

**STAFF REPORT:** 4/14/2021 MEETING

**PREPARED BY:** J. ROSS

**APPLICATION NUMBER:** 21-7172

**ADDRESS:** 791 SEMINOLE

**HISTORIC DISTRICT:** INDIAN VILLAGE

**APPLICANT:** ALEXANDER GRABOWSKI (OWNER)/ALAN MACHIELSE (ARCHITECT)

**DATE OF COMPLETE APPLICATION:** 3/22/2021

**DATE OF STAFF SITE VISIT:** 4/2/2021

**SCOPE:** REHABILITATE HOME; REPLACE WINDOWS & REPIAR AND REPLCE SIDING AND TRIM

### **EXISTING CONDITIONS**

The building located at 791 Seminole, sits at a prominent location, at the northeast corner of Seminole Street and E. Lafayette Street, within the Indian Village historic district. The building was constructed in 1898-1899 and designed for Dr. Andrew Biddle by the architectural firm Rogers & MacFarlane. The 2 ½ story, Dutch Colonial Revival-style home displays a gambrel-roof main mass with a rear, lower intersecting gambrel-roof wing. Asphalt shingles were recently added to the roof surface. Decorative detailing includes dentils at the soffit, the fluted Ionic columns at the first-story front porch, and the Ionic pilasters at the second story story's brick mould. Exterior walls are primarily clad with stucco, although large portions of the stucco at the south, north, and west elevations have been removed and replaced with unpainted/unfished plywood/oriented strand board (OSB). Unpainted OSB is also visible at the fascia and soffit. Windows are currently wood, double-hung units with grids between the glass. Note that a number of the windows have been improperly installed/are smaller than their respective openings and plywood has been installed to enclose the gap. Much of the original wood window trim/brickmould A hipped-roof garage with cedar-shake clad exterior walls is to the rear of the home.

### **791 Seminole, current conditions**



## **PROPOSAL**

In 9/2019, a previous property owner removed the majority of the original windows and replaced them with the current wood units without HDC approval and/or permit. Specifically, the current conditions exist re: the current unapproved windows:

- The light configuration of the new windows do not match the old/original
- The grids at the new windows are between the glass
- Many of the windows are improperly fitted within their opening. Plywood has been used to infill the gaps in the opening.
- The new windows are not properly recessed with their openings
- HDC field investigations revealed that leaded glass windows were removed from the building.

The former property owner therefore appeared in front of the Commission at the 12/11/2019 meeting with a proposal to retain the current wood windows that were installed without HDC approval and/or permit. The Commission denied the former owner's proposal. The current windows therefore remain as an active violation.

Note, that the current applicant has recently gained ownership of the property and is submitting a proposal to the Commission to undertake a rehabilitation of the property, the scope of which includes the replacement of the current unapproved windows. Specifically, the current rehab proposal includes the following work items as per the submitted drawings and narrative:

### **Remove existing stucco at exterior walls and restore original wood cladding beneath**

- Fully remove extant stucco and rehabilitate the underlying original wood clapboards. Missing or damaged clapboards will be replaced in kind with new horizontal lap wood siding matching the existing historic siding in material, dimension, appearance, reveal and texture. Field investigations show that the original clapboards were installed with a 4 5/8" reveal and were 7/16" at the butt dimension of the clapboard. New clapboards will be 1/2" x 6" beveled lap siding and will be installed with a 4 5/8" reveal to match the existing historic siding to remain.
- Restore trim - The house originally had many wood trim elements which are currently covered with stucco. Those elements which remain and are in good condition will be restored as a part of this effort. This trim includes vertical corner boards at all building corners, as well as the arched window hoods above the east facade second story windows, which are presumed to exist behind the subsequent layers of stucco as evidenced by a shadow outline visible where these elements were once located.

### **Retain and restore all extant wood elements at front elevation and front porch**

- Original decorative wood pilasters at the east facade still remain, and will be restored as a part of the facade restoration effort
- All existing elements at the front porch will be retained and repaired.

### **Remove existing stucco at foundation walls and chimneys**

- The existing stucco will be removed from the brick chimneys and foundation walls. The chimneys will be repointed with historically compatible lime mortar as required and parge them. The parging will be color matched to the approved trim color for the house so that the masonry does not need to be painted, or painted in Benjamin Moore HC-27 Monterey White to match the proposed trim

color.

### **Paint House**

- The entire house will be painted in accordance with Detroit Historic District Commission Color System C. The body of the house will be painted Van Courtland Blue (Benjamin Moore HC-145), in accordance with Color System C's C:3 "Pale Blue." The trim and chimneys will be painted Monterrey White (Benjamin Moore HC-27), in accordance with Color System C's C:5 "Yellowish White." Exterior doors will be painted black.

### **Windows**

Of the building's 45 window openings, all but 9 windows were either destroyed by fire or removed and discarded by the prior owner. The remaining 36 window openings were either boarded up or filled with inappropriate new windows. The current window scope includes the following:

- Restore and reinstall all nine of the original leaded glass windows. The leaded glass sidelites and transom surrounding the front door will also be restored.
- Remove all 35 unapproved, recently-installed existing windows (with grids between the glass) and install 35 historic replica Quaker Brighton Classic Fit. The proposed replacement window is wood with an extruded aluminum cladding. The windows will be finished with a "Yellowish White" color. Glazing will be clear glass with an applied low-e coating for maximum visible light transmittance. The proposed windows will have simulated divided lights with muntin patterns as indicated on the proposed elevation drawings and the supporting window schedule. All remaining window frames, exterior trim and brick mould will be retained. Trim and brick mould destroyed by fire will be milled to match the original features in dimension and profile.
- Remove three existing windows at the south elevation, to include the ocular leaded glass attic window and the two wood-sash, third-story units. These three windows will be repaired and installed at the north facade, where the original windows were destroyed by fire at this highly-visible elevation. A louvered vent will be installed in the south elevation, attic-story ocular opening, while new historic replica windows will be installed at the two, third-story south elevation openings.

### **Door Replacement**

- Replace two non-historic age insulated steel doors and steel security doors, one at the rear facade (kitchen porch), and the other on the south elevation of the service wing (grade entry leading to the basement) with new, fiberglass doors with an insulated glass vision lite. Please refer to the attached cut sheet. All exterior doors will be painted Black.

### **Exterior Lighting**

- Only one exterior light fixture remains, and it is not of historic age. This fixture will be replaced with a new wall-mounted exterior wall sconces at each exterior door. Cut sheets for the lighting are attached.

### **Roof**

- All original wood fascia and dentilated soffits will be retained and be repaired. Where missing or deteriorated, these elements will be replicated in dimension, detail, and material to match existing
- Install new 6" aluminum K-style gutters and downspouts. Cut sheets for the gutters and accessories are attached. The gutters will be factory finished to match the owner's selected trim color.

## **Sitework**

- Install a new 6'-0"-tall, dog-eared type wood privacy fence along the side/northern property line which shall extend to the building's front face (finish color not specified)
- Install a new 8'-0"-tall, dog eared type wood fence at the rear property line. The fence will be stained brown
- Erect a new 3'-0"- tall wood picket fence along the side/northern property line, east past the property's front face to Seminole Avenue to prevent pedestrians from using the front yard as a shortcut. The fence will be stained brown

## **Northwestern Rear Porch (Service Porch)**

- Replace the existing deteriorated concrete steps with new wood steps
- Retain existing wood, tongue-and-groove decking. Where flooring is deteriorated beyond repair/where necessary, replace in kind
- Replace existing temporary bracing/column with new wood column
- Retain existing wood beadboard ceiling. Where ceiling is damaged/deteriorated beyond repair/where necessary, replace in kind

## **Southwestern Rear Porch**

- Replace the existing deteriorated concrete steps with new wood steps
- Remove and dispose of the existing masonry newelposts
- Retain existing wood, tongue-and-groove decking. Where flooring is deteriorated beyond repair/where necessary, replace in kind
- Retain existing wood beadboard ceiling. Where ceiling is damaged/deteriorated beyond repair/where necessary, replace in kind

## **STAFF OBSERVATIONS AND RESEARCH**

- Please note that this property caught fire/burned on 2/22/2018. As reported by the Detroit Building, Safety, Engineering, and Environmental Department (BSEED), the fire was concentrated in the rear wing of the property, leading to extensive damage to the interior and the roof at that location. A review of the photos of the property which were submitted to staff immediately after the fire indicates that the then owner boarded up the windows.
- On 4/30/2019, staff forwarded a report to BSEED that the following work had been completed without HDC approval OR permit:
  - The installation of unfinished plywood fascia boards The addition of the plywood/OSB siding at the front, rear, and side elevations
  - Rebuilding of the rear northwestern porch
  - The installation of a plywood board at the rear garage fascia
- As previously noted, on 9/13/2019, HDC staff were made aware that the original windows at the property were being removed and replaced. This work was undertaken without permit and/or HDC approval. On 9/17/2019, BSEED issued a stop work order for the unapproved window replacement. This stop work order currently remains in place. The applicant/current owner is seeking to address the unapproved work via the approval of his application and a subsequent removal of the stop work order.
- The applicant has provided a number of photos which depict the home's appearance over time, to include its original appearance as well as its condition in 1971 (the date of the district's

designation). The photos indicate that the home was originally clad with lapped wood siding which was covered with stucco at some late date/prior to 1971. The current submission also provides a condition assessment of the stucco which reveals that this cladding is currently in poor condition and was improperly/inconsistently installed in layers over time. It is staff's opinion that that the stucco cladding detracts from the home's historic appearance due to its poor condition and inconsistent application and is therefore not a character defining feature of the home.

- Staff commends this applicant's efforts towards addressing the current window violation, to include the retaining/restoration of the existing/original trim/brickmould, retaining and repairing all remaining original windows, and install property-sized, aluminum-clad wood units with muntins that will be applied to the exterior surface of each window. It is staff's opinion that this scope item is appropriate and conforms to the Standards.
- The concrete steps at both rear porches will be removed and replaced with new wood steps. It is staff's opinion that the existing concrete steps at these locations are not character-defining features and that their removal and replacement is appropriate to the standards.
- The applicant is proposing to remove three existing windows at the south elevation, to include the ocular leaded glass attic window and the two wood-sash, third-story units. These three windows will be repaired and installed at the north facade, where the original windows were destroyed by fire at this highly-visible elevation. A louvered vent will be installed in the south elevation, attic-story ocular opening, while new historic replica windows will be installed at the two, third-story south elevation openings. Staff does not oppose this proposed treatment given the cumulative/overall proposed rehabilitation effort.

## **ISSUES**

- None

## **RECOMMENDATION**

It is staff's opinion that the work as proposed conforms to the district's Elements of Design and the Secretary of the Interior Standards for Rehabilitation. Staff therefore recommends that the Commission issue of a Certificate of Appropriateness for the work as proposed. However, staff does recommend that this COA be issued with the following conditions:

- The project's final construction drawings shall be revised to clearly delineate all extant exterior elements which shall be retained and repaired and the final design of the two rear porches. The revised/final drawings shall be submitted to HDC staff for review and approval prior to the issuance of the project permit
- All proposed new fencing shall be stained or painted a color which complements the home on or before April 14, 2022. The applicant shall provide a final painting proposal to HDC for review and approval prior to the issuance of the project's permit.



SOLD

KW METRO

JOSEPH ZETOUNA  
248.506.4433

















Rear/southwest porch



# Decking, typ at rear southwest and northwest porches



# FIRE DAMAGE PHOTOS



FEBRUARY 21, 2018





FEBRUARY 21, 2018

# HISTORIC PHOTOS



Photograph from the *Inland Architect and News Record*, Volume 38, No. 3 (October 1901)

AUGUST 1971



APRIL 1980



OCTOBER 2010



# EXISTING CONDITIONS



EAST ELEVATION (SEMINOLE AVENUE)



NORTH ELEVATION (EAST LAFAYETTE BLVD)



WEST ELEVATION (ALLEY SIDE)



SOUTHWEST VIEW





SOUTH ELEVATION



STUCCO DETERIORATION AT SW CORNER OF BUILDING



STUCCO DETERIORATION AT WEST ELEVATION, FIRST FLOOR



STUCCO DETERIORATION AT SOUTH ELEVATION



STUCCO DETERIORATION AT EAST FACADE



STUCCO DETERIORATION AT NORTH FACCADE



STUCCO DETERIORATION AT NORTH FACADE



WINDOW #33, 34, & 35



WINDOW #39



WINDOW #6



GAPS IN STRUCTURE CAUSED BY STUCCO WEIGHT





GAPS IN STRUCTURE CAUSED BY LOADS PLACED ON WALL BY THICK STUCCO OVERCOAT. WINDOW #8.





March 18, 2021

Ms. Jennifer Ross  
City of Detroit  
Historic District Commission  
Coleman A. Young Municipal Center  
2 Woodward Avenue, Suite 808  
Detroit, Michigan 48226

RE: Grabowski Residence – Request for Rehabilitation Approval  
791 Seminole Avenue, at the southwest corner of E. Lafayette Blvd and Seminole Avenue

Dear Ms. Ross:

Alexander and Lisa Grabowski, the owners of the building at 791 Seminole, request that the Historic District Commission grant approval for the proposed rehabilitation of the building's façade in conjunction with the complete renovation of the house after the fire that was suffered in February 2018. Proposed Exterior Elevations completed by Oakewood Design for the renovated residence are attached as Exhibit A. Following approval, the Owners intend to proceed with build out and construction work per the approved certificate of appropriateness for the exterior work.

### **Background**

The building is a 2 1/2-story wood-frame structure with a steeply pitched gambrel roof. The building's overall footprint is t-shaped, with the house measuring 41 feet on Seminole Avenue and 53 feet on E. Lafayette Blvd in overall dimension, including the service wing to the west. The building is currently clad in multiple layers of rough textured stucco. The two primary decorative facades face east on Seminole Avenue and north on E. Lafayette Blvd.

The primary, east-facing facade is largely symmetrical in nature, with a center front door and a one story porch with a flat roof and fluted wood columns with doric capitals. A photograph that was published in the *Inland Architect and News Record*, Volume 38, No. 3 (October 1901) indicates that many decorative elements were stripped from the house at some point in the past. The house originally had open-air, uncovered, front porch extensions either side of the extant central porch. The extant front porch was capped by a decorative balustrade, as was the bay window to the north of the front door. At the second floor level, pilasters with doric capitals frame all 3 window bays at the second story level. The center window was an arch-topped unit with leaded glass. The window bays on either side of the central window were capped with an arch-topped trim piece to mimic the shape of the center window. Small rectilinear leaded glass windows with a pattern composed of half ellipses at the third floor level were trimmed out with an Adamesque head casing. A wood decorative balustrade connected the two symmetrical street-facing gambrel roofs.

The north-facing primary facade is punctuated with a chimney at the central portion of the main mass of the house. A service wing extends off to the west, again, punctuated by a chimney. A small one story service porch extends into the rear yard. An oval window opening, once filled with a leaded glass panel, exists at the apex of the roof in the attic level.

The south facing façade faces and is largely obscured from view by the adjacent structure, approximately 8 feet south. Like the north, the south facing facade is punctuated by fireplace chimneys, and has an existing oval decorative window at the attic level. A first floor covered loggia exists at the west end of the main mass of the house.

The west facing façade opening onto the rear yard has a small one-story service porch protrusion capped by a flat roof. The lower quadrant of the southern side of the west facade is punctuated by a one-story covered loggia.

The building was constructed in 1898-1899 and designed for Dr. Andrew Biddle by the architectural firm Rogers & MacFarlane. The structure suffered a major fire on February 21, 2018. The prior owner began rehabilitation of the structure, largely completing the interior rehabilitation; however, fire and prior contractor negligence resulted in the destruction of the vast majority of the house's original windows. The prior owner did work without obtaining Historic District Commission approval, and began to install inappropriate windows intended for new construction houses with muntins between the glass and muntin configurations that did not match the original windows. This was flagged by the HDC, and further work stopped at that time. It was purchased in March 2021 by Alexander and Lisa Grabowski, who intend to complete the rehabilitation of the building, move into the neighborhood, and occupy the house as their primary residence.

The building sits within the Indian Village National Register and Detroit Local historic districts.

## **Scope of Work**

The following describes the proposed exterior work planned for the residence and site, which includes: Removal of exterior stucco and restoration of original wood clapboard siding, replacement of 35 non-historic era windows in existing openings, repair and restoration of 9 original leaded glass windows, gutter replacement, replacement of rear exterior doors, installation of new exterior lighting fixtures, and construction of a new wood privacy fence at the rear and side yard. The following is a detailed description of each work item:

### **Stucco Removal & Wood Clapboard Restoration**

Today the facades are composed of rough-textured stucco; however, the house was constructed with wood clapboard siding as evidenced by the aforementioned historic photograph. Stucco was added later on top of the original wood clapboard and is evident in a 1971 historical photo. As this stucco aged and began to fail, a second, and in some places third, layer of stucco were added. These layers are of a rougher texture and not uniform in color. Failure and lack of color uniformity can be noted in the 2010 historic photo. Today all stucco layers are failing and in poor condition. Significant cracking and missing sections that expose the original wood clapboard are evident. Field examination indicates that the stucco is built up nearly 2 inches thick in places, and the weight of the stucco has begun to cause structural issues with the exterior envelope. The build-up of stucco has also left all exterior window trim flush with the stucco, eliminating the depth and shadow lines that were originally present.

All layers of stucco are failing, and the walls show signs of heavy staining, cracking, bulges, and missing stucco. Water intrusion behind the stucco is apparent, and field investigation shows that the stucco was

not properly installed over the top of building paper, and with furring strips to separate the stucco installation from the wood clapboards, as was standard for the time. This places the moisture-wicking stucco in direct contact with the underlying wood. The only way to repair the multiple layers of failed and failing stucco is to entirely remove all of the stucco and fix any underlying damage to the wood substrate.

Because the home was not originally designed to support the weight of stucco, the cost, extent, and nature required to properly replace the stucco, the owner is proposing to fully remove all non-original stucco and return to the original design intent through rehabilitating the underlying original wood clapboards. Indications are that the wood clapboards are in generally good condition, with the expectation that some areas will be fair or poor, with rotting wood requiring replacement. Missing or damaged clapboards will be replaced in kind, with new horizontal lap siding matching the existing historic siding in material, dimension, appearance, reveal and texture. Field investigations show that the original clapboards were installed with a 4 5/8" reveal and were 7/16" at the butt dimension of the clapboard. New clapboards will be 1/2" x 6" beveled lap siding and will be installed with a 4 5/8" reveal to match the existing historic siding to remain.

The house originally had many wood trim elements, as indicated above, some of which the owner is planning to restore as a part of this effort. This trim includes vertical corner boards at all building corners, as well as the arched window hoods above the east facade second story windows, which are presumed to exist behind the subsequent layers of stucco as evidenced by a shadow outline visible where these elements were once located. The soffits will also be repaired. Original decorative wood pilasters at the east facade still remain, and will be restored as a part of the facade restoration effort.

The original chimneys appear to have been parged smooth and painted a light color according to the historic photograph. The chimney appears to be composed of soft common brick, and the brick was not intended to be seen. The owner is proposing to repoint the chimneys with historically compatible lime mortar as required and parge them. The parging will be color matched to the approved trim color for the house so that the masonry does not need to be painted, or painted in Benjamin Moore HC-27 Monterrey White to match the proposed trim color.

The entire house will be painted in accordance with Detroit Historic District Commission Color System C. The body of the house will be painted Van Courtland Blue (Benjamin Moore HC-145), in accordance with Color System C's C:3 "Pale Blue." The trim will be painted Monterrey White (Benjamin Moore HC-27), in accordance with Color System C's C:5 "Yellowish White." Exterior doors will be painted black.

