



Photo D.11 - Prairie style residence with stucco siding - 423 E. Chicago Avenue

Internet Resources:

- For additional information regarding stucco maintenance, repair, and substitute materials refer to [*Preservation Brief #22- The Preservation and Repair of Historic Stucco.*](#)
- [*Preservation Brief #8 - The Appropriateness of Substitute Materials for Resurfacing Historic Wood Frame Buildings.*](#)
- EIFS can be easily damaged and presents maintenance concerns. For more information visit http://www.c-risk.com/Construction_Risk/CD EIFS CD Issues 01.htm.

D.2 WINDOWS AND STORM WINDOWS

D.2.1 WINDOWS

Windows are among the first features noticed by those passing by a building and are one of the most important character defining elements of a home. Original historic windows are usually made of wood and can be fixed, double hung, casement, or awning type. Windows located on the primary facade of a house are almost always formally arranged in regular patterns.

Guidelines for Windows Maintenance, Repair and Replacement

Encouraged:

- Retain and preserve windows in their original location, size, type and design and with their original materials and pane division. If windows have been in place for 60 or more years, repairing and restoring them can add an additional 60 years or more.
- Repair original windows rather than replace them with new windows. If replacement is necessary, replace them in-kind to match the originals in material, size, and design including pane division. Factors to be considered in determining whether the severity of deterioration of windows requires replacement include damage, excessive weathering, loss of soundness or integrity of the wood, deterioration due to rot or insect attack, and cost to repair.
- Install true divided muntins which are an integral part of the window sash on both sides rather than snap-on simple grilles.
- Install screens and/or storm windows that are wood or baked-on or anodized aluminum and fit within the window frames.
- Install weather-stripping around windows to prevent air leakage.
- Caulk around perimeter of windows. Check sealants around windows annually, and if necessary caulk to reseal and prevent air infiltration,
- Retrofit existing wood windows and sashes with insulated glazing units or wood or aluminum storm windows.

Acceptable

- Replace original windows with new wood or aluminum clad windows that match the original in size, proportion, type and design. Modern windows may not have true divided lights, but can duplicate the original appearance using muntins that are attached to the sash and exterior and interior of the glass.

Discouraged

- Change existing window openings or add new non-original window openings to primary facades.
- Install vinyl and fiberglass replacement windows.
- Install replacement windows that do not match the original in size, proportion, type or design.
- Install builder-type aluminum windows with large profiles.

Internet Resources:

For additional information refer to [Preservation Brief #9 - The Repair of Historic Wooden Windows](#), and the National Trust for Historic Preservation's weatherization guide at <http://www.preservationnation.org/issues/weatherization/>.

D.2.2 STORM WINDOWS

Storm windows are effective in maintaining and enhancing a home's energy efficiency. They create a thermal barrier that reduces the transmission of air between the indoors and outdoors. They are also cost-effective and allow for the retention of original historic windows. Wood storm windows were common for many historic homes after 1900 and were made to be easily installed and removed during the change of seasons. Historic wood storm windows should be maintained, repaired where feasible, and painted to match the existing window colors. When considering the installation of new storm windows, wood and aluminum are considered the best options due to their durability and flexibility in color choices as compared with ones

