

## ANN ARBOR HISTORIC DISTRICT COMMISSION

### Staff Report

**ADDRESS:** 335 S Seventh Street, Application Number HDC19-086

**DISTRICT:** Old West Side Historic District

**REPORT DATE:** June 13, 2019

**REPORT PREPARED BY:** Jill Thacher, Historic Preservation Coordinator

**REVIEW COMMITTEE DATE:** June 10, 2019

	<b>OWNER</b>	<b>APPLICANT</b>
<b>Name:</b>	Kerry Hulsing	James Bevilacqua Meadowlark Builders
<b>Address:</b>	335 S Seventh St Ann Arbor, MI 48103	3250 West Liberty Ann Arbor, MI 48103
<b>Phone:</b>	(734) 239-4574	(917) 822-0108

**BACKGROUND:** This one-and-a-half story gable-fronter features a full-width front porch with turned posts and balusters, narrow clapboards and distinctive window trim. A large rear addition was built before the existence of the OWSHD. It first appears in the 1894 City Directory as number 33, the home of laborer Charles Marquardt.

**LOCATION:** The site is located on the east side of South Seventh, one house north of West Liberty.

**APPLICATION:** The applicant seeks HDC approval to replace non-original clad windows with fiberglass-clad wood windows; install three new fiberglass-clad wood windows in new openings on a modern rear addition; and move one original window opening on the south elevation approximately 6' forward to accommodate a new interior stair.

#### **APPLICABLE REGULATIONS:**

##### **From the Secretary of the Interior's Standards for Rehabilitation:**

- (2) The historic character of a property will be retained and preserved. The removal of distinctive materials or alteration of features, spaces, and spatial relationships that characterize a property will be avoided.



- (5) Distinctive materials, features, finishes, and construction techniques or examples of craftsmanship that characterize a property will be preserved.
- (9) New additions, exterior alterations, or related new construction shall not destroy historic materials that characterize the property. The new work shall be differentiated from the old and shall be compatible with the massing, size, scale, and architectural features to protect the historic integrity of the property and its environment.

**From the Secretary of the Interior's Guidelines for Rehabilitating Historic Buildings (other SOI Guidelines may also apply):**

**Building Site**

Recommended: Identifying, retaining, and preserving buildings and their features as well as features of the site that are important in defining its overall historic character.

Not Recommended: Introducing new construction onto the building site which is visually incompatible in terms of size, scale, design, materials, color and texture or which destroys historic relationships on the site.

Removing or radically changing buildings and their features or site features which are important in defining the overall historic character of the building site so that, as a result, the character is diminished.

**Windows**

Recommended: Designing and installing additional windows on rear or other non-character-defining elevations if required by the new use. New window openings may also be cut into exposed party walls. Such design should be compatible with the overall design of the building, but not duplicate the fenestration pattern and detailing of a character-defining elevation.

**From the Ann Arbor Historic District Design Guidelines (other Guidelines may apply):**

**Windows**

Not Appropriate: Removing or radically changing a window that is important in defining the overall historic character of the property.

Changing the number, location, and size or glazing pattern of windows by cutting new openings, blocking-in, or installing replacement sash that does not fit the historic opening.

**STAFF FINDINGS:**

1. A summary of work is provided on sheet A0.04 of the application packet. The work on the large rear addition -- adding, moving, and replacing windows -- does not detract from the historic portion of the house, and staff believes it is appropriate. Similarly, replacing one second-floor street-facing non-original window with the same is appropriate.
2. On the south elevation of the original part of the house, an original opening near the rear

of the first floor is proposed to be moved forward about 6'. The non-original clad double-hung window would be replaced with the same. The window is proposed to move because an interior staircase at the front door is being pushed back farther to allow the front door to fully open. It is usually not appropriate to move a window, but the lack of an adequate stair landing and the solution to that problem (pushing back the stair, which would then interfere with the window) should be considered. The window trim is proposed to match the historic window trim, which staff finds acceptable since the window will retain its opening size and general location on the house.

3. Staff believes the proposal meets the standards and guidelines followed by the HDC, and recommends approval of the application.

## **MOTION**

I move that the Commission issue a certificate of appropriateness for the application at 335 S Seventh Street, a contributing property in the Old West Side Historic District, to replace, move, and install new windows as proposed. The work is compatible in exterior design, arrangement, materials, and relationship to the house and the surrounding area and meets *The Secretary of the Interior's Standards for Rehabilitation* and *Guidelines for Rehabilitating Historic Buildings*, in particular standards 2, 5, and 9, and the guidelines for building site and windows, as well as the *Ann Arbor Historic District Design Guidelines*, particularly as they pertain to windows.

**ATTACHMENTS:** application, photos, drawings, window information

335 S Seventh (2007 Survey Photo)





# HISTORIC DISTRICT COMMISSION

## PLANNING AND DEVELOPMENT SERVICES

City Hall: 301 E. Huron St. Ann Arbor, MI 48104-6120  
 Mailing: P.O. Box 8647, Ann Arbor, MI 48107-8647  
 Phone: 734.794.6265 ext. 42608 [ithacher@a2gov.org](mailto:ithacher@a2gov.org)  
 Fax: 734.994.8460

**APPLICATION MUST BE FILLED OUT COMPLETELY**

OFFICE USE ONLY	
Permit Number	HDC# <b>19-086</b>
	BLDG#
DATE STAMP	
<b>CITY OF ANN ARBOR RECEIVED</b>	
<b>MAY 24 2019</b>	
<b>PLANNING AND DEVELOPMENT SERVICES</b>	

### PROPERTY LOCATION/OWNER INFORMATION

NAME OF PROPERTY OWNER <b>KERRY HULSING</b>		HISTORIC DISTRICT <b>OLD WEST SIDE</b>
PROPERTY ADDRESS <b>325 S. 7th STREET</b>		CITY <b>ANN ARBOR</b>
ZIPCODE <b>48103</b>	DAYTIME PHONE NUMBER <b>(734) 239-4574</b>	EMAIL ADDRESS <b>Krrhlsing@gmail.com</b>
PROPERTY OWNER'S ADDRESS (IF DIFFERENT FROM ABOVE)		CITY STATE, ZIP

### PROPERTY OWNER'S SIGNATURE

<b>SIGN HERE</b>	<b>PRINT NAME</b> <b>Kerry Hulsing</b>	<b>DATE</b> <b>5/16/19</b>
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### APPLICANT INFORMATION

NAME OF APPLICANT (IF DIFFERENT FROM ABOVE) <b>JAMES BEVILACQUA, MEADOWLARK BUILDERS</b>			
ADDRESS OF APPLICANT <b>3250 WEST LIBERTY</b>			CITY <b>ANN ARBOR</b>
STATE <b>MI</b>	ZIPCODE <b>48103</b>	PHONE / CELL # <b>(917) 822-0108</b>	FAX No <b>( )</b>
EMAIL ADDRESS			

### APPLICANT'S SIGNATURE (if different from Property Owner)

<b>SIGN HERE</b>	<b>PRINT NAME</b> <b>JAMES BEVILACQUA</b>	<b>DATE</b> <b>5/23/19</b>
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### BUILDING USE - CHECK ALL THAT APPLY

<input checked="" type="checkbox"/> SINGLE FAMILY	<input type="checkbox"/> DUPLEX	<input type="checkbox"/> RENTAL	<input type="checkbox"/> MULTIPLE FAMILY	<input type="checkbox"/> COMMERCIAL	<input type="checkbox"/> INSTITUTIONAL
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### PROPOSED WORK

Describe in detail each proposed exterior alteration, improvement and/or repair (use additional paper, if necessary).

**WEST (FRONT) ELEVATION:** Replace existing non-original windows with new insulated windows of same size. **NORTH (SIDE) ELEVATION:** move non-original window and add window from South elevation in bedroom. Remove existing fixed window and add new mulled unit (3 windows) at new Kitchen location. **South (side) Elevation:** Move 1 window + add 2 bathroom windows.

### DESCRIBE CONDITIONS THAT JUSTIFY THE PROPOSED CHANGES:

The current main stair does not allow the front door to fully open and the current Kitchen has inadequate counter space, both of which are safety concerns. Moving the stair and Kitchen and additional remodel of Master Bath and Powder Room are the reasons for the requested changes in window locations. Other non-original windows to be replaced are leaking and underperforming.

