

Mark Robert Morden, AIA
Associate Principal

960 South Harney Street **Wiss, Janney, Elstner Associates, Inc.** (206) 622-1441
Seattle, Washington 98108

Education University of Oregon
Bachelor of Architecture, 1980

Work Experience **Wiss, Janney, Elstner Associates, Inc.**
Seattle, Washington, office
1987 - present

Wiss, Janney, Elstner Associates, Inc.
Northbrook, Illinois, office
Chicago, Illinois, office
1982 - 1987

Consultant with multi-disciplinary firm specializing in investigation, analysis, and design for existing historic and contemporary buildings and structures.

Melvin Grossman, PA
1980 - 1981

Drafter for architectural firm specializing in hotel/casino design; preparation of construction drawings, schematic design work, design development.

Registrations Architect - State of Illinois, 1984
Architect - State of Washington, 1990
Architect - State of Oregon, 2001
NCARB Certification, 2001

Certificates Certified Construction Specifier – Construction Specifications Institute, 1998
Construction Documents Technologist - Construction Specifications Institute, 1998

Professional Activities American Institute of Architects, Seattle Chapter
Construction Specifications Institute
Association for Preservation Technology
Editorial Advisory Board of Roofer Magazine, 1996-99

Awards "Award of Merit" from the Washington Trust for Historic Preservation for outstanding restoration and rehabilitation of the Frederick W. Winters House, Bellevue, WA.

Washington State Legislative Building Rehabilitation, "2006 AIA Institute Honor Award for Architecture." Client: General Administration. Architect: SRG Partnership.
WJE was the subconsultant for the exterior sandstone cladding rehabilitation, reroofing, and plaza waterproofing replacement.

Representative Professional Work

Contemporary Building Projects

Group Health Everett, Everett, Washington - Recladding design for EIFS-clad five story health clinic/parking garage. New design included fiber-cement panels and three types of metal panels. Provided construction drawings and specifications for the removal of the aged EIFS cladding and installation of new enclosure systems.

Domaine Serene Winery, Dundee, Oregon - Investigation of failed lime-based stucco finish coat on a multi-building facility. Developed repair documents for the replacement of the finish coat and other cladding construction defects. Provided construction observation services and litigation support.

Private Residence, Dundee, Oregon - Investigation of deteriorated stucco cladding on a large multi-story private residence. Provided repair documents for the removal and replacement of the stucco, including developing a “hidden control joint” system for the new cladding. Also provided construction observation services and litigation support.

Burien Park Apartments, Burien, Washington - Investigation of stucco cladding and water damage to wood framed balconies and exterior wall framing. Developed repair documents to replace existing balconies, add new balconies, partial recladding of exterior facades, and repair of stucco cladding. Provided construction observation services.

Stucco Cladding Evaluation Survey, Western Washington - Conducted condition surveys of stucco claddings on seven housing buildings for the King County Housing Authority. Services included evaluation of cladding systems and providing repair recommendations for repair and rehabilitation.

Private Residence, Salem, Oregon - Litigation support of construction defect and water infiltration project for EIFS clad, 14,000 square foot house. Also included was roofing, cast stone balustrades, and sheet metal flashings and gutters. Participated in mediation process. Developed repair drawings and specifications to reclad building in stucco and repair other defects. Provided construction administration services.

Chemeketa Community College, Woodburn, Oregon - Investigation of cracked and damaged stucco applications on both a new college building and reclad existing building. Investigation included cracked tile walls in building lavatories. Cladding investigation included removal of stucco samples for laboratory analysis and petrographic study. Provided report of findings and repair recommendations. Also provided litigation support.

Newport Court Condominiums, Bellevue, Washington - Investigation of water infiltration and construction defects on three-story, wood framed, 39 unit condominium. Developed repair drawings and specifications after dispute settlement. Provided construction administration services.

2300 Elliott Apartments, Seattle, Washington – Investigation of deterioration and condition survey of EIFS cladding system on 94 unit, wood-frame building. Developed recladding design, construction documents for recladding including new windows, roofing replacement, and plaza replacement. Provided construction observation and immediate design services during construction.

**Representative
Professional Work
(cont.)**

Historic Building Projects (Pre 1930s buildings)

State of Washington Legislative Building, Olympia, Washington – Investigation and condition survey of historic sandstone Capitol building. Included was post earthquake evaluation of damage to columns and pilasters at dome level. Development of repair documents for the rehabilitation, repair, and cleaning of the sandstone cleaning; replacement of the building roofing systems; replacement of the plaza waterproofing system. Provided construction observation services.

Historic Lighthouses, Tillamook and Bandon, Oregon - Condition survey of two lighthouses on the Oregon coast. Prepared for each structure an Historic Structures Report. Produced repair/restoration drawings and specifications.

Campbell House, Spokane, Washington - Condition survey of the historic sandstone cladding on the mansion and carriage house. Provided recommendations for repair and rehabilitation.

Spokane Post Office, Spokane, Washington - Condition survey of the sandstone cladding. Provide repair recommendations for the rehabilitation and cleaning of the facade. Directed cleaning mockups of the stone. Developed repair documents for the exterior cladding.

Maynard Building, Seattle, Washington - Investigation of sandstone failure of 1892 building facade. Developed emergency repairs for localized conditions on exterior. Removed stone samples for petrographic analysis. Provided repair and rehabilitation recommendations.

Heritage Building, Seattle, Washington - Condition survey of sandstone cladding. Development of rehabilitation documents for the repair and cleaning of the exterior facade.

