

Certificate of Appropriateness Application



Zoning Administration
201 East Washington St.
Syracuse, NY 13202
(315) 448-8640
Zoning@syr.gov

For Office Use Only

Zoning District: _____
Application Number: CA- 23 - 23
Date: 8/18/23

Certificate of Appropriateness Application

This application may be mailed or delivered to City Hall Commons Room 512, 201 E. Washington Street. If you wish to discuss the application with a member of our preservation staff, please call 315-448-8108 or email SLPB@syr.gov.

General Project Information

| |
|--|
| Property Address: <u>305 SEDGWICK DR. SYRACUSE, NEW YORK 13203</u> |
| <input type="checkbox"/> Individual Protected Site <input checked="" type="checkbox"/> Property in a Preservation District |
| Check all that apply: <ul style="list-style-type: none"><input type="checkbox"/> Demolition (partial or complete) including accessory structures: Complete Part 1<input checked="" type="checkbox"/> Alteration to the property including accessory structures: Complete Part 2<input checked="" type="checkbox"/> Alteration to the building interior (only for protected interiors): Complete Part 2<input type="checkbox"/> Painting/Cleaning: Complete Part 3<input checked="" type="checkbox"/> Window replacement: Complete Part 4<input type="checkbox"/> New construction including additions: Complete Part 5<input type="checkbox"/> Alteration to site: Complete Part 6<input type="checkbox"/> Signage: Complete Part 7 |
| Applicant Information: |
| Name: <u>Christopher Haines</u> |
| Address: <u>178 Oakley Dr. E., Syracuse, NY 13205</u> |
| Phone: <u>315-975-3799</u> Email: <u>chaines315@gmail.com</u> |

| | |
|--|----------------------|
| Owner/Owner's Agent Certification | |
| <i>By signing this application below, I, as the owner of, or the agent of the owner, of the property under review give my endorsement of this application.</i> | |
| Print owner name: <u>Christopher and Renee Wiles</u> | Date: <u>8/11/23</u> |
| Signature: <u>[Signature]</u> | Date: _____ |
| Mailing address: <u>305 Sedgwick Drive, Syracuse, NY 13203</u> | |
| (The names, addresses, and signatures of all owners of the property are required. Please attach additional sheets as needed.) | |

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Part 2: Alteration

Please submit the following supporting materials:

- Color images of the building and site of the proposed work
- Site plan and elevation drawings (drawn to scale) of the proposed alteration
- Materials list and manufacturer's product information for all new building materials

Provide a detailed written description of the scope of work. Include location(s) of the work, dimensions and proposed materials, as appropriate. Attach additional sheets as necessary.

Scope of Work:

- Phase 1 - Driveway side, exterior work only
- Repair and replace any rotted exterior Tudor trim detail on driveway side.
- Overlay old trim with new trim painted to match original trim detail and match original color as close as possible.
- Trim will be sanded, sealed, primed, caulked, tinted primer and painted 2 coats (PPG, Benjamin Moore)
- Stucco repair will be done on an as needed basis, stucco mix will be per spec of historical society application, and will be caulked and painted to match
 - Install four (4) replacement Marvin windows on drive way side. Windows are 7-8 weeks out (This does not include the replacement and/or restore of the one (1) original window left in the house. (Awaiting approval) - Cost of replacement windows and cost of window restoration is pending on the client's decision. Depending on client's decision the price will vary.
 - Install one missing upper brick, minor stucco repair as needed. (using the original stucco and mortar spec)
 - Remove and replace old rotted drip edge and counter flash on the transition between brick and stucco. (Metal detail stays the same)
 - We reserve the right to change the estimate based on unforeseen rot damage to interior framing and/or window casing.

Does the proposed work cover, remove or replace existing materials or finishes?

- No
- Yes:

If yes, please describe what will be covered, removed, or replaced and the reasons for the removal and/or replacement.

Replacement windows will be made from fiberglass material or a like superior material. All architectural timber will be extracted and replaced with 5/4 pine. Upper windows exceed the ability to be restored-complete rot and very extensive carpenter ant damage. The old brick to stucco transition flashing will be removed and apply new.

