

APPENDIX C – DESIGN RESOURCES

Massachusetts Historical Commission

The Massachusetts Historical Commission is the Commonwealth’s State Historic Preservation Office and manages state and federal preservation programs in Massachusetts. Their website provides access to a variety of publications on historic preservation and can be accessed through:

<https://www.sec.state.ma.us/mhc/mhcpub/pubidx.htm>

Among the publications for local government that are available are:

1. Local Historical Commissions, Summary Sheet for New Commission Members
2. Flow Chart for Establishing a Local Historic District
3. About the On the Road Program
4. Municipal Preservation Plans
5. Establishing Local Historic Districts
6. Preservation Planning Manual: Local Historical Commissions - Their Role in Local Government
7. There's a Difference (National Register Historic District/Local Historic District)

Preservation Massachusetts

Preservation Massachusetts is the statewide non-profit historic preservation organization dedicated to preserving the Commonwealth’s historic and cultural heritage. They are an advocacy and education organization working with partners to revitalize communities, historic buildings and landscapes through preservation. They provide advice and technical assistance to communities throughout Massachusetts. Their Preservation Directory lists consultants and firms who specialize in a variety of preservation related fields.

<https://www.preservationmass.org>

National Park Service

Technical Preservation Services

Technical Preservation Services develops national standards and guidelines for preserving, rehabilitating, restoring, and reconstructing historic properties. They provide tools and information that historic property owners, preservation professional and organizations, and government agencies at all levels need to care for the nation’s historic properties. Information provided by Technical Preservation Services, including Preservation Briefs, Preservation Tech Notes, and Preservation by Topic, can be accessed online at:

<https://www.nps.gov/tps/about.htm>

Secretary of the Interior's Standards

The Secretary of the Interior's Standards for the Treatment of Historic Properties are common sense historic preservation principles in non-technical language. They promote historic preservation best practices that help to protect historic buildings and other resources. The website below provides access to the Standards and to a variety of different Guidelines for their use:

<https://www.nps.gov/tps/standards.htm>

Preservation Briefs

Preservation Briefs provide information on preserving, rehabilitating, and restoring historic buildings. These NPS publications help historic building owners recognize and resolve common problems prior to work. A list of available Preservation Briefs is provided below and can be accessed online at:

<https://www.nps.gov/tps/how-to-preserve/briefs.htm>

1. **Cleaning and Water-Repellent Treatments** for Historic Masonry Buildings
2. **Repointing Mortar Joints** in Historic Masonry Buildings
3. **Improving Energy Efficiency** in Historic Buildings
4. **Roofing** for Historic Buildings
5. The Preservation of Historic **Adobe Buildings**
6. **Dangers of Abrasive Cleaning** to Historic Buildings
7. The Preservation of Historic Glazed Architectural **Terra-Cotta**
8. **Aluminum and Vinyl Siding** on Historic Buildings: The Appropriateness of Substitute Materials for Resurfacing Historic Wood Frame Buildings
9. The Repair of Historic **Wooden Windows**
10. Exterior **Paint Problems** on Historic Woodwork
11. Rehabilitating Historic **Storefronts**
12. The Preservation of Historic Pigmented **Structural Glass**(Vitrolite and Carrara Glass)
13. The Repair and Thermal Upgrading of Historic **Steel Windows**
14. New **Exterior Additions** to Historic Buildings: Preservation Concerns
15. Preservation of Historic **Concrete**
16. The Use of **Substitute Materials** on Historic Building Exteriors
17. **Architectural Character**—Identifying the Visual Aspects of Historic Buildings as an Aid to Preserving their Character
18. Rehabilitating **Interiors** in Historic Buildings—Identifying Character-Defining Elements
19. The Repair and Replacement of Historic **Wooden Shingle Roofs**
20. The Preservation of Historic **Barns**
21. Repairing Historic **Flat Plaster**—Walls and Ceilings
22. The Preservation and Repair of Historic **Stucco**
23. Preserving Historic **Ornamental Plaster**
24. **Heating, Ventilating, and Cooling** Historic Buildings: Problems and Recommended Approaches
25. The Preservation of Historic **Signs**
26. The Preservation and Repair of Historic **Log Buildings**