For Further Assistance With Required Attachments, please visit [www.a2gov.org/hdc](http://www.a2gov.org/hdc)

G:\Community Services\CSA Shared\Planning & Development\Permit Application Forms

**APPLICATION CONTINUED ON OTHER SIDE**



# HISTORIC DISTRICT COMMISSION APPLICATION

## FEE CHART

DESCRIPTION	
STAFF REVIEW FEES	FEE
Application for Staff Approval	\$35.00
Work started without approvals	Additional \$50.00
HISTORIC DISTRICT COMMISSION FEES	
All other proposed work not listed below	\$100.00
Work started without approvals	Additional \$250.00
RESIDENTIAL – Single and 2-story Structure	
Addition: single story	\$300.00
Addition: taller than single story	\$550.00
New Structure - Accessory	\$100.00
New Structure – Principal	\$850.00
Replacement of single and 2-family window(s)	\$100 + \$25/window
COMMERCIAL – includes multi-family (3 or more unit) structures	
Additions	\$700.00
Replacement of multi-family and commercial window (s)	\$100 + \$50/window
Replacement of commercial storefront	\$250.00
DEMOLITION and RELOCATION	
Demolition of a contributing structure	\$1000.0
Demolition of a non-contributing structure	\$250.00
Relocation of a contributing structure	\$750.00
Relocation of a non-contributing structure	\$250.00

### FOR COMMISSION REVIEWS:

- Application withdrawals made before public notice is published will qualify for a 50% refund of the application fee.
- Application withdrawals made after public notice is sent but before the public hearing will qualify for a 25% refund of the application fee.

## INSTRUCTIONS FOR SUBMITTING APPLICATIONS

All HDC applications must be signed by the property owner and the applicant, if different, with the exception of staff approvals, which may be signed by only the applicant.

All completed HDC applications and their attachments may be submitted to Planning and Development Services by mail, in person (paper or digital), faxed, or via email to [building@a2gov.org](mailto:building@a2gov.org).

We accept CASH, CHECK, and all major credit cards. Checks should be made payable to "City of Ann Arbor"

HDC applications that are incomplete or not submitted with the required documentation or payment will not be processed or approved.

## APPLICATION EXPIRATION

HDC applications expire three (3) years after the date of approval.

## OFFICE USE ONLY

Date of Hearing:		
Action	<input type="checkbox"/> HDC COA	<input type="checkbox"/> HDC Denial
	<input type="checkbox"/> HDC NTP	<input type="checkbox"/> Staff COA
Staff Signature		
Comments		
Fee:	\$ <u>\$100 -</u>	
Payment Type	<input type="checkbox"/> Check: # _____ <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Credit Card <span style="margin-left: 20px;">9018</span>	

**HULSING RESIDENCE  
INTERIOR REMODEL - HDC REVIEW  
335 S. SEVENTH STREET  
ANN ARBOR, MI 48103**

**DESCRIPTION OF PROPOSED DESIGN:**

THE PROPOSED INTERIOR REMODEL IS INTENDED TO PROVIDE A MORE FUNCTIONAL MAIN FLOOR AND CONNECTION TO ADJACENT FLOORS. THE PROPOSED INTERIOR REMODEL WILL CREATE A MORE OPEN, USABLE KITCHEN, WITH EASY ACCESS TO THE BASEMENT AND THE ADJACENT POWDER ROOM. IN THE REAR, A NEW MASTER SUITE IS DESIGNED TO BE MORE FUNCTIONAL AND CONNECTED WITH ADJACENT MAIN FLOOR SPACES. ON THE EXTERIOR, THE PROPOSED DESIGN WILL MATCH EXISTING EXTERIOR TRIM, FINISHES AND WINDOW PROPORTIONS IN AN EFFORT TO MAINTAIN THE CHARACTER OF THE HOME.


**SUMMARY:**

- NEW KITCHEN
- NEW MASTER SUITE
- NEW MAIN FLOOR POWDER ROOM
- EXPANDED ENTRY/FOYER
- NEW STAIRS BETWEEN MAIN & SECOND FLOOR / MAIN FLOOR & BASEMENT

ID	DESCRIPTION
A0.01	Cover Sheet
A0.02	Existing Photos
A0.03	Existing Photos
A0.04	Window Summary
EC.01	Main Floor Plan - Existing
A1.01	Main Floor Plan - Proposed
A2.01	North Elevation - Existing
A2.02	North Elevation - Proposed
A2.03	East Elevation - Existing
A2.04	South Elevation - Existing
A2.05	South Elevation - Proposed

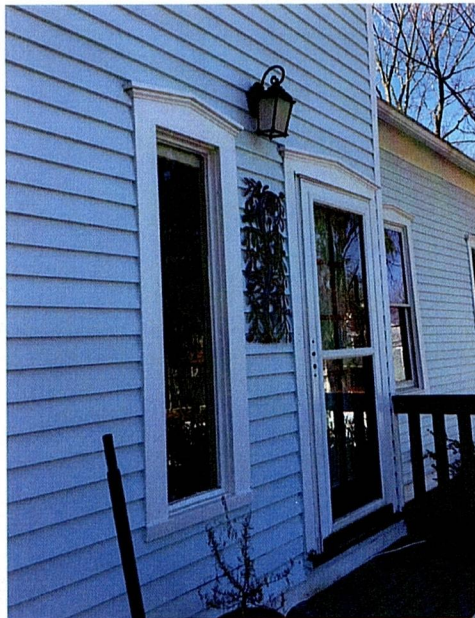
**NORTH ELEVATION:** SEE DRAWINGS FOR PROPOSED CHANGES  
**EAST ELEVATION:** NO CHANGE  
**SOUTH ELEVATION:** SEE DRAWINGS FOR PROPOSED CHANGES  
**WEST ELEVATION:** SEE DRAWINGS FOR PROPOSED CHANGES

**NOT FOR CONSTRUCTION**

 <b>MEADOWLARK</b> <small>3250 West Liberty Ann Arbor, MI 48103 Office: (734) 332-1500</small>				
<b>KERRY HULSING 335 S. SEVENTH ST ANN ARBOR, MI 48103 DATE: 5/24/19</b>				
<b>Cover Sheet</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; vertical-align: middle;"> <small>PROJECT #: HULS19007</small> </td> <td style="text-align: center; vertical-align: middle;"> <small>PROJECT STATUS: HDC</small> </td> <td style="text-align: center; vertical-align: middle;"> <small>PRINT DATE: 5/24/19</small> </td> </tr> </table>	<small>PROJECT #: HULS19007</small>	<small>PROJECT STATUS: HDC</small>	<small>PRINT DATE: 5/24/19</small>
<small>PROJECT #: HULS19007</small>	<small>PROJECT STATUS: HDC</small>	<small>PRINT DATE: 5/24/19</small>		
<b>A0.01</b>				



**EAST ELEVATION: NO CHANGE**



**NORTH ELEVATION:  
LOCATION OF NEW KITCHEN WINDOW**



**NORTH ELEVATION:  
NEW KITCHEN WINDOW AT THE REAR OF THE HOUSE, NEW WINDOW  
IN BEDROOM (MATCH EXISTING SIZE AND STYLE OF EXISTING)**

**NOT FOR CONSTRUCTION**



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**KERRY HULSING  
335 S. SEVENTH ST  
ANN ARBOR, MI 48103  
DATE: 5/24/19**

**Existing Photos**

PROJECT DATE:  
5/24/19

PROJECT STATUS:  
HDC

PROJECT #:  
HULS19007

**A0.02**





**WEST ELEVATION (STREET FACING):**  
 NEW FIXED, DOUBLE-PANE WINDOWS IN LOCATION  
 OF EXISTING 2ND FLOOR ANGLED AWNING WINDOWS



**MATCH EXISTING WINDOW  
 HEAD AND SIDE CASING  
 FOR ALL NEW WINDOWS**



**SOUTH ELEVATION (LOOKING WEST):**  
 NEW WINDOWS AT REAR OF HOUSE,  
 NEW TEMPERED WINDOW IN ENTRY TO  
 MATCH EXISTING KITCHEN WINDOW



**SOUTH ELEVATION (LOOKING EAST):**  
 NEW WINDOWS AT REAR OF HOUSE,  
 NEW TEMPERED WINDOW IN ENTRY TO  
 MATCH EXISTING KITCHEN WINDOW



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 HDC

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 5/24/19

**A0.03**

**NOT FOR CONSTRUCTION**

**SUMMARY OF NEW WINDOWS**

ALL NEW OPERATING WINDOWS TO BE MARVIN INTEGRITY WOOD/ULTREX DOUBLE-HUNG, FULL-FRAME WINDOWS. NEW FIXED WINDOWS ON SECOND FLOOR TO BE CUSTOM SIZED MARVIN INTEGRITY WOOD/ULTREX PICTURE WINDOWS.