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Part 4: Window Replacement

Please submit the following supporting materials:

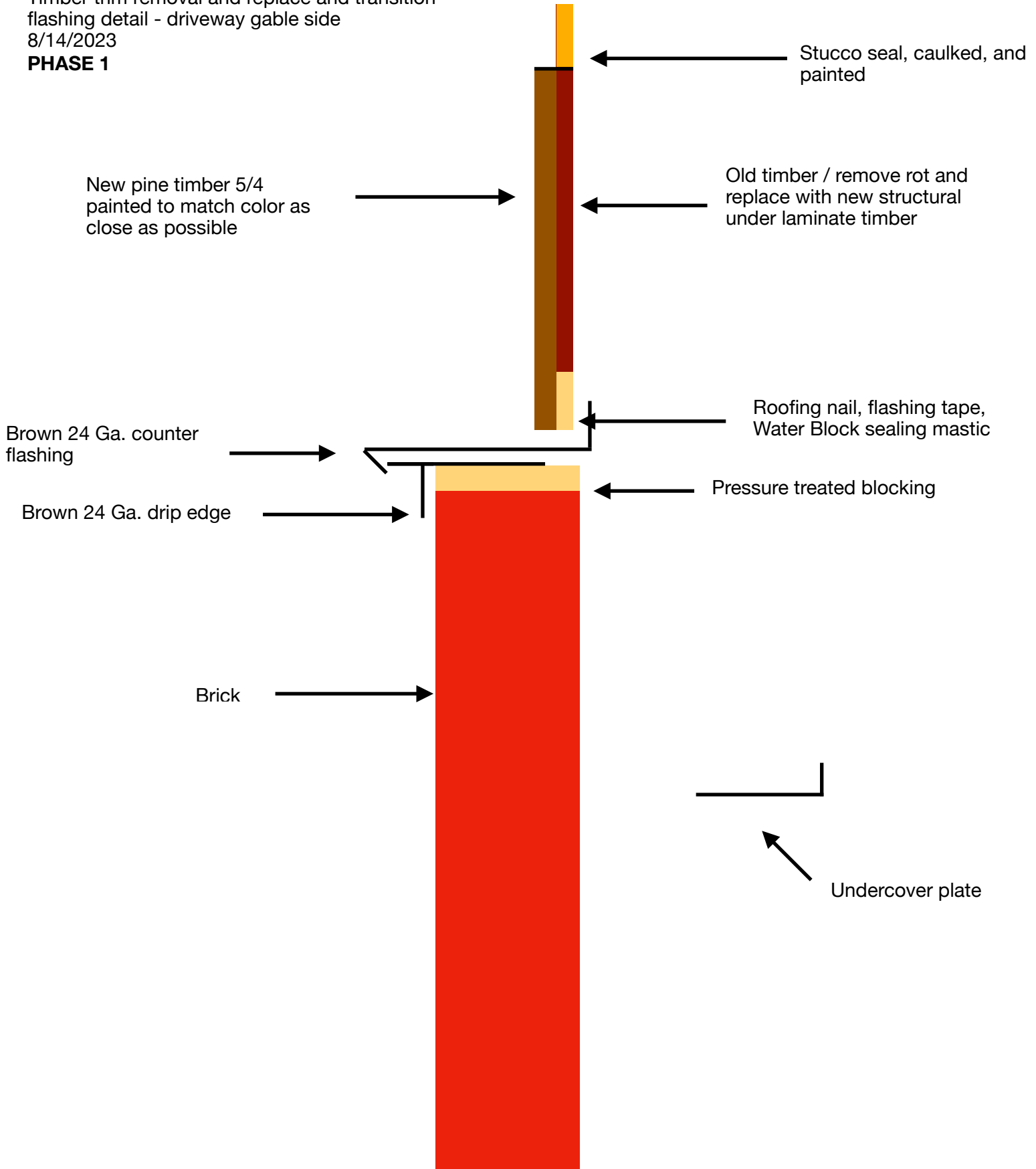
- Color images of the windows proposed to be replaced. The photographs must illustrate the conditions you seek to address.
- Each photograph should be numbered and keyed to a drawing (elevation) or image of the side of the property where the window is located.

| | |
|--|----------------------|
| Are the windows original to the property? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No Approximate year of replacement _____ | |
| Style(s) of existing windows: | Number of each style |
| <input checked="" type="checkbox"/> Double-hung (bottom and top sash open) | 5 _____ |
| <input type="checkbox"/> Single-hung (only one sash opens) | _____ |
| <input type="checkbox"/> Casement (sashes swing outward, hinges at sides) | _____ |
| <input type="checkbox"/> Hopper (swings inward, hinge at the bottom) | _____ |
| <input type="checkbox"/> Awning (swings outward, hinge at the top) | _____ |
| <input type="checkbox"/> Pivot (rotates open on a center pivot) | _____ |
| <input type="checkbox"/> Fixed (fixed glass into frame that does not open) | _____ |
| <input type="checkbox"/> Other: _____ | |
| Total number of windows in property: _____ | |
| Existing window material(s): | |
| <input checked="" type="checkbox"/> Wood | |
| <input type="checkbox"/> Steel | |
| <input type="checkbox"/> Lead | |
| <input type="checkbox"/> Vinyl | |
| <input type="checkbox"/> Other _____ | |
| Number of windows you propose to replace: 5 | |
| Does your property have storm windows? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes If yes, are they interior or exterior and what is their material? | |
| Describe issues that you hope to address by replacing your windows. (See checklist of required support information for window replacement.) Addressing and fixing the rot, and having the ability to open the windows. Safety, cost effective, with still maintaining an architectural appearance. | |
| (Please see attached window condition statement) | |

