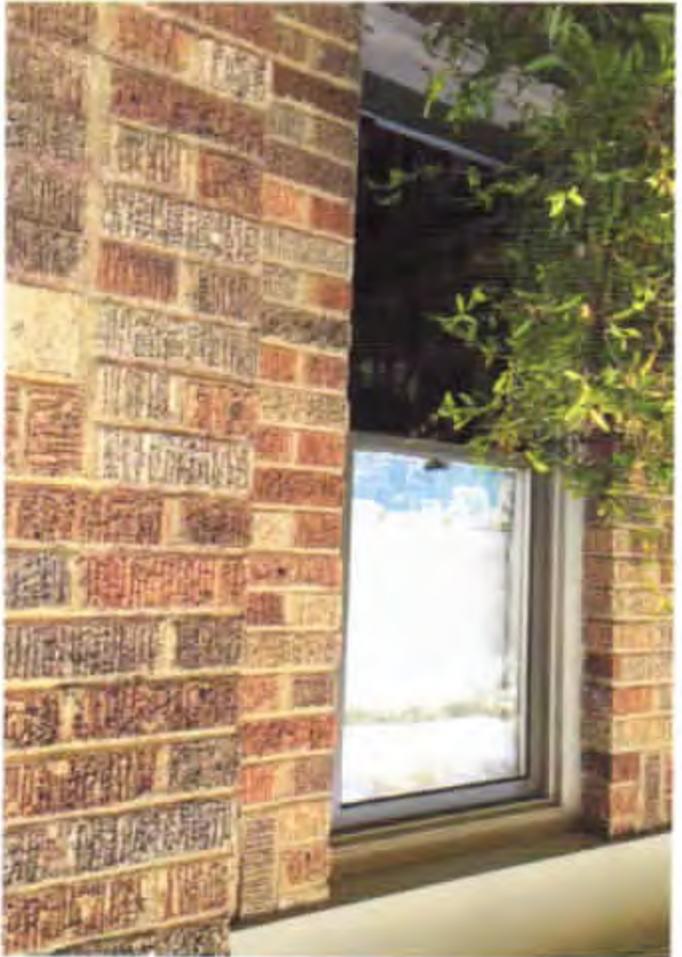
WINDOW K



TRP DAMAGE WINDOW K



WINDOW C



WINDOW B



WINDOW J



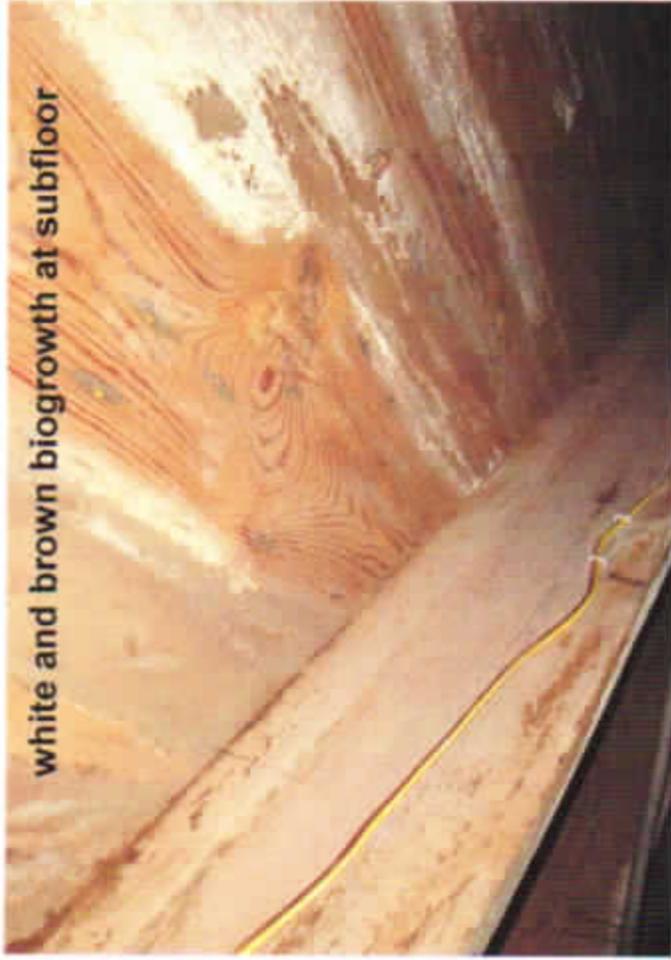
TYPICAL DAMAGE WINDOW C



Typ Damage K



TYPICAL DAMAGE WINDOW J



white and brown biogrowth at subfloor

SUB FLOOR DAMAGE

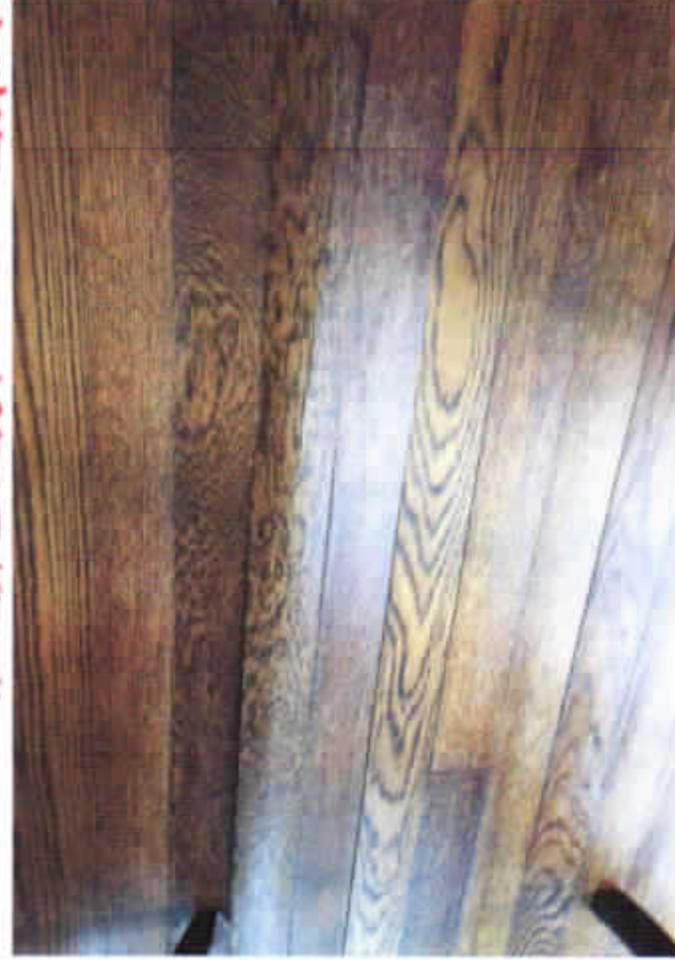


FINISH FLOOR DAMAGE

LIVING RM



INTERIOR DAMAGE WINDOW 1



FINISH FLOOR DAMAGE DINING RM



Tax ID: 56-2658523  
 17903 West Strack Drive  
 Spring, TX 77379

To: Frank Brown  
 Tel. #: (713) 775-5959  
 Fax #: [REDACTED]  
 Email: [REDACTED]  
 ALD Telephone: (281) 355-0055  
 ALD Fax: (281) 355-5621

# INVOICE 32438

**Account (Location):**

Brown, Frank  
 802 West Temple Street  
 Houston, TX 77009

**Other Account Information:**

Brown, Frank  
 802 West Temple Street  
 Houston, TX 77009

Invoice Date	9/24/2014	Technician	David	Product / Service	37257
Invoice #	Sep 24, 2014	Terms	Due Upon Receipt	Type	2-H/O (Acct)
Client #		P.O. #		ALD Contact	SAVANNAH

Description		Amount
Sewer = Hydrostatic test -		\$250.00
<b>TOTAL</b>		<b>\$250.00</b>

Invoice Description :

37257 (\$250.00 PAID IN FULL) 09/24/14 - HYDROSTATIC/DOMESTIC/THERMAL - David O'Neil

Technician tested the domestic water supply to the home and sprinklers and found no leaks at this time. The drain lines underneath the home were visually checked and found no problems at this time. Water was run on the front windows to the home and found water leaking in around the base of all the windows at the front of the home. Water was run around the fireplace and found water to be leaking in the around the flashing and roof.

LEAK DETECTION IS GUARANTEED FOR 30 DAYS (SH)

PAID CHECK#1120 \$250.00 09/24/14

**PAID**

Operates under License TMPL#39199 919 E. 41st St - P.O. Box 4200 Austin, TX 78765 512.458.2145 - FAX 512.450.0637 - 1.800.845.6594  
 \*\* PLEASE DETACH THIS PORTION AND RETURN WITH PAYMENT \*\*

**American Leak Detection of Houston**

Tax ID: 56-2658523  
 17903 West Strack Drive  
 Spring, TX 77379

Phone: (281) 440-4400  
 (281) 355-0055 for Billing  
 Fax: (281) 355-5621

Account 7137755959  
 Invoice # 32438  
 Amount \$ 250.00  
 Paid \$250.00

Interest will be charged at a rate of 1.5% per month on accounts over 30 days.  
 We accept all major credit cards. Please write invoice number on check.