**NEW WINDOWS IN NEW OPENINGS**

**ROOM: KITCHEN (NORTH ELEVATION)**

STYLE: DOUBLE-HUNG / PICTURE / DOUBLE HUNG

FRAME: PULTRUDED REINFORCED FIBERGLASS EXTERIOR / CLEAR PINE INTERIOR

DIMENSIONS: 6'-0" W x 3'-3 3/4" H (CUSTOM ASSEMBLY)

**ROOM: MASTER BATH (SOUTH ELEVATION)**

STYLE: DOUBLE-HUNG

FRAME: PULTRUDED REINFORCED FIBERGLASS EXTERIOR / CLEAR PINE INTERIOR

DIMENSIONS: 1'-9 1/2" W x 3'-3 3/4" H (ITDH2240)

**ROOM: POWDER ROOM (SOUTH ELEVATION)**

STYLE: DOUBLE-HUNG

FRAME: PULTRUDED REINFORCED FIBERGLASS EXTERIOR / CLEAR PINE INTERIOR

DIMENSIONS: 1'-9 1/2" W x 3'-3 3/4" H (ITDH2240)

**ROOM: ENTRY (SOUTH ELEVATION)**

STYLE: DOUBLE-HUNG

FRAME: PULTRUDED REINFORCED FIBERGLASS EXTERIOR / CLEAR PINE INTERIOR

DIMENSIONS: 2'-7 1/2" W x 6'-3 3/4" H (ITDH3276 E)

**REPLACING NON-ORIGINAL WINDOWS IN EXISTING OPENINGS**

**ROOM: BEDROOM (WEST ELEVATION)**

STYLE: DOUBLE-HUNG

FRAME: PULTRUDED REINFORCED FIBERGLASS EXTERIOR / CLEAR PINE INTERIOR

DIMENSIONS: 2'-7 1/2" W x 3'-11 3/4" H (ITDH3248)

**ROOM: LOFT (WEST ELEVATION)**

STYLE: DIRECT GLAZE POLYGON W/ CHECK RAIL

FRAME: PULTRUDED REINFORCED FIBERGLASS EXTERIOR / CLEAR PINE INTERIOR

DIMENSIONS: MATCH EXISTING



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**ANN ARBOR, MI 48103**  
DATE: 5/24/19

**Window Summary**

PROJECT #:  
HULS19007

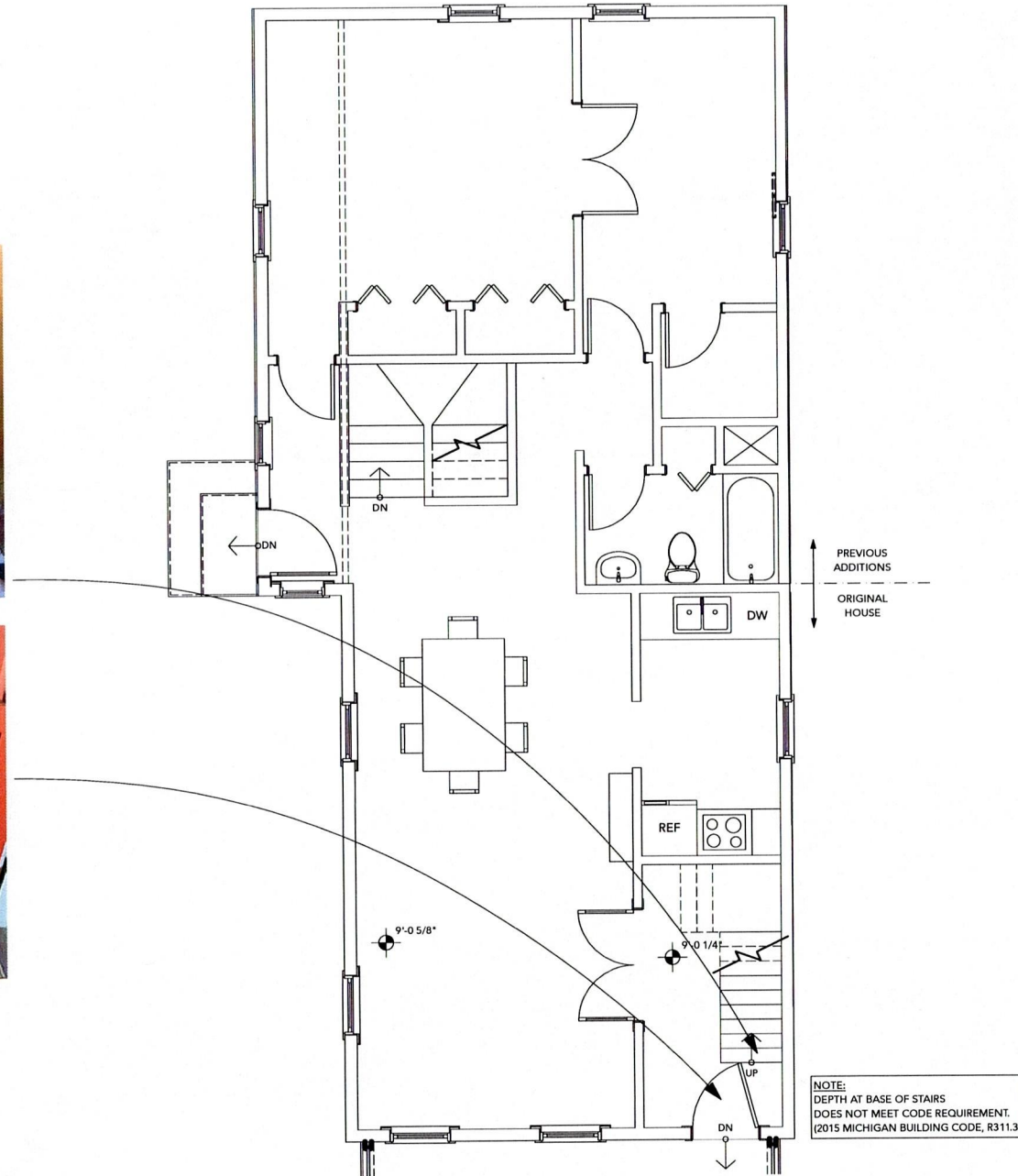
PROJECT STATUS:  
HDC

PRINT DATE:  
5/24/19

**A0.04**



36" ENTRY DOOR CANNOT FULLY OPEN



# Main Floor Plan - Existing

SCALE: 1/8" = 1'-0"

1



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DATE: 5/24/19

Main Floor Plan - Existing

PROJECT #:  
HULS19007

PROJECT STATUS:  
HDC

PRINT DATE:  
5/24/19

EC.01





# North Exterior Elevation - Existing

SCALE: 1/8" = 1'-0"

1

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North Elevation - Existing

PROJECT #: HULS19007  
PROJECT STATUS: HDC  
PRINT DATE: 5/24/19

A2.01

DATE: 5/24/19 /Volumes/Meadowlark/ML Projects/CURRENT PROJECTS/HULS19007/190514\_HULS19007\_SD.pln



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DATE: 5/24/19

North Elevation - Proposed

PROJECT #: HULS19007  
PROJECT STATUS: HDC  
PRINT DATE: 5/24/19

A2.02

DATE: 5/24/19 \Volumes\Meadowlark\ML Projects\CURRENT PROJECTS\HULS19007\190514\_HULS19007\_SD.pln



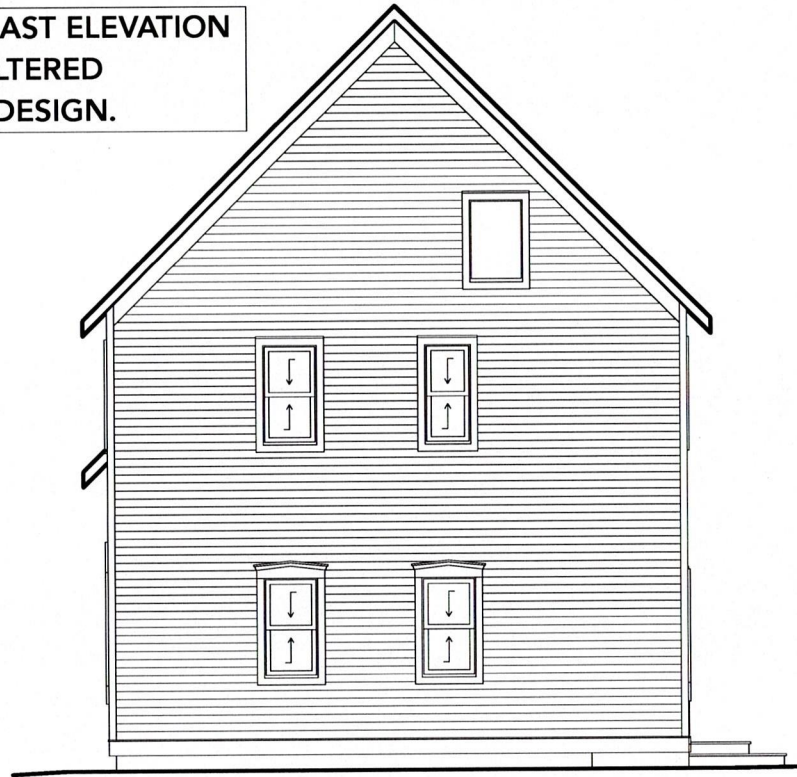
# North Exterior Elevation - Proposed

SCALE: 1/8" = 1'-0"

1

**NOT FOR CONSTRUCTION**

REAR FACING EAST ELEVATION  
WILL NOT BE ALTERED  
BY PROPOSED DESIGN.