Half-timbering repair/flashing detail

305 Sedgwick Dr.
Timber trim removal and replace and transition
flashing detail - driveway gable side
8/14/2023

PHASE 1





**SYRACUSE
LANDMARK
PRESERVATION
BOARD**

Certificate of Appropriateness Application

Case Number: CA-23-23

WINDOW SURVEY FORM

Required for all window replacement projects

I. Applicant's Name: Chris Haines
 Address: 178 Oakley Dr. E., Syracuse, NY 13205
 Phone: 315 975 3799 Email: chaines315@gmail.com

II. Work is proposed for property at: 305 Sedgwick Dr., Syracuse, NY 13203

III. Existing Window Description

Year property was built 1930

Are the windows original to the property?

Yes No. Approximate year of replacement? _____

Style(s) of existing windows:

Number of each style

- Double-hung (bottom and top sash can open) _____
- Single-hung (only one sash opens) 9
- Casement (sashes swing outward, hinges at sides) _____
- Hopper (swings inward, hinge at the bottom) _____
- Awning (swings outward, hinge at the top) _____
- Pivot (rotates open on a center pivot) _____
- Fixed (fixed glass into frame that does not open) _____
- Other: _____

Total number of windows in property _____

Total number of windows you wish to replace 9

Existing window material(s):

- Wood Lead
- Steel Other Aluminum Storms

Does your property have storm windows?

No Yes. If yes, type (interior or exterior) and material: Aluminum

IV. Project Description

Please describe the issues that you hope to address with the replacement of the windows:

Safety. Efficiency. Affordability. Rotting. Leaking. Damaged.

V. Documentation of Window Condition

Please photograph every window proposed for replacement. The photographs should illustrate the conditions you seek to address. Each photograph should be numbered and keyed to a drawing (elevation) legend or image of the side of the property where the window is located.

Window Conditions Statement:

The current window conditions far exceed the ability to restore. There is extensive rot damage, carpenter ant damage, and at this point they are a safety hazard. At this point in time the french tudor/stucco work on the upper portion of the house, without having a proper water barrier between the underlayment sheathing and the timber trim, it has caused damage to windows, interior walls, inside the wall cavity itself, and the structural sheathing on the house. All work has been started and all rot will be cut out and repaired.

The house is brick and stucco, is not insulated, and therefore we highly recommend installing thermal pain windows that are energy efficient. Marvin Elevate fiberglass is a far superior choice of window over Pella or any other brand on the market, as well as any vinyl or aluminum clad window. Please be aware that aluminum acts as a heat sink and actually draws the heat out of the house instead of retain it. Aluminum windows are also known for condensation which can lead to potential water damage, mold, or mildew.

The new windows will be Marvin Elevate fiberglass, double-hung 6 over 1 windows custom built to fit into each opening. The windows will match the configuration, design, and color of the original windows including muntin pattern as close as the manufacture will allow.





Exterior Windows 6 and 7



Window 1



Window 2



Window
3



Windows 4 and 5

Additional Images of 305 Sedgwick Drive











Interior Window 1



Interior Window 2



Interior Window 2



Interior Window 3



Interior Windows 4 and 5



Interior Window 6





ELEVATE

MARVIN ELEVATE™ COLLECTION



WHY MATERIALS MATTER

THE MARVIN MATERIALS DIFFERENCE: ULTREX FIBERGLASS

Choosing the right materials for windows and doors is important when it comes to long-term appearance and performance. Ultrex®, an innovative fiberglass material pioneered by Marvin over 20 years ago, was one of the first premium composites on the market. However, not all composites are created equal.

- Some companies use materials like sawdust and vinyl to produce a composite material with fundamentally different properties and performance values. But Ultrex is different. Its material makeup contains a high density of woven fibers bound by a thermally-set resin that makes it more resistant to pressure and temperature than vinyl-based composites.
- With such different materials grouped in the composites category, it becomes important to know what sets them apart.