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

## **Window Replacement**

Of the building's 45 window openings, all but 9 windows were either destroyed by fire or removed and discarded by the prior owner. The remaining 36 window openings were either boarded up or filled with inappropriate new construction windows. The owner plans to restore and rebuild all nine of the original

leaded glass windows. The leaded glass sidelites and transom surrounding the front door will also be restored. The owner proposes to remove all inappropriate new construction windows and install 35 historic replica Quaker Brighton Classic Fit windows in accordance with NPS Preservation Brief 9 – Window Replacement Guidelines. In circumstances such as exist here, Brief 9 permits replacement windows if they match (i) the appearance, size, design, proportions, profiles, and sightlines of the existing historic windows, (ii) the existing window position in the wall, and (iii) the dimensions of the individual elements including head, sill, panes, jambs, sash, and overall depth.

The proposed replacement window has an extruded aluminum cladding, which will minimize joints in the cladding and extend the life of the underlying wood window. The window finish will complement the historic character of the building, and will be in accordance with Color System C's C5 "Yellowish White". Glazing will be clear glass with an applied low-e coating for maximum visible light transmittance. The proposed windows will have simulated divided lights with muntin patterns as indicated on the proposed elevation drawings and the supporting window schedule.

It should be noted that the proposed windows maintain the original window frames and historically significant exterior trim and brick moulds. Further effort to maintain the glazing size would require us to remove the original brick moulds, which are mortised into the jambs and would pose a high risk of their damage. We feel that the presented solution is the most feasible, as it ensures preservation of the original trim and brick moulds that still remain. Trim and brick mould destroyed by fire will be milled to match the original features in dimension and profile.

The historic leaded glass attic window and two third floor windows currently located beneath it on the south facade will be restored and placed on the north facade, where the original windows were destroyed by fire on the primary elevation. A louvered vent is proposed for the oval opening and new historic replica windows in the other openings on the south facade

This proposed scope of work meets the Secretary of Interior Standards for Rehabilitation #6 as referenced above, and Secretary of Interior Standards for Rehabilitation #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. and should be approved.

### **Door Replacement**

The owner proposes to replace two non-historic age insulated steel doors and steel security doors, one at the rear facade (kitchen porch), and the other on the south elevation of the service wing (grade entry leading to the basement) with new, fiberglass doors with an insulated glass vision lite. Please refer to the attached cut sheet. All exterior doors will be painted Black.

This proposed scope of work meets the Secretary of Interior Standards for Rehabilitation #6 as referenced above, and Secretary of Interior Standards for Rehabilitation #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. and should be approved.

## **Exterior Lighting**

Only one exterior light fixture remains, and it is not of historic age. The owner plans to replace it, and install new wall-mounted exterior wall sconces at each exterior door. Cut sheets for the lighting are attached. This proposed scope of work meets the Secretary of Interior Standards for Rehabilitation #9, as referenced above.

## **Rooftop Scope of Work**

The roof is a steeply pitched asphalt shingle roof with a small overhang around all four sides. The existing roofing material is a black asphalt architectural shingle that was approved previously by HDC staff. There are currently no gutters on the building, increasing the amount of water infiltration that the building is suffering.

The original gutters were built-in box-style gutters, which rotted the soffits and were removed decades ago. We are proposing new, 6" aluminum K-Style gutters and downspouts. Cut sheets for the gutters and accessories are attached. The gutters will be factory finished to match the owner's selected trim color. This proposed scope of work meets the Secretary of Interior Standards for Rehabilitation #6 and 9, as referenced above.

## **Sitework**

The owner proposes to install a new 6 foot tall wood privacy fence along the Lafayette side and an 8 foot tall fence with an opening gate parallel to the public alley in the rear of the property as shown on the architectural site plan. This fence replaces a previous fence that was removed by the prior owner after the fire. A cut sheet for the proposed fence is included. The fence will be stained brown in color such to be harmonious with the rest of the building and surrounding landscape.

Additionally, the owner proposes to erect a 3 foot high picket fence extending from the residence to Seminole Avenue along the Lafayette Blvd. right of way to prevent pedestrians from using the front yard as a shortcut. This front yard fencing is allowable per the exemption for corner lots in the Commission's Fence & Hedge Guidelines. The fence will be stained brown in color such to be harmonious with the rest of the building and surrounding landscape. Once a stain is selected for both fences it will be submitted to HDC staff for review and approval.

This proposed scope of work meets the Secretary of Interior Standards for Rehabilitation #9 as referenced above, and the Detroit Historic District Commission's Fence & Hedge Guidelines.

## **Conclusion**

The items listed above and attached exhibits provide a synopsis of the Owner's proposed scope of work for the rehabilitation of the building at 791 Seminole Avenue. All of the proposed rehabilitation work



meets the Secretary of Interior Standards for Rehabilitation Nos. 1-9, as well as the specific standards mentioned above. As such, we believe that this plan should be approved.

Sincerely,  
Infuz Architects Ltd.

A handwritten signature in black ink, appearing to read 'Allan Machielse'.

Allan Machielse, RA, NCARB  
Architect

## Scope of Work

- Replacement of 35 non-historic era windows in existing openings with new aluminum clad wood windows with simulated divided lites. Existing historic trim and brick moulds to remain.
- Repair, restoration & reinstallation of 9 original leaded glass windows
- Removal of failing exterior stucco and restoration of original underlying wood clapboard siding. Replacement of damaged wood clapboards in-kind. Restoration of existing remaining historic trim elements as required. Replacement of missing trim elements, including vertical corner boards at all building corners, and arched window hoods above the east facade second story windows. Paint the entire building.
- Parging and painting of existing brick chimneys.
- Replacement of two non-historic age insulated steel doors and steel security doors with new, fiberglass doors with an insulated glass vision lite.
- Replace existing non-historic age front porch light fixture. Install new wall-mounted exterior wall sconces at each exterior door.
- Replacement of and installation of new aluminum gutters
- Install a new 6 foot tall wood privacy fence along the Lafayette side of the property and an 8 foot tall fence with an opening gate parallel to the public alley in the rear of the property.
- Erect a 3 foot high wood picket fence extending from the residence to Seminole Avenue along the Lafayette Blvd property line



THIS IS A 3-PAGE FORM - ALL INFORMATION IS REQUIRED FOR PROJECT REVIEW

# HISTORIC DISTRICT COMMISSION PROJECT REVIEW REQUEST

City of Detroit - Planning & Development Department  
2 Woodward Avenue, Suite 808  
Detroit, Michigan 48226

Date: \_\_\_\_\_

## PROPERTY INFORMATION

ADDRESS: \_\_\_\_\_ AKA: \_\_\_\_\_

HISTORIC DISTRICT: \_\_\_\_\_

SCOPE OF WORK: (Check ALL that apply)

<input type="checkbox"/> Windows/ Doors	<input type="checkbox"/> Roof/Gutters/ Chimney	<input type="checkbox"/> Porch/ Deck	<input type="checkbox"/> Landscape/Fence/ Tree/Park	<input type="checkbox"/> General Rehab
<input type="checkbox"/> New Construction	<input type="checkbox"/> Demolition	<input type="checkbox"/> Addition	<input type="checkbox"/> Other: _____	

## APPLICANT IDENTIFICATION

Property Owner/  
Homeowner

Contractor

Tenant or  
Business Occupant

Architect/Engineer/  
Consultant

NAME: \_\_\_\_\_ COMPANY NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_ CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

PHONE: \_\_\_\_\_ MOBILE: \_\_\_\_\_ EMAIL: \_\_\_\_\_

## PROJECT REVIEW REQUEST CHECKLIST

Please attach the following documentation to your request:

**\*PLEASE KEEP FILE SIZE OF ENTIRE SUBMISSION UNDER 30MB\***

- Completed Building Permit Application** (highlighted portions only)
- ePLANS Permit Number** (only applicable if you've already applied for permits through ePLANS)
- Photographs** of ALL sides of existing building or site
- Detailed photographs** of location of proposed work (photographs to show existing condition(s), design, color, & material)
- Description of existing conditions** (including materials and design)
- Description of project** (if replacing any existing material(s), include an explanation as to why replacement--rather than repair--of existing and/or construction of new is required)
- Detailed scope of work** (formatted as bulleted list)
- Brochure/cut sheets** for proposed replacement material(s) and/or product(s), as applicable

### NOTE:

Based on the scope of work, additional documentation may be required.

See [www.detroitmi.gov/hdc](http://www.detroitmi.gov/hdc) for scope-specific requirements.

Upon receipt of this documentation, staff will review and inform you of the next steps toward obtaining your building permit from the Buildings, Safety Engineering and Environmental Department (BSEED) to perform the work.

**SUBMIT COMPLETED REQUESTS TO [HDC@DETROITMI.GOV](mailto:HDC@DETROITMI.GOV)**

# P2 - BUILDING PERMIT APPLICATION

Date: \_\_\_\_\_

## PROPERTY INFORMATION

Address: \_\_\_\_\_ Floor: \_\_\_\_\_ Suite#: \_\_\_\_\_ Stories: \_\_\_\_\_

AKA: \_\_\_\_\_ Lot(s): \_\_\_\_\_ Subdivision: \_\_\_\_\_

Parcel ID#(s): \_\_\_\_\_ Total Acres: \_\_\_\_\_ Lot Width: \_\_\_\_\_ Lot Depth: \_\_\_\_\_

Current Legal Use of Property: \_\_\_\_\_ Proposed Use: \_\_\_\_\_

Are there any existing buildings or structures on this parcel?  Yes  No

## PROJECT INFORMATION

**Permit Type:**  New  Alteration  Addition  Demolition  Correct Violations

Foundation Only  Change of Use  Temporary Use  Other: \_\_\_\_\_

Revision to Original Permit #: \_\_\_\_\_ (Original permit has been issued and is active)

**Description of Work** (Describe in detail proposed work and use of property, attach work list)

MBC use change  No MBC use change

**Included Improvements** (Check all applicable; these trade areas require separate permit applications)

HVAC/Mechanical  Electrical  Plumbing  Fire Sprinkler System  Fire Alarm

### Structure Type

New Building  Existing Structure  Tenant Space  Garage/Accessory Building

Other: \_\_\_\_\_ Size of Structure to be Demolished (LxWxH) \_\_\_\_\_ cubic ft.

Construction involves changes to the floor plan?  Yes  No

(e.g. interior demolition or construction to new walls)

Use Group: \_\_\_\_\_ Type of Construction (per current MI Bldg Code Table 601) \_\_\_\_\_

**Estimated Cost of Construction** \$ \_\_\_\_\_ By Contractor \$ \_\_\_\_\_ By Department

### Structure Use

Residential-Number of Units: \_\_\_\_\_  Office-Gross Floor Area \_\_\_\_\_  Industrial-Gross Floor Area \_\_\_\_\_

Commercial-Gross Floor Area: \_\_\_\_\_  Institutional-Gross Floor Area \_\_\_\_\_  Other-Gross Floor Area \_\_\_\_\_

Proposed No. of Employees: \_\_\_\_\_ List materials to be stored in the building: \_\_\_\_\_

**PLOT PLAN SHALL BE submitted on separate sheets and shall show all easements and measurements (must be correct and in detail). SHOW ALL streets abutting lot, indicate front of lot, show all buildings, existing and proposed distances to lot lines.** (Building Permit Application Continues on Next Page)

### For Building Department Use Only

Intake By: \_\_\_\_\_ Date: \_\_\_\_\_ Fees Due: \_\_\_\_\_ DngBld?  No

Permit Description: \_\_\_\_\_

Permit #: \_\_\_\_\_ Current Legal Land Use: \_\_\_\_\_ Proposed Use: \_\_\_\_\_

Permit#: \_\_\_\_\_ Date Permit Issued: \_\_\_\_\_ Permit Cost: \$ \_\_\_\_\_

Zoning District: \_\_\_\_\_ Zoning Grant(s): \_\_\_\_\_

Lots Combined?  Yes  No (attach zoning clearance)

**Revised Cost** (revised permit applications only) Old \$ \_\_\_\_\_ New \$ \_\_\_\_\_

Structural: \_\_\_\_\_ Date: \_\_\_\_\_ Notes: \_\_\_\_\_

Zoning: \_\_\_\_\_ Date: \_\_\_\_\_ Notes: \_\_\_\_\_

Other: \_\_\_\_\_ Date: \_\_\_\_\_ Notes: \_\_\_\_\_



**IDENTIFICATION** (All Fields Required)

**Property Owner/Homeowner**  Property Owner/Homeowner is Permit Applicant

Name: \_\_\_\_\_ Company Name: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Mobile: \_\_\_\_\_

Driver's License #: \_\_\_\_\_ Email: \_\_\_\_\_

**Contractor**  Contractor is Permit Applicant

Representative Name: \_\_\_\_\_ Company Name: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Mobile: \_\_\_\_\_ Email: \_\_\_\_\_

City of Detroit License #: \_\_\_\_\_

**TENANT OR BUSINESS OCCUPANT**  Tenant is Permit Applicant

Name: \_\_\_\_\_ Phone: \_\_\_\_\_ Email: \_\_\_\_\_

**ARCHITECT/ENGINEER/CONSULTANT**  Architect/Engineer/Consultant is Permit Applicant

Name: \_\_\_\_\_ State Registration#: \_\_\_\_\_ Expiration Date: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Mobile: \_\_\_\_\_ Email: \_\_\_\_\_

**HOMEOWNER AFFIDAVIT** (Only required for residential permits obtained by homeowner.)

I hereby certify that I am the legal owner and occupant of the subject property and the work described on this permit application shall be completed by me. I am familiar with the applicable codes and requirements of the City of Detroit and take full responsibility for all code compliance, fees and inspections related to the installation/work herein described. I shall neither hire nor sub-contract to any other person, firm or corporation any portion of the work covered by this building permit.

Print Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
(Homeowner)

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_ A.D. \_\_\_\_\_ County, Michigan

Signature: \_\_\_\_\_ My Commission Expires: \_\_\_\_\_  
(Notary Public)

**PERMIT APPLICANT SIGNATURE**

I hereby certify that the information on this application is true and correct. I have reviewed all deed restrictions that may apply to this construction and am aware of my responsibility thereunder. I certify that the proposed work is authorized by the owner of the record and I have been authorized to make this application as the property owner(s) authorized agent. Further I agree to conform to all applicable laws and ordinances of jurisdiction. **I am aware that a permit will expire when no inspections are requested and conducted within 180 days of the date of issuance or the date of the previous inspection and that expired permits cannot be**

Print Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
(Permit Applicant)

Driver's License #: \_\_\_\_\_ Expiration: \_\_\_\_\_

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_ A.D. \_\_\_\_\_ County, Michigan

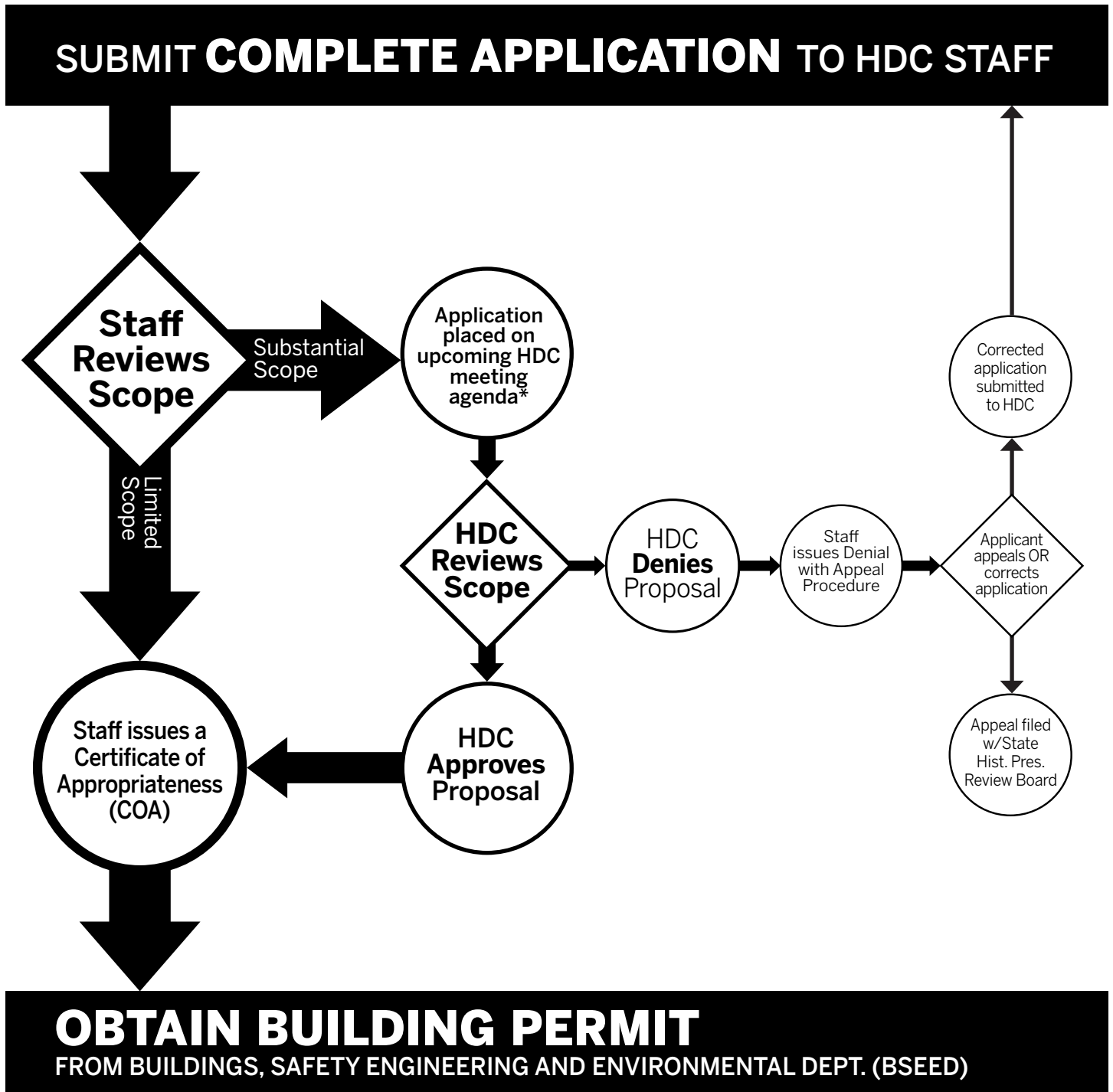
Signature: \_\_\_\_\_ My Commission Expires: \_\_\_\_\_  
(Notary Public)

**Section 23a of the state construction code act of 1972, 1972PA230, MCL 125.1523A, prohibits a person from conspiring to circumvent the licensing requirements of this state relating to persons who are to perform work on a residential building or a residential structure. Visitors of Section 23a are subject to civil fines.**

This application can also be completed online. Visit [detroitmi.gov/bseed/elaps](http://detroitmi.gov/bseed/elaps) for more information.