East Exterior Elevation - Existing

SCALE: 1/8" = 1'-0"

1

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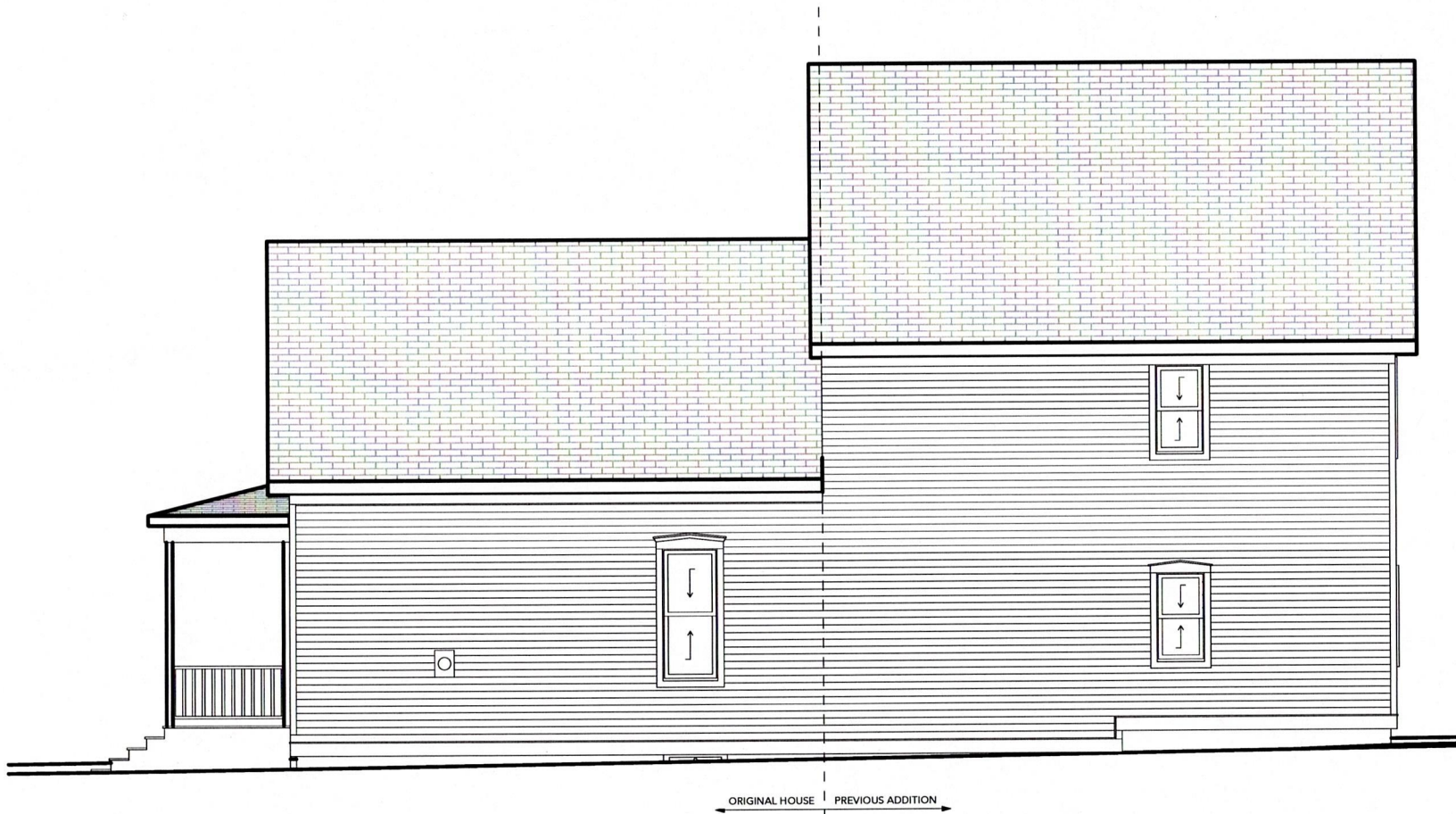
East Elevation - Existing

PROJECT #:  
HULS19007

PROJECT STATUS:  
HDC

PRINT DATE:  
5/24/19

A2.03



# South Exterior Elevation - Existing

SCALE: 1/8" = 1'-0"

1

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DATE: 5/24/19

South Elevation - Existing

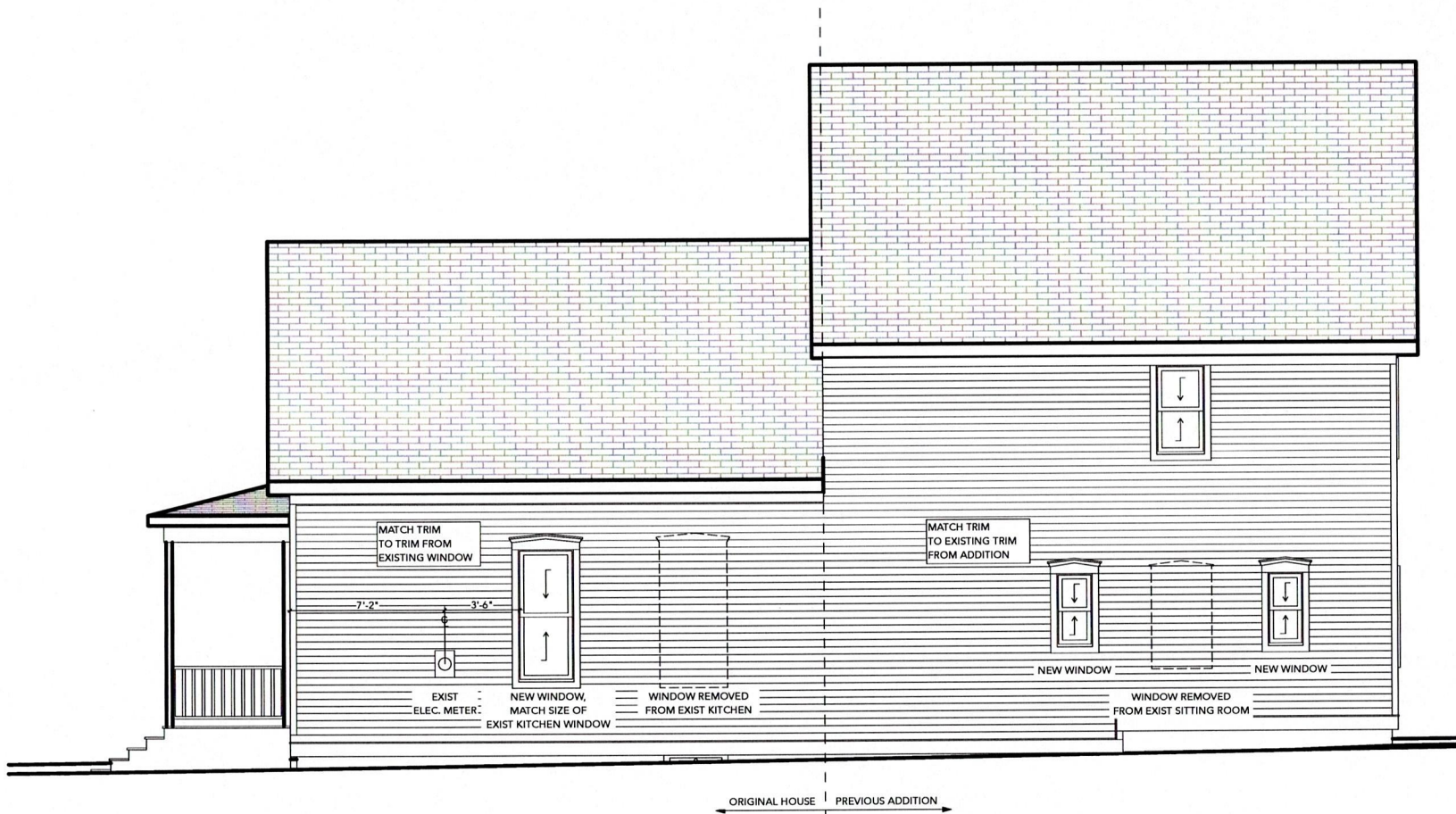
PROJECT #:  
HULS19007

PROJECT STATUS:  
HDC

PRINT DATE:  
5/24/19

A2.04





# South Exterior Elevation - Proposed

SCALE: 1/8" = 1'-0"