STRENGTH AND STABILITY OF ULTREX

Ultrex fiberglass is highly impact resistant and more rigid than vinyl and vinyl/wood composites. Issues of instability and less-than-perfect alignment that can complicate installation—and long-term performance—are not a concern with Elevate collection windows and doors.

The exceptional strength and stability of Ultrex eases installation and establishes a secure, long-lasting fit that stays square and true, year after year.

PULTRUDED FIBERGLASS

Thin strands of strong glass cables, saturated with compounded resins create a durable material.

PATENTED FINISH

The patented finishing process applies an impermeable and AAMA 624 verified factory finish.



Double Hung windows and Inswing French doors with swinging screens

ULTREX FIBERGLASS: QUITE POSSIBLY
THE PERFECT BUILDING MATERIAL®

WHY MATERIALS MATTER

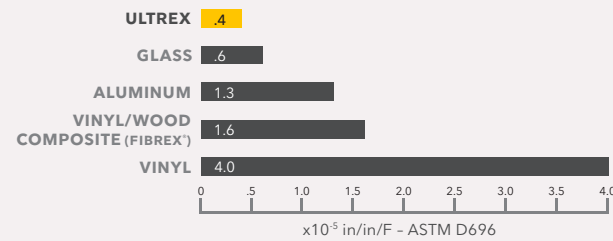
TEMPERATURES MAY FLUCTUATE, BUT ULTREX WON'T

Ultrax® expands and contracts at virtually the same rate as glass so it works with glass rather than against it. This means seals aren't as prone to leaking and windows aren't subjected to sagging issues like other composites.

This is especially true when compared to vinyl, which can distort in extreme heat and crack in fluctuating temperatures. Ultrax resists distortion even at temperatures up to 285°F. Rapid temperature change doesn't faze Ultrax. From -30°F to 70°F, a 6 foot stile changes less than 1/32 inch in length.

EXPANSION MEASUREMENT

Ultrax expands and contracts at virtually the same rate as glass.

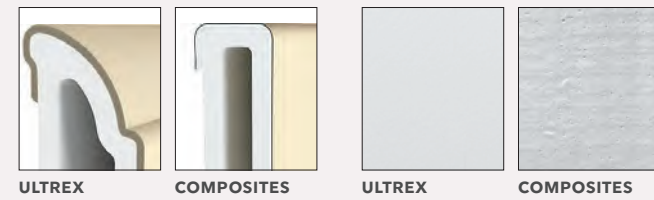


INDUSTRY'S BEST FIBERGLASS FINISH FOR LASTING BEAUTY

Ultrax is the first and only fiberglass finish to be verified to AAMA's 624 voluntary finish specifications for fiber reinforced thermoset profiles (fiberglass).

Windows and doors made with Ultrax resist scratches, dings, and marring more than vinyl. Our patented, mechanically bonded acrylic finish is up to three times thicker than painted competitive finishes, and it resists UV degradation up to five times longer than vinyl—even on dark colors.

PATENTED ACRYLIC CAP



Casement and Double Hung windows in Bronze



Picture windows in Bronze

COOLER IN SUMMER, WARMER IN WINTER

TOP RATED ENERGY EFFICIENCY

The National Fenestration Rating Council (NFRC) defines energy performance ratings for the entire window and door industry. It rates:

- **U-factor:** How well a window keeps heat inside a building.
- **Solar heat gain:** A window's ability to block warming caused by sunlight.
- **Visible light transmittance:** How much light gets through a product.
- **Air leakage:** Heat loss and gain by air infiltration through cracks in the window assembly.

Ultrax® fiberglass is 500 times less conductive than roll-form aluminum and is similar to wood and PVC. It provides an insulated barrier against extreme weather temperatures, keeping homes comfortable, and reducing heating and cooling costs.