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27. The Maintenance and Repair of Architectural **Cast Iron**
28. **Painting** Historic Interiors
29. The Repair, Replacement, and Maintenance of Historic **Slate Roofs**
30. The Preservation and Repair of Historic **Clay Tile Roofs**
31. **Mothballing** Historic Buildings
32. Making Historic Properties **Accessible**
33. The Preservation and Repair of Historic **Stained and Leaded Glass**
34. Applied Decoration for Historic Interiors: Preserving Historic **Composition Ornament**
35. Understanding Old Buildings: The Process of **Architectural Investigation**
36. Protecting **Cultural Landscapes**: Planning, Treatment and Management of Historic Landscapes
37. Appropriate Methods of Reducing **Lead-Paint Hazards** in Historic Housing
38. **Removing Graffiti** from Historic Masonry
39. Holding the Line: **Controlling Unwanted Moisture** in Historic Buildings
40. Preserving Historic **Ceramic Tile Floors**
41. The **Seismic Rehabilitation** of Historic Buildings
42. The Maintenance, Repair and Replacement of Historic **Cast Stone**
43. The Preparation and Use of Historic **Structure Reports**
44. The Use of **Awnings** on Historic Buildings: Repair, Replacement and New Design
45. Preserving Historic **Wooden Porches**
46. The Preservation and Reuse of Historic **Gas Stations**
47. **Maintaining the Exterior** of Small and Medium Size Historic Buildings
48. **Preserving Grave Markers** in Historic Cemeteries
49. **Historic Decorative Metal Ceilings and Walls**: Use, Repair, and Replacement
50. **Lightning Protection** for Historic Buildings

Preservation Tech Notes

Preservation Tech Notes provide practical information on traditional practices and innovative techniques for successfully maintaining and preserving cultural resources. A list of available Preservation Tech Notes is provided below and can be accessed online at:

<https://www.nps.gov/tps/how-to-preserve/tech-notes.htm>

Doors

1. Historic **Garage and Carriage Doors**: Rehabilitation Solutions. Bonnie Halda, AIA. 1989.

Exterior Woodwork

1. Proper **Painting and Surface Preparation**. Sharon Park, AIA. 1986.
2. Paint Removal from **Wood Siding**. Alan O'Bright. 1986.
3. **Log Crown Repair** and Selective Replacement Using Epoxy and Fiberglass Reinforcing Bars. Harrison Goodall. 1989.
4. Protecting Woodwork Against Decay Using **Borate Preservatives**. Ron Sheetz and Charles Fisher. 1993.

Finishes

1. **Process-Painting Decals** as a Substitute for Hand-Stencilled Ceiling Medallions. Sharon Park, FAIA. 1990.

Historic Glass

1. Repair and Reproduction of **Prismatic Glass Transoms**. Chad Randl. 2002.
2. Repair and Rehabilitation of Historic **Sidewalk Vault Lights**. Cas Stachelberg and Chad Randl. 2003.

Historic Interior Spaces

1. Preserving Historic **Corridors in Open Office Plans**. Christina Henry. 1985.
2. Preserving Historic **Office Building Corridors**. Thomas Keohan. 1989.
3. Preserving Historic **Corridor Doors and Glazing** in High-Rise Buildings. Chad Randl. 2001.

Masonry

1. **Substitute Materials**: Replacing Deteriorated Serpentine Stone with Pre-Cast Concrete. Robert M. Powers. 1988.
2. Stabilization and Repair of a Historic **Terra Cotta Cornice**. Jeffrey Levine and Donna Harris. 1991.
3. Water Soak **Cleaning of Limestone**. Robert M. Powers. 1992.
4. Non-destructive **Evaluation Techniques** for Masonry Construction. Marilyn E. Kaplan, Marie Ennis and Edmund P. Meade. 1997.

Mechanical Systems

1. Replicating Historic **Elevator Enclosures**. Marilyn Kaplan, AIA. 1989.

Metals

1. Conserving **Outdoor Bronze Sculpture**. Dennis Montagna. 1989.
2. Restoring **Metal Roof Cornices**. Richard Pieper. 1990.
3. In-kind Replacement of Historic **Stamped-Metal Exterior Siding**. Rebecca A. Shiffer. 1991.
4. Rehabilitating a Historic **Iron Bridge**. Joseph P. Saldibar, III. 1997.
5. Rehabilitating a Historic **Truss Bridge** Using a Fiber-Reinforced Plastic Deck. Chad Randl. 2003.
6. Repair and Reproduction of **Metal Canopies and Marquees** with Glass Pendants. Lauren Van Damme and Charles E. Fisher. 2006.