# HISTORIC DISTRICT COMMISSION REVIEW & PERMIT PROCESS

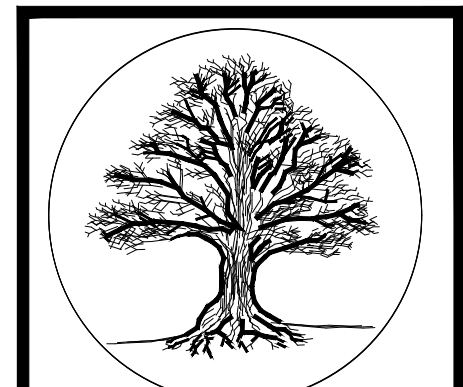


## OBTAIN BUILDING PERMIT

FROM BUILDINGS, SAFETY ENGINEERING AND ENVIRONMENTAL DEPT. (BSEED)

\* THE COMMISSION MEETS REGULARLY AT LEAST ONCE PER MONTH, TYPICALLY ON THE SECOND WEDNESDAY OF THE MONTH. (SEE WEBSITE FOR MEETING SCHEDULE/AGENDAS)

FIND OUT MORE AT [www.detroitmi.gov/hdc](http://www.detroitmi.gov/hdc)



**Oakwood Design**

Oakwood Cottage  
31805 Bond Blvd.  
Farmington Hills, MI 48334

Office: 248-254-5420  
Oakwooddesign@gmail.com

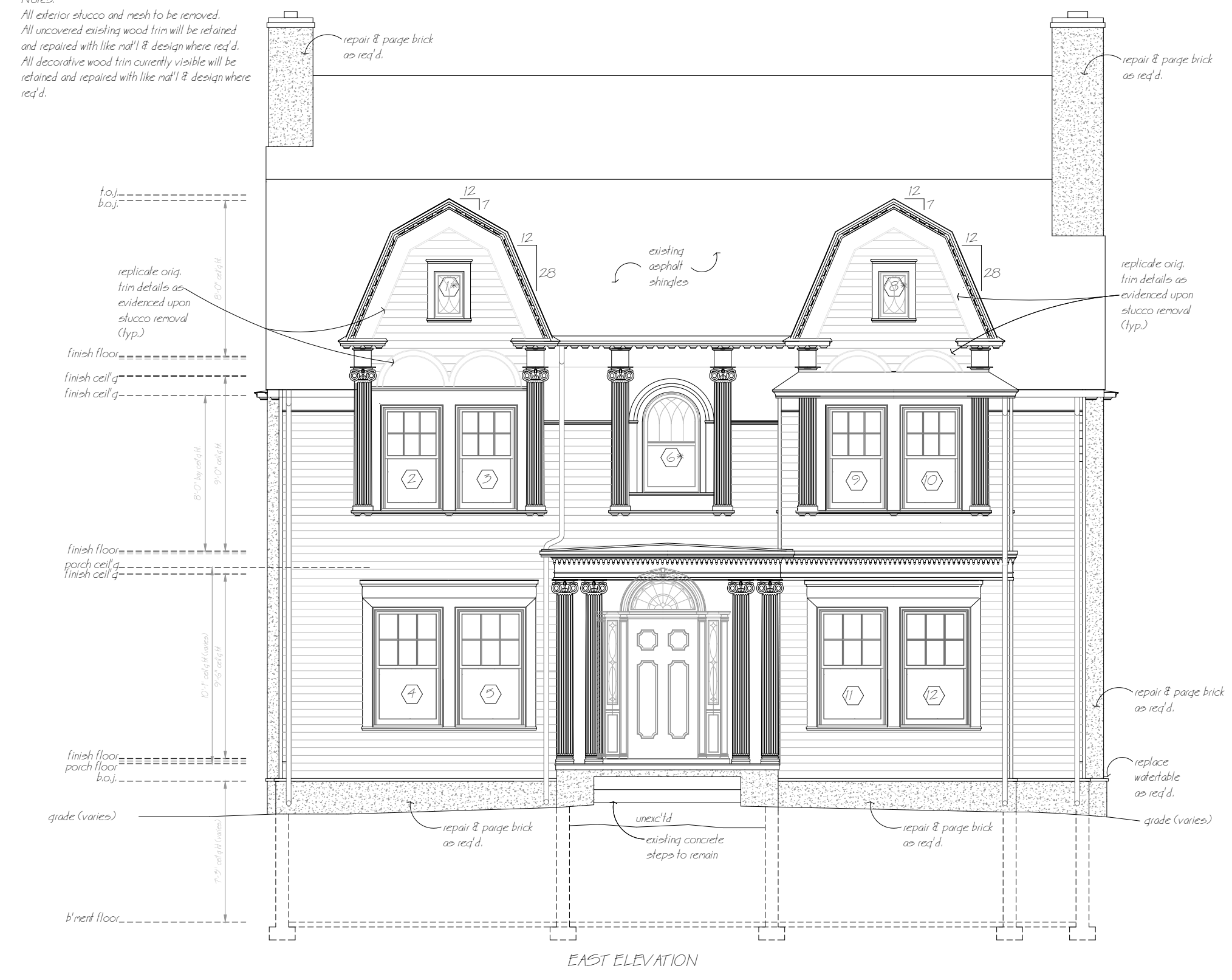
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GRABOWSKI RESIDENCE  
791 SEMINOLE  
DETROIT, MI 48214

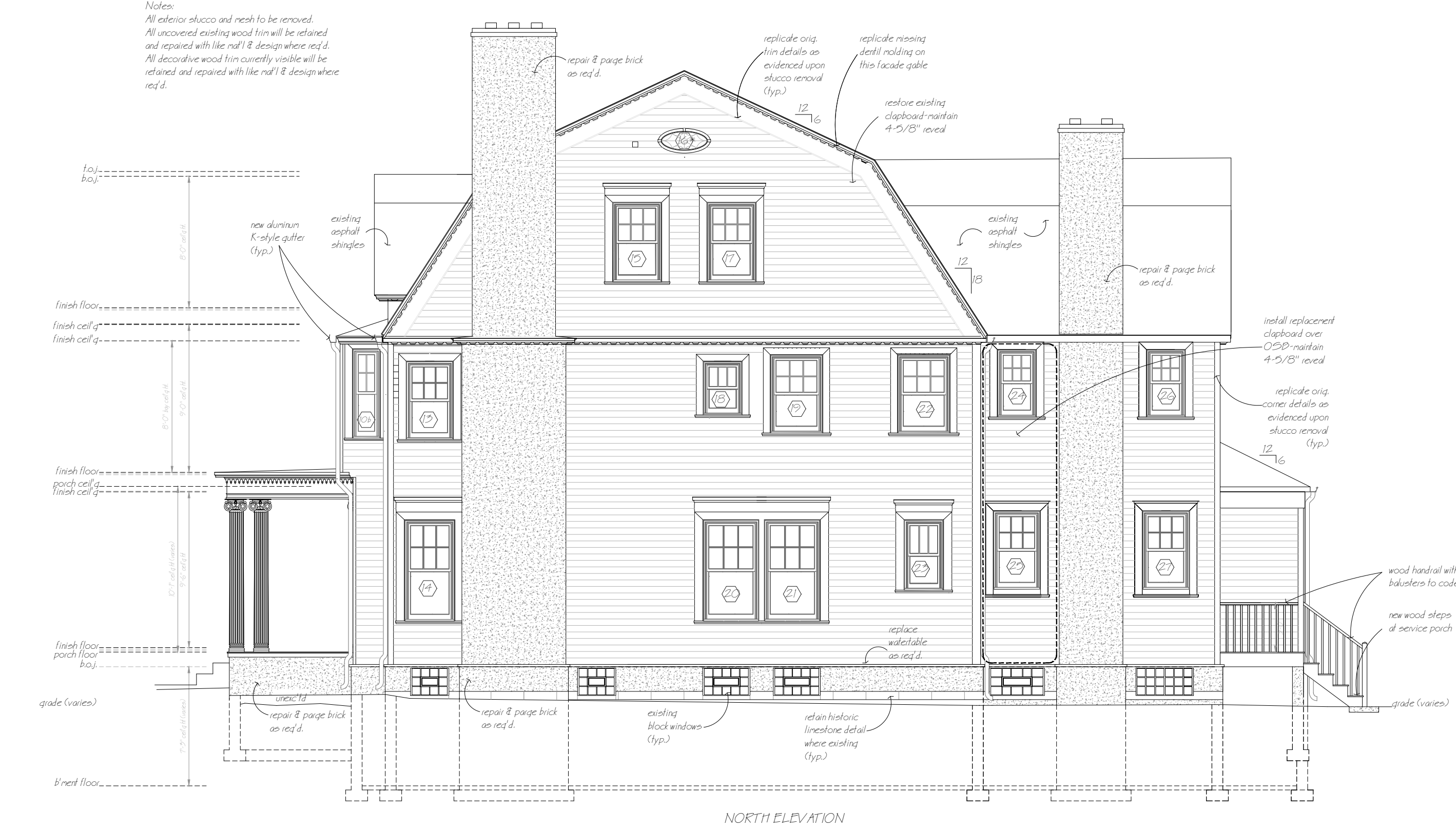
Notes:

All exterior stucco and mesh to be removed.  
All uncovered existing wood trim will be retained  
and repaired with like raft & design where req'd.  
All decorative wood trim currently visible will be  
retained and repaired with like raft & design where  
req'd.



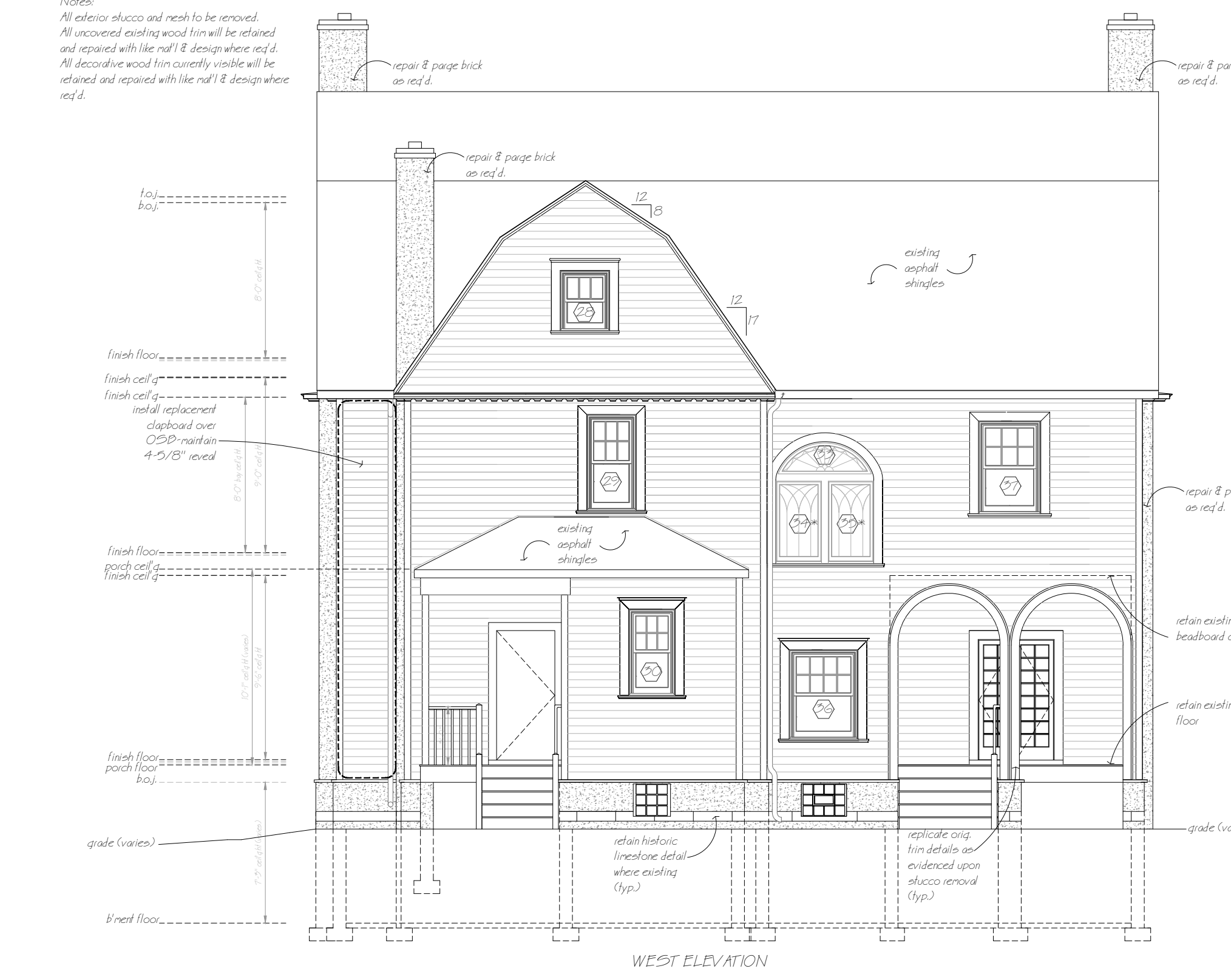
Notes:

All exterior stucco and mesh to be removed.  
All uncovered existing wood trim will be retained  
and repaired with like raft & design where req'd.  
All decorative wood trim currently visible will be  
retained and repaired with like raft & design where  
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Notes:

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All uncovered existing wood trim will be retained  
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All decorative wood trim currently visible will be  
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Notes:

All exterior stucco and mesh to be removed.  
All uncovered existing wood trim will be retained  
and repaired with like raft & design where req'd.  
All decorative wood trim currently visible will be  
retained and repaired with like raft & design where  
req'd.



DRAWING TITLE		
EXTERIOR ELEVATIONS		
SCALE		
1/4" = 1'-0"		
DRAWN BY		
K.A.K.		
CHECKED BY		
ISSUE DATE:		
4-8-21		
REVISED	DATE	COMMENTS
PHASE		
SCHEMATIC		
SHEET No.		
A.300		

# 791 Seminole Window Restoration & Replacement

Presented by the Grabowskis

# East Elevation



# East Left

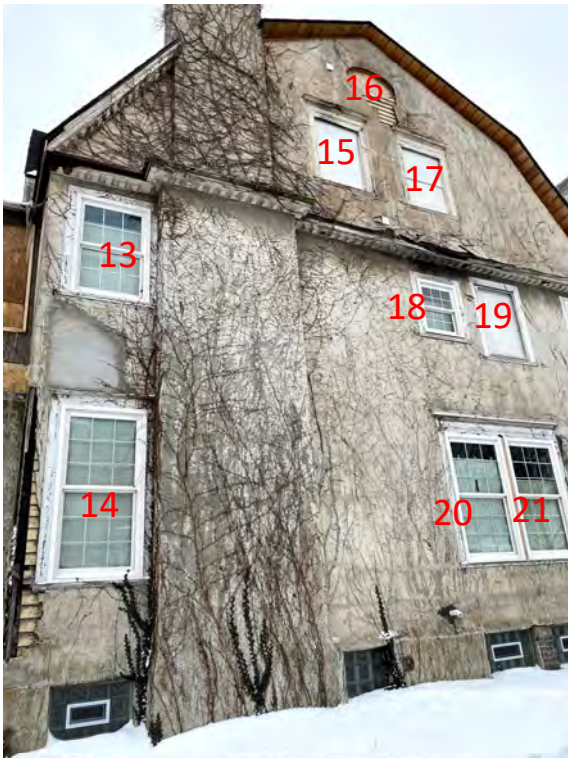




# East Right



# North Corner



# North Mid



# North Rear



# West



# West Porch



# Facing 779 Seminole



**Window  
Schedule**

**Grabowski  
Residence  
791  
Seminole,  
Detroit, MI  
48214**



**Oakewood Design**  
31805 Bond Blvd.  
Farmington Hills, MI  
248-254-3420

Ref.	Floor	Room	Elevation	Proposed	Configuration	Pair	Site Measure	Install Notes
1	3	Family Room	East	Restore	Leaded glass casement		n/a	Replace Glass in Original Frame
2	2	Bedroom 2	East	New	6 over 1 double hung	#3	40x65.5	Interior Frame Repair
3	2	Bedroom 2	East	New	6 over 1 double hung	#2	40x65.5	
4	1	Living Room	East	New	6 over 1 double hung	#5	44.125x73.875	Interior Frame Repair, Interior Stain
5	1	Living Room	East	New	6 over 1 double hung	#4	44.125x73.875	Interior Frame Repair, Interior Stain
6	2	Bedroom 2	East	Restore	Leaded Glass half round top single hung		n/a	
7	2	Master Bdrm	East	New	4 over 1 double hung	#9,10	22.125x65	
8	3	Family Room	East	Restore	Leaded glass		n/a	Replace Glass in Original Frame
9	2	Master Bdrm	East	New	6 over 1 double hung	#10	40.375x65	
10	2	Master Bdrm	East	New	6 over 1 double hung	#9	40.375x65	
10b	2	Master Bdrm	East	New	4 over 1 double hung	#9,10	22.125x65	No Pocket Board
11	1	Dining Room	East	New	6 over 1 double hung	#12	44.125x73.875	Interior Stain
12	1	Dining Room	East	New	6 over 1 double hung	#11	44.125x73.875	Interior Stain
13	2	Master Bdrm	North	New	6 over 1 double hung		36.125x56.125	
14	1	Dining Room	North	New	6 over 1 double hung		36.125x73.875	Interior Stain
15	3	Family Room	North	Restore	Leaded top sash, over 1 double hung	#17	36.25x53.25	Replace Glass & Relocate from South #39
16	4	Attic	North	Restore	Elliptical Leaded original, fixed		n/a	Restore Glass & Relocated from #41 South
17	3	Family Room	North	Restore	Leaded top sash, over 1 double hung	#15	36.25x53.25	Replace Glass & Relocate from South #40
18	2	Master Bath	North	New	3 over 1, double hung		31x39.375	No Pocket Board, Obsured Glass
19	2	Bedroom 3	North	New	6 over 1 double hung	#22	38x56	
20	1	Great Room	North	New	6 over 1 double hung	#21	42.25x73.5	
21	1	Great Room	North	New	6 over 1 double hung	#20	42.25x73.5	
22	2	Bedroom 3	North	New	6 over 1 double hung	#18	38x56	
23	1	Powder Room	North	New	3 over 1, double hung		30.125x49.125	Obscured Glass
24	2	Bedroom 4	North	New	6 over 1 double hung	#26	30.125x56.25	Interior Frame Repair
25	1	Great Room	North	New	6 over 1 double hung	#27	32x54	
26	2	Bedroom 4	North	New	6 over 1 double hung	#24	30.125x56.25	
27	1	Great Room	North	New	6 over 1 double hung	#25	32x54	
28	3	Family Room	West	New	3 over 1, double hung		37.875x32.25	
29	2	Bedroom 4	West	New	6 over 1 double hung		30.125x56.25	
30	1	Mudroom	West	New	6 over 1 double hung		28.25x49.625	
31	2	Rear Stairs	South	New	6 over 1 double hung		32x67.5	Tempered Glass
32	1	Basement Stairs	South	New	4 over 1 double hung		26x62.25	
33	2	Main Stair	West	Restore	half eclipse original fixed	#34,35	n/a	
34	2	Main Stair	West	Restore	Leaded glass casement	#35	n/a	
35	2	Main Stair	West	Restore	Leaded glass casement	#34	n/a	
36	1	Rear Hall	West	New	8 over 1, double hung		42x54.75	
37	2	Bedroom 5	West	New	6 over 1 double hung	#38	40x56	
38	2	Bedroom 5	South	New	6 over 1 double hung	#37	38.125x56	
39	3	Family Room	South	New	6 over 1 double hung	#40	36.25x53.25	
40	3	Family Room	Facing 779 Seminole	New	6 over 1 double hung	#39	36.25x53.25	



41	4	Attic	Facing 779 Seminole	Convert to Vent	Eliptical Leaded original, fixed		n/a	Relocate to #16, convert to vent
42	2	2nd Floor Bath	Facing 779	New	3 over 1, double hung		31.125x39.375	No Pocket Board, Obsured Glass
43	1	Living Room	Facing 779	New	6 over 1 double hung		40.125x73.5	Interior Stain
44	2	Bedroom 2	Facing 779	New	6 over 1 double hung		38.25x56.125	

<b>Window Summary</b>	
Leaded Restoration	9
New Historically Appropriate	35
Convert to Vent	1
<b>Total Opening Count</b>	<b>45</b>

REPLACING YOUR OLD WOOD WINDOWS WITH  
NEW WOOD WINDOWS IS NO LONGER OUT OF THE QUESTION.