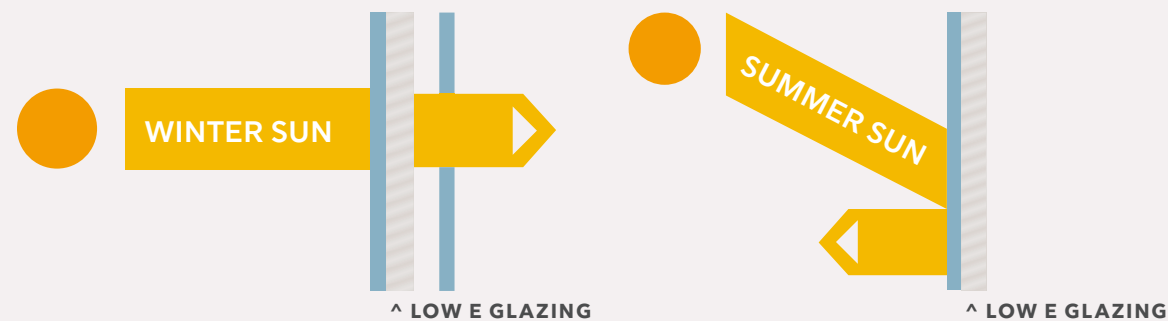
ENERGY COST SAVINGS

Marvin was the first major window and door manufacturer to offer energy-efficient Low E2 glass and ENERGY STAR® certified performance on all of our standard windows and doors. Compared to non-certified products, ENERGY STAR certified windows and doors cut heating and cooling costs by 12%.*

The Elevate collection offers Triple-pane, Low E1, Low E2, Low E3, and Low E3/ERS insulated glass with argon gas, which has thermal conductivity 30% lower than that of air. It adds improved solar and thermal protection by distinguishing between visible light, damaging UV, and near-infrared rays to offer the ultimate glass performance, and provides a selection of energy-efficient solutions depending on your climate and needs.

LOW E GLASS COATING

The Low E coating is specially designed to take advantage of the angle of the winter and summer sun. Winter sun is absorbed and conducted indoors. Summer sun is filtered and reflected back outdoors.



A MORE COMFORTABLE INTERIOR,
REGARDLESS OF THE SEASON

Keep heat inside during cooler weather and block the sun's rays during warmer weather with Dual Pane windows and Low E coating.

DOUBLE HUNG



Double Hung windows with Oil Rubbed Bronze hardware



Double Hung windows with Window Opening Control Devices

DOUBLE HUNG

- Equipped with a standard full screen; optional half screen is available.
- Tilt latches are ergonomically designed and easy to operate making tilting and cleaning effortless.
- Sash lock provides a positive detent, reassuring user that the window is either locked or unlocked.
- Up to PG50 performance rating.
- Equal, Cottage, and Reverse Cottage sash provide a variety of looks and checkrail heights.
- Available in standard and special sizes up to 4 feet 6 inches wide by 7 feet high.
- Coordinating Picture and Transom windows also available.
- Double Hung Insert option features ¾ inch insert replacement frame with through jamb installation and up to PG40 performance rating.



DOUBLE HUNG



DOUBLE HUNG INSERT



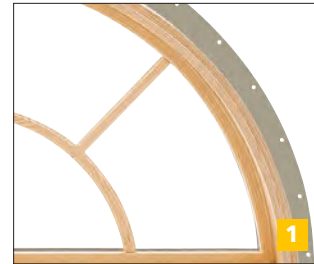
Available with IZ3
(Excludes Insert option)

INSTALLATION MADE SIMPLE AND EFFICIENT

INSTALLATION OPTIONS AND ACCESSORIES

1. NAILING FIN

Pre-attached folding nailing fin and drip cap for easier installation.



2. THROUGH JAMB

Available through-jamb and installation bracket options.



3. FACTORY-APPLIED JAMB EXTENSIONS

Factory-applied jamb extensions save time and labor. We supply 4 7/16", 6 7/16", and 6 13/16" jamb depth in bare wood, white, designer black, or clear interior finish.

4. FACTORY-INSTALLED SCREENS

Factory-installed screens are a standard offering with operating windows. At no extra cost, we can ship your screens separately to reduce on-site damage prior to installation.



5. FACTORY MULLED ASSEMBLIES

Available standard factory mulling, reinforced factory mulling, or field mulling kits. The reinforced mull meets AAMA 450 specifications and performs up to PG50 on standard products and up to PG55 on IZ3 rated products.

6. CORNER KEYS

Integral corner keys keep window and door units square and corners sealed.



7. SPECIAL SIZES

Special sizes are available on windows and doors in 1/4" increments for the perfect fit every time.

8. PAINTABLE ULTREX EXTERIOR

The Ultrex® fiberglass exterior is paintable, and holds dark colors better than vinyl or vinyl/wood composites.

EXTERIOR TRIM

Ultrex Exterior Trim is offered with all rectangular Elevate products in all six exterior finishes. The durability, performance, and look of Marvin Elevate windows and doors can be extended to the trim.

BRICK MOULD

2" Brick Mould is available with or without 2 1/8" sill nosing.

FLAT

3 1/2" Flat Trim is available in Flat and Flat Ranch configurations with or without 2 1/8" sill nosing.