Museum Collections

1. **Museum Collection Storage** in a Historic Building Using a Prefabricated Structure. Don Cumberland, Jr. 1985.
2. Reducing Visible and **Ultraviolet Light Damage** to Interior Wood Finishes. Ron Sheetz and Charles Fisher. 1990.

Site

1. **Restoring Vine Coverage** to Historic Buildings. Karen Day. 1991.

Temporary Protection

1. Temporary Protection of Historic **Stairways**. Charles Fisher. 1985.

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2. Specifying Temporary Protection of Historic **Interiors During Construction** and Repair. Dale H. Frens. 1993.
3. Protecting A **Historic Structure** during Adjacent Construction. Chad Randl. 2001.

Windows

Please note that 1–9 are available only in the NPS publication *The Window Handbook: Successful Strategies for Rehabilitating Windows in Historic Buildings*, which can be purchased through the Historic Preservation Education Foundation.

1. Planning Approaches to **Window Preservation**. Charles Fisher. 1984.
2. Installing Insulating Glass in Existing **Steel Windows**. Charles Fisher. 1984.
3. Exterior Storm Windows: **Casement Design Wooden Storm Sash**. Wayne Trissler and Charles Fisher. 1984.
4. Replacement **Wooden Frames and Sash**. William Feist. 1984.
5. Interior **Metal Storm Windows**. Laura Muckenfuss and Charles Fisher. 1984.
6. Replacement Wooden Sash and Frames With **Insulating Glass and Integral Muntins**. Charles Parrott. 1984.
7. **Window Awnings**. Laura Muckenfuss and Charles Fisher. 1984.
8. **Thermal Retrofit** of Historic Wooden Sash Using Interior Piggyback Storm Panels. Sharon Park, AIA. 1984.
9. Interior Storm Windows: **Magnetic Seal**. Charles Fisher. 1984.
10. **Temporary Window Vents** in Unoccupied Historic Buildings. Charles Fisher and Thomas Vitanza. 1985.
11. **Installing Insulating Glass** in Existing Wooden Sash Incorporating the Historic Glass. Charles Fisher. 1985.
12. Aluminum **Replacements for Steel Industrial Sash**. Charles E. Fisher. 1986.
13. Aluminum Replacement Windows with **Sealed Insulating Glass and Trapezoidal Muntin Grids**. Charles Parrott. 1985.
14. Reinforcing **Deteriorated Wooden Windows**. Paul Stumes, P.Eng 1986.
15. **Interior Storms** for Steel Casement Windows. Charles E. Fisher and Christina Henry. 1986.
16. Repairing and Upgrading **Multi-Light Wooden Mill Windows**. Christopher W. Closs. 1986.
17. Repair and Retrofitting **Industrial Steel Windows**. Robert M. Powers. 1989.
18. **Aluminum Replacement Windows** With True Divided Lights, Interior Piggyback Storm Panels, and Exposed Historic Wooden Frames. Charles Parrott. 1991
19. Repairing **Steel Casement Windows**. Chad Randl. 2002.
20. **Aluminum Replacement Windows for Steel Projecting Units** with True Divided Lights and Matching Profiles. Chad Randl. 2003.
21. **Replacement Wood Sash** Utilizing True Divided Lights and an Interior Piggyback Energy Panel. Charles E. Fisher. 2008.
22. Maintenance and Repair of Historic **Aluminum Windows**. Kaaren R. Staveteig. 2008

Preservation by Topic

Technical Preservation Services has compiled an index of preservation resources by topic to assist users in finding online and printed information that has been developed on the subject of historic preservation, cultural landscapes, and the rehabilitation of historic buildings. The index is arranged alphabetically and topics are cross referenced where appropriate. It includes listings of Preservation Briefs, Preservation Tech Notes, and ITC Bulletins (which are not generally available elsewhere). Preservation by Topic may be accessed online at:

<https://www.nps.gov/tps/how-to-preserve/by-topic.htm>

Lead Paint Resources

The US Environmental Protection Agency offers a full range of information and easy-to-use guides associated with the identification, safety concerns, and rules associated with lead paint. The following website provides access to publications for home owners, contractors, and others.

1. EPA Website on Lead Paint

<https://www.epa.gov/lead>

2. The Lead-Safe Certified Guide to Renovate Right

<https://pueblo.gpo.gov/Publications/PuebloPubs.php?PubID=1348>