*Approved 9/24/14 calspu*

**(Specifier Note:** The purpose of this guide specification is to assist the specifier in correctly specifying JELD-WEN® Custom Wood wood windows. The specifier needs to edit these guide specifications to fit the needs of each specific project. Contact a JELD-WEN representative to assist in appropriate product selections. Throughout the guide specification, there are Specifier Notes to assist in the editing of the file. The term Architect is used throughout these guide specifications and may be revised to read "Design Professional", "Engineer", "Owner" or other appropriate designation as required for specific projects.

References have been made within the text of the specification to MasterFormat 2004 Section numbers and titles, specifier need to coordinate these numbers and titles with sections included for the specific project. Brackets [ ]; "AND/OR"; and "OR" have been used to indicate when a selection is required, in most cases the first option is the standard feature, and optional features are indicted in brackets. Some options may require additional lead-time; if this is a consideration; contact a JELD-WEN representative for assistance.)

**SECTION 08 52 00.00.CUSTOM  
WOOD WINDOWS**  
JELD-WEN® Custom Wood Windows

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Awning Windows
- B. Casement Windows
- C. Double-Hung Windows
- D. Horizontal Sliding Windows
- E. Radius and Geometric Windows

**(Specifier Note:** Direct-Set windows are fixed units. In-Sash windows are fixed or operable and come with hardware and screen options.)

- 1. Direct-Set
- 2. In-Sash

## 1.2 REFERENCES

### A. American Architectural Manufacturer Association (AAMA)

1. ANSI/AAMA/NWDA 101/I.S.2 /NAFS; Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors

*(Specifier Note: In applications where hurricane resistance is not required DELETE AAMA 506 reference.)*

2. AAMA 506; Voluntary Specifications for Hurricane and Impact and Cycle Testing of Fenestration Products

### B. ASTM International

*(Specifier Note: In applications where hurricane resistance is not required DELETE ASTM E 1886 and E 1996 references.)*

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; Solar Heat Gain Coefficient and Visible Transmittance

*(Specifier Note: DELETE Florida TAS information if project is not within the High Velocity Hurricane Zone)*

### D. South Florida Building Code Impact Test Procedures (Miami-Dade TAS)

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. Window & Door Manufacturers Association (WDMA)

1. WDMA I.S.4; Water Repellent Preservative Non-Pressure Treatment for Millwork

### 1.3 DESIGN REQUIREMENTS

- A. 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.

*(Specifier Note: Include window design pressure (DP) ratings as part of the performance requirements. Required DP will vary dependent on project site, the location in the building and window size. Coordinate DP with the Structural Engineer. DP ratings and related window size and style are available at [www.jeld-wen.com](http://www.jeld-wen.com) or by contacting a JELD-WEN representative.)*

- B. Structural Requirements – Provide windows capable of complying with requirements indicated:

1. Design pressure: [Insert value] [As indicated on drawings]

*(Specifier Note: DELETE Impact Resistance requirement if products will not be used in a high velocity hurricane zone or will be used in conjunction with another type of approved hurricane protection device.)*

- C. Impact (Windborne-Debris) Resistance

1. Windows capable of resisting impact from windborne debris, when tested in accordance with ASTM E1886, ASTM E1996, and AAMA 506.

#### **AND/OR**

2. Provide windows that have been tested in accordance with TAS 201, TAS 202, and TAS 203 and have received NOA from Miami-Dade Code Officials.

*(Specifier Note: Include NFRC ratings as part of the performance requirements. NFRC ratings qualifying for the Energy Star program are based on the performance of the whole window assembly. Qualifying windows vary to fit the needs of different regions throughout the country. NFRC ratings and related JELD-WEN window size and styles are available at [www.jeld-wen.com](http://www.jeld-wen.com) or by contacting a JELD-WEN representative.)*

- D. NFRC Requirements – Provide windows capable of complying with the following total window ratings:

1. U-Factor: [Insert value] in accordance with NFRC 100.
2. Solar Heat Gain Coefficient (SHGC): [Insert value] in accordance with NFRC 100.
3. Visible Transmittance (VT): [Insert value] in accordance with NFRC 200.

## 1.4 SUBMITTALS

- A. Refer to Section [01 33 00 Submittal Procedures] [Insert section number and title].
- B. Product Data: Submit window manufacturer current product literature, including installation instruction.
- C. Samples: Provide finish samples for all products.
- D. Quality Assurance Submittals

**(Specifier Note:** *DELETE Design Data, Test Reports submittal requirements when propriety specification is used and can be held. MAINTAIN Design Data, Test Reports submittal requirement when other products may be submitted as substitution.*)

- 1. Design Data, Test Reports: Provide manufacturer test reports indicating product compliance with indicated requirements.
  - 2. Manufacturer Instructions: Provide manufacturer's written installation instructions.
- E. Closeout Submittals
  - 1. Refer to Section [01 78 00 Closeout Submittals] [Insert section number and title].