SILL NOSE

2 1/8" Sill Nose provides authentic sill appearance.

CONNECTION BARB

Barb and receiver attachment method provides for quick, secure installation.



Casement window with Flat Exterior Trim in Stone White



BRICK MOULD



FLAT



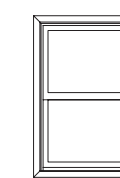
SILL NOSE



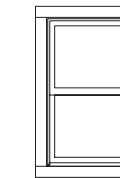
CONNECTION BARB

TRIM CONFIGURATIONS

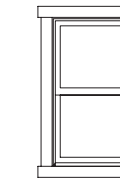
Multiple configurations are available in lineal lengths and factory pre-cut kits in all six Elevate collection exterior colors.



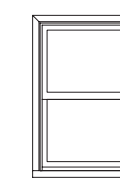
BRICK MOULD



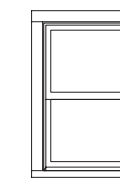
FLAT



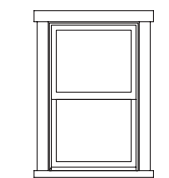
FLAT RANCH



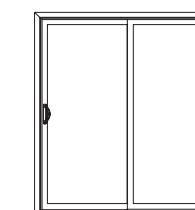
BRICK MOULD WITH SILL NOSE



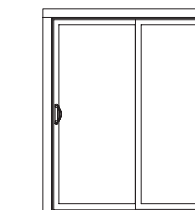
FLAT WITH SILL NOSE



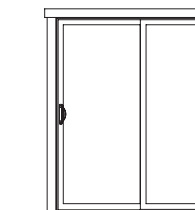
FLAT RANCH WITH SILL NOSE



BRICK MOULD*



FLAT*



FLAT RANCH*

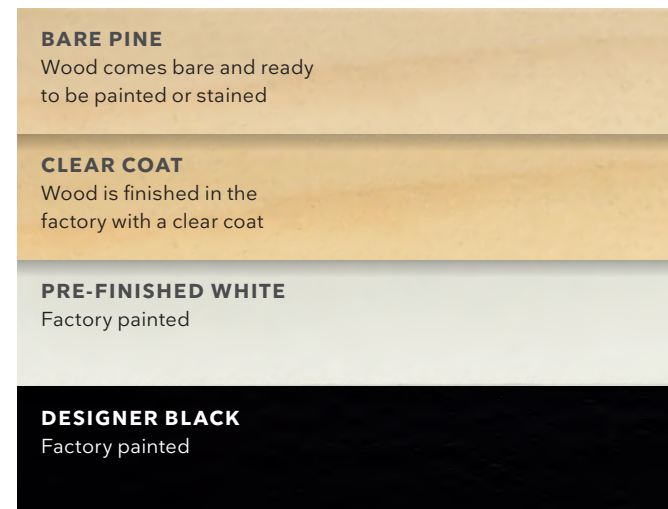
* Brick Mould, Flat, and Flat Ranch profiles are available on doors. Sill profiles are not included for door trim sets.

DESIGN OPTIONS

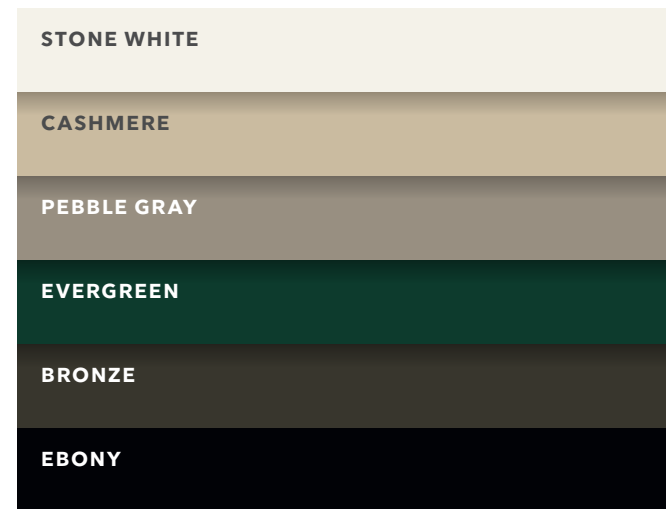
INTERIOR AND EXTERIOR FINISHES

Elevate windows and doors feature rich pine interiors and a durable, strong Ultrex® fiberglass exterior, featuring our AAMA-verified acrylic finish for low-maintenance and superior aesthetics.