# *ClassicFit* SERIES *HistoricFit* SERIES

Wood Replacement Windows by



Quaker's wood clad replacement windows, the Classic Fit™ Series & Historic Fit™ Series, are a triumphant blend of imaginative and diverse designs teamed with an absolute demand for energy-efficiency. Truly the perfect fit every time.

ClassicFit.  
SERIES  
HistoricFit.  
SERIES



## FEATURES & OPTIONS

Some options mentioned may incur an upcharge.  
Not all options are listed or shown. Inquire with your Quaker dealer



If you require a wood replacement window with more attention to historic details, you'll want to choose our Historic Fit<sup>®</sup> Series. Slimmer sightlines and enlarged viewing areas allow the Historic Fit<sup>™</sup> to give your project, large or small, the timeless look it deserves.

Aluminum clad exterior is nearly maintenance free and available in 12 Popular colors, 18 Impressive colors, 7 Resemble colors and Unlimited Custom colors. Got a color in mind? Let us know.

Warm, natural interior is courtesy of radiata pine wood. Alder wood is optional. Ask about custom pre-finished interiors in any color. Also available: Primed interior.

Insulated glass with warm-edge spacer sustains a year-round energy-efficient barrier. Add optional high-efficiency coatings like Low-E or our own Energy Plus<sup>®</sup> glazing package to increase your window's overall effectiveness. For your home's private areas, ask for Obscure glass. Include Tempered Glass where additional safety is required.

Operation is simple and convenient with smooth operating cam locks and one-touch tilt latches

Tailor your windows with grids. Between-the-glass, Applied for a Simulated Divided look or Removable Wood Grids are available.

Better-View<sup>™</sup> fiberglass mesh screens are as good as any on the market. Superior insect protection. Easy to remove. Excellent airflow. Great visibility.

For over 65 years, we've promised to stand behind our products with one of the best warranties in the industry. Consult your dealer for full details.

U-Value: .31

R-Value: 3.23

Solar Heat Gain: 0.26

Values shown are for Double Hung model. They were achieved with optional Low-E & argon gas. Better thermal performance may be available through other optional glazing packages. Consult with your dealer for more information.



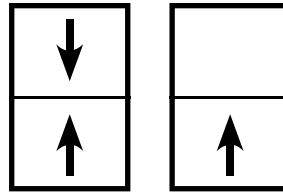
Get more information on *Classic Fit*<sup>™</sup> and *Historic Fit*<sup>™</sup> wood replacement windows from your authorized Quaker Window dealer:

quakerwindows.com • 1-800-347-0438



01-2015





**Classic Fit Series  
R-50  
4 3/4" Frame Depth  
Double Hung/Single Hung**

## CLASSIC FIT SERIES DOUBLE HUNG/SINGLE HUNG

The Quaker Classic Fit Series Double Hung/Single Hung pocket window is ideal for a variety of replacement applications including - Energy Efficient, Apartments, Assisted Living, Schools and Housing Authority.

### FEATURES

- ◇ Commercial Framing System
  - 4 3/4" main frame (overall)
  - 3 1/4" pocket depth
- ◇ Enhanced Design
  - Extruded clad exterior, pine interior
- ◇ Glazing
  - 3/4" insulated glass
- ◇ Hardware
  - Two block and tackle balancers and vinyl step jamb liners
  - Self-aligning cam-type locks
- ◇ Screen
  - Extruded aluminum screen frame with BetterVue™ mesh

### OPTIONS

- ◇ Available Configurations
  - Double Hung
  - Single Hung
- ◇ Muntin Choices
  - Internal, wood removable or simulated divided lites available
- ◇ Hardware
  - Integral plough in every operable sash for lift-up or pull-down purposes
  - Lift assist hardware (top and/or bottom sash)
  - Limited travel hardware
  - Exterior jambliner cover
- ◇ Screen
  - Extruded aluminum screen frame with aluminum wire mesh
  - Extruded aluminum screen frame with sunscreen mesh
  - Extruded aluminum screen frame with stainless steel 0.009" thickness mesh
- ◇ Glazing
  - Capillary tubes
  - Argon gas
  - Wide variety of glazing, tinting and thickness options
- ◇ Mulling
  - Wide variety of structural mulls

### BENEFITS

- ◇ The capacity to match exterior colors for unique project facades
- ◇ The ability to facilitate large sizes for taller and wider window openings

### PERFORMANCE

- ◇ Structural & Thermal (test reports or thermal simulations available upon request)

Model	Double Hung/Single Hung
AAMA/WDMA/CSA 101/IS.2/A440-08 Rating	R-50
Structural Load P.S.F.	75.19
Air at 50 MPH (cfm/ft <sup>2</sup> )	0.04
Water (No Penetration) P.S.F.	7.52
U-Value (with Low-E and Argon)	0.27-0.31
SHGC (with Low-E and Argon)	0.12-0.28

Window test size: 36" x 84"  
Operating Force: 22 lbf (maintain motion), 3 lbf (locks)



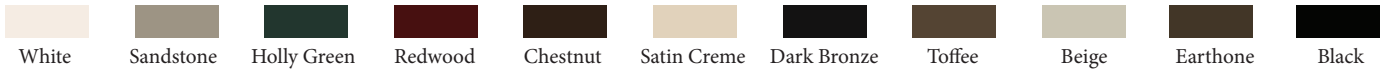
Our products are tested to the standards of and certified by the American Architectural Manufacturer's Association, the National Fenestration Rating Council and the Window & Door Manufacturers Association.



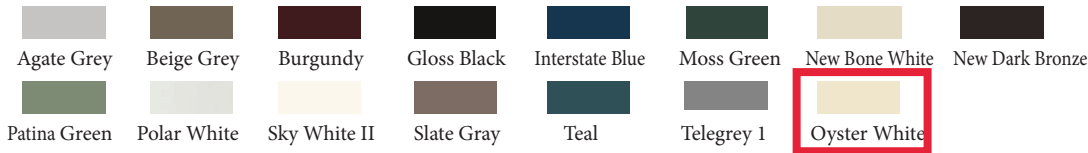
## ARCHITECTURAL PAINT COATINGS AND FINISHES

◇ Baked on powder coat finish meets ANSA/AAMA 2604 specs and is available in unlimited colors

- 11 Popular Colors



- 15 Impressive Colors



- 7 Resemble Colors (painted finish resembling anodized)



- Unlimited Custom Colors

◇ ANSA/AAMA 2605 powder coat finishes

◇ AAMA 611-98 Class I clear and tinted anodized finishes

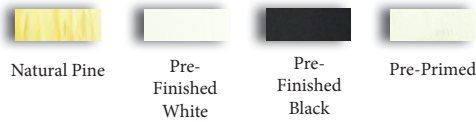
\* Printed colors shown here may not accurately depict actual painted colors. Color samples are available upon request.

## INTERIOR FINISHES

◇ Standard interior is Natural Pine wood

◇ Interior painted finish is available in Pre-Finished white or Pre-Finished black. Custom painted colors available

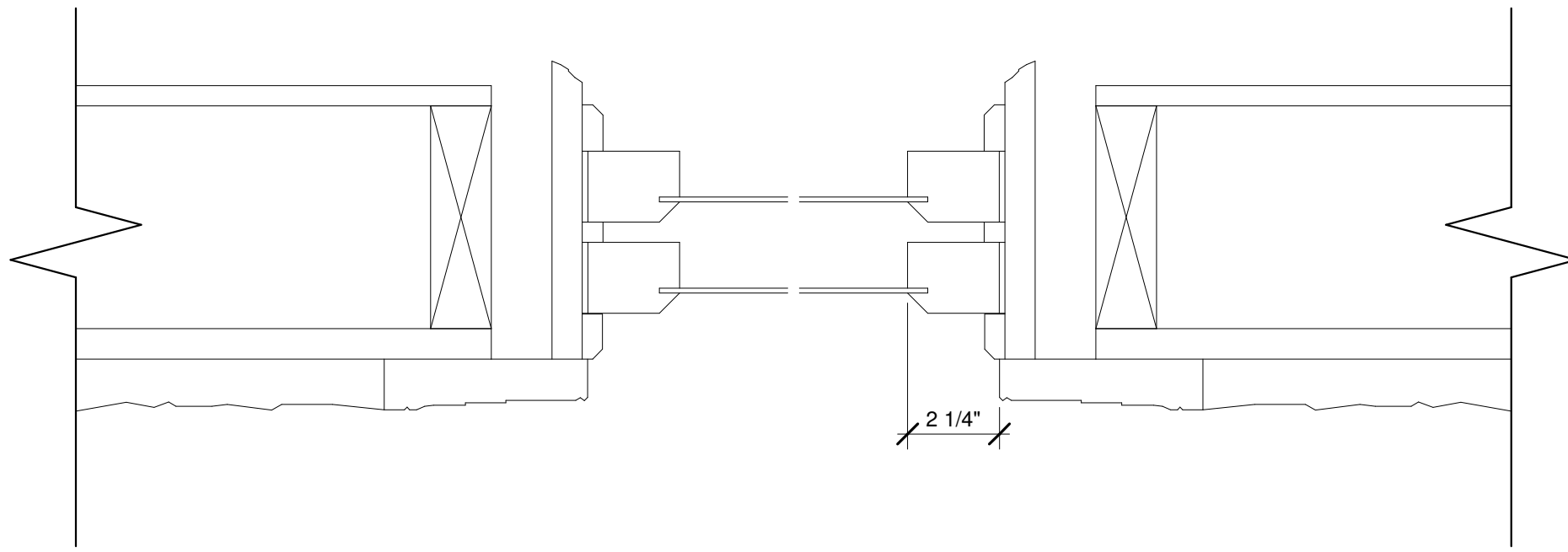
◇ Pre-primed interior is an option



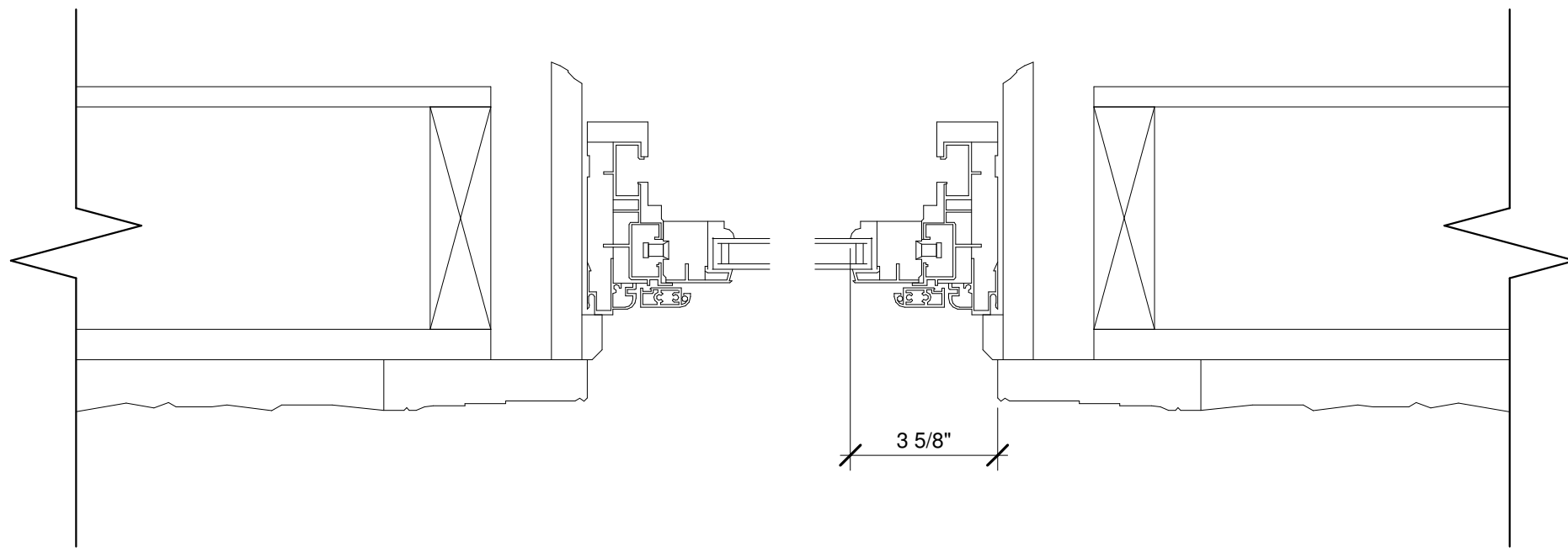
Our products are tested to the standards of and certified by the American Architectural Manufacturer's Association, the National Fenestration Rating Council and the Window & Door Manufacturers Association.



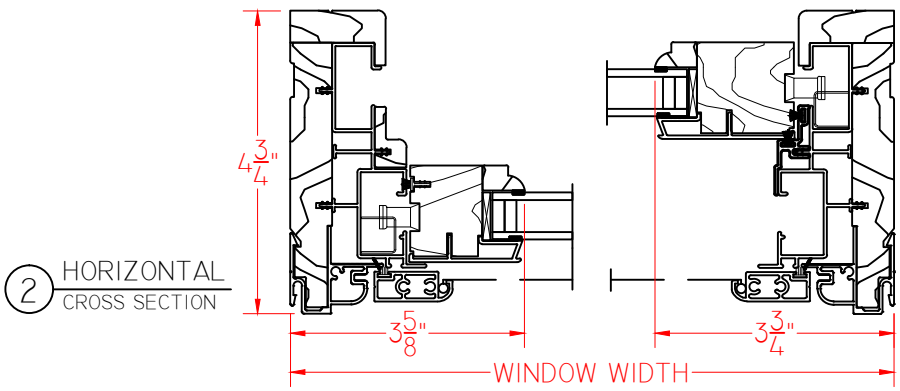
**QUAKER**  
COMMERCIAL WINDOWS AND DOORS



1 **WINDOW DETAIL - EXISTING**  
 3" = 1'-0"

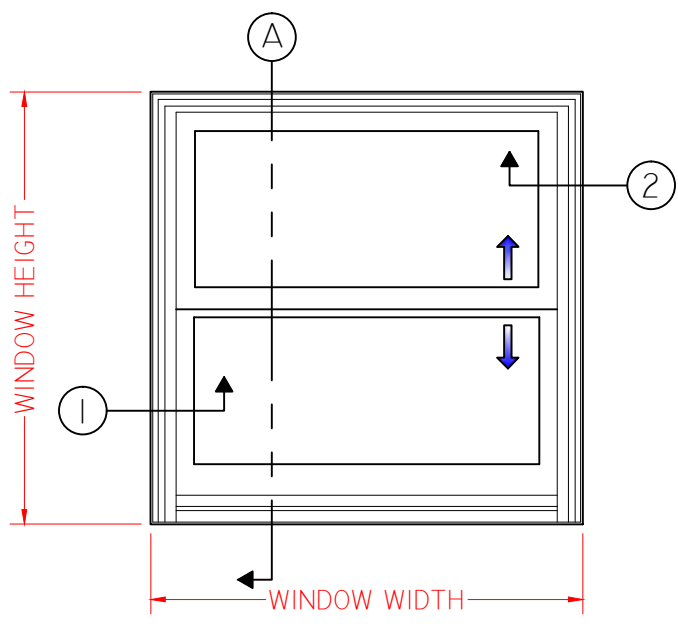
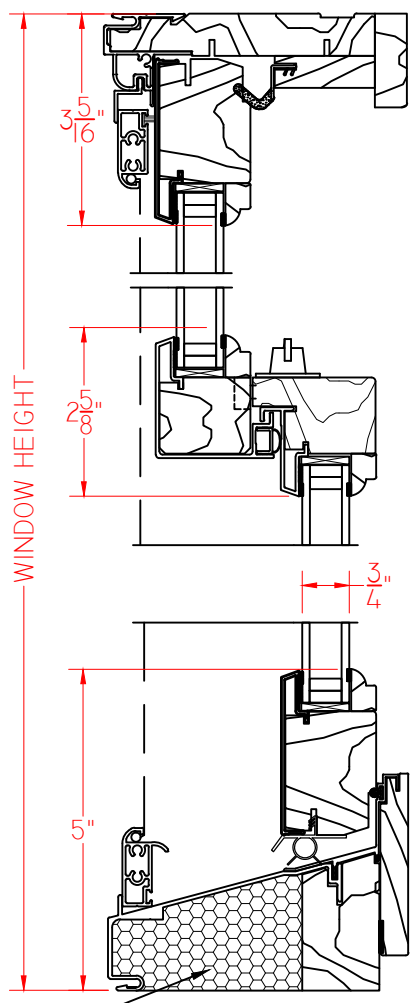


2 **WINDOW DETAIL - QUAKER**  
 3" = 1'-0"



① HORIZONTAL CROSS SECTION

Ⓐ VERTICAL CROSS SECTION



ELEVATION SCALE 3/4" = 1'-0"

INSTALLER TO FILL CAVITY WITH FIBERGLASS INSULATION BEFORE SETTING WINDOW



# Installation Guidelines

## For Quaker Window Products Classic Fit replacement product line (Double Hung, and Fixed Windows)

### Installer:

- **Read these instructions completely before starting any installation.** Failure to install and maintain our product according to these instructions will void any warranty, written or implied.
- These instructions are consistent with ASTM 2112 “Standard Practice for Installation of Exterior Windows, Doors and Skylights” into common wall constructions. Contact your architect or construction professional for installation into other building designs or constructions methods.
- The installer is responsible for consulting the contractor, structural engineer, architect, or consumer, for proper installation according to local codes and/or ordinances.



### Warning:

- Proper eye and hearing protection must always be worn when installing, removing or performing adjustments to Quaker window and door products.
- Use power tools properly! To avoid personal injury, always follow manufacturers’ instructions for safe operation of power tools.
- If broken, glass can fragment causing injury. All Quaker products are available with safety glass. In many areas, local building codes require safety glass in certain locations and/or applications. Unless Quaker’s stipulations dictate safety glass or safety glass is specifically ordered, Quaker windows are not provided with safety glass. Before installing, Quaker recommends consulting local building codes for more definitive information.

### Caution:

- Lead-based paint may be present in older homes, and the removal of windows may cause this paint to be disturbed. In order to minimize exposure to lead-based paint dust, please consult [www.epa.gov/lead](http://www.epa.gov/lead).
- Care must be taken to properly recycle or dispose of old materials. Any recyclable materials should be separated from non-recyclable or hazardous materials. Please consult with local or state authorities regarding proper disposal of non-recyclable or hazardous materials.
- Some codes require the use of pressure treated lumber to line rough openings. Corrosion resistant materials, such as stainless steel or hot-dip galvanized steel, must be used for fasteners and anchors having direct contact with pressure treated lumber.

### Important:

- Quaker reserves the right to change the information contained in these guidelines without notice.
- Maintain a minimum of ¼” between the exterior window frame and any trim, siding or masonry to allow for expansion.
- Window nailing flanges and drip caps (integral or applied) do not take the place of window flashing. All windows and doors must be properly flashed and sealed around the perimeter.
- Use of Quaker products in barrier EIFS systems (synthetic stucco) is not recommended. To do so will void all warranties (written or implied) and Quaker Window Products Co., Inc. will not be held responsible for any claims or damages resulting from water infiltration.
- Do not drill through window sill to install alarm wires.
- If using muriatic acid or brick wash cleaning solutions, please follow the manufacturer’s instructions found on the product label or on the manufacturer’s website.