## 1.5 QUALITY ASSURANCE

- A. Certifications
  - 1. WDMA Hallmark certification label indicating windows meet the design requirements.
- B. Mock-ups
  - 1. Window mock-up shall incorporate surrounding construction, including wall assembly fasteners, flashing, and other related accessories installed in accordance with window manufacturer's approved installation methods.
    - a. Mock-up size: [Insert size] [As indicated on drawings]
    - b. Mock-up may [not] remain as part of the work.
- C. Pre-installation Meeting
  - 1. Refer to Section [01 31 19 Project Meetings] [Insert section number and title].

## 1.6 DELIVERY, STORAGE AND HANDLING

- A. Refer to Section [01 60 00 Product Requirements] [Insert section number and title].
- B. Deliver windows materials and components in manufacturer's original, unopened, undamaged containers with identification labels intact.
- C. Store windows as recommended by manufacturer.

## 1.7 WARRANTY

- A. Refer to Section [01 78 36 Warranties] [Insert section number and title].

*(Specifier Note: DELETE warranty information not specific to project.)*

- B. Manufacturer standard warranty indicating that the window will be free from material and workmanship defects from the date of substantial completion for the time periods indicated below:

- 1. Window Unit: 20 years

*(Specifier Note: SELECT warranty associated with the glazing types specified. Specialty Glazing includes patterned and textured glass. Insulated glass that incorporates a specialty glass may be eligible for an extended warranty, but requires input from the manufacturer. Contact a JELD-WEN representative to discuss design options and their effect on the warranty. )*

- 2. Glazing:

- a. Insulated Glass: 20 years against seal breakage
- b. [Laminated Glass] [Hurricane Glass] [Specialty Glazing]: 5 years against delamination

## PART 2 - PRODUCTS

**(Specifier Note: Product Information is proprietary to JELD-WEN. If additional products are required for competitive procurement, contact JELD-WEN for assistance in listing competitive products that may be available.)**

### 2.1 MANUFACTURER

- A. JELD-WEN Windows and Doors; 3250 Lakeport Blvd. P.O. Box 1329; Klamath Falls, OR 97601-0268, USA; Phone 541.885.7412, fax 541.884.3331; Toll free 800.535. 3936; website [www.jeld-wen.com](http://www.jeld-wen.com)
- B. Basis of Design: Windows are based on the JELD-WEN's Custom Wood Windows.

### 2.2 MATERIALS

**(Specifier Note: AuraLast™ is a trademark preservative treatment by JELD-WEN and is distinguished from traditional preservation methods by its minimum treatment penetration of 92%.)**

- A. Exterior Wood: Western Pine, preservative treated with AuraLast® in accordance with WDMA I.S.4.
- B. Interior Wood: Western Pine

### 2.3 MANUFACTURED UNITS

- A. Frame
  - 1. Select kiln-dried pine AuraLast® treated wood
  - 2. Jamb Width: 4-9/16 inch (116 mm)
- B. Sash
  - 1. Select kiln-dried pine AuraLast® treated wood
  - 2. Sash Thickness: *[awning/casement/radius and geometric in-sash windows: 2-3/32 inch (53 mm)] [double hung/horizontal sliding: 1-7/16 inch (37mm)]*
- C. Exterior Trim
  - 1. Sill: *[standard: Subsill] [option: Extended Sill Nose]*

**(Specifier Note: MAINTAIN casing when construction conditions or aesthetics require inclusion. Utilize the following trims for indicated applications - Brickmould in**

conjunction with masonry veneers; Flat Casing for narrow, and Adams Casing for medium aesthetic conditions.)

2. Casing: [standard: Brickmould] [options: [[3-1/2 inch (88.9 mm)] [4-1/2 inch (XX mm)] [5-1/2 inch (XX mm)] Flat Casing] [Adams Casing]]

**(Specifier Note: DELETE Mull Cap when window layout does not require units to be joined (mulled) together at the factory.)**

3. Mull Cap: [standard: ½ inch wide] [options: [1 inch] [2 inch] [3-1/2 inch] [6 inch] wide]

D. Factory Applied Extension Jamb: Provide on four sides of frame interior.

**(Specifier Note: DELETE jamb extensions for window styles not project specific or when construction does not require extension.)**

1. Awning: [4/4 up to 9-1/8 inch] [5/4 for up to 13-11/16 inch]
2. Casement: [4/4 up to 9-1/8 inch] [5/4 for up to 13-11/16 inch]
3. Double-Hung: 4/4 up to 9-1/8 inch
4. Horizontal Sliding: 4/4 up to 9-1/8 inch
5. Radius and Geometric: [4/4 up to 9-1/8 inch] [5/4 for up to 13-11/16 inch]

E. Weatherstripping

**(Specifier Note: DELETE weatherstripping for window styles not project specific.)**

1. [Awning Windows] [Casement Windows] [Radius and Geometric Windows]: Foam lined bulb seal between sash interior and frame with secondary leaf seal between sash edge and frame.
2. Double-Hung Windows: Concealed non-compression jamb liner forming compression seal with dual durometer bulb seal against sash stiles and between top and bottom rails of sash and frame, bulb seal between top rail and header and between sash meeting rails.
3. Horizontal Sliding Windows: Compression bulb seal at sash and foam filled vinyl at exterior sides and head jamb.