WOOD INTERIOR FINISHES



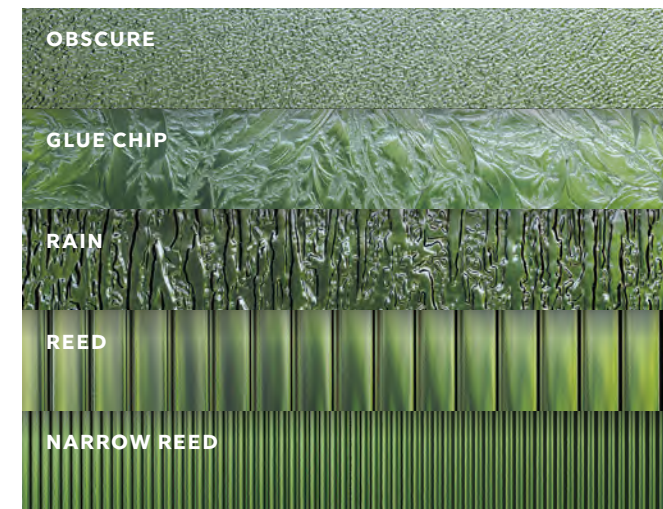
FIBERGLASS EXTERIOR COLORS



GLASS OPTIONS

Glass is available with Standard Dual Pane or optional Triple Pane on select products. Available with Low E1, Low E2, Low E3, and Low E3/ERS insulated glass with argon gas.* Options include glazing for sound abatement (STC/OITC), high altitudes, and California fire zones. Laminated glass is also offered in products designed specifically for hurricane zones.

DECORATIVE GLASS



GRILLES

GRILLES-BETWEEN-THE-GLASS (GBG)

Available in several popular lite cut options for a classic divided lite look and easy glass cleaning. Available in Stone White, Bronze, and Ebony interior and Stone White, Cashmere, Pebble Gray, Evergreen, Bronze, or Ebony exterior.*

SIMULATED DIVIDED LITE (SDL)

Bars permanently adhered to both sides of the glass for a more authentic look. Available with or without spacer bar and in several lite cut options.



GRILLES-BETWEEN-THE-GLASS



SIMULATED DIVIDED LITE

SIMULATED CHECKRAIL

Simulated Checkrail is the perfect solution when aesthetics call for the beauty of a double hung, but operation, egress, or performance demand another solution.

You specify placement of the horizontal simulated checkrail bar and the lite cut patterns above and below.

These illustrations offer a sampling of 7/8" Simulated Divided Lite (SDL) patterns that can be selected in combination with the 2 1/32 inch Simulated Checkrail on Casement, Awning, Glider, Direct Glaze Rectangle, Picture windows, and all Elevate doors.



| MO (mm) | 1-10 (559) | 2-2 (660) | 2-6 (762) | 2-8 (813) | 2-10 (864) |
|-------------------|-----------------|-----------------|------------------|-----------------|-----------------|
| RO (mm) | 1-10 1/2 (572) | 2-2 1/2 (673) | 2-6 1/2 (775) | 2-8 1/2 (826) | 2-10 1/2 (876) |
| FS (mm) | 1-9 1/2 (546) | 2-1 1/2 (648) | 2-5 1/2 (749) | 2-7 1/2 (800) | 2-9 1/2 (851) |
| DLO (mm) | 1-3 11/16 (398) | 1-7 11/16 (500) | 1-11 11/16 (602) | 2-1 11/16 (652) | 2-3 11/16 (703) |
| (S.O. 1-8 x 6-2) | ELDH2276 | ELDH2676 | ELDH3076 E | ELDH3276 E | ELDH3476 E |
| (S.O. 2-0 x 6-2) | ELDH2272 | ELDH2672 | ELDH3072 | ELDH3272 E | ELDH3472 E |
| (S.O. 1-8 x 5-10) | ELDH2268 | ELDH2668 | ELDH3068 | ELDH3268 E | ELDH3468 E |
| (S.O. 2-0 x 5-6) | ELDH2264 | ELDH2664 | ELDH3064 | ELDH3264 | ELDH3464 |
| (S.O. 1-8 x 5-2) | ELDH2260 | ELDH2660 | ELDH3060 | ELDH3260 | ELDH3460 |
| (S.O. 1-8 x 4-10) | ELDH2256 | ELDH2656 | ELDH3056 | ELDH3256 | ELDH3456 |
| (S.O. 1-8 x 4-6) | ELDH2252 | ELDH2652 | ELDH3052 | ELDH3252 | ELDH3452 |
| (S.O. 1-8 x 4-2) | ELDH2248 | ELDH2648 | ELDH3048 | ELDH3248 | ELDH3448 |
| (S.O. 1-8 x 3-10) | ELDH2244 | ELDH2644 | ELDH3044 | ELDH3244 | ELDH3444 |
| (S.O. 1-8 x 3-6) | ELDH2240 | ELDH2640 | ELDH3040 | ELDH3240 | ELDH3440 |
| (S.O. 1-8 x 3-2) | ELDH2236 | ELDH2636 | ELDH3036 | ELDH3236 | ELDH3436 |
| (S.O. 1-8 x 2-10) | | | | | |