1

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South Elevation - Proposed

PROJECT #:  
HULS19007

PROJECT STATUS:  
HDC

PRINT DATE:  
5/24/19

A2.05

**NEW FIXED WINDOWS  
ON SECOND STORY  
OF STREET FACING WEST ELEVATION**



# West Exterior Elevation

SCALE: 1/8" = 1'-0"

1

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**West Elevation**

PROJECT #: HULS19007	PROJECT STATUS: HDC	PRINT DATE: 5/24/19
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**A2.06**

DATE: 5/24/19 /Volumes/Meadowlark/ML Projects/CURRENT PROJECTS/HULS19007/190514\_HULS19007\_SD.pln

# Wood-Ultrex Double Hung

## Unit Features

Integrity Wood-Ultrex Double Hung: ITDH

Integrity Wood-Ultrex Double Hung Picture: ITDHP

Integrity Wood-Ultrex Double Hung Transom: ITDHT

### Frame and Sash:

- The frame and sash exteriors are made of Ultrex® insert and meets all the requirements of AAMA 624-10.
- Exterior colors: Stone White, Pebble Gray, Bronze, Evergreen, Cashmere, or Ebony.
- The interior is non finger-jointed pine, kiln dried to a moisture content of 6-12% at time of fabrication. Water-repellent, preservative treated in accordance with WDMA I.S.4.
- Interior wood is available as Pine bare wood or factory-applied white, clear, and designer black interior finish.

#### Frame:

- Composite frame thickness is 1 9/16", (40). Frame width is 4 9/16", (116). Flat bottom sill with 13 degree bevel. Non finger-jointed pine interior frame liner is applied to all units. Ultrex is .075" (2) thick.

#### Sash:

- Composite sash thickness is 1 17/32" (39). Ultrex is .070" (2) thick.

### Jamb Extension:

- Optional 6 9/16" (167) and 6 13/16" (173) jamb extension available factory applied or in lineal lengths for field application. ADD 1/4" (6) to width and 1/8" (3) to height of frame, rough, and masonry opening sizes.

### Hardware:

- The balance system is a coil spring block and tackle system, with nylon cord and zinc locking shoe.
- Both sash tilt into the room for cleaning or removal for painting without removing the screen.
- High-pressure zinc die cast check rail lock and keeper.
- Lock employs a cam-lock mechanism.
  - Color: Almond Frost, White, or Matte Black. Optional Bright Brass, Oil Rubbed Bronze, and Satin Nickel.
- Each sash employs spring loaded tilt latches to allow for easy tilting of sash.
- On Impact units CN32 widths and wider, two locks are mounted.
- Optional factory applied Window Opening Control Device is available on all sizes. A system consisting of an acetal lever housed in an acetal shell on each stile of the top sash. This device works in accordance to ASTM F2090-10 standard specification for window fall prevention devices with emergency escape.
  - Color: White, Beige, and Black.

### Installation:

- Factory applied folding nailing fin and drip cap system
  - Optional installation brackets for masonry available
  - Optional through jamb installation method with brackets
  - Factory supplied field mulling kits are available for standard assemblies, or 30° and 45° Bay assemblies.
- Recommended method for Impact glazed units is installation clips and nailing fin.

## Unit Features Continued

### Glazing:

- Dual-pane units are manufactured with an 11/16" (17) IG with Low E1, E2, E3, or E3/ERS coatings including argon gas or air fill. Clear (uncoated) glass available with air fill only.
  - Tripane not available.
- Tempered glass and/or obscure glass, and California Fire glass (annealed exterior and tempered interior glazing configuration) are available as an option.
- All glass is of a select quality complying with ASTM C 1036.
- Insulating glass is manufactured and tested to pass level ASTM E 2190 and is IGCC certified.
- The glazing seal is a silicone bedding on both interior and exterior surfaces utilized in a sandwich style sash.
- STC/OITC values are available for standard 3.1/3.1 glass.
  - Optional 3.1/4.7 STC/OITC Upgrade glass is available. STC and OITC ratings are tested in accordance with ASTM E 90-09. See the Product Performance chapter for values.
- Decorative glass options include glue chip, rain, reed, narrow reed, frost, and tinted (bronze, gray, or green). Decorative glass is not available with Low E1, Low E3/ERS or STC/OITC Upgrade options.

### CE Glazing:

- Dual-pane units are manufactured with an 11/16" (17) IG with Low E2, E3, or E1 coatings including argon gas fill.
  - Tripane not available.
- Tempered glass is available as an option.
- CE marked IG units comply with EN 1279 and EN 12150 (fully tempered).
  - The glazing seal is a silicone bedding on both interior and exterior surfaces utilized in a sandwich style sash.
- CE glazing is available on operating double hung units up to CN4276.
  - Pictures and transoms are not available with CE mark. Bows and Bays are not available with CE mark

### Impact Glazing:

- Optional Impact Zone 3 available on selected sizes.
  - Zone 3 for winds up to 140 miles per hour.
- Glass is laminated insulated Low E2 or E3 Argon, consisting of annealed or tempered glass exterior and laminated glass interior.
- The laminated glass is comprised of two pieces of glass with either a SGP or PVB laminate layer between.
  - Interior and exterior glazing compound is silicone, in a sandwich style glazing system.
  - Not available with CE product.

### Weather Strip:

- All units are dual weather stripped.
- Frame and sash are weather stripped on all four sides with an extruded PVC bulb.
- Foam filled bulb is only on the frame, the sash has a hollow bulb.
- All weather strip is beige, black, or white in color.
- Robust fabric covered foam weather strip is used to seal the double hung jambs.
- Jamb carrier contains a secondary flexible hollow bulb.
- Blind stop seal between the header and upper sash.
- Check rail weather strip is a hollow bulb weather strip attached to bottom of sash, interfaces between sill and jamb weather strip.
- Flat foam gasket is used between the jamb and sill.

### Screen:

- Full screen is standard. Half-screen option is available.
- Roll formed aluminum frame with corner key construction
  - Color to match exterior frame color
- Charcoal color fiberglass (non-corrosive) screen cloth.
- Spring loaded pins for installation.
- A screen bar will be added when Frame OM (height) is equal to or greater than 47 1/2" (1207).

### Interior Jamb Cap:

- Units with Designer Black or White interior finishes are assembled with Interior Jamb Caps and use Jamb Liners with kerfs on the jambs and head jamb.
- Interior Jamb Caps are color matched to the interior finish.

## Wood-Ultrex Double Hung

### Unit Features Continued

#### Removable Interior Grilles:

- Bar: Pine wood, 3/4" (19)
- Available in Pine non finger-jointed wood or factory-applied white, clear, or designer black interior finish.
- Pattern: Standard rectangular pattern

#### Interior / Exterior Simulated Divided Lites (SDL):

- Interior bar: 7/8" (22) wide bars
  - Pine bare wood with optional white, clear, or designer black interior finish
- Exterior bar: 7/8" (22) wide bars Ultrex, finish to match exterior
  - Patterns available: Rectangle, Cottage style cut, 9 lite Prairie cut or 6 lite Prairie for top sash, bottom sash, or both.
- ITDHP Only: Simulated check rail option: 2 11/32" (60).
  - Patterns available: simulated rail in standard center or customer specified location with 7/8" (22) patterns above, below or both in patterns of rectangular equal lite or prairie lite cut.
- SDL is unavailable with rain, reed, and narrow reed decorative glass patterns. Glue chip pattern requires tempered glass. Available for tinted glass without spacer bars only.

#### Grilles-Between-The-Glass (GBG):

- 23/32" (18) contoured aluminum bar placed between two panes of glass
- Pattern: Standard rectangular pattern, 6 or 9 lite Prairie cut, or Cottage style cut
  - Exterior colors: Stone White, Pebble Gray, Bronze, Evergreen, Cashmere, or Ebony
  - Interior Colors: White, Bronze or Black
- GBGs are not available on Impact units or tinted glass.