F. Hardware

**(Specifier Note: DELETE hardware for window styles not project specific. Specifier needs to carefully SELECT desired options, many have nested options throughout.)**

**(Specifier Note: Due to the corrosive nature of costal environments, SPECIFY stainless steel hardware (coastal option) for installations located within 2 miles of the coast.)**

**(Specifier Note:** *In applications where both operable and non-operable awning or casement windows are desired, to maintain the aesthetic profile specify "stationary" awning or casement units in Part 3 Schedule Article.)*

1. Awning Windows

- a. Hinges: Corrosion resistant [*coastal option: stainless*] steel
- b. Operator: [*standard: Lever Lock*] [*option: [coastal option: Stainless steel] [Steel] roto gear with heavy gauge scissor operating arm*]
- c. Lock: Concealed

**(Specifier Note:** *SELECT handle profile or an electric option to control operation of window. When operator is to be controlled electrically, coordinate electrical requirements with other disciplines. DELETE controls not project specific.)*

**OR**

- d. Handle Profile (*standard*): Manual Folding Crank
- e. Electric Options: [*Electrical Hardwired Motor*] [*Electrical Remote Control*]

**(Specifier Note:** *Additional options are available only for the electrical operators. DELETE if not electrically operated or options are not desired.)*

- 1) Features: [*Built-in thermostat*] [*Rain sensor*] [*Accessories input*] [*Settings memory*] [*Synchronous motor*]
- f. Finish: [*standard: [Chestnut Bronze] [Desert Sand] [White]*] [*options: [Antique Brass] [Brushed Chrome] [Brushed Nickel] [Polished Brass] [Polished Chrome] [Oil Rubbed Bronze] [Western Pewter]*]

2. Casement Windows

- a. Hinges: Corrosion resistant [*coastal option: stainless*] steel
- b. Operator: Hardened [*coastal option: stainless*] steel worm gears and dual action heavy gauge [*coastal option: stainless*] steel operating arm
- c. Lock: Concealed

**(Specifier Note:** *SELECT handle profile or an electric option to control operation of window. When operator is to be controlled electrically, coordinate electrical requirements with other disciplines. DELETE controls not project specific.)*

**OR**

- d. Handle Profile: [*standard: Manual Folding Crank*] [*options: [Round] [T-Handle]*]
- e. Electric Options: [*Electrical Hardwired Motor*] [*Electrical Remote Control*]

**(Specifier Note:** Additional options are available only for the electrical operators. DELETE if not electrically operated or options are not desired.)

- 1) Features: [Built-in thermostat] [Rain sensor] [Accessories input] [Settings memory] [Synchronous motor]
  - f. Finish: [standard: [Chestnut Bronze] [Desert Sand] [White]] [options: [Antique Brass] [Brushed Chrome] [Brushed Nickel] [Polished Brass] [Polished Chrome] [Oil Rubbed Bronze] [Western Pewter]]
3. Double-Hung Windows
- a. Balance: Concealed Block and Tackle
  - b. Sash Retainer: Recessed top and bottom
  - c. Lock: Cam Action
  - d. [option: Interior Sash Lift]
  - e. Finish: [standard: [Chestnut Bronze] [Desert Sand] [White]] [options: [Antique Brass] [Brushed Chrome] [Brushed Nickel] [Polished Brass] [Polished Chrome] [Oil Rubbed Bronze] [Western Pewter]]
4. Horizontal Sliding Windows
- a. Sliding System: Vinyl track and reduced friction buttons
  - b. Sash Pull: Surface mounted.
  - c. Sash Lock: Surface mounted, Cam Action
  - d. Finish: [standard: [White] [Chestnut Bronze] [Desert Sand]] [options: [Antique Brass] [Brushed Chrome] [Brushed Nickel] [Polished Brass] [Polished Chrome] [Oil Rubbed Bronze] [Western Pewter]]
5. Radius and Geometric In-Sash Windows
- a. Hinges: [Corrosion resistant [coastal option: stainless] steel] [operating radius and geometric sash only: Stainless steel leaf]
  - b. Operator: [Hardened steel worm gears and heavy gauge steel arm] [operating octagon only: Single arm pull scissor with roto handle]
  - c. Lock: Concealed

**(Specifier Note:** SELECT handle profile or an electric option to control operation of window. When operator is to be controlled electrically, coordinate electrical requirements with other disciplines. DELETE controls not project specific.)