### Handling and Storage:

- Do not store units outside, or in a hot environment.
- When carrying window, always keep it in a vertical position. **Do not carry flat**, doing so could result in damage to the unit.
- Stack units as straight as possible to avoid bowing. Do not lay flat!





These instructions are for installing Quaker's Classic Fit products into an existing wood window frame. Contact your Quaker window and door supplier for more information on installing units in other wall conditions. Please visit our website at [www.quakerwindows.com](http://www.quakerwindows.com) or call at 1-800-347-0438 for additional literature and information.

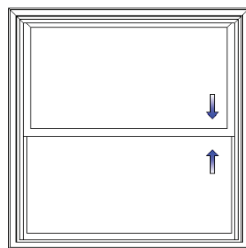
### Tools required by installer:

- Safety Glasses
- Utility knife
- Hammer
- Caulk Gun
- Level
- Pliers
- Tape measure
- Putty knife
- Pry bar

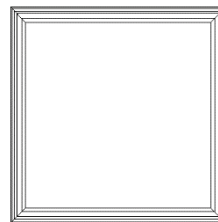


### Materials required by installer:

- Insulation
  - Fiberglass or similar strips
  - Minimally expanding low pressure polyurethane window and door spray foam. **(Must be compliant with AAMA 812-04)**
- Shims
  - Made of cedar or synthetic material
- Screws
  - #8 wood screw or masonry screw 2" long (screw size may vary per wall/framing needs)
- Silicone Sealant
  - 100% silicone ASTM C920 compliant
  - Neutral cure (modified oxime) only
  - Some sub-states made need to be primed before sealing. Consult the sealant supplier.



Double Hung



Picture window



### Step 1: Inspect unit before installation

- A. Remove all shipping packaging material (blocks, pads, protectors, stretch wrap) and dispose/recycle properly.
- B. Inspect unit for any damage or defects, and make sure the unit operates properly.
- C. Verify that the window unit is the correct size and configuration (Fig. 1 & 2).
- D. Contact the nearest Quaker distributor if there is a problem. Provide the sales order number on the warranty sticker (see <http://quakerwindows.com/wp-content/uploads/2013/04/Warranty-sticker-locations01-30-2015.pdf> for sticker locations).

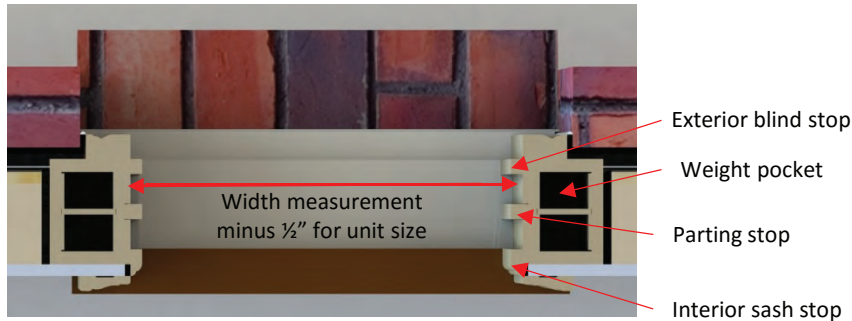


Fig. 1



Fig. 2

**Note:** Take measurements at three locations (head, middle, sill for width and left, middle, right for height). Use the smallest of the three measurements to ensure the replacement window can be installed square, level, plumb in both directions, and with a straight sill.

### Step 2: Remove the existing sashes

- A. Unlock the window. If the sashes are painted shut, use a utility knife to cut the joint between the sashes and frame stops until the sashes are free.
- B. Score paint or varnish along all interior sash stops with a sharp utility knife. Remove interior sash stops at jamb and head using putty knife and pry bar (Fig. 3 & 4). **Be careful** when removing stops so you can reuse them after replacement window is installed.

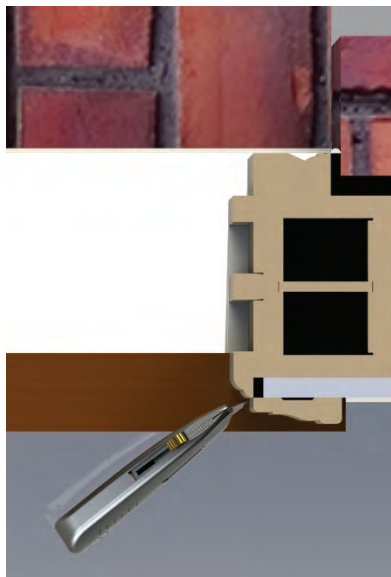


Fig. 3



Fig. 4

### Step 2: Remove existing sashes (cont.)

- C. Cut the balance cords on the bottom sash and remove the sash and dispose of it properly. Allow weights to fall to the bottom of the weight pockets (Fig. 5).
- D. Remove the jamb and head parting stops (if applicable) by pulling or prying them out of the frame (Fig. 6).
- E. Lower the top sash and cut the balance cords. Remove the top sash and dispose of it properly.
- F. Remove the balance chord pulleys (Fig. 7).
- G. Remove any remaining jamb liner material (if applicable).
- H. Insulate the weight pockets and any openings or voids (if desired).



Fig. 5



Fig. 6



Fig. 7

### Step 3: Opening preparation

- A. Inspect the existing window frame. Repair or replace any deteriorated parts.
- B. Clean the opening of all dirt, debris or excess paint. **Note: If using aluminum coil exterior trim, apply it to the sill now.**
- C. Apply flashing tape to the sill. Cut one piece of tape 12" longer than the sill to allow for 6" up each side jamb. Extend the tape up the vertical leg of the stool and trim tape going up the jamb. Make sure the tape doesn't extend past the exterior blind stop, and lap the tape over any coil trim at the sill (Fig. 8)
- D. Check the sill for level or for bowing and shim as needed to level sill (Fig. 9). Place shims about 1/2" from each side and in center with minimum spacing of 16". Attach shims to prevent movement after they are level.



Fig. 8



Fig. 9

#### Step 4: Window preparation

- A. Drill pilot holes (if necessary) in the new window frame.
  - Plan ahead for all holes especially the top. Make sure top pilot hole will not be in the same locations as the weight pulleys.
  - Use a 1/8" drill, and minimum of 3 holes per jamb (Fig. 10).
  - Place holes in center of inside balancer track minimum of 2" from corners, and one in center of the check rail. Tilt the bottom sash in or remove it to place the center pilot hole.
- B. Dry fit the window in the opening.
- C. Measure the distance from the bottom of the window to the existing sill. Remove the window from the opening (Fig. 11)
- D. Cut the sill adapter to the correct height. Use a sharp utility knife to score the sill adapter along the groove. Bend and break off the excess sill adapter material and install on window (Fig. 12-13).

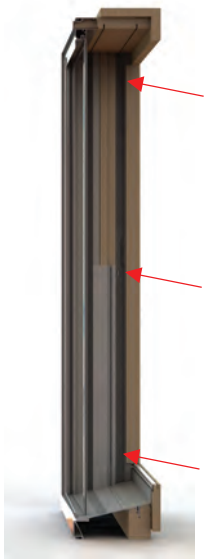


Fig. 10



Measure this distance

Fig. 11



Fig. 12



Fig. 13

### Step 5: Installing the window

- A. Apply a continuous bead of sealant to the interior face of the exterior blind stops at the head and both jambs (Fig. 14).
- B. Place a bead of sealant where the existing stool meets the existing window sill (Fig. 15).
- C. Insert window into the opening. Set the bottom of the window in first and tilt top into place. Make sure the window is centered in opening and press firmly against sealant on blind stops.
- D. Place a shim at each of the pilot hole locations, and insert a screw into one top corner to hold window in place (Fig. 16). Remove sash stop at head of window and replace when screws are tightened.
- E. Check for plumb, level, square and window operation. Make any necessary adjustments to shims and finish installing frame screws (Fig. 17). Raise bottom sash to install bottom screws, and tilt bottom sash in to install center screws.



Fig. 14

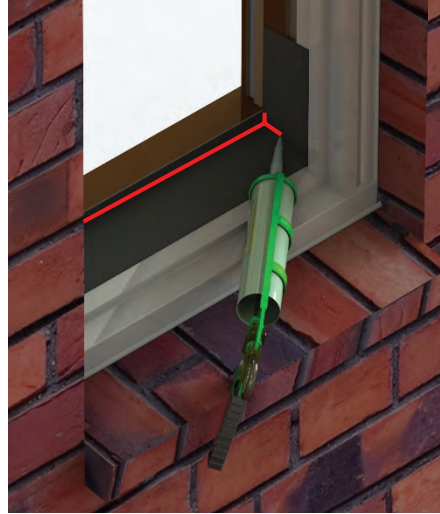


Fig. 15



Fig. 16



**Note:** When installing all installation screws make sure to tighten screw so the screw head is flush or slightly dimpled in so screw doesn't interfere with balance shoe.



Fig. 17



### Step 6: Interior sealant and finish

- A. Insulate between the window frame and the rough opening using minimally expanding window and door spray foam or fiberglass insulation that is compliant with AAMA 812-04. Read and follow the manufacturers' recommendations for application and use (Fig. 18).
- B. Operate window unit to ensure proper operation. Sash will not operate correctly if window is out of square, over-shimmed or over-insulated.
- C. Allow foam to fully cure before installing interior trim.
- D. Install interior stops that were remove earlier or cut new stops (Fig. 19).



Fig. 18



Fig. 19



Fig. 20

### Step 7: Sealing the Exterior

- A. If total frame replacement in brick or siding was preformed maintain a minimum of ¼" between the window frame, trim, siding, or masonry. Failure to do so will forfeit all warranties (written or implied).
- B. Apply backer rod (if needed) and a continuous bead of sealant between the window frame and exterior finish material on all four sides of unit. Make sure to clean all surfaces before applying 100% neutral cure silicone sealant (some surfaces may need to be primed so check with sealant supplier) (Fig 20).

### Care and Use

An inspection of your windows should be made annually. Visit the Quaker website <http://quakerwindows.com/wp-content/uploads/2013/05/Quaker-Window-Care-Maintenance.pdf> or contact your local independent Quaker distributor for information on the care and use of your product. Ask for the Window Care & Maintenance Guide.

# COLOR SYSTEM C

**ASSOCIATED ARCHITECTURAL STYLES:** (16) COLONIAL REVIVAL, (17) NEO-DUTCH COLONIAL, (18) NEO-GEORGIAN, (19) POST-DEPRESSION COLONIAL

As the nineteenth century waned, American domestic architecture began to return to simpler lines inspired in part by our colonial past. With this revival paint colors also changed. Body colors moved towards the pastels; white again became the most popular trim color and was even used for sash. This trend developed in the 1890s, but only for colonial and classically inspired houses; the darker colors found in the High and Late Victorian Styles continued to be popular and it would be inappropriate to use the colonial colors listed for houses not in the Colonial Revival style. Knowledge of true colonial colors was primitive in the late 19th and early 20th centuries. The so-called "Williamsburg" dark reds, uniform blues and greens that resulted from early studies to discover colors used in the colonial era were actually decades in the future.

For the stucco or clapboard, frame colonial, yellow was the most popular body color, although gray or blue was used. Normally these were then trimmed with white or ivory on the cornice, cornerboards, window frames, sash, etc., depending on which gave the lesser contrast. The yellow, gray and blue were less often used as trimming colors for masonry houses where the darker red brick or stone usually was accompanied by white or ivory trim and dark green shutters.



# COLOR SYSTEM C

## ACCEPTABLE COLOR COMBINATIONS \*MS = MUNSELL STANDARD

BODY	TRIM	SASH	SHUTTERS
A:3, A:4, C:1, C:2, C:3, C:4, C:5	C:4, C:5	Match trim color or occasionally B:19	Match trim color or A:8, B:11, B:12, B:13, B:17
Dark brick or stone	A:3, A:4, C:1, C:2, C:3, with C:4, C:5 preferred	Match trim color or occasionally B:19	Match trim color or A:8, B:11, B:12, B:13, B:17



**A:3 Light Yellow**  
MS: 5Y 8/6



**A:4 Pale Yellow**  
MS: 2.5Y 8.5/4



**A:8 Blackish Green**  
MS: 2.5BG 2/2



**B:3 Light Yellow**  
MS: 2.5Y 8/6



**B:11 Grayish Olive Green**  
MS: 5GY 4/2



**B:12 Grayish Green**  
MS: 10G 4/2



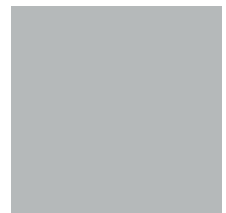
**B:13 Moderate Olive Brown**  
MS: 2.5Y 4/4



**B:17 Light Olive**  
MS: 10Y 5/4



**B:19 Black**  
MS: N 0.5/



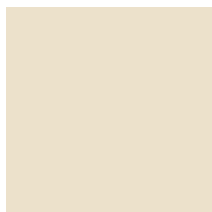
**C:1 Light Bluish Gray**  
MS: 10B 7/1



**C:2 Light Yellow**  
MS: 2.5Y 8.5/6



**C:3 Pale Blue**  
MS: 10B 6/4



**C:4 Yellowish White**  
MS: 5Y 9/1



**C:5 Yellowish White**  
MS: 2.5Y 9/2

Benjamin Moore HC-145  
Van Cortland Blue

Benjamin Moore HC-27  
Monterrey White

**FIND OUT MORE!** [www.detroitmi.gov/hdc](http://www.detroitmi.gov/hdc)

**SUBMIT ALL DOCUMENTATION TO: [hdc@detroitmi.gov](mailto:hdc@detroitmi.gov)**





MONTERREY WHITE

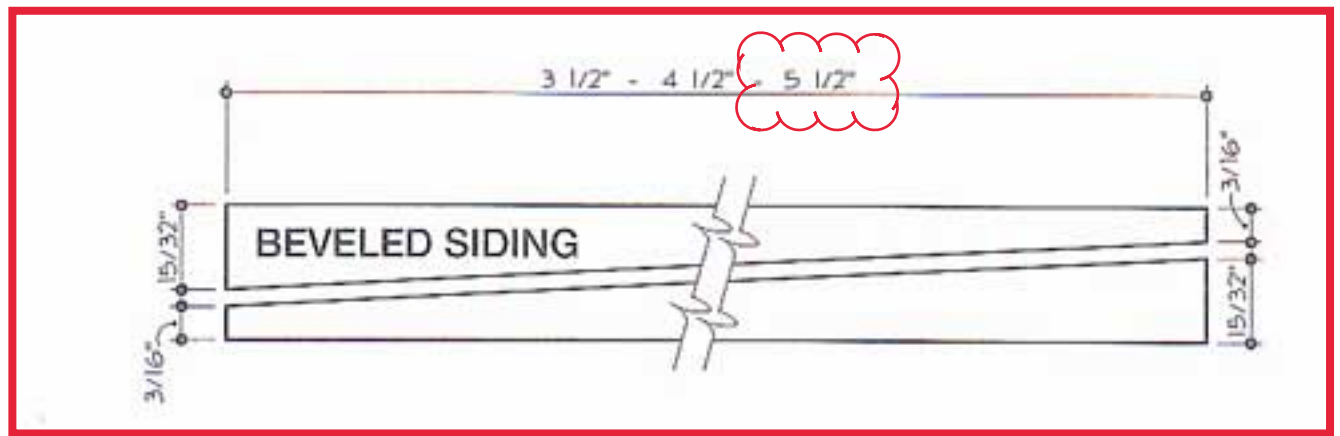
VAN COURTLAND  
BLUE



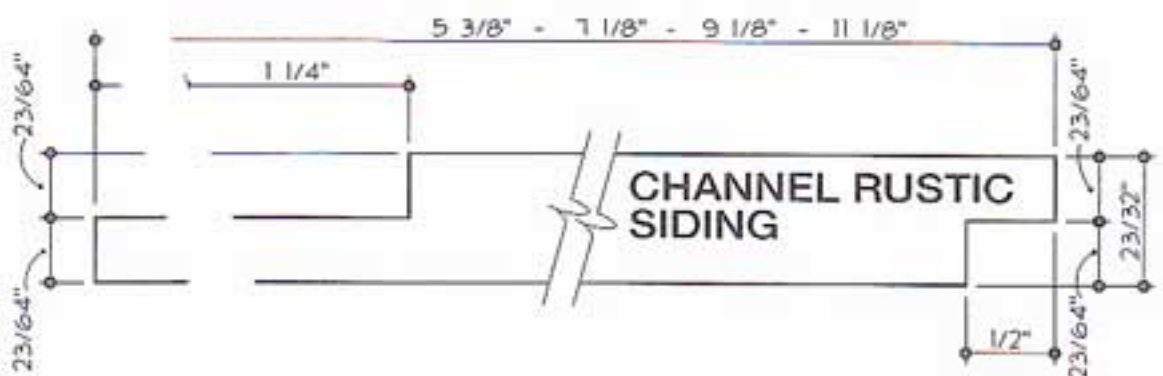
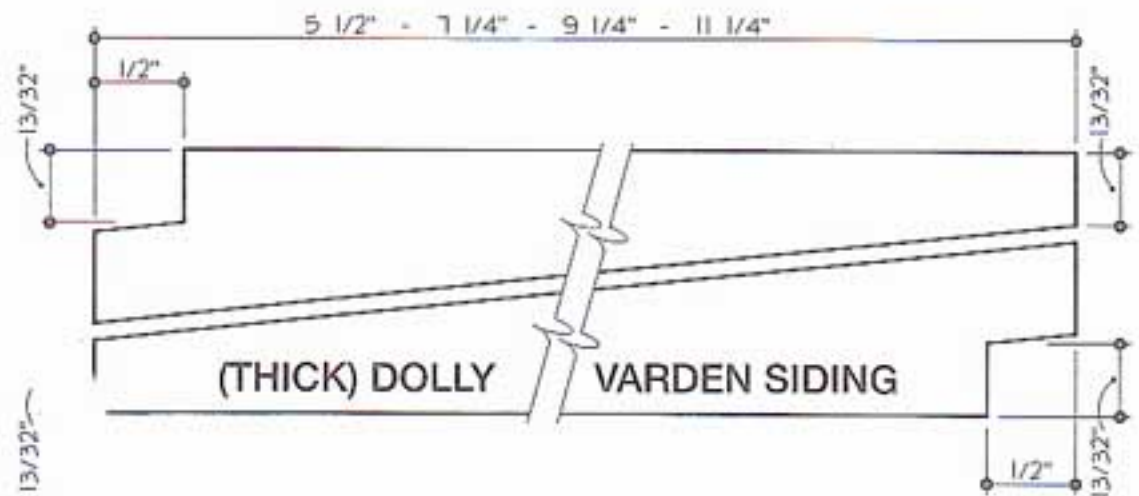
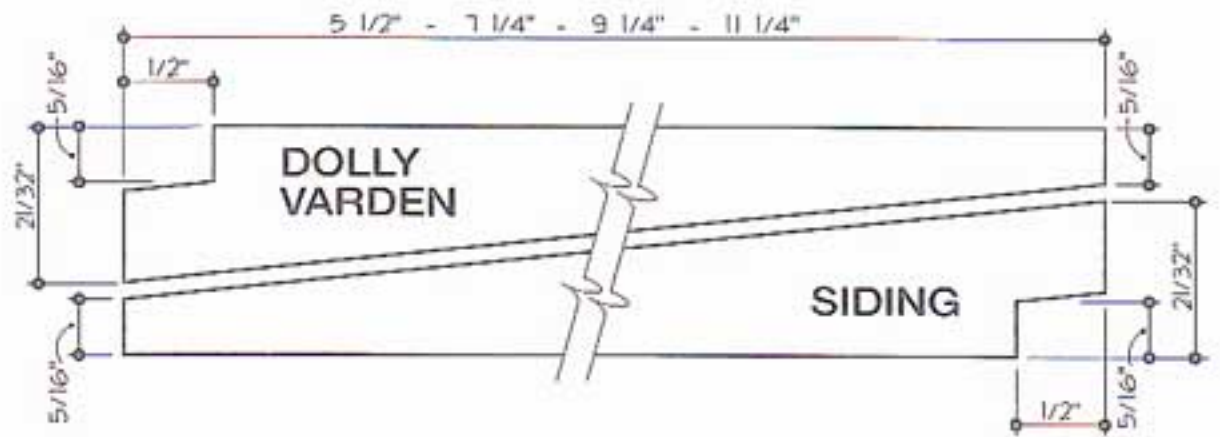
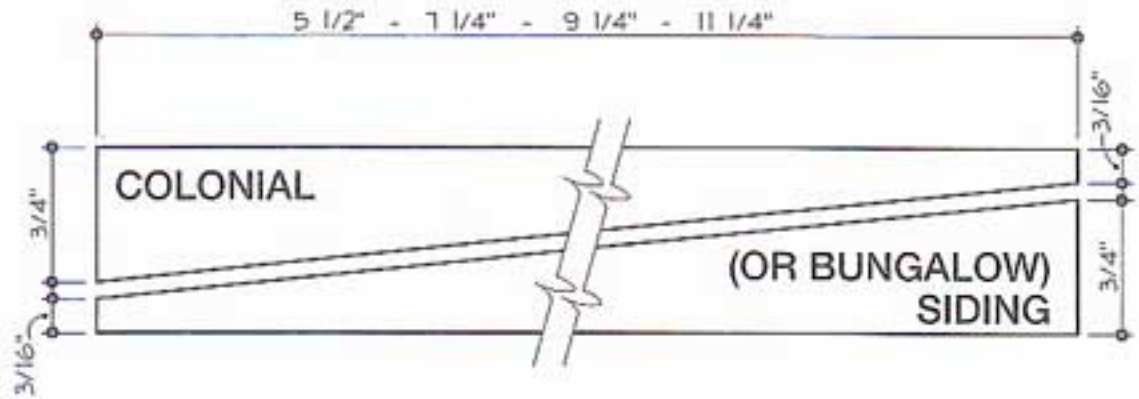
ORIGINAL BEVELED LAP SIDING

