

Section 08560 – Premium Clad Wood Windows for Historic Homes

1. GENERAL

1.1 SUMMARY

A. This section includes factory-fabricated, high-performance wood windows with durable composite or metal-clad exteriors, suitable for use in historic residential applications.

B. Work includes:

- Window units (casement, double-hung, fixed, or shaped windows)
- Divided lite grille configurations
- Screens
- Interior/exterior trim accessories
- Installation components

1.2 REFERENCES

- ASTM E283 – Air Infiltration
- ASTM E330 – Structural Performance
- ASTM E547 – Water Penetration
- NFRC 100/200 – Thermal Performance
- ENERGY STAR® – Northern Climate Zone
- NPS Preservation Brief #9 – Historic Windows
- Michigan Residential Code
- Detroit Historic District Commission (HDC) Guidelines

1.3 SUBMITTALS

- A. Product data for each specified window.
- B. Shop drawings indicating operation, size, frame profile, and grille configuration.
- C. Color and finish samples for interior and exterior.
- D. Certification of compliance with applicable historic district guidelines.
- E. Sample window or corner mock-up upon request.

1.4 QUALITY ASSURANCE

- A. Manufacturer must have minimum (20) years experience producing premium fenestration systems.
- B. Installer must be licensed and experienced with historic home retrofits.
- C. Units must meet the requirements of the Detroit Historic District Commission (HDC) as applicable.

2. PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

Subject to compliance with specifications, the following manufacturers are acceptable:

1. Andersen Windows & Doors
- E-Series (Aluminum-clad wood)

No substitutions allowed without prior written approval.

2.2 MATERIALS AND CONSTRUCTION

A. Frame and Sash

- Interior: Solid wood (pine, maple, oak, or species as approved)
- Exterior Cladding:
 - Andersen A-Series: Fibrex® composite and fiberglass
 - Andersen E-Series: Extruded aluminum
 - Marvin Ultimate: Extruded aluminum
- Cladding Finish: High-performance baked-on coating (AAMA 2605 for aluminum)

B. Glazing

- Dual-pane insulating glass with Low-E coating and argon gas fill
- U-Factor: ≤ 0.29
- SHGC: ≤ 0.30
- Laminated or tempered glass as required

C. Grilles / Divided Lites

- Simulated Divided Lite (SDL) with spacer bars
- Optional: Full Divided Lite (FDL) or True Divided Lite (TDL) for strict historic compliance where divided lites are required.
- Grille patterns, where indicated, must replicate original window configuration

D. Insect Screens

- Aluminum frame with fiberglass mesh
- Wood-framed screens optional for visible elevations, if required by HDC

2.3 COLORS AND FINISHES

Exterior

- Andersen E-Series and Marvin Ultimate: Kynar®-based fluoropolymer coatings (AAMA 2605 compliant)
- Andersen A-Series: UV-stable composite finish
- Colors must match HDC-approved historic palette (e.g., terratone, black, bronze, forest green)

Interior

- Factory-primed, stained, or natural finish available
- Match to historic trim/millwork color or finish

3. EXECUTION

3.1 PREPARATION

- Dimensions provided on the drawings and in the schedule are for pricing information only.
- Complete the demolition of the existing windows and openings. Field-verify window dimensions for each opening after demolition, before ordering.
- Protect existing interior and exterior finishes during installation
- Coordinate with preservation architect where applicable

3.2 INSTALLATION

- Install per manufacturer’s instructions and best practices
- Do not alter existing opening size unless approved by HDC
- Install level, plumb, and square with appropriate shims and sealants
- Use concealed fasteners when possible
- Provide all necessary components for a complete window installation
 - Brick molding
 - Window casing
 - Window sills
 - Jamb extensions
- Caulk all gaps between window frame assembly and surrounding rough opening
- Caulk all windows with an approved sealant for the use

3.3 CLEANING AND PROTECTION

- Clean glazing and frame materials per manufacturer’s recommendation
- Remove labels and construction residue
- Protect finished surfaces during remaining construction activities

4. HISTORIC COMPLIANCE REQUIREMENTS

- Match original sash dimensions, grille configurations where occurring, and profiles
- Nail fins, flange extensions, or modern detailing must not be visible on primary façades
- Submit final selections and shop drawings to the Owner for pre-approval