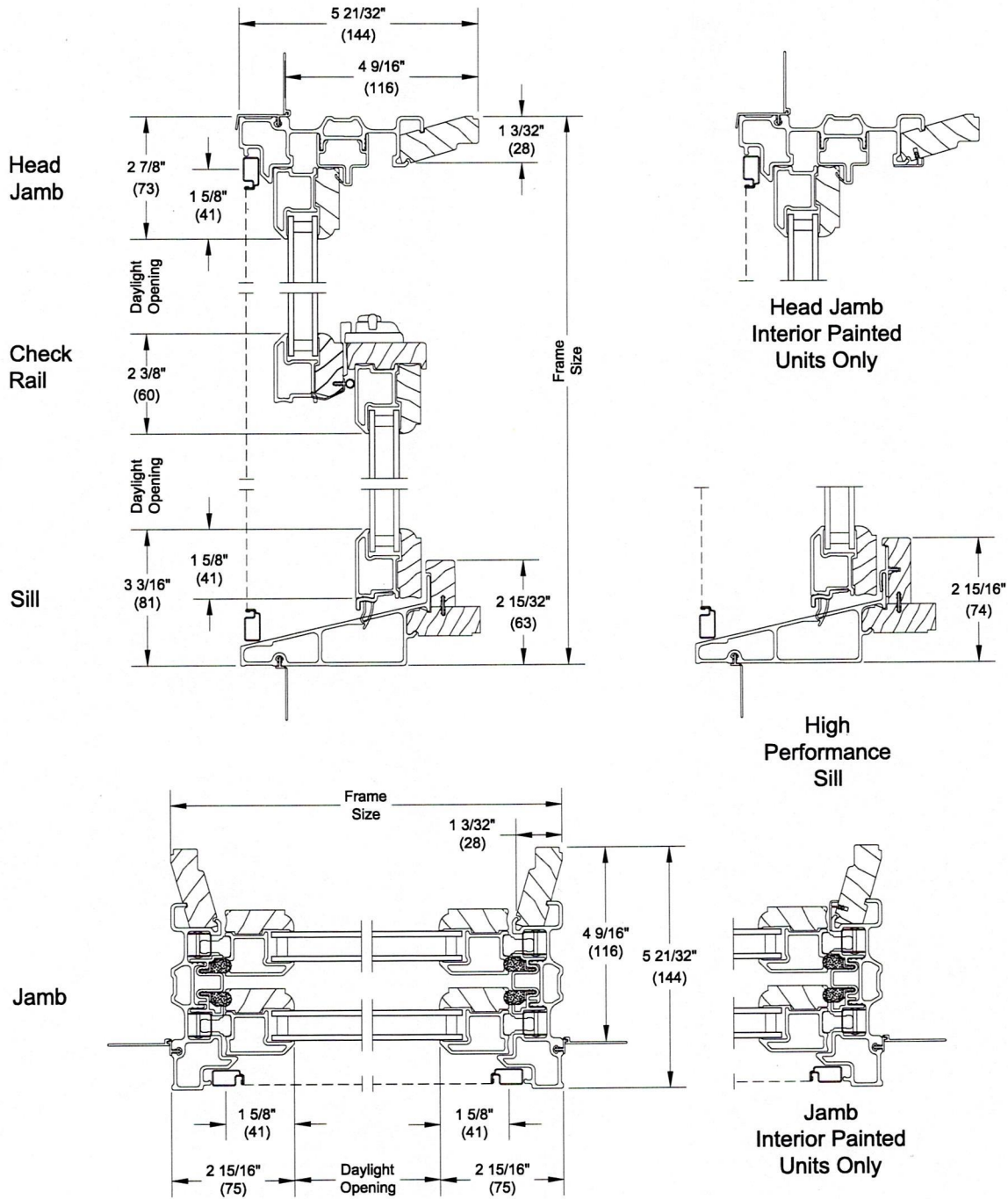
*NOTE: Direct Glaze Round Top with Wood Grilles, GBG, or SDL will only align with the default lite cut of the unit it is intended to be mulled with.*

*NFRC values are now located on [www.marvin.com](http://www.marvin.com).*

# Wood-Ultrex Double Hung

## Section Details: Operating - Double Hung (4 9/16" Jamb)

Scale: 3" = 1' 0"

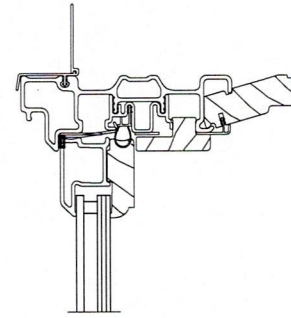
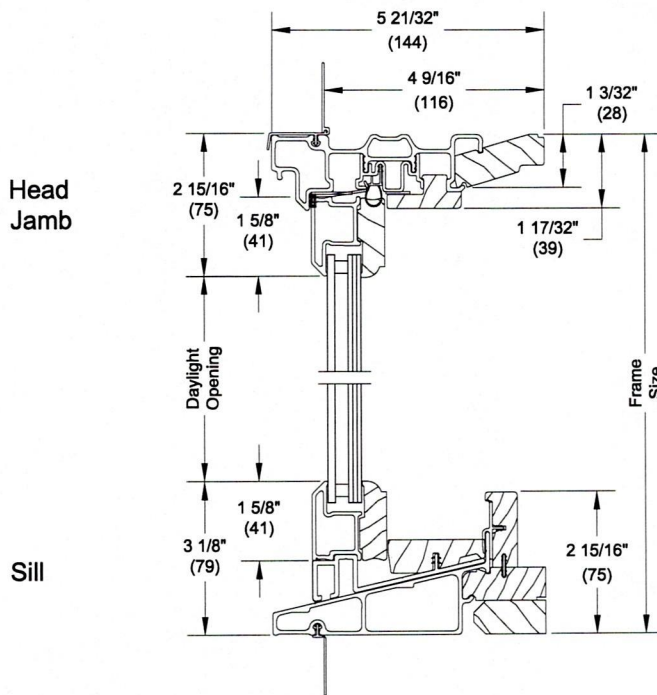


NOTE: CE is not available on High Performance or Impact units.

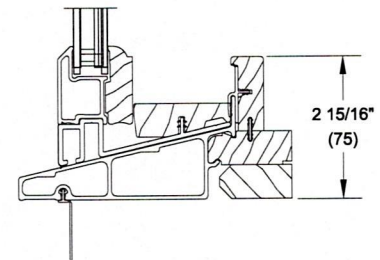
# Wood-Ultrex Double Hung

## Section Details: Double Hung Picture/Transom (4 9/16" Jambs) - Impact

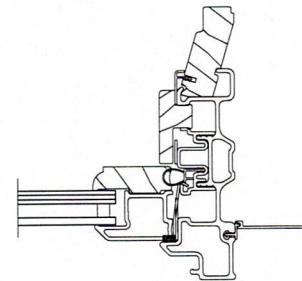
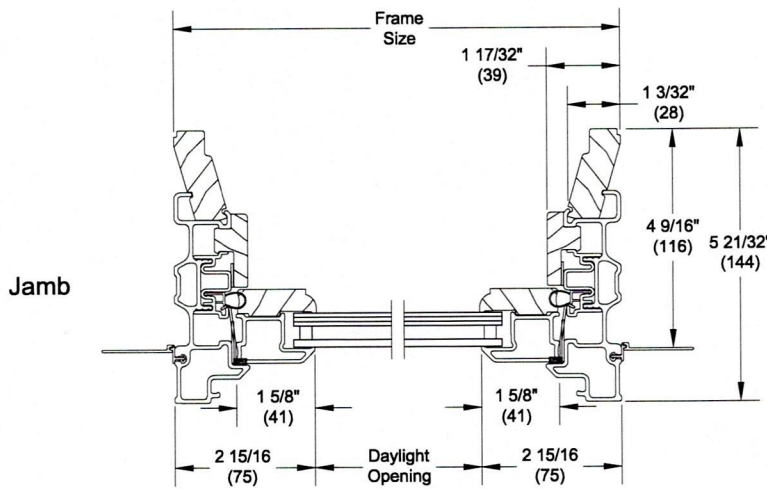
Scale: 3" = 1' 0"



Head Jamb  
 Interior Painted  
 Units Only



High  
 Performance  
 Sill



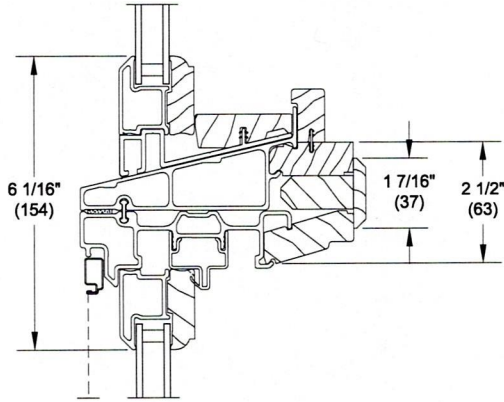
Jamb  
 Interior Painted  
 Units Only

NOTE: CE is not available on High Performance or Impact units.