6" SIDING W/ 4 1/2" EXPOSURE  
7/16" BUTT DIMENSION

# Siding



DETROIT FOREST PRODUCTS, INC.  
1550 Superior Pkwy  
Westland MI 48185  
P.734-459-5808



# 2002BK

## 2-LIGHT FLUSHMOUNT



<b>Description:</b>	2-light flushmount
<b>Finish:</b>	Matte black
<b>Dimensions:</b>	11-1/2" W x 5" H
<b>Bulbs:</b>	2-60w medium
<b>Installed Weight:</b>	3.3 lbs.
<b>Certification:</b>	Damp location / c UL

<b>Material:</b>	Cast aluminum
<b>Glass:</b>	Frosted
<b>Canopy Dimensions:</b>	11-1/4" dia.
<b>Chain/Wire:</b>	NA
<b>Additional Finishes:</b>	Burled walnut and textured white

**SPECIFICATIONS**

**Certifications/Qualifications**

[www.kichler.com/warranty](http://www.kichler.com/warranty)

**Dimensions**

Base Backplate	5.00 X 7.00
Extension	7.00"
Weight	2.50 LBS
Height from center of Wall opening (Spec Sheet)	3.50"
Height	11.00"
Width	6.00"

**Light Source**

Lamp Included	Not Included
Lamp Type	A19
Light Source	Incandescent
Max or Nominal Watt	60.00
# of Bulbs/LED Modules	1
Max Wattage/Range	60.00
Socket Type	Medium
Socket Wire	150"

**Mounting/Installation**

Interior/Exterior	Exterior
Location Rating	Wet
Mounting Style	Wall Mount
Mounting Weight	1.50 LBS

**FIXTURE ATTRIBUTES**



**Housing**

Diffuser Description	Clear Seeded
Primary Material	ALUMINUM

**Product/Ordering Information**

SKU	49892BK
Finish	Black
Style	Traditional
UPC	783927801270

**Finish Options**

-  Black
-  Olde Bronze



**ALSO IN THIS FAMILY**



# PROPOSED FENCING

Internet #303863981 Model #318735 Store SKU #559067



6 ft. x 8 ft. Cedar Dog-Ear Fence Panel

265

★★★★★ (38) Write a Review Questions & Answers (13)

- Cedar is naturally resistant to rot and decay
- Comes pre-assembled for easy, DIY installation
- See Pro Desk for special order availability
- See More Details

**\$85<sup>97</sup>**

Save up to \$100\* on your qualifying purchase. Apply for a Home Depot Consumer Card

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Delivering to: 48235 | Change

**Store Pickup**  
Pickup Today  
**FREE**

**Ship to Home**  
Not available for this item

**Scheduled Delivery**  
As soon as Tomorrow  
**\$79.00**

47 in stock at **Detroit 7 Mile/Meyers**  
Check Nearby Store

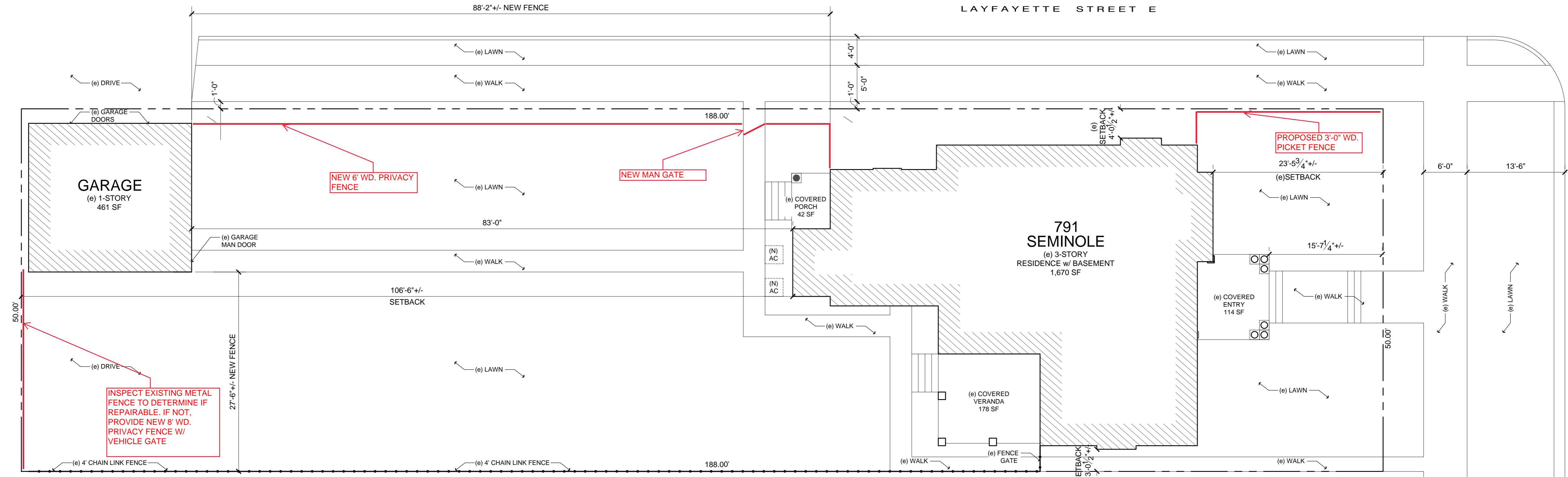
6'-0" TALL WOOD PRIVACY FENCE



3'-0" TALL PICKET FENCE

NOTE: ALL FENCING TO BE STAINED OR PAINTED IN ACCORDANCE W/ HDC FENCE & HEDGE GUIDELINES

ALLEY



LAYFAYETTE STREET E

SEMINOLE STREET

INSPECT EXISTING METAL FENCE TO DETERMINE IF REPAIRABLE. IF NOT, PROVIDE NEW 8' WD. PRIVACY FENCE W/ VEHICLE GATE

PROPOSED 3'-0" WD. PICKET FENCE

NEW MAN GATE

NEW 6' WD. PRIVACY FENCE

791 SEMINOLE  
(e) 3-STORY RESIDENCE w/ BASEMENT  
1,670 SF

GARAGE  
(e) 1-STORY  
461 SF

(e) COVERED VERANDA  
178 SF

(e) COVERED PORCH  
42 SF

(e) COVERED ENTRY  
114 SF

50.00'

50.00'

188.00'

188.00'

83'-0"

106'-6" +/-  
SETBACK

(e) LAWN

(e) WALK

(e) LAWN

(e) WALK

(e) LAWN

(e) 4' CHAIN LINK FENCE

(e) DRIVE

(e) GARAGE DOORS

1'-0"

(e) GARAGE MAN DOOR

4'-0"

1'-0"

5'-0"

(e) SETBACK  
4'-0 1/2" +/-

SETBACK  
3'-0 1/2" +/-

23'-5 3/4" +/-

(e) SETBACK

(e) LAWN

15'-7 1/4" +/-

(e) WALK

(e) WALK

(e) LAWN

6'-0"

13'-6"

# GUTTER COIL



## GUTTER COIL

GC027

### CONTENTS

- .027 X 11.75"
- 3 Coils Per Skid
- Approximately 350 Lb. Rolls

6GC032

### CONTENTS

- .032 X 15"
- 2 Coils Per Skid
- Approximately 350 Lb. Rolls

## MINI GUTTER COIL

MGC150 CONTENTS

- .027 x 11.75" • 150 Ft. Coils
- 1 Coil Per Box
- Approximately 58 Lbs. Per Box
- 0.38 Lb./Ft. 2.65 Ft. Per Lb.

6MGC150 CONTENTS

- .032 x 15" • 150 Ft. Coils
- 1 Coil Per Box
- Approximately 83 Lb. Rolls
- 0.55 Lb./Ft. 1.8 Ft. Per Lb.

MGC100 CONTENTS

- .027 x 11.75" • 100 Ft. Coils
- 1 Coil Per Box
- Approximately 38 Lbs. Per Box
- 0.38 Lb./Ft. 2.65 Ft. Per Lb.

6MGC100 CONTENTS

- .032 x 15" • 100 Ft. Coils
- 1 Coil Per Box
- Approximately 58 Lb. Rolls
- 0.55 Lb./Ft. 1.8 Ft. Per Lb.

MGC50 CONTENTS

- .027 x 11.75" • 50 Ft. Coils
- 1 Coil Per Box
- Approximately 19 Lbs. Per Box
- 0.38 Lb./Ft. 2.65 Ft. Per Lb.

6MGC50 CONTENTS

- .032 x 15" • 50 Ft. Coils
- 1 Coil Per Box
- Approximately 30 Lb. Per Box
- 0.55 Lb./Ft. 1.8 Ft. Per Lb.





# COLOR LEGEND

## RAIN CARRYING COLOR LEGEND

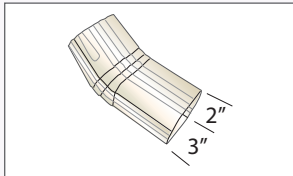
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Pearl Gray	102	Stock	N/A	Stock	Special	Stock	N/A
Tuxedo Gray	112	Stock	N/A	Stock	Stock	Stock	N/A
Low Gloss White	130	Stock	Stock	Stock	Stock	Stock	Stock
Bone	138	Stock	N/A	Stock	N/A	Stock	N/A
High Gloss White	180	Stock	Stock	Stock	Stock	Stock	N/A
Black	200	Stock	Stock	Stock	Stock	Stock	Special
Royal Brown	202	Stock	Stock	Stock	Stock	Stock	Special
Grecian Green	204	Stock	Stock	Stock	Stock	Stock	N/A
Scotch Red	209	Special	N/A	Special	N/A	Special	N/A
Woodland Green	214	Stock	N/A	Stock	N/A	Stock	N/A
Imperial Brown	223	Stock	N/A	Stock	N/A	Stock	N/A
Hickory Clay	238	Stock	Stock	Stock	Stock	Stock	Special
Musket Brown	250	Stock	Stock	Stock	Stock	Stock	Special
Dark Gray	301	Special	N/A	Special	Special	Special	N/A
Sandstone Beige	325	Stock	N/A	Stock	Stock	Stock	N/A
Desert Tan	327	Stock	Special	Stock	N/A	Stock	Special
Light Maple	355	Stock	N/A	Stock	N/A	Stock	N/A
Terratone	360	Stock	N/A	Stock	Stock	Stock	N/A
Pebblestone Clay	422	Stock	N/A	Stock	N/A	Stock	N/A
Wicker	713	Stock	Stock	Stock	Stock	Stock	Special
Coppertone	780	Stock	N/A	Stock	Special	Stock	N/A
Norwegian Wood	791	Stock	N/A	Stock	Special	Stock	N/A
Heather	792	Stock	N/A	Stock	N/A	Stock	N/A
Sandcastle	793	Stock	N/A	Stock	N/A	Stock	N/A
Mocha	795	N/A	Stock	Stock	Stock	Stock	N/A
Almond	801	Stock	N/A	Stock	N/A	Stock	N/A
Pewter	805	Stock	Stock	Stock	N/A	Stock	N/A
Cream	817	Stock	N/A	Stock	N/A	Stock	N/A
Bronze	818	Stock	N/A	Stock	Stock	Stock	N/A
Herringbone	819	Stock	N/A	Stock	Special	Stock	N/A
Cranberry	820	Stock	Stock	Stock	N/A	Stock	N/A
Ivy	821	Stock	N/A	Stock	N/A	Stock	N/A
Pacific Blue	822	Stock	N/A	Stock	N/A	Stock	N/A
Buckskin	841	Stock	N/A	Stock	N/A	Stock	N/A
Ivory	901	Stock	N/A	Stock	N/A	Stock	N/A
Copper							

Contact Customer Service / Sales for details.

- Stock Item
- Special Item: Please allow 3-5 days.
- Not Available. 5000 Lb. minimum.

# GUTTER ACCESSORIES

## LNAE



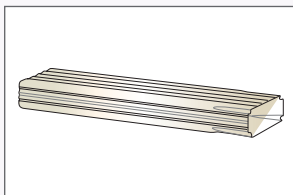
### LONGNOSE A ELBOW

30° Bend

130° Low Gloss  
180° High Gloss  
202 Royal Brown  
238 Hickory  
250 Musket Brown  
713 Wicker

CARTON CONTENTS  
• 30 Pieces Per Carton  
• 7 Lbs.

## CP



### 2" X 3" CONDUCTOR PIPE

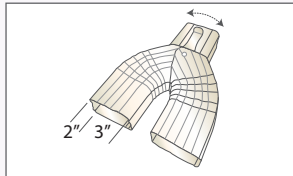
See pg. 32 for Color Legend

CARTON CONTENTS

• (10) 10 Ft. Pieces  
• 100 Ft. Per Carton  
• 25 Lbs.

• (10) 8 Ft. Pieces  
• 80 Ft. Per Carton  
• 20 Lbs.

## 2X3YD

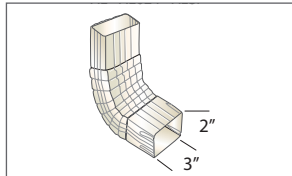


### 2" X 3" Y DIVERTERS

130° Low Gloss White  
180° High Gloss White

CARTON CONTENTS  
• 10 Pieces Per Carton • 6 Lbs.

## AE



### STYLE A ELBOW

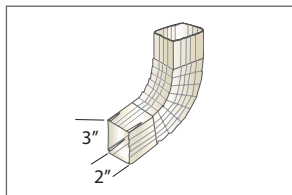
75° Bend

See pg. 32 for Color Legend

CARTON CONTENTS

• 30 Pieces Per Carton  
• 7 Lbs.

## BE



### STYLE B ELBOW

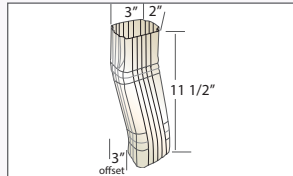
75° Bend

See pg. 32 for Color Legend

CARTON CONTENTS

• 30 Pieces Per Carton  
• 7 Lbs.

## AE OFFSET



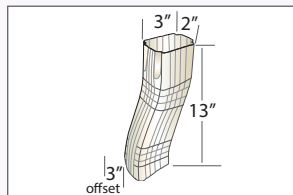
### STYLE A OFFSET ELBOW

130° Low Gloss White  
180° High Gloss White

CARTON CONTENTS

• 20 Pieces Per Carton  
• 6 Lbs.

## BE OFFSET



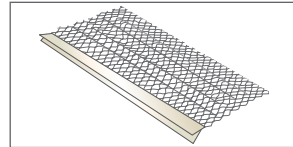
### STYLE B OFFSET ELBOW

130° Low Gloss White  
180° High Gloss White

CARTON CONTENTS

• 20 Pieces Per Carton  
• 6 Lbs.

## 5LEAFDROP

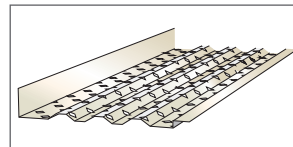


### 5" LEAF COVER

CARTON CONTENTS

• 50 Pieces • 4 Ft. Lengths  
• 18 Lbs.

## 5GLD



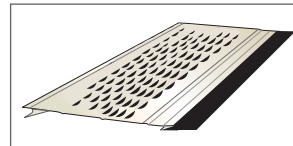
### 5" GUTTERLOCK DIAMOND

200 Black  
280 White

CARTON CONTENTS

• 50 Pieces Per Carton • 6 Ft. Per Piece  
• 300 Ft. Per Carton  
• 58 Lbs. Per Carton

## 5CLS40



### CLEAN SWEEP

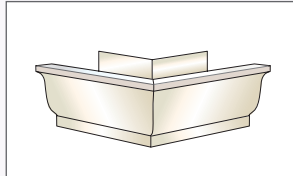
For 5" Gutter

Light Gray

CARTON CONTENTS

• 25 Pieces • 4 Ft. Lengths  
• 100 Ft. Per Carton • 17 Lbs.

## 50TM



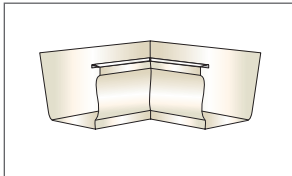
### 5" OUTSIDE MITRE

See pg. 32 for Color Legend

CARTON CONTENTS

• 20 Pieces Per Carton  
• 7 Lbs.

## 5INM



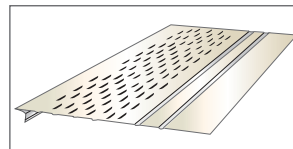
### 5" INSIDE MITRE

See pg. 32 for Color Legend

CARTON CONTENTS

• 20 Pieces Per Carton  
• 7 Lbs.

## RT-SLOCK



### RAIN TRAP

For 5" and 6" Gutter

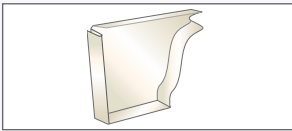
102 Pearl Gray  
200 Black  
202 Royal Brown  
238 Clay  
250 Musket Brown  
280 White  
360 Terratone  
713 Wicker  
801 Almond

CARTON CONTENTS

• 25 Pieces • 4 Ft. Lengths  
• 100 Ft. Per Carton • 17 Lbs.