**OR**

- d. Handle Profile (standard): Manual Folding Crank
- e. Electric Options: [Electrical Hardwired Motor] [Electrical Remote Control]]

**(Specifier Note:** Additional options are available only for the electrical operators. DELETE if not electrically operated or options are not desired.)

1) Features: [Built-in thermostat] [Rain sensor] [Accessories input]  
[Settings memory] [Synchronous motor]

f. Finish: [standard: [Chestnut Bronze] [Desert Sand] [White]] [options:  
[Antique Brass] [Brushed Chrome] [Brushed Nickel] [Polished Brass]  
[Polished Chrome] [Oil Rubbed Bronze] [Western Pewter]]

## G. Glazing

**(Specifier Note:** Various types of glass are available. The most common types have been included here. Contact a JELD-WEN representative when other options are required. DELETE glass not project specific.)

**(Specifier Note:** Reflective glare from glazing has been found to affect the beach nesting of turtles in coastal environments. Some governing authorities require the use of turtle glass which uses tinted glass to achieve an industry-approved, inside-to-outside visible light transmittance value of 45% or less (visible spectrum = 400 to 700 nanometers). Verify the requirements for turtle glass with local authorities in coastal environments.)

**(Specifier Note:** Laminated glass uses a vinyl interlayer to provide added security against impact, comfort with higher STC ratings and energy savings by blocking UV energy. Hurricane glass differs from laminated by a thicker vinyl interlayer. Specify hurricane glass over laminated when windborne debris impact resistance is required.)

1. Strength: [standard: Annealed] [options: [Hurricane Glass] [Laminated]  
[Tempered]

2. Insulated Glass (standard):

a. Two panes of glass utilizing [a continuous roll formed stainless steel]  
[for radius insulating glass only: an anodized rectangular] spacer and  
dual seal sealant.

b. Overall Nominal Thickness:

1) **(Specifier Note:** for awning, casement, and radius and  
geometric direct-set windows) 15/16 inch (238mm)

2) **(Specifier Note:** for double-hung, horizontal sliding, and radius  
and geometric in-sash) ¾ inch (19mm)

c. Type: [standard: Type 1- Clear] [options: [Type 2 – Tinted [Bronze]  
[Gray] [Green]] [Specialty Glass – [Obscure] [Glue Chip] [Narrow  
Reed] [Rain]]]

**(Specifier Note:** Low E is standard on all window units but may be deleted at the design professional's option. DELETE Coatings if not desired.)

d. Coatings: Low-E on surface 2

**(Specifier Note:** Argon option is only available with Low-E coating and cannot be used with capillary tubes.)

**(Specifier Note:** Installations at elevations above 4,000 feet Mean Sea Level require glazing known as High Altitude glazing with capillary tubes to equalize environmental stress.)

- e. Air Space: [Air] [Argon] [Air with capillary tubes]

**OR**

3. Monolithic Glass *(option)*:

- a. Overall Nominal Thickness: [1/8 inch to 1/4 inch] **(Specifier Note: for laminated or hurricane glass)** [3/8 inch to 1/2 inch]
- b. Type: [standard: Type 1- Clear] [options: [Type 2 – Tinted [Bronze] [Gray] [Green]] [Specialty Glass – [Obscure] [Glue Chip] [Narrow Reed] [Rain]]]

## 2.4 WINDOW ACCESSORIES

**(Specifier Note:** DELETE accessories for window styles not project specific.)

**(Specifier Note:** SELECT exterior insect screens for double-hung and horizontal sliding windows. SELECT interior insect screens for awning, casement and radius and geometric windows.)

A. Exterior Insect Screen

- 1. Material: Charcoal fiberglass screen cloth (18 by 16 mesh) set in painted roll formed aluminum frame
  - a. Frame Color: [Black Licorice] [Brilliant White] [Chestnut Bronze] [Desert Sand] [French Vanilla] [Hartford Green] [Heirloom White] [Hunter Green] [Mesa Red] [Redwood] [Sage Brown] [Smoke]

**OR**

B. Interior Insect Screen

**(Specifier Note:** DELETE screen material and finish not project specific.)

- 1. Material: Charcoal fiberglass screen cloth (18 by 16 mesh) set in painted roll formed aluminum frame.
  - a. Finish: [Bronze] [Champagne] [White]

**OR**

2. Material: Charcoal fiberglass screen cloth (18 by 16 mesh) set in wood veneer roll formed aluminum frame.
  - a. Finish: [Mahogany] [Pacific Coast Red Adler] [Ponderosa Pine] [Vertical Grain Douglas Fir]

C. Grilles

**(Specifier Note: Grilles are not available for textured glass. SELECT grilles, profiles, and width based on the desired aesthetic appearance of the window.)**

1. Simulated Divided Lites (SDL)
  - a. Exterior Muntins
    - 1) Material: Extruded aluminum permanently applied to exterior of insulating glass unit.