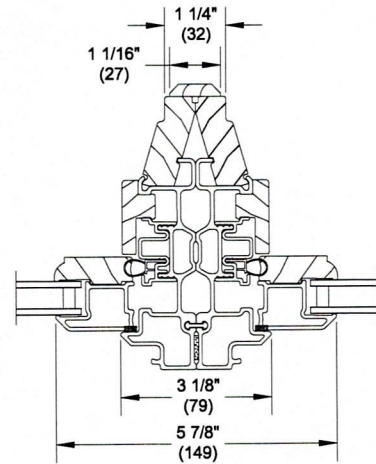
# Wood-Ultrex Double Hung

## Section Details: Mullions (Frame-to-Frame) - Double Hung

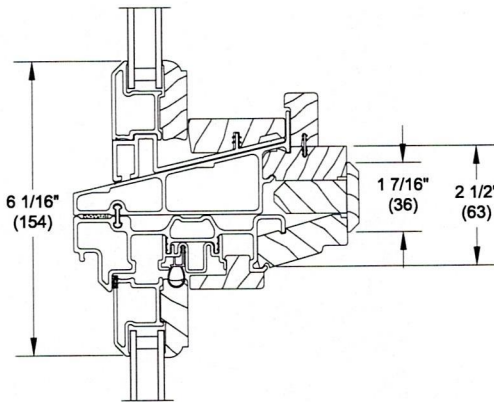
Scale: 3" = 1' 0"



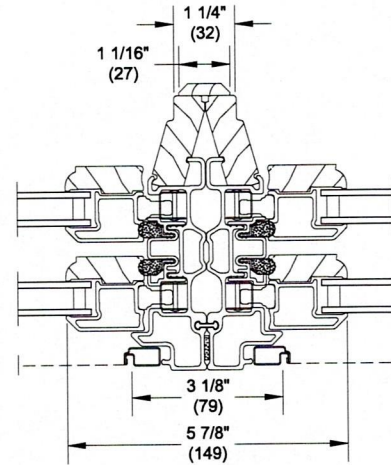
Horizontal Transom  
Over Operating Unit



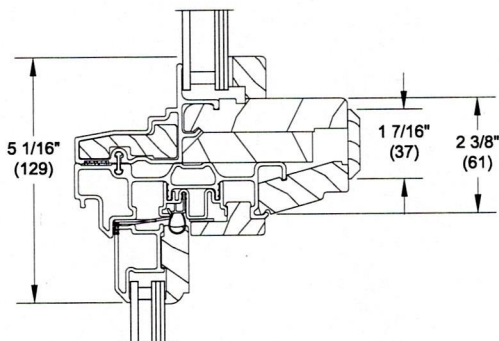
Vertical Picture Unit  
2 Wide



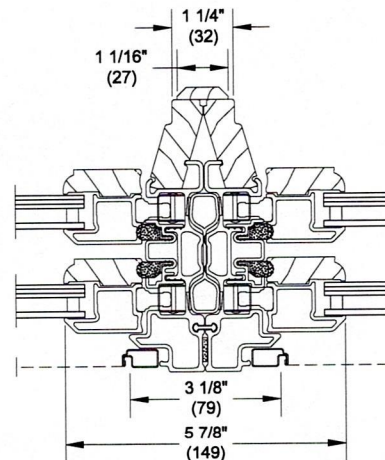
HORIZONTAL TRANSOM  
OVER PICTURE UNIT



Vertical Double Hung Units  
2 Wide



HORIZONTAL DG TRANSOM  
OVER PICTURE UNIT - IMPACT



Vertical Double Hung Units  
2 Wide - IMPACT

NOTE: IZ3 logo represents units that are certified for Impact glazing with a wind zone 3

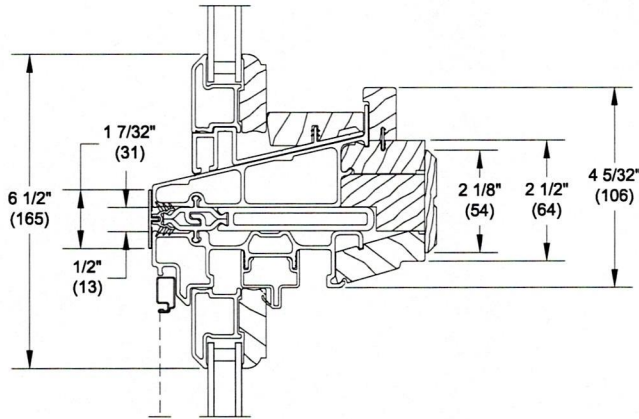
NOTE: CE Mark not available on mullied or Impact Products. Units shown do not have Interior Jamb Caps.



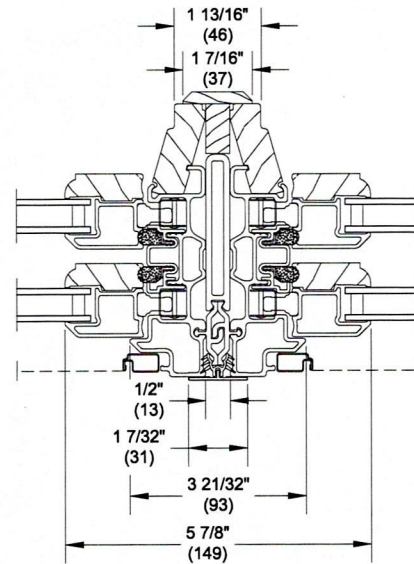
# Wood-Ultrex Double Hung

## Section Details: Mullions (1/2" MRF) - Double Hung

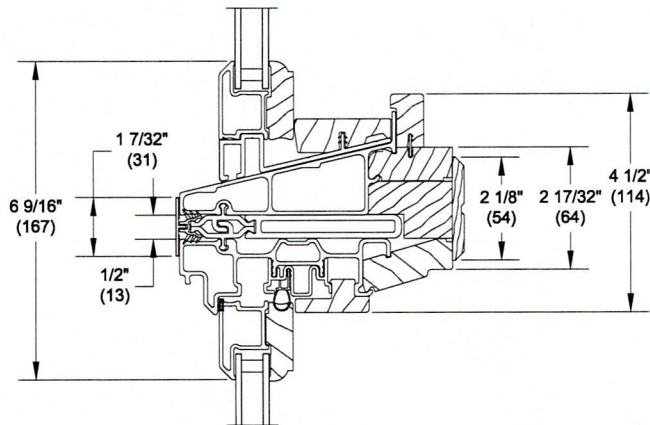
Scale: 3" = 1' 0"