END OF SECTION

WINDOW SCHEDULE					
WINDOW No.	ROUGH OPENING SIZE	TYPE	EXISTING MATERIAL	NEW WINDOW MATERIAL	NOTES
1	30" x 72"	DOUBLE-HUNG	ALUMINUM	ALUMINUM CLAD WOOD	REMOVE ALUMINUM WINDOW AND REPLACE W/ NEW WINDOW, KEEP HISTORIC HEAD PROFILE
2	30" x 72"	DOUBLE-HUNG	ALUMINUM	ALUMINUM CLAD WOOD	REMOVE ALUMINUM WINDOW AND REPLACE W/ NEW WINDOW, KEEP HISTORIC HEAD PROFILE
3	24" x 79"	DOUBLE-HUNG	ALUMINUM	ALUMINUM CLAD WOOD	REMOVE ALUMINUM WINDOW AND REPLACE W/ NEW WINDOW, PRESERVE EXISTING ARCHED HEAD
4	24" x 79"	DOUBLE-HUNG	ALUMINUM	ALUMINUM CLAD WOOD	REMOVE ALUMINUM WINDOW AND REPLACE W/ NEW WINDOW, PRESERVE EXISTING ARCHED HEAD
5	24" x 79"	DOUBLE-HUNG	ALUMINUM	ALUMINUM CLAD WOOD	REMOVE ALUMINUM WINDOW AND REPLACE W/ NEW WINDOW, PRESERVE EXISTING ARCHED HEAD
6	24" x 79"	DOUBLE-HUNG	ALUMINUM	ALUMINUM CLAD WOOD	REMOVE ALUMINUM WINDOW AND REPLACE W/ NEW WINDOW, PRESERVE EXISTING ARCHED HEAD
7	14" x 39"	DOUBLE-HUNG	WOOD	ALUMINUM CLAD WOOD	REMOVE EXISTING WOOD WINDOW AND REPLACE W/ WINDOW
8	14" x 39"	DOUBLE-HUNG	WOOD	ALUMINUM CLAD WOOD	REMOVE EXISTING WOOD WINDOW AND REPLACE W/ WINDOW
9	14" x 39"	DOUBLE-HUNG	WOOD	ALUMINUM CLAD WOOD	REMOVE EXISTING WOOD WINDOW AND REPLACE W/ WINDOW
10	30" x 26"	FIXED	WOOD	ALUMINUM CLAD WOOD	REMOVE EXISTING WOOD WINDOW AND REPLACE W/ WINDOW, MATCH VERTICAL MUNTIN WIDTH AND PROFILE
11	30" x 26"	FIXED	WOOD	ALUMINUM CLAD WOOD	REMOVE EXISTING WOOD WINDOW AND REPLACE W/ WINDOW, MATCH VERTICAL MUNTIN WIDTH AND PROFILE
12	30" x 26"	FIXED	WOOD	ALUMINUM CLAD WOOD	REMOVE EXISTING WOOD WINDOW AND REPLACE W/ WINDOW, MATCH VERTICAL MUNTIN WIDTH AND PROFILE
13	30" x 26"	FIXED	WOOD	ALUMINUM CLAD WOOD	REMOVE EXISTING WOOD WINDOW AND REPLACE W/ WINDOW, MATCH VERTICAL MUNTIN WIDTH AND PROFILE
14	30" x 76"	DOUBLE-HUNG	WOOD	ALUMINUM CLAD WOOD	REMOVE EXISTING WOOD WINDOW AND REPLACE W/ WINDOW, MATCH MUNTIN WIDTH AND PROFILE OF EXISTING 4 OVER 4 WINDOW, PRESERVE EXISTING ARCHED HEAD
15	30" x 76"	DOUBLE-HUNG	WOOD	ALUMINUM CLAD WOOD	REMOVE EXISTING WOOD WINDOW AND REPLACE W/ WINDOW, MATCH MUNTIN WIDTH AND PROFILE OF EXISTING 4 OVER 4 WINDOW, PRESERVE EXISTING ARCHED HEAD
16	30" x 76"	DOUBLE-HUNG	WOOD	ALUMINUM CLAD WOOD	REMOVE EXISTING WOOD WINDOW AND REPLACE W/ WINDOW, PRESERVE EXISTING ARCHED HEAD
17	30" x 76"	DOUBLE-HUNG	WOOD	ALUMINUM CLAD WOOD	REMOVE EXISTING WOOD WINDOW AND REPLACE W/ WINDOW, PRESERVE EXISTING ARCHED HEAD
18	30" x 76"	DOUBLE-HUNG	WOOD	ALUMINUM CLAD WOOD	REMOVE EXISTING WOOD WINDOW AND REPLACE W/ WINDOW, MATCH MUNTIN WIDTH AND PROFILE OF EXISTING 4 OVER 4 WINDOW, PRESERVE EXISTING ARCHED HEAD
19	30" x 76"	DOUBLE-HUNG	WOOD	ALUMINUM CLAD WOOD	REMOVE EXISTING WOOD WINDOW AND REPLACE W/ WINDOW, PRESERVE EXISTING ARCHED HEAD
20	30" x 76"	DOUBLE-HUNG	WOOD	ALUMINUM CLAD WOOD	REMOVE EXISTING WOOD WINDOW AND REPLACE W/ WINDOW, PRESERVE EXISTING ARCHED HEAD
21	30" x 76"	DOUBLE-HUNG	WOOD	ALUMINUM CLAD WOOD	REMOVE EXISTING WOOD WINDOW AND REPLACE W/ WINDOW, PRESERVE EXISTING ARCHED HEAD
22	12" x 24"	FIXED	NO WINDOW	ALUMINUM CLAD WOOD	NEW WOOD WINDOW IN NEW MASONRY OPENING
23	30" x 76"	DOUBLE-HUNG	WOOD	ALUMINUM CLAD WOOD	REMOVE EXISTING WOOD WINDOW AND REPLACE W/ WINDOW, PRESERVE EXISTING ARCHED HEAD
24	30" x 80"	DOUBLE-HUNG	WOOD	ALUMINUM CLAD WOOD	REMOVE EXISTING WOOD WINDOW AND REPLACE W/ WINDOW, MATCH MUNTIN WIDTH AND PROFILE OF EXISTING 4 OVER 4 WINDOW, PRESERVE EXISTING ARCHED HEAD
25	18" x 70"	FIXED	NO WINDOW	ALUMINUM CLAD WOOD	NEW WOOD, TRIANGULAR SHAPED FIXED WINDOW IN NEW OPENING
26	SEE ELEVATION	FIXED	NO WINDOW	WOOD	NEW WOOD, FIXED TRANSOM & SIDELITES AT FRONT DOOR
27	30" x 26"	FIXED	WOOD	ALUMINUM CLAD WOOD	REMOVE EXISTING WOOD WINDOW AND REPLACE W/ WINDOW
28	30" x 26"	FIXED	WOOD	ALUMINUM CLAD WOOD	REMOVE EXISTING WOOD WINDOW AND REPLACE W/ WINDOW, MATCH VERTICAL MUNTIN WIDTH AND PROFILE
29	30" x 76"	DOUBLE-HUNG	VINYL	ALUMINUM CLAD WOOD	REMOVE VINYL WINDOW AND REPLACE W/ NEW WINDOW
30	30" x 76"	DOUBLE-HUNG	WOOD	ALUMINUM CLAD WOOD	REMOVE EXISTING WOOD WINDOW AND REPLACE W/ WINDOW, PRESERVE EXISTING ARCHED HEAD
31	30" x 76"	DOUBLE-HUNG	WOOD	ALUMINUM CLAD WOOD	REMOVE EXISTING WOOD WINDOW AND REPLACE W/ WINDOW, PRESERVE EXISTING ARCHED HEAD
32	30" x 76"	DOUBLE-HUNG	VINYL	ALUMINUM CLAD WOOD	REMOVE VINYL WINDOW AND REPLACE W/ NEW WINDOW, PRESERVE EXISTING ARCHED HEAD
33	24" X 56"	DOUBLE-HUNG	NO WINDOW	ALUMINUM CLAD WOOD	NEW FIXED WINDOW IN NEW OPENING
34	24" X 56"	DOUBLE-HUNG	NO WINDOW	ALUMINUM CLAD WOOD	NEW FIXED WINDOW IN NEW OPENING
35	30" x 26"	FIXED	WOOD	ALUMINUM CLAD WOOD	REMOVE EXISTING WOOD WINDOW AND REPLACE W/ WINDOW, MATCH VERTICAL MUNTIN WIDTH AND PROFILE