DOUBLE HUNG

| MO (mm) | 3-0 (914) | 3-2 (965) | 3-6 (1067) | 4-0 (1219) | 4-6 (1372) |
|--------------------|-----------------|-----------------|------------------|------------------|-------------------|
| RO (mm) | 3-0 1/2 (927) | 3-2 1/2 (978) | 3-6 1/2 (1080) | 4-0 1/2 (1232) | 4-6 1/2 (1384) |
| FS (mm) | 2-11 1/2 (902) | 3-1 1/2 (953) | 3-5 1/2 (1054) | 3-11 1/2 (1207) | 4-5 1/2 (1359) |
| DLO (mm) | 2-5 11/16 (754) | 2-7 11/16 (805) | 2-11 11/16 (906) | 3-5 11/16 (1059) | 3-11 11/16 (1211) |
| (S.O. 2-10 x 6-2) | ELDH3676 E | ELDH3876 E | ELDH4276 E | ELDH4876 E | ELDH5476 E |
| (S.O. 3-0 x 6-2) | ELDH3672 E | ELDH3872 E | ELDH4272 E | ELDH4872 E | ELDH5472 E |
| (S.O. 2-10 x 5-10) | ELDH3668 E | ELDH3868 E | ELDH4268 E | ELDH4868 E | ELDH5468 E |
| (S.O. 3-0 x 5-6) | ELDH3664 E | ELDH3864 E | ELDH4264 E | ELDH4864 E | ELDH5464 E |
| (S.O. 2-10 x 5-2) | ELDH3660 E | ELDH3860 E | ELDH4260 E | ELDH4860 E | ELDH5460 E |
| (S.O. 2-10 x 4-10) | ELDH3656 | ELDH3856 | ELDH4256 | ELDH4856 | ELDH5456 |
| (S.O. 2-10 x 4-6) | ELDH3652 | ELDH3852 | ELDH4252 | ELDH4852 | ELDH5452 |
| (S.O. 2-10 x 4-2) | ELDH3648 | ELDH3848 | ELDH4248 | ELDH4848 | ELDH5448 |
| (S.O. 2-10 x 3-10) | ELDH3644 | ELDH3844 | ELDH4244 | ELDH4844 | ELDH5444 |
| (S.O. 2-10 x 3-6) | ELDH3640 | ELDH3840 | ELDH4240 | ELDH4840 | ELDH5440 |
| (S.O. 2-10 x 3-2) | ELDH3636 | ELDH3836 | ELDH4236 | ELDH4836 | ELDH5436 |
| (S.O. 2-10 x 2-10) | | | | | |

Details and Elevations not to scale.
 Special sized units available within and outside of CN matrix. Please contact your Marvin dealer.
 Minimum frame size: 17 1/2" x 27 3/4"
 Maximum frame size: 53 1/2" x 83 3/4"
 Optional Double Hung GBGs and SDLs are available in a standard Rectangular cut shown. Other available lite cuts shown on page 3.
 When ordering 6 9/16" (167 mm) or 6 13/16" (173 mm) jambs, add 1/4" (6 mm) to width and 1/8" (3 mm) to height for Rough Opening, Frame Size and Masonry Opening.
 E = These windows meet National Egress Codes for fire evacuation. Local codes may differ.
 Available in equal, cottage, and reverse cottage sash configurations. Cottage and reverse cottage sash configurations are not available below CN 36 height and above CN 68 height.
 For further details and drawings visit the 'Tools and Documents' section at Marvin.com.

MULTIPLE ASSEMBLIES
 Multiple assemblies can be factory mullled.
 MAXIMUM ROUGH OPENING not to exceed 113 1/2" x 76 1/4" Maximum up to 5 units wide by 1 unit high.
 MAXIMUM ROUGH OPENING not to exceed 84" x 92" Maximum up to 3 units wide by 5 units high.
 Field mull kits are available. Structural mullion reinforcement is required for some assemblies.
 Please consult your local Marvin representative for more information.