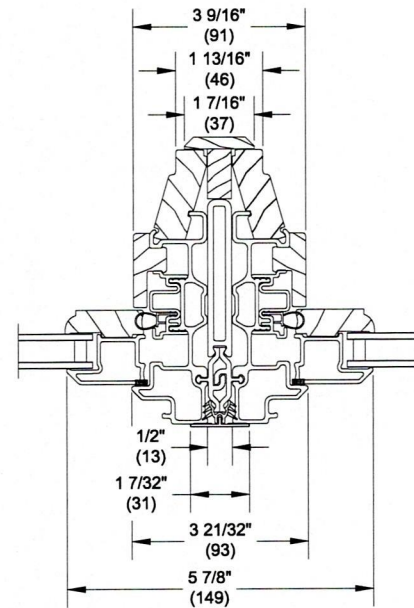
Horizontal Transom Over Operating Unit



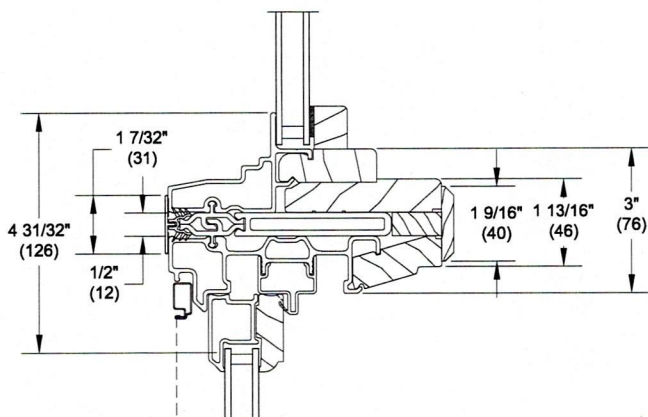
Vertical Double Hung Units 2 Wide



Horizontal Transom Over Picture Unit



Vertical Picture Unit 2 Wide



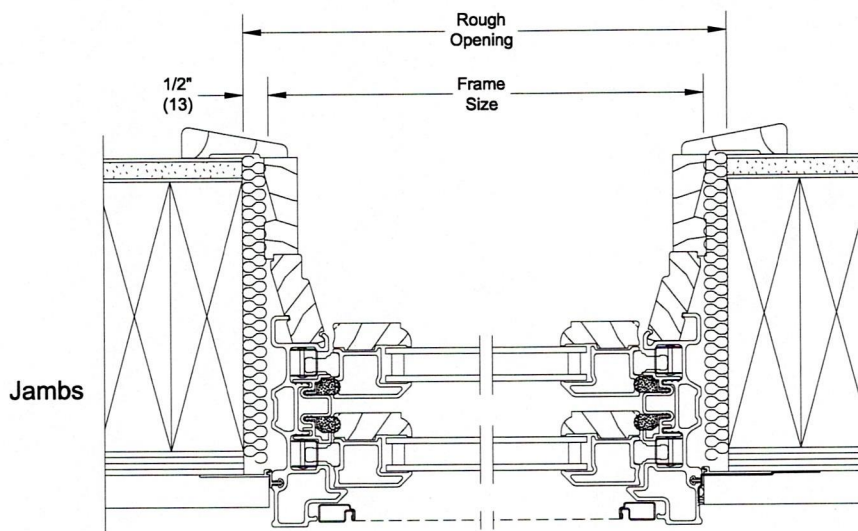
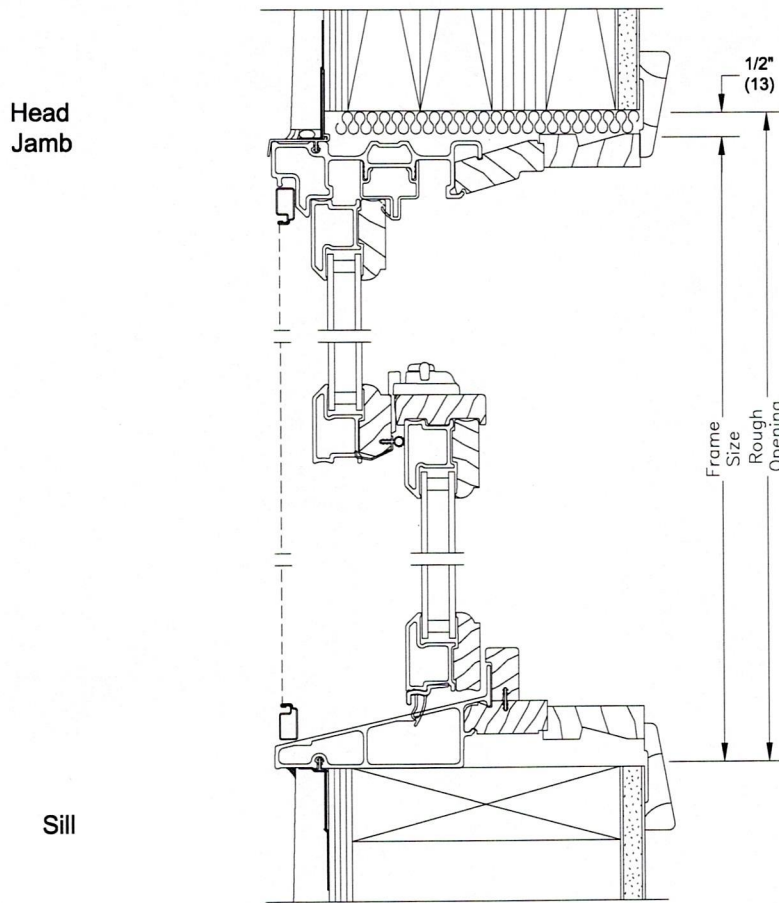
Horizontal DG Polygon Transom Over Operating Unit

NOTE: CE Mark not available on mullied or Impact Products. Units shown do not have Interior Jamb Caps.

# Wood-Ultrex Double Hung

## Section Details: Installation Suggestion - Wood Siding With 2x6 Frame Construction

Scale: 1 1/2" - 1' 0"



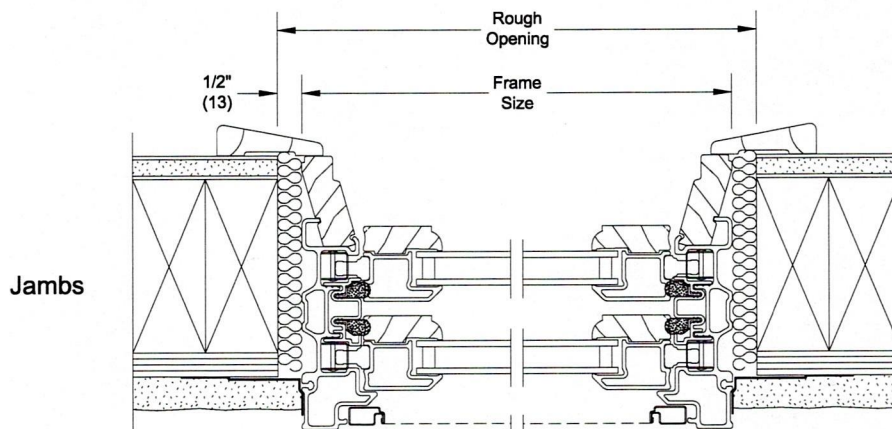
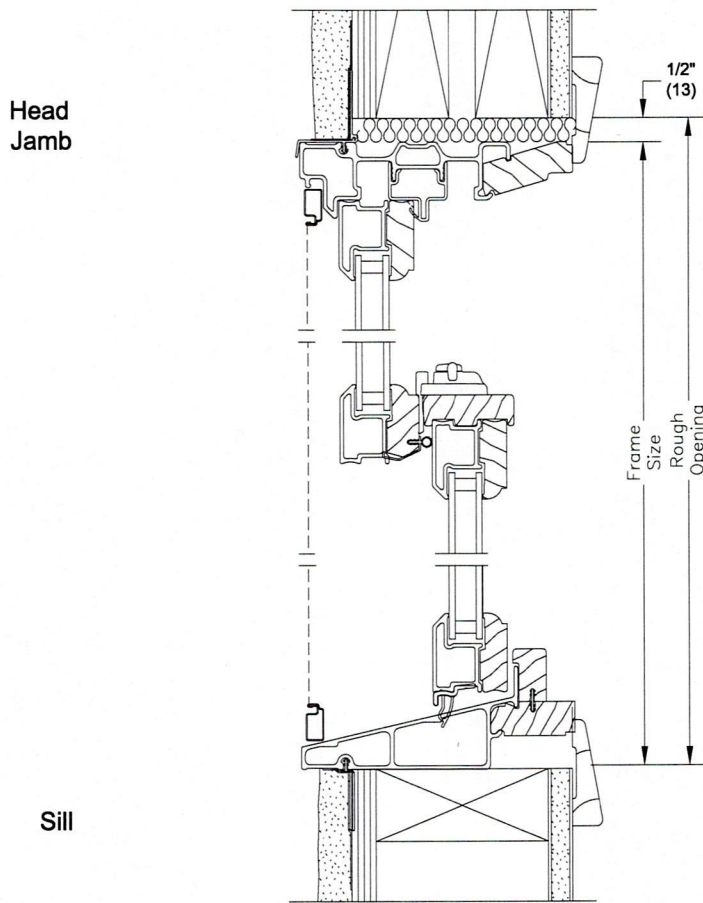
**NOTES:**

- The above wall sections represent typical wall conditions, these details are not intended as installation instructions. Please refer to the installation instructions provided with the purchased units.
- Picture unit installation similar. Picture units may require both nailing fin and installation brackets.

# Wood-Ultrex Double Hung

## Section Details: Installation Suggestion - Stucco With 2x4 Frame Construction

Scale: 1 1/2" = 1' 0"



**NOTES:**

- The above wall sections represent typical wall conditions, these details are not intended as installation instructions. Please refer to the installation instructions provided with the purchased units.
- Picture unit installation similar.