WINDOW GENERAL NOTES:

1. INTERIOR TRIM - SEE INTERIOR DESIGNER INFORMATION FOR CASING AND TRIM INFORMATION ON INTERIOR OF WINDOW.
2. NEW WINDOWS - REMOVE EXISTING WINDOWS AND REPLACE W/ ANDERSEN E-SERIES ALUMINUM CLAD WOOD WINDOW. EXTERIOR COLOR TO MATCH COLOR SYSTEM B, B19, BLACK OF THE DETROIT HISTORIC COMMISSION COLORS
3. EXTERIOR SURROUND - ANY EXISTING HISTORIC BRICK MOLD IS / EXTERIOR HISTORIC CASING IS TO REMAIN. IF A PORTION OF THE BRICK MOLD IS MISSING, PROVIDE NEW BRICK MOLD MATCHING EXISTING PROFILE.
4. WEATHERSTOPPING - PROVIDE CAULKING/SEALANTS TO MATCH THE WINDOW FRAME AND SASH COLOR AT EXTERIOR
5. PRESERVE EXISTING ARCHED WINDOW HEADS WHERE OCCURRING
6. WHERE OCCURING ON SELECT WINDOWS WHERE INDICATED, MATCH EXISTING MUNTIN PROFILES AND PATTERN



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09/29/25

Historic Commission

09/10/25

Permit Revisions

05/29/25

Window Updates

Date:

Issued For:

Watson Residence

Historic Home

264 East Watson

Detroit, Michigan 48201

studiozONE : DETROIT

architectural

urban

interior

DESIGN

350 Madison Avenue

4th floor

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Project Number: 2024 - 02

Sheet Title:

WINDOW SCHEDULE