**(Specifier Note: SELECT profile based on desired aesthetics. Utilize bead stop for a flattened curve aesthetic and putty for a deeper, angular aesthetic.)**

- 2) Profile: [Bead Stop] [Putty]
- 3) Pattern: As selected by Architect
- 4) Width:
  - a) **(Specifier Note: for bead stop profile)** [7/8 inch (22mm)] [1-1/8 inch (28.5mm)] [1-3/8 inch (34.9mm)] [2-5/16 inch (59mm)] (for simulated double-hung checkrail)]

**OR**

- 2) **(Specifier Note: for putty profile)** [7/8 inch (22mm)] [1-1/8 inch (28.5mm)] [awning, casement, double-hung and radius and geometric in-sash units only: 1 inch Copper]

- 5) Finish: Match exterior finish

**(Specifier Note: Internal shadow bar will give the appearance of a true divided lite and is standard on all SDL units. Internal shadow bar may be deleted at the design professional's option. DELETE Internal Shadow Bar if not project specific.)**

- b. Internal Shadow Bar: [standard: Light Bronze] [option: Silver]
- c. Interior Muntins

- 1) Material: Clear pine permanently bonded to interior of insulating glass unit.
- 2) Profile: Match exterior muntin

**OR**

2. Full Surround Wood Grilles

- a. Material: Unfinished clear pine
- b. Profile: Modified OGEE
- c. Pattern: As selected by Architect
- d. Size: [7/8 inch (22mm)] [1-1/8 inch (28.5mm)] [1-3/8 inch (34.9mm)]

**OR**

3. Grilles Between the Glass (GBG)

- a. Material: Made of roll formed aluminum suspended within the air cavity.

*(Specifier Note: SELECT profile based on desired aesthetics. Utilize flat for a narrow aesthetic and contour for a wider aesthetic.)*

- b. Profile: [Flat] [Contour]
- c. Pattern: As selected by Architect
- d. Width:

1) *(Specifier Note: for flat profile)* [5/8 inch (22mm)]

**OR**

2) *(Specifier Note: for contour profile)* [23/32 inch (18.25mm)] [1 inch (25.4mm)]

- e. Finish: [Brilliant White] [Chestnut Brown] [Desert Sand] [French Vanilla] [Hartford Green] [Mesa Red]

*(Specifier Note: Precise Divided Lites are not available for radius and geometric direct set units.)*

4. Precise Divided Lites (PDL)

- a. Material: [Wood] [Extruded aluminum] permanently applied to exterior of insulating glass unit.
- b. Width: [3/4 inch (XX mm)] [1-1/2 inch (XX mm)]

2.5 CONSTRUCTION ACCESSORIES

*(Specifier Note: Construction Accessories compatible with windows and required installation may be specified in this section or in related sections. COORDINATE with related sections to not duplicate information.)*

A. Flashing

- 1. Refer to Section [04 20 00 Unit Masonry] [07 60 00 Flashing and Sheet Metal] [Insert section number and title].

B. Sealants

1. Refer to Section [07 92 00 Joint Sealants] [Insert section number and title].

**OR**

**(Specifier Note:** For sealants specified within this section list recommended products.)

2. Provide manufacturer recommended sealants maintain watertight conditions.
3. Products:
  - a. [Insert products and manufacturer]

2.6 FABRICATION

**(Specifier Note:** DELETE Fabrication for window styles not project specific.)

A. [Awning Windows] [Casement Windows]

1. Frame: Corner joints mechanically fastened.
2. Sash: Corner joints mortised-and-tenoned.
3. Glass: Mounted using silicone glazing compound on exterior and acrylic sealant on interior, secured with interior applied profiled wood stops.

B. [Double-Hung Windows] [Horizontal Sliding Windows]

1. Frame: Corner joints mechanically fastened.
2. Sash: Corner joints mortised-and-tenoned, glued and nailed from interior.
3. Glass: Mounted using silicone glazing compound on exterior, secured with interior applied profiled wood stops.

C. Radius and Geometric Direct Set Windows

1. Frame: Corner joints are mechanically fastened.
2. Glass: Mounted using silicone glazing compound on exterior then secured with interior applied profiled wood stops.