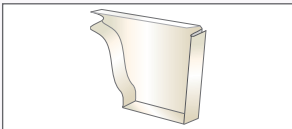
# GUTTER ACCESSORIES

## 5ENL



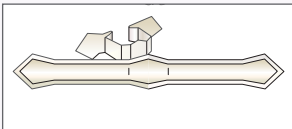
**5" LEFT END CAP**  
See pg. 32 for Color Legend  
**CARTON CONTENTS**  
• 50 Pieces Per Carton  
• 5 Lbs.

## 5ENR



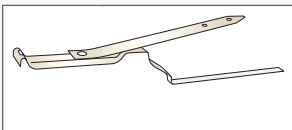
**5" RIGHT END CAP**  
See pg. 32 for Color Legend  
**CARTON CONTENTS**  
• 50 Pieces Per Carton  
• 5 Lbs.

## CPB



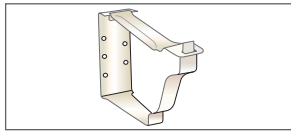
**CONDUCTOR PIPE BAND**  
See pg. 32 for Color Legend  
**CARTON CONTENTS**  
• 100 Pieces Per Carton  
• 5 Lbs.

## 5HWA



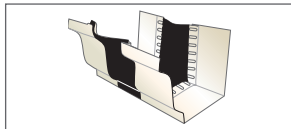
**WRAP AROUND HANGER**  
130° Low Gloss White  
180° High Gloss White  
202 Royal Brown  
**CARTON CONTENTS**  
• 100 Pieces Per Carton  
• 5 Lbs.

## 5FAB



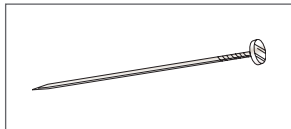
**FASCIA BRACKETS**  
130° Low Gloss White  
180° High Gloss White  
**CARTON CONTENTS**  
• 100 Pieces Per Carton  
• 12 Lbs.

## 5KREJ



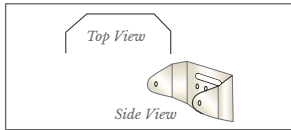
**5" RUBBER EXPANSION JOINT**  
Mill Finish  
**CARTON CONTENTS**  
• 12 Pieces Per Carton  
• 3 Lbs.

## 7SPKA



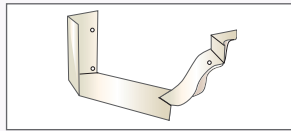
**SPIKES**  
130 Low Gloss White  
**CARTON CONTENTS**  
• 500 Pieces Per Carton  
• 16 Lbs.

## PIPE CLIPS



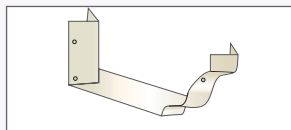
**PIPE CLIPS**  
130° Low Gloss White  
180° High Gloss White  
202 Royal Brown  
204 Grecian Green  
238 Hickory  
250 Musket Brown  
325 Sandstone Beige  
360 Terratone  
713 Wicker  
818 Bronze  
820 Cranberry  
**CARTON CONTENTS**  
• 50 Pieces Per Carton  
• 4 Lbs.

## 5ISM



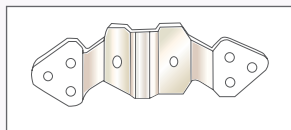
**INSIDE STRIP MITRE**  
102 Pearl Gray  
112 Tuxedo Gray  
130° Low Gloss White  
180° High Gloss White  
200 Black  
202 Royal Brown  
204 Grecian Green  
223 Imperial Brown  
238 Hickory  
250 Musket Brown  
325 Sandstone Beige  
327 Desert Tan  
355 Light Maple  
360 Terratone  
713 Wicker  
780 Coppertone  
791 Norwegian Wood  
793 Sandcastle  
805 Pewter  
817 Cream  
818 Bronze  
819 Herringbone  
820 Cranberry  
821 Ivy  
822 Pacific Blue  
841 Buckskin  
901 Ivory  
**CARTON CONTENTS**  
• 20 Pieces Per Carton • 4 Lbs.

## 50SM



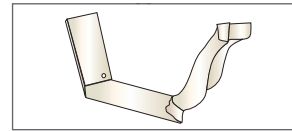
**OUTSIDE STRIP MITRE**  
See above color list for 5ISM  
**CARTON CONTENTS**  
• 20 Pieces Per Carton • 4 Lbs.

## CLEAT



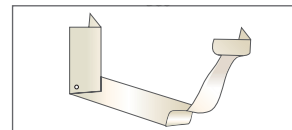
**CLEAT**  
130 Low Gloss White  
**CARTON CONTENTS**  
• 100 Pieces Per Carton • 3 Lbs.

## BIS



**BAY INSIDE STRIP MITRE**  
130° Low Gloss White  
180° High Gloss White  
**CARTON CONTENTS**  
• 20 Pieces Per Carton • 4 Lbs.

## BOS



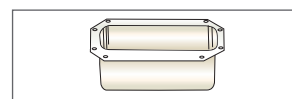
**BAY OUTSIDE STRIP MITRE**  
130° Low Gloss White  
180° High Gloss White  
**CARTON CONTENTS**  
• 20 Pieces Per Carton • 4 Lbs.

## 5FER



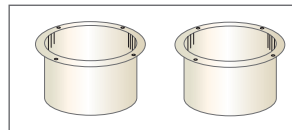
**FERRULES**  
Mill Finish  
**CARTON CONTENTS**  
• 500 Pieces Per Carton • 25 Lbs.

## OUT



**OUTLET TUBE**  
2" X 3"  
Mill Finish  
**CARTON CONTENTS**  
• 30 Pieces Per Carton • 3 Lbs.

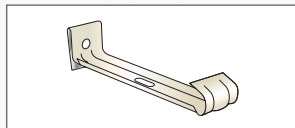
## RDOUT RDOUT275



2.375      2.75  
2 3/8" ROUND    2 3/4" ROUND  
**OUTLET TUBE    OUTLET TUBE**  
Mill Finish      Mill Finish  
**CARTON CONTENTS**  
• 250 Pieces • 15 Lbs.

# GUTTER ACCESSORIES

## 5HDHNGER

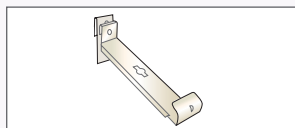


### 5" HIDDEN HANGERS

Mill Finish

CARTON CONTENTS  
• 100 Pieces • 5 Lbs.

## 5MHOOK

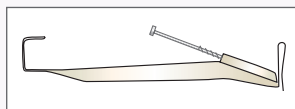


### M SERIES HANGER

Mill Finish

CARTON CONTENTS  
• 100 Pieces • 5 Lbs.

## 5HHSCREW

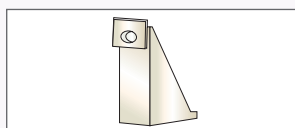


### 5" HIDDEN HANGER WITH SCREW

Mill Finish

CARTON CONTENTS  
• 500 Pieces • 37 Lbs.

## GW5WH

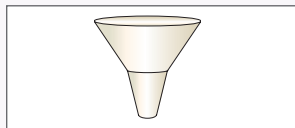


### GUTTER WEDGE

White Only

CARTON CONTENTS  
• 100 Pieces • 4 Lbs.

## FUNW

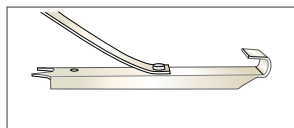


### 2" X 3" FUNNEL

130° Low Gloss

BOX CONTENTS  
• 12 Pieces Per Carton  
• 13 Lbs. Per Box

## VAM5

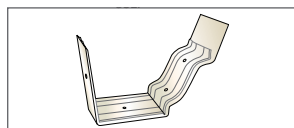


### VAMPIRE HANGER

Mill Finish

CARTON CONTENTS  
• 100 Pieces  
• 8 Lbs.

## 5SLP



### SLIP JOINT CONNECTOR

130° Low Gloss White  
180° High Gloss White

CARTON CONTENTS  
• 50 Pieces  
• 7 Lbs.

## PR

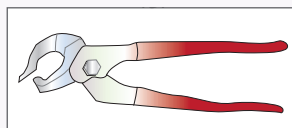


### POP RIVET

102 Pearl Gray/805 Pewter  
112 Tuxedo Gray  
130 Low Gloss  
138 Bone  
200 Black  
202 Royal Brown/  
223 Imperial Brown  
204 Grecian Green/  
214 Woodland Green  
209 Scotch Red  
238 Hickory  
250 Musket Brown  
325/827 Sandstone Beige  
327 Desert Tan  
355 Light Maple  
360 Terratone  
422 Pebblestone Clay  
713 Wicker  
780 Coppertone  
791 Norwegian Wood  
792/318 Heather/Silver Ash  
793 Sandcastle  
801 Almond/817 Cream  
818 Bronze  
819 Herringbone  
820 Cranberry  
821 Ivy  
822 Pacific Blue  
841 Buckskin

BOX CONTENTS  
• 100 Pieces Per Bag  
• 10 Bags Per Box  
• 3 Lbs. Per Box

## TBT

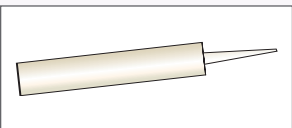


### VAMPIRE TOOL

CARTON CONTENTS

• 1 Piece  
• 1 Lb.

## GM12000

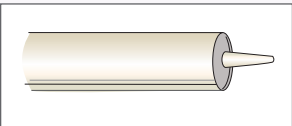


### BOSS GUTTER SEAL

V.O.C. Compliant  
Clear

CARTON CONTENTS  
• 12 Pieces Per Carton  
• (12) 10 oz. Cartridges  
• 12 Lbs.

## BOSS

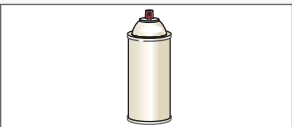


### BOSS CAULKING COMPOUND

V.O.C. Compliant  
Siding and Soffit Colors

CARTON CONTENTS  
• 12 Pieces  
• (12) 10 oz. Cartridges  
• 12 Lbs. Per Box

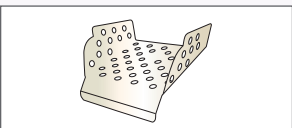
## TUPS



### TOUCH UP SPRAY PAINT

Gutter Colors  
BOX CONTENTS  
• (12) 12 oz. Cans • 13 Lbs. Per Box

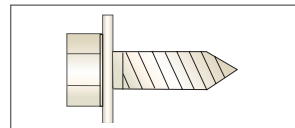
## 5STR



### STRAINER

Mill Finish  
BOX CONTENTS  
• 30 Pieces Per Carton  
• 5 Lbs. Per Box

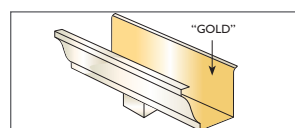
## ZSCREWS



### 8 X 1/2" ZIP SCREWS

102 Pearl Gray/805 Pewter  
112 Tuxedo Gray  
138 Bone  
200 Black  
202 Royal Brown  
204 Grecian Green/  
214 Woodland Green  
209 Scotch Red  
223 Imperial Brown  
238 Hickory  
250 Musket Brown  
280 White  
355 Light Maple  
360 Terratone  
422 Pebblestone Clay  
713 Wicker  
780 Coppertone  
801 Almond/817 Cream  
818 Bronze  
819 Herringbone  
820 Cranberry  
821 Ivy  
841 Buckskin  
CARTON CONTENTS  
• 100 Pieces Per Bag

## 5ENS

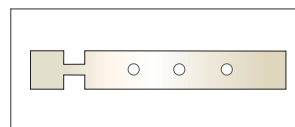


### END SECTION WITH OUTLETS

130 Low Gloss  
180 High Gloss

CARTON CONTENTS  
• 30 Pieces • 12 Lbs. Per Box

## 5HHSTRAP



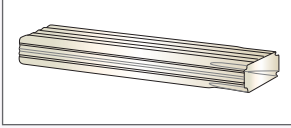
### HIDDEN HANGER STRAPS

Mill Finish

BOX CONTENTS  
• 100 Pieces • 2 Lbs.

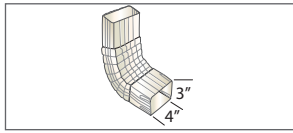
# GUTTER ACCESSORIES

## 6CP



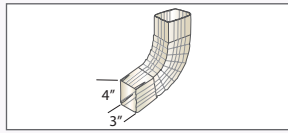
**3" X 4" CONDUCTOR PIPE**  
See pg. 32 for Color Legend  
**CARTON CONTENTS**  
• (10) 10 Ft. Pieces  
• 100 Ft. Per Carton • 30 Lbs.

## 6AE



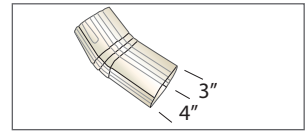
**STYLE A ELBOW**  
*75° Degree Bend*  
See pg. 32 for Color Legend  
**CARTON CONTENTS**  
• 15 Pieces Per Carton  
• 6 Lbs.

## 6BE



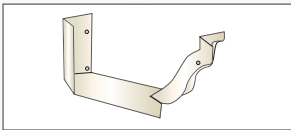
**STYLE B ELBOW**  
*75° Degree Bend*  
See pg. 32 for Color Legend  
**CARTON CONTENTS**  
• 15 Pieces Per Carton  
• 6 Lbs.

## 6LNAE



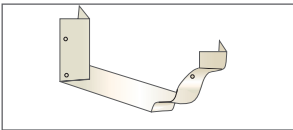
**LONGNOSE A ELBOW**  
*30° Bend*  
130° Low Gloss White  
180° High Gloss White  
202 Royal Brown  
**CARTON CONTENTS**  
• 24 Pieces Per Carton • 6 Lbs.

## 6ISM



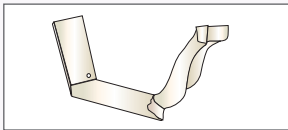
**6" INSIDE STRIP MITRE**  
130° Low Gloss White  
180° High Gloss White  
202 Royal Brown  
238 Hickory  
250 Musket Brown  
325 Sandstone Beige  
360 Terratone  
713 Wicker  
791 Norwegian Wood  
**CARTON CONTENTS**  
• 20 Pieces Per Carton  
• 4 Lbs.

## 6OSM



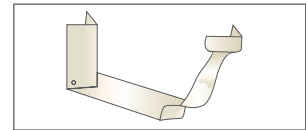
**6" OUTSIDE STRIP MITRE**  
130° Low Gloss White  
180° High Gloss White  
202 Royal Brown  
238 Hickory  
250 Musket Brown  
325 Sandstone Beige  
360 Terratone  
713 Wicker  
791 Norwegian Wood  
**CARTON CONTENTS**  
• 20 Pieces Per Carton  
• 4 Lbs.

## 6BIS



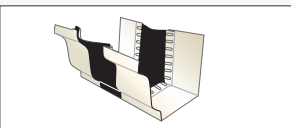
**6" BAY INSIDE STRIP MITRE**  
130° Low Gloss White  
**CARTON CONTENTS**  
• 20 Pieces Per Carton  
• 4 Lbs.

## 6BOS



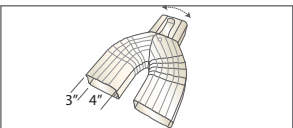
**6" BAY OUTSIDE STRIP MITRE**  
130° Low Gloss White  
**CARTON CONTENTS**  
• 20 Pieces Per Carton  
• 4 Lbs.

## 6KREJ



**6" RUBBER EXPANSION JOINT**  
Mill Finish  
**CARTON CONTENTS**  
• 12 Pieces Per Carton  
• 4 Lbs.

## 3X4YD

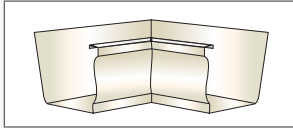


**3" X 4" Y DIVERTERS**  
130° Low Gloss White  
**CARTON CONTENTS**  
• 10 Pieces Per Carton • 7 Lbs.



# GUTTER ACCESSORIES

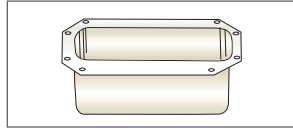
## 6INM



**6" INSIDE MITRE**  
See pg. 32 for Color Legend

**CARTON CONTENTS**  
• 20 Pieces Per Carton  
• 12 Lbs.

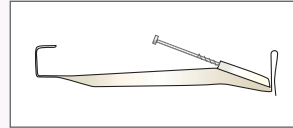
## 6OUT



**3" X 4" OUTLET TUBE**  
Mill Finish

**CARTON CONTENTS**  
• 50 Pieces Per Carton  
• 5 Lbs.

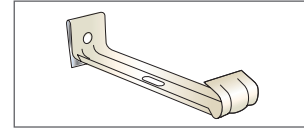
## 6HHSREW



**6" HIDDEN HANGER WITH SCREWS**  
Mill Finish

**CARTON CONTENTS**  
• 300 Pieces Per Carton  
• 27 Lbs.

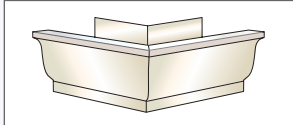
## 6HDHNGER



**6" HIDDEN HANGER**  
Mill Finish

**CARTON CONTENTS**  
• 100 Pieces Per Carton  
• 25 Lbs.

## 60TM



**6" OUTSIDE MITRE**  
See pg. 32 for Color Legend

**CARTON CONTENTS**  
• 20 Pieces Per Carton  
• 12 Lbs.

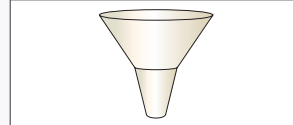
## 8SPKA



**8" SPIKES**  
130° Low Gloss White

**CARTON CONTENTS**  
• 500 Pieces Per Carton  
• 17 Lbs.

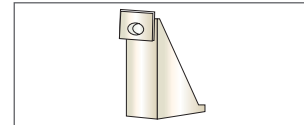
## 6FUNW130



**3" X 4" FUNNEL**  
130° Low Gloss

**CARTON CONTENTS**  
• 12 Pieces Per Carton  
• 4 Lbs. Per Box

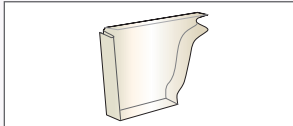
## GW6WH



**6" GUTTER WEDGE**  
White Only

**CARTON CONTENTS**  
• 50 Pieces Per Carton  
• 3 Lbs.

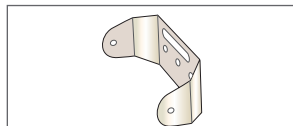
## 6ENL



**6" LEFT END CAP**  
See pg. 32 for Color Legend

**CARTON CONTENTS**  
• 50 Pieces Per Carton  
• 5 Lbs.

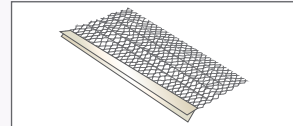
## 6PIPE CLIPS



**6" PIPE CLIPS**  
130 Low Gloss  
180 High Gloss  
202 Royal Brown  
238 Hickory  
250 Musket Brown  
325 Standstone Beige  
360 Terratone  
713 Wicker  
818 Bronze  
820 Cranberry

**CARTON CONTENTS**  
• 50 Pieces Per Carton  
• 4 Lbs.

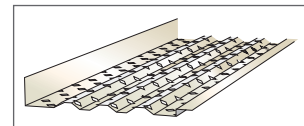
## 6 LEAFDROP



**6" LEAF COVER**

**CARTON CONTENTS**  
• 50 Pieces • 4 Ft. Lengths  
• 18 Lbs.

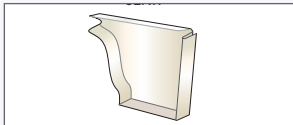
## 6GLD



**6" GUTTERLOCK DIAMOND**  
200 Black  
280 White

**CARTON CONTENTS**  
• 50 Pieces Per Carton  
• 6 Ft. Per Piece  
• 300 Ft. Per Carton

## 6ENR



**6" RIGHT END CAP**  
See pg. 32 for Color Legend

**CARTON CONTENTS**  
• 50 Pieces Per Carton  
• 5 Lbs.

# Color Selection

These color samples are as close as possible to actual colors offered, within the limits of color chip reproduction.