Arctic Building, Seattle, Washington - Investigation of failed terra cotta walrus head tusks. Recommended repair program. Developed repairs and produced specifications for repair and replacement of damaged heads. Construction observation of repairs.

Dexter Horton Building, Seattle, Washington – Investigation of failed terra cotta cladding and strain relief testing. Pre and post earthquake evaluations. Recommendations for repair. Development of repair documents and construction observation services

St. Marks Cathedral, Seattle, Washington - Investigation and condition survey of historic concrete church. Recommendations for repair and feasibility study for cladding the building with stone. Consultation and peer review of new limestone cladding design.

King Street Station, Seattle, Washington – Condition survey and treatment testing of brick and terra cotta cladding on the exterior of historic train station. Prepared repair recommendations. Developed specifications. Developed repair documents for the restoration of the Compass Room lobby on the interior, including marble, tile, and plaster restoration.

Frederick W. Winters House, Bellevue, Washington - Condition survey and produced an Historic Structure Report for the City of Bellevue Department of Parks and Recreation; developing rehabilitation and repair recommendations; designing renovation of building from private residence to community center; preparation of construction documents; and authoring nomination for the National Register of Historic Places.

Publications

- “Earthquake Damage Stabilization, Legislative Building, Olympia, Washington,” presented at the Association for Preservation Technology International Conference; Toronto, Ontario, Canada; September, 2002.
- “Stucco Cladding,” *Avoiding Failures of Popular Cladding Systems*, The College of Architecture and Urban Planning, Continuing Professional Education Program, University of Washington, November, 2001
- “Cladding Design Theory,” *Avoiding Failures of Popular Cladding Systems*, The College of Architecture and Urban Planning, Continuing Professional Education Program, University of Washington, November, 2001
- “Components of a Typical Wall Assembly,” *Avoiding Failures of Popular Cladding Systems*, The College of Architecture and Urban Planning, Continuing Professional Education Program, University of Washington, November, 2001
- “Approaches to the Repair or Replacement of Recent Windows and Curtain Walls,” *Preserving the Recent Past 2*, Historic Preservation Education Foundation, National Park Service, Association for Preservation Technology International, November, 2000. Co-authored with David S. Patterson and Bruce S. Kaskel.
- “Approaches to the Repair or Replacement of Recent Windows and Curtain Walls,” presented at the Preserving the Recent Past 2 Conference; Philadelphia, Pennsylvania; November, 2000. Co-authored with David S. Patterson and Bruce S. Kaskel.
- “Terra Cotta Cladding Investigation Case Studies,” presented at the RESTORE conference, Seattle, Washington, May 2000
- “Methods for Investigating and Reporting EIFS Field Problems,” Experts panel member, ASTM Workshop: Investigation and Remediation of Water-related Problems in EIFS-clad Wood-framed Buildings; Seattle, Washington; April, 1999
- “Repairing a Failed Restoration, The Terra Cotta Walrus Heads at the Arctic Building, Seattle, Washington,” presented at the 1997 Conference of the Association for Preservation Technology International, Chicago, Illinois, September, 1997.
- “Selecting Roofing Insulation,” *Building Operation Management* magazine, February, 1997
- “Criteria for Repair and Replacement of Terra Cotta,” *Standards for Preservation and Rehabilitation*, American Society for Testing and Materials STP 1258, 1996, co-authored with Deborah Slaton
- “The Value of a Professional Roofing Consultant,” *Roofer Magazine*, Volume 16, Number 3, March 15, 1996

**Publications
(cont.)**

- "Secrets of a Successful Restoration Project: The Frederick W. Winters House," presented at the Annual Conference of the Washington Trust of Historic Preservation, Seattle, Washington, September, 1993
- "Restoring Terra Cotta," *Aberdeen's Magazine of Masonry Construction*, Volume 6, Number 6, June, 1993. Co-authored with Deborah Slaton.
- "Facadism: Preservationist's Dilemma," *Arcade Magazine*, Fall, 1992
- "Early Detection of Distress Keeps Buildings Healthy," *Commercial Building Management News*, October/November, 1992
- "Historic Masonry Facades," presented at the Building Envelope Seminar, Seattle, Washington, October, 1992.
- "Terra Cotta: Issues in Investigation, Repair, and Restoration," *1992 Proceedings of the 6th Canadian Masonry Symposium*, Saskatoon, Saskatchewan, June, 1992. Co-authored with Deborah Slaton and Harry J. Hunderman.
- "Terra Cotta: Issues in Investigation, Repair, and Restoration," presented at the 1992 6th Canadian Masonry Symposium, Saskatoon, Saskatchewan, June, 1992. Co-authored with Deborah Slaton and Harry J. Hunderman.
- "Don't Let Your Buildings Get All Wet," *Commercial Building Management & Property News*, June/July, 1992
- "Salvaging Brick," *Aberdeen's Magazine of Masonry Construction*, Volume 3, Number 10, October, 1990. Co-authored with Deborah Slaton.
- "Practice Pointers - Flashings in Masonry Construction," *CCAIA Focus*, May, 1990.
- "Preservation/Restoration Sketchbook - Tribune Tower Building," *CCAIA Focus*, May, 1990. Co-prepared with Christopher Sass, AIA.
- "Yin and Yang: Reconstruction of Historic Facades for the Eatons Development, Victoria, British Columbia," presented at the 1990 Conference of the Association for Preservation Technology International, Montreal, Quebec, September, 1990. Co-authored with Deborah Slaton.
- "Repair and Restoration of the Ornamental Limestone Facade at the Chicago Tribune Building," presented at the 1989 Conference of the Association for Preservation Technology International, Chicago, Illinois, September, 1989. Co-authored with Walter Arnold.