D. Radius and Geometric In-Sash Windows

1. Frame: Corner joints mechanically fastened.
2. Sash: Corner joints mortised-and-tenoned.

3. Glass: Mounted using silicone glazing compound on exterior and acrylic sealant on interior, secured with interior applied profiled wood stops.

## 2.7 FINISH

**(Specifier Note:** Window interior wood is left unfinished for field finishing unless indicated otherwise. **DELETE** finish options not project specific.)

### A. Interior:

1. [standard: Unfinished] [option: Primed]

**OR**

### 2. Pre-finished Options:

**OR**

- a. Paint: [Extra White] [Moderate White] [Natural Choice] [Pure white]

**OR**

- b. Stain: [Cherry] [Cordovan] [Fruitwood] [Wheat]

- c. Clear Lacquer

### B. Exterior:

1. [standard: Factory-applied latex primer] [option: Natural]

**AND**

**(Specifier Note:** SELECT a frame color AND a sash color when specifying the sash only color option.)

2. Pre-finished Sash Only Color Options: [Hand Rubbed Copper] [Natural Copper] [Speckled Patina]

## PART 3 - EXECUTION

### 3.1 GENERAL

- A. Install windows in accordance with manufacturer's installation guidelines and recommendations.

### 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. Form sheet metal sill pan in accordance with manufacturer's recommendations.
- B. Prepare windows for installation in accordance with manufacturer's recommendations.

### 3.4 INSTALLATION

**(Specifier Note: DELETE installation paragraphs not project specific.)**

- A. Insert window into rough opening *(for use on window units with exterior trim)*:
  - 1. Shim side jambs straight.
  - 2. Inspect window for square, level and plumb.
  - 3. Fasten window through exterior trim around entire window.
  - 4. Test and adjust for smooth operation of window.
  - 5. Set all nails below wood surface.
- B. Insert window into rough opening *(for use on window units without exterior trim)*:
  - 1. Shim side jambs straight.
  - 2. Inspect window for square, level and plumb.
  - 3. Fasten window through jamb, shim and into rough opening jamb.
  - 4. Test and adjust for smooth operation of window.
  - 5. Set all nails below wood surface.
  - 6. Ensure seal between sill pan and inside face of windowsill.
  - 7. Install backer rod and sealant at exterior jambs and head.
  - 8. Apply backer rod and sealant on exterior below sill. Leave gaps for drainage.
  - 9. Seal interior joints between rough opening and jambs with backer rod and sealant.

### 3.5 FIELD QUALITY CONTROL

- A. Manufacturers' Field Services: Field inspections.

### 3.6 CLEANING

- A. Remove Preserve® film from glass.
- B. Clean the exterior surface and glass with mild soap and water.

### 3.7 PROTECTION

- A. Protect installed windows from damage.

### 3.8 SCHEDULES

*(Specifier Note: Below are sample schedules that require editing for specific project. When a single type of window is utilized on a project, Specifier may elect to delete the schedule in its entirety. When Schedules are included on the drawings, schedule should be deleted from the specification.)*

#### A. Window Type A

- 1. Style: *Double Hung*
- 2. Operation: *Operable*
- 3. Size: *29 -7/8" x 49 -3/16"*
- 4. Exterior Finish: *Primed*
- 5. Interior Wood: *Western Pine*
- 6. Interior Finish: *Pre-finished, Cherry Stain*
- 7. Exterior Trim: *standard*
- 8. Mull Cap: *1/2 inch*
- 9. Extension Jamb: *7 3/4"*
- 10. Hardware: *Standard, Interior Lift Sash*
- 11. Hardware Finish: *Desert Sand*
- 12. Glazing: *Standard, Tempered, Low-E with Argon*
- 13. Grilles: *GBG, 5/8" Flat Profile*
- 14. Insect Screen: *Yes*
- 15. Screen Frame Finish: *Hartford Green*

#### B. Window Type B

- 1. Style: *Casement*
- 2. Operation: *Stationary*
- 3. Size: *24 x 30*
- 4. Exterior Finish: *unfinished*
- 5. Interior Wood: *Western Pine*
- 6. Interior Finish: *Pre-finished, Cherry Stain*
- 7. Exterior Trim: *Adams Casing*
- 8. Mull Cap: *2 inch*
- 9. Extension Jamb: *7 3/4"*
- 10. Hardware: *Manual folding crank, Concealed Lock*
- 11. Hardware Finish: *Brushed Nickel*

- 12. Glazing: *standard, Type 2 – Gray Tinted, Tempered*
- 13. Grilles: *SDL 7/8 inch Bead Stop profile, silver shadow bar*
- 14. Insect Screen: *Yes*
- 15. Screen Frame Finish: *Wood veneer frame, Pacific Coast Red Alder:*

END OF SECTION