102 - PEARL GRAY



105 - ANTIQUE IVORY



112 - TUXEDO GRAY



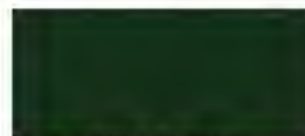
200 - BLACK



202 - ROYAL BROWN



204 - GRECIAN GREEN



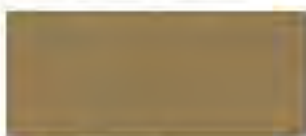
214 - WOODLAND GREEN



215 - AUTUMN RED



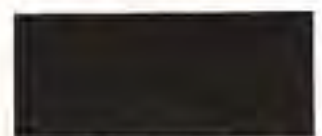
223 - IMPERIAL BROWN



224 - BUCKSKIN



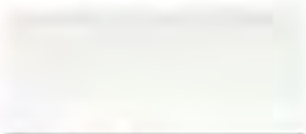
238 - HICKORY  
336 - NATURAL CLAY



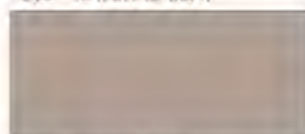
250 - MUSKET BROWN



253 - CAREY TAN



280 - WHITE



318 - SILVER ASH



325 - SANDSTONE BEIGE



327 - DESERT TAN



355 - LIGHT MAPLE



614 - CREAM / 817 - CREAM  
326 - HERITAGE CREAM



620 - ALPINE BLUE / 810 - SHALE  
396 - OXFORD BLUE



713 - WICKER  
334 - PRAIRIE SAND



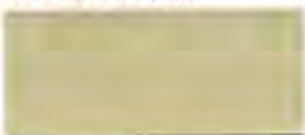
791 - NORWEGIAN WOOD



792 - HEATHER



793 - SANDCASTLE  
833 - SAND



801 - ALMOND



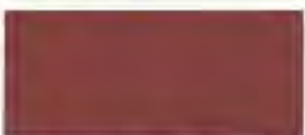
805 - PEWTER  
397 - STERLING GRAY



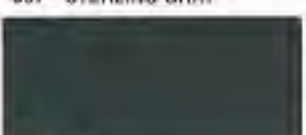
818 - BRONZE



819 - HERRINGBONE



820 - CRANBERRY



821 - IVY



822 - PACIFIC BLUE



827 - CHAMPAGNE



901 - IVORY

# PROPOSED REAR DOOR



EXISTING KITCHEN DOOR & SECURITY DOOR PROPOSED FOR REPLACEMENT (WEST FACADE)



EXISTING GRADE DOOR TO BASEMENT W/ SECURITY DOOR PROPOSED FOR REPLACEMENT (EAST FACADE)



PROPOSED REPLACEMENT

\$339.00

★★★★★ 163

[View Q&A](#)

\$57 / Month

Suggested payments with 6 month special financing

[Learn how](#)

**Therma-Tru Benchmark Doors** 36-in x 80-in Fiberglass Craftsman Right-Hand Inswing Ready to paint Unfinished Prehung Single Front Door with Brickmould

Item #833539 Model #BMTT626371

- Flush-glazed glass built directly into the door provides a clean, seamless appearance and allows for more natural light
- Fiberglass resists cracking, warping, splitting and denting, offering a low-maintenance, high-performance door option
- Complete door system includes all necessary components like jambs, weatherstrip, sill and hinges in complementing finish colors

Handing

Right-Hand Inswing



1



Qty

Hurry, Low in Stock

Add to Cart

CHAT NOW



FREE | Reverso en español

**THERMA-TRU**  
Benchmark® Doors

Fiberglass Entry Doors



**IMAGINE** the  
**POSSIBILITIES**

Thousands of combinations for your home

Available at



Go beyond the aisle.  
More options available.

To order additional brochures use Lowe's Fax on Demand form.  
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Fortune Brands Home & Security, Inc. HESB/JAN 16



**THERMA-TRU**  
Benchmark® Doors

## Create your own Benchmark for beauty.

Add elegance to the exterior of your home by creating a warm, welcoming entryway that is distinctively yours with Therma-Tru® Benchmark® entry doors. Offering an array of fiberglass designs, decorative glass patterns and complementary finishing colors to choose from. You can easily create a customized entryway that is full of character and style.



**LIFETIME**  
LIMITED  
WARRANTY

Your Therma-Tru. Benchmark entryway system holds up in all kinds of weather and is backed by a Lifetime Limited Warranty.<sup>(1)</sup>



## **Energy Efficiency – Up to four-times more than wood <sup>(2)</sup>**

Built with a polyurethane foam core that offers up to four times the insulating R-Value of wood, fiberglass doors help insulate against cold and heat for exceptional energy efficiency.



Look for the Energy Star logo or visit [www.benchmarkdoors.com](http://www.benchmarkdoors.com) to find out which doors qualify.

## **Attractive and Affordable – Authentic appeal of wood**

Replicate the warm, authentic appeal of wood without worrying about the hassles and shortcomings often associated with real wood. If you prefer a smooth, seamless surface, fiberglass entry doors can also deliver that sleek appearance.

## **Low Maintenance – High Performance**

A fiberglass entryway system retains a refined, fresh new look longer, requiring less upkeep. Dependable and durable, resistant to dents, rust and rotting.

## **Secure and Impact Resistant – Enhanced technology for your safety and peace of mind**

The durable fiberglass skin with polyurethane core is more resistant to damage than traditional wood doors. <sup>(2)</sup>

(1) For complete warranty details, please visit the [Lowe.com](http://Lowe.com) product details page. (2) Comparison of fiberglass to wood doors (both without glass). (3) ENERGY STAR is a joint program of the U.S. Environmental Protection Agency and the U.S. Department of Energy, helping us all save money and protect the environment through energy-efficient products and practices. Look for the Energy Star logo or visit [www.benchmarkdoors.com](http://www.benchmarkdoors.com) to find out which products qualify.



## 3 Different Ways to Get Inspired.

When you envision your home, how inviting is your entryway? If you're like most, this may be your first door purchase. And whether you are looking for energy-efficiency, security or curb appeal, it's also an opportunity to transform your entryway into one that reflects your personal style.



## Style.

Consider a door design that will complement your home's architectural style.



## Finish.

When choosing a finish for your door, your home's roof, siding, windows, trim and garage door should be taken into consideration, as well as interior woodwork.



## Purpose.

Therma-Tru Benchmark offers customizable options to support area building codes, your home's existing entryway configuration, desired privacy glass needs, energy efficiency concerns as well as additional security features.



## Shop for Style

In the pages that follow, we've concentrated on five of the most common residential architectural styles, including Arts & Crafts, Traditional, Eclectic, Contemporary and Old World. Each is accompanied by signature style elements and brief descriptions, plus carefully selected style-specific door details that will add that genuine architectural character to your home.



# The System

A Therma-Tru Benchmark entry door system is engineered to work together at the most critical points where a door can fail, letting in air and moisture. By forming a tight seal against drafts and leaks, these components can help maintain weather resistance and energy efficiency, and help protect the door and home against costly damage and deterioration.



## 1. The glass system – Triple pane insulated decorative safety glass<sup>1</sup>

Each glass assembly is made with two layers of safety glass surrounding the decorative glass. Insulating air spaces between the inner and outer panes help prevent heat, cold and moisture from passing through.

## 2. Compression weatherstrip

Our compression weatherstrip is filled with foam that remains flexible and helps seal your entryway against moisture and air infiltration in most weather conditions.

## 3. Leak protection pad

This feature reduces a typical point of air and moisture infiltration, providing a special corner “pocket” that helps keep air and moisture from creeping through.

## 4. Heavy-duty door sweep

Another energy-saving feature, our door bottom sweep is made with dual bulbs and dual fins that help form a tight seal against air, draft and water leaks.

## 5. Rot-resistant adjustable sill

The cap is formed of a maintenance-free composite material that won't decay or absorb moisture like wood. Adjustment hardware is made of sturdy, corrosion-resistant steel.

## 6. Rot-resistant jamb

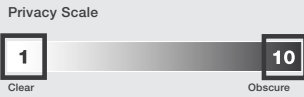
These jambs help protect against rot and insect damage.

## 7. Optional multi-point locking system

Add greater security and stability with the multi-point locking system. Made with corrosion-resistant stainless steel for longer, more durable performance, it also offers the security of three door locks.

(1) Double pane insulated safety glass on clear glass with grilles and wrought iron designs.

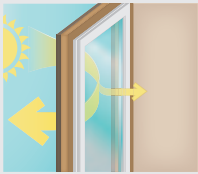
# Privacy



Whether you're looking for obscure privacy or an unobstructed clear scenic view, our glass portfolio offers you a variety of privacy options to accommodate your needs.

# Low-E

Factory-coated Low-E glass, available as an option for clear glass, delivers exceptional energy efficiency.



In cold weather, Low-E glass can help reduce the loss of heat by reflecting the heat back inside the home.



In warm weather, Low-E glass reflects the sun's rays off of the glass, helping to keep the interior of the home cool.



Look for the Energy Star logo or visit [www.benchmarkdoors.com](http://www.benchmarkdoors.com) to find out which doors qualify.



Most Therma-Tru Benchmark doors meet ENERGY STAR® program qualifications for energy efficiency and are specially crafted with a polyurethane foam core.

Your Therma-Tru® Benchmark® entryway system holds up in all kinds of weather and is backed by a Lifetime Limited Warranty.<sup>(1)</sup>



Fiberglass doors are low-maintenance. Unlike wood or steel doors, durable fiberglass is resistant to cracks, dents and rust.



IMPACT-RATED

Impact-rated doors meet Florida coastal region codes and regulations.<sup>(2)</sup>

(1) For complete warranty details, please visit the [Lowe.com](http://Lowe.com) product details page.

(2) Product approvals show that the door system meets applicable codes when selected, assembled and installed as instructed.



# Design Your Door

Available Pre-Hung  
Entry Door Sizes<sup>(3)</sup>



	Slab Width	Single Door	Single Door, 1 Sidelite	Single Door, 2 Sidelites	Double Door	Single Door, 2 Sidelites, Rectangular Transom	Single Door, 2 Sidelites, Elliptical Transom
6-ft, 8-in Tall	32-in wide	33-½-in x 81-½-in	47-in x 81-½-in	60-½-in x 81-½-in	66-¼-in x 81-½-in	N/A	N/A
	36-in wide	37-½-in x 81-½-in	51-in x 81-½-in	64-½-in x 81-½-in	74-¼-in x 81-½-in	64-½-in x 95- <sup>1</sup> / <sub>8</sub> -in	64-½-in x 95- <sup>3</sup> / <sub>4</sub> -in
8-ft, 0-in Tall	32-in wide	33-½-in x 97-½-in	47-in x 97-½-in	60-½-in x 97-½-in	66-¼-in x 97-½-in	N/A	N/A
	36-in wide	37-½-in x 97-½-in	51-in x 97-½-in	64-½-in x 97-in	74-¼-in x 97-½-in	64-½-in x 112- <sup>1</sup> / <sub>8</sub> -in	64-½-in x 111- <sup>3</sup> / <sub>8</sub> -in

Above dimensions are for inswing boxed sill units with 12-in sidelites. For 14-in sidelites, add 2-in per sidelite to unit width. Therma-Tru recommends a rough opening size ½-in larger in height and ¾-in larger in width than actual unit size. An additional allowance may be required for carpet shim. See store associate for special order sizing (½-in to 5-in cut-down, from bottom of door).

## Opaque & Clear Glass Doors



6-Panel<sup>(4)</sup> 6



Craftsman



2-Panel  
Square Top 6



2-Panel  
Soft Arch 6



2-Panel  
Soft Arch  
Plank 6



9-Lite  
Door<sup>(5)</sup> 6



1-Lite  
Craftsman<sup>(6)</sup> 6



6-Lite  
Craftsman<sup>(6)</sup>



Full  
Sidelite<sup>(6)</sup> 6



4-Lite  
Sidelite<sup>(6)</sup> 6



3-Lite<sup>(5)</sup> 6



8-ft Tall  
6-Panel<sup>(4)</sup> 6



8-ft Tall  
2-Panel  
Square Top 6



8-ft Tall  
2-Panel  
Soft Arch 6



8-ft Tall  
2-Panel  
Soft Arch  
Plank 6

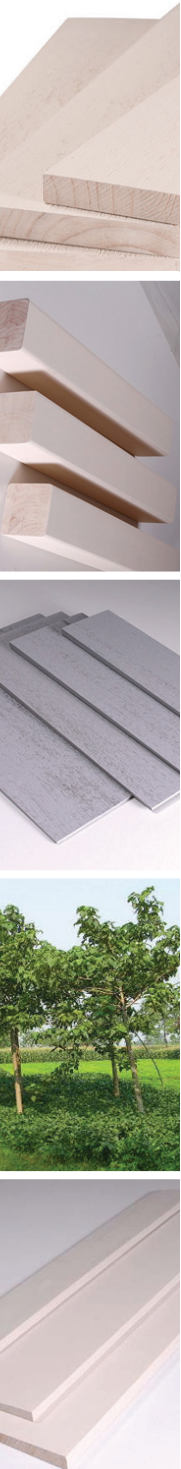


8-ft Tall  
6-Lite  
Craftsman<sup>(6)</sup>

(3) Actual Unit Size (4) Available in Mahogany Collection, Oak Collection & Smooth Surface Collection (5) Fixed external white grilles (6) Low-E 6 WBDR / HVHZ options

# QUALITY TRIM AND PREMIUM TRIM - the only CLEAR solution for trim, bevel and beaded ceiling.

Grown on plantations in China, QUALITY TRIM AND PREMIUM TRIM is light-weight, easy to handle and naturally rot, decay and insect resistant. And best of all, its already primed and ready to paint.



## WHAT IS QUALITY TRIM AND PREMIUM TRIM?

Available exclusively from HEZE XINGLIN WOOD INDUSTRY CO., LTD, QUALITY TRIM AND PREMIUM TRIM is made from Paulownia, a native fast-growing soft hardwood of Asia. It is mostly grown on plantations in China or in the Southeastern U.S. Light in color and similar the White Ash, the wood has no odor or taste, is mostly knot free and if planed or sanded feels like spun silk. QUALITY TRIM AND PREMIUM TRIM has no measurable pitch, resins or tannins so it is not subject to extractive bleeding. Its average cubic foot weight varies between 15 – 19, which falls between Balsa and Poplar, and has been tested to have a higher strength-to-weight ratio than Balsa wood.

## PREMIUM PRODUCT

QUALITY TRIM AND PREMIUM TRIM wood products have many benefits including naturally rot, decay and insect resistant. It has one of the lowest thermal conductivity values of any wood; therefore, QUALITY TRIM AND PREMIUM TRIM has a high insulation property which contributes to low shrinkage in use and resistance to fire. The wood dries rapidly and does not easily warp, cup, end check, splinter or split. QUALITY TRIM AND PREMIUM TRIM is easy to handle, plane, sand, saw, rip, route, and carve. In quick processing there is no danger of splitting or chipping. It can be glued, painted or stained like any other wood. No pilot holes are required prior to drilling. Typical uses are trim, siding, furniture, musical instruments, crafts and various decorative uses. Due to its strength-to-weight ratio, it is preferred in construction of aircraft, buses, marine, RVs, trucks and trains.

## OUR COMPANY

Tri-State Forest Products Inc. operates distribution centers in Ohio, Indiana and Michigan. Our goal and mission is to develop long-term relationships with our customers and provide them with quality products and dependable service. We strive to not only sell the quality products we distribute but to educate our customers on their merits. We do this by teaching product features, benefits, and field application. We know that successful business relies not just on quality products at affordable prices but also great service and long-term partnerships. We are dedicated to the retail lumber dealer and their success.

## QUALITY TRIM AND PREMIUM TRIM

### SPECIFICATIONS:

- Trim
  - 1x4 thru 1x12
  - 5/4 x 4 thru 5/4x12
- Bevel
  - 1/2x6, 1/2x8, 3/4x8, 3/4x10
- T&G Beaded (1x4)
- 16' lengths
- All primed

### QUALITY TRIM AND PREMIUM TRIM BENEFITS:

- Lightweight & durable
  - Lighter than Oak (1/3) and Pine (1/2)
- Highest strength-to-weight ratio
- Naturally rot, decay and insect resistant
- Resists splitting and warping
- High insulation properties
- Fire resistant and low shrinkage
- Light color, straight grain and glossy finish
- Easy to glue, stain or paint

### QUALITY TRIM AND PREMIUM TRIM USES:

- Doors, door and window frames
- Extension or flat jams
- Exterior & interior moldings
- Exterior & interior trim
- Furniture & cabinets
- Drawer sides/bottoms
- Veneer
- Paneling/siding
- Aircraft, bus, RV, marine truck and train construction

**PAULOWNIA**  
TRIMBOARD & SIDING



# QUALITY TRIM AND PREMIUM TRIM

## A Guide to Painting, Staining, and Storing Quality Trim & Premium Trim Products

### BENEFITS OF Quality & Premium -TRIM:

- Decay and rot resistant
- Strong longevity
- Easy to paint and stain
- Pre-primed
- Straight 16' with less seams
- Extensive usability
- No tannin bleed
- Clear grain: No knots
- Stable wood
- No splitting, cupping, or warping
- Works well with any cladding system
- Superior attributes over Cedar & Redwood

### STORAGE AND CARE:

- Upon receiving the product to your yard, remove wrap or place under covered space where extreme weather elements will not interfere with the product.
- Like all wood, this product needs to be under shelter and remain dry to prevent mold.
- **Do not leave wood product exposed to extreme weather conditions.**

### RECOMMENDED PAINTING AND STAINING PROCESS:

- For exterior use applications, apply primer to cut ends before painting.
- Reversible, both sides are applicable.
- When using a spray application, more than two coats might need to be applied due to the consistency of the paint.
- Paint \_\_\_\_\_ shortly after installation to ensure quality of the wood product.
- Use an acrylic latex or oil based paint. Follow directions from paint supplier regarding painting on wood.
- After painting any wood, allow 30 days to cure. To cure properly, avoid painting in humid or windy conditions and allow curing time while temperatures are over 45 degrees.

### SMOOTH SIDE APPLICATION:

- Before painting or staining, dust off the wood with a damp cloth or use a mild water-based emulsion or alkaline solvent.
- Use a light sand paper of 240 grid or less to roughen up surface to allow paint or stain to adhere better.
- Apply at least two coats of paint. A paint with a minimum of 2.5 mills dry should be used in the application process.

### ROUGH SIDE APPLICATION:

- Like any pre-primed wood, 3 of the 6 sides are more saturated in primer than the others. We recommend having another coat of primer on the rough side done by the factory or at site immediately.
- Priming this product before putting a top coat is recommended. Top coats should be a minimum of 2.5 mills dry or 6 mills wet.

### PRECAUTIONS:

- If any wood product is left in a wrap, in the shade, out in extreme weather conditions, or just remain wet, mold might occur. Protect yourself and follow guidelines.
- If mold is present which is rare, use a solution of bleach and water with a fine brush and gently scrub area. Let dry and repeat primer stage of the process.

**PAULOWNIA**  
TRIMBOARD & SIDING