Illustration D.9 - Window Types

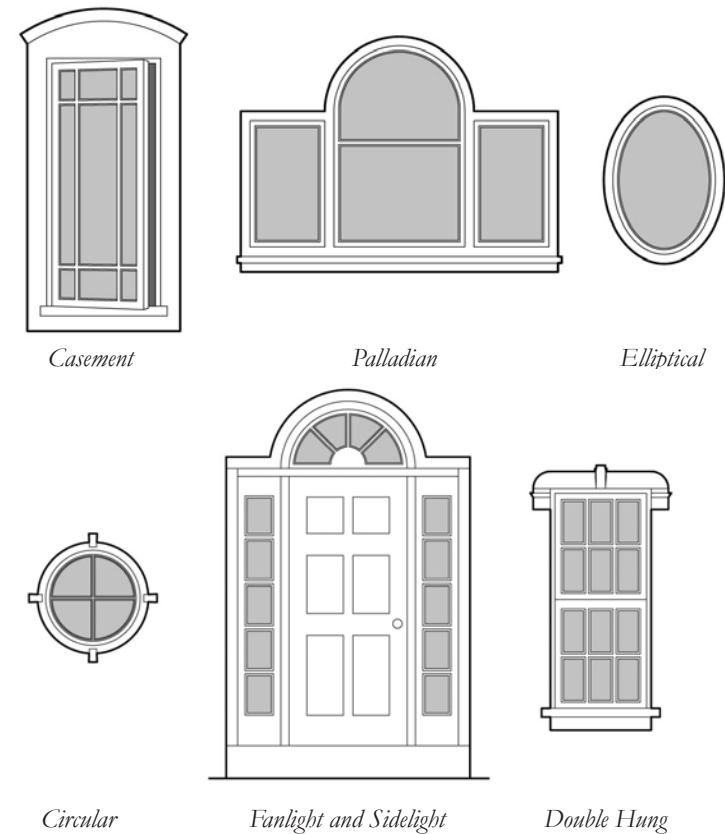


Illustration D.10 - Pane Divisions

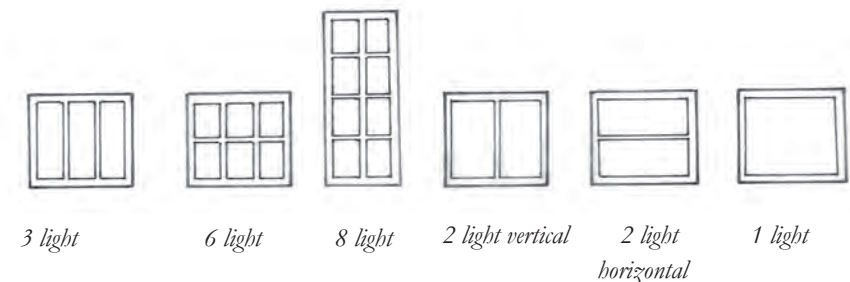




Photo D.12 - 1920's residence with original wood storms, Oak Park, Illinois



Photo D.13 - Residence with original wood storm windows, Oak Park, Illinois

made of plastic or vinyl. It is also important for new storm windows to provide a full view and not obscure the original window. Storm windows can be made operable with a triple-track system to allow for movable screen or glass sashes or fixed without movable sashes.

Encouraged:

- Repair and maintain existing wood storm windows where feasible and if they are original to the house.
- Install replacement or new wood storm windows that provide a full view of the original windows and are sized appropriately to the window frame.
- Install exterior storm windows. Interior storm windows may cause moisture condensation and further exposure and deterioration to the exterior window.

Acceptable:

- Install new storm windows that are colored to match the existing window color. Anodized and enamel coated aluminum frames will last longer than unfinished aluminum.
- New storm windows should have a central meeting rail at the same location as the historic window if it exists. Fixed storms without a central meeting rail are also acceptable.

Discouraged:

- Install storm windows that obscure the underlying window or are not sized to the window opening.
- Install plastic or vinyl storm windows.

D.2.3 DECORATIVE ART AND STAINED GLASS

Decorative windows, such as leaded glass windows, are most commonly associated with the Prairie and Craftsman/Bungalow styles, but may also be found on Queen Anne homes. Decorative art and stained glass is typically found in glass door panes, windows, and interior decorative elements. These types of features are often significant features of the home.

Guidelines for Decorative Art and Stained Glass Maintenance, Repair and Replacement

Encouraged

- Maintain and repair original decorative windows in their original size, location, and design rather than replace them.
- Install full exterior storm windows to provide protection and enhance energy efficiency

Acceptable

- Replace decorative glazing on original windows in kind (i.e., material, design, style, scale, and profile)

Discouraged

- Remove or conceal decorative windows
- Add non-original decorative glass to primary facades

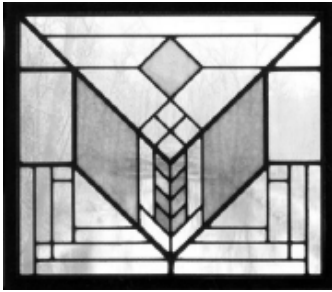


Photo D.14 - Prairie or Craftsman stained glass example



Illustration D.11 - Prairie/Craftsman/Bungalow upper sash muntin patterns



Photo D.15 - Prairie style residence with decorative glass - 144 S. Sleight Street



Photo D.16 - Shingle style residence with decorative glass - 119 N. Brainard Street

D.2.4 SHUTTERS

Shutters were historically applied to provide privacy and block the sun while allowing air to circulate. They were made of wood slats and completely covered the window when closed. Shutters may or may not be appropriate additions to historic buildings. Adding shutters depends on the use and architectural style of a building as well as documentation of their previous existence on the building. Typically, shutters are found on the Colonial Revival and Greek revival style homes in Naperville.

Guidelines for Shutter Maintenance, Repair and Replacement

Encouraged

- Maintain and repair original operable shutters. For additional information on how to care for and maintain wood, see Section D 1.3 Wood Siding Applications.

Acceptable

- Install replacement shutters that match the size, style, and profile of the original. Use existing shutters or historic photographs of the home to design replacement shutters.
- Install new shutters that are of louvered or paneled wood construction and that fit the window opening so that if closed they would cover the window opening.

Discouraged

- Removal of shutters that are original to the home.
- Install new shutters that are disproportionate to the window (i.e., do not match the height of the window opening or equal 1/2 the total window width).
- Add new shutters where none previously existed, or that are not typical of the style.
- Add new vinyl or aluminum shutters. These shutters generally have dimensions or textures which are not compatible with historic dwellings.