Historic Home Maintenance



Overview and Philosophy

The Goal of This Presentation:

- ▼ To highlight the importance of proactive rather then reactive repairs
- To illustrate the process of evaluating problems in a historic home, and to reveal their underlying causes
- ▼ To identify some potential hazards and their appropriate mitigation

The Why of Historic Home Stewardship:

"Therefore, when we build, let us think that we build for ever."

Ruskin, *The Seven Lamps of Architecture*, 1857.

The How of Maintenance and Repairs:
Simply put- "By the Gentlest Means Necessary"

Secretary of the Interior's Standards of Rehabilitation

- The historic character of a property will be retained and preserved. The removal of distinctive materials or alteration of features, spaces, and spatial relationships that characterize a property will be avoided.
- Distinctive materials, features, finishes, and construction techniques or examples of craftsmanship that characterize a property will be preserved.
- Deteriorated historic features will be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature will match the old in design, color, texture, and, where possible, materials. Replacement of missing features will be substantiated by documentary and physical evidence.
- New additions, exterior alterations, or related new construction will not destroy historic materials, features, and spatial relationships that characterize the property. The new work shall be differentiated from the old and will be compatible with the historic materials, features, size, scale and proportion, and massing to protect the integrity of the property and its environment.

What is Predictive Maintenance?

Predictive Maintenance is the planned maintenance of buildings and equipment for the purpose of detecting, analyzing, and correcting problems before failure occurs. In its simplest form, predictive maintenance can be compared to the service schedule of an automobile.

Your plan should include:

- ➤ Full initial property review
- ➤ Periodic inspection
- >Preplanned maintenance activities designed to correct any deficiencies

Why Have a Predictive Maintenance Program?

- >Timely routine repairs will lead to fewer large scale repairs.
- >When a system fails it will usually damage another part.
- ${\succ}\mbox{Improved safety and quality conditions}.$
- >Scheduled maintenance is preferable to "Surprise" maintenance.

Components of Property Review: From the Top Down

An initial property evaluation should be conducted to identify maintenance issues and to establish priorities

Leaking roof? Top priority

Carpet is showing some age? Low priority

To make sure everything is covered it will be helpful to have a checklist.

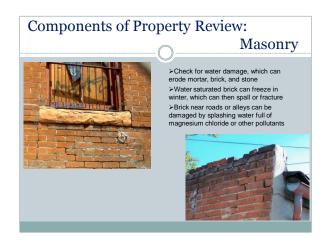


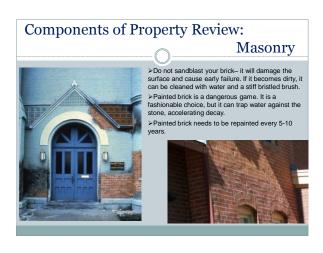
Components of Property Review: Masonry



➤The majority of Denver's historic homes are brick or stone
➤It can withstand decades of

>It can withstand decades of neglect and can be easily rehabilitated



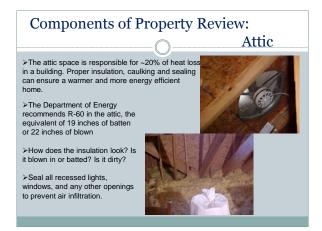


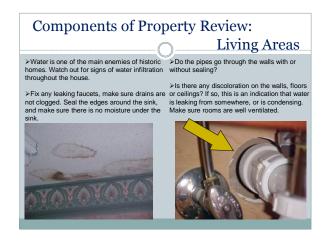




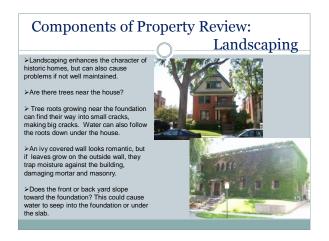














Year House was Built Percentage of Houses with Lead Based Paint Before 1940 86 percent 1940 - 1959 66 percent 1960 - 1978 25 percent All Housing 35 percent

Paint testing must be performed prior to renovation on all surfaces to be affected by the work, or you must presume the paint is lead-based. Any testing must be performed by the	
appropriate qualified professi	ionai.
Type of Paint Testing for Renovation	Who can do the testing?
	Who can do the testing? Certified Renovators
Renovation EPA-recognized test kits	
Renovation	Certified Renovators Certified lead-based paint inspectors