



CURRICULUM VITAE

NAME/TITLE: Christian Andrew Busch, Principal, AAIA

SPECIALTIES: Historic Materials and Systems of Construction, [Windows, Curtain Walls, Masonry and Roofing]

PRACTICE: Forensic Analysis, [Survey, Investigation, Assessment, Documentation, Remedial Design, Inspection]
Historic Preservation, [Research, Survey, Investigation, Assessment, Documentation, Design]
Architecture, [Research, Survey, Feasibility, Assessment, Context-Sensitive Design, Project Management]
Construction, [Feasibility, Cost Estimating, Bidding, Inspection, Project Management]
Representation, [Regulatory Agency Liaison, Owner's Representative]

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EDUCATION:

Masters of Architecture, *University of Pennsylvania*, School of Design, 1997.
Certificate in Historic Preservation, *University of Pennsylvania*, School of Design, 1997.
Bachelor of Arts, *Franklin & Marshall College*, Classical History and Archaeology, 1991.

PROFILE/EXPERIENCE:

Christian A. Busch is the owner and founding principal of *20th Century Preservation, LLC*, an award winning architecture and preservation consulting firm located in Ardmore, PA. With over twenty-three years of experience in the fields of design and construction, he has worked as a laborer, carpenter, project and construction manager, estimator, designer and consultant for numerous renovation, modernization, rehabilitation and adaptive reuse projects involving locally and/or nationally registered historic structures throughout Philadelphia and the surrounding region. Mr. Busch's professional practice focuses primarily on Forensic Analysis, Historic Preservation and Architectural Consulting for institutional, commercial and residential clients. His extensive field experience in architecture, preservation and construction is complimented by a technical education in architectural design and historic preservation from the *University of Pennsylvania*, an active involvement in numerous professional associations, preservation advocacy groups and the local community.

PROFESSIONAL AFFILIATIONS:

DOCOMOMO, Documentation and Conservation of Building Sites and Neighborhoods of the Modern Movement, 2004-Present.
ASTM International [ASTMI], Participating Member, Committee E06, Performance of Buildings, 2004-Present.
Historical Commission, Township of Lower Merion, Board Member, 2004-2005, Vice-Chair, 2006-2009, Chair 2010, [2nd 5 Year Term].
Lower Merion Conservancy, Board Member, 2001-Present, [3rd 3 Year Term].
Association for Preservation Technology International [APTI], Associate Member, 1999-Present.
Frank Lloyd Wright Building Conservancy [FLLWBC], Home Owner, Technical Consultant and Associate Member, 1999-Present.
National Council of Architectural Registration Boards [NCARB], Council Record, 1997-Present.
American Institute of Architects [AIA], Philadelphia Chapter, Associate Member, 1997-Present.
Preservation Alliance for Greater Philadelphia, Associate Member, 1997-Present.

ACADEMIC AFFILIATIONS:

Philadelphia University, School of Architecture, Adjunct Faculty [Co-Professor], Undergraduate Design Studio [Design IX], 2006-2007.
Philadelphia University, School of Architecture, Guest Critic, Undergraduate Design Studio [Various], 2001-2002 and 2004-Present.
University of Pennsylvania, School of Design, Graduate Teaching Assistant, Construction Technology, 1995-97.

LECTURES:

Frank Lloyd Wright Building Conservancy, Annual Conference Lecturer, "The Unique Challenges of Restoring the Promenade Roof Decks of Frank Lloyd Wright's Suntop Homes," Pittsburgh, PA, 2008.
University of Pennsylvania, School of Design, Department of Historic Preservation, Alumni Lecture Series, "The Investigation and Repair of 30th Street Station's Cast Iron Curtain Walls," Philadelphia, PA, 2005.
University of Pennsylvania, School of Design, Department of Historic Preservation, Alumni Lecture Series, "The Personal and Professional Challenges of Restoring Wright," Philadelphia, PA, 2003.
Lower Merion Conservancy, Historic Preservation Lecture Series, "Frank Lloyd Wright and the Genesis of the Modern American Home," Ardmore, PA, 2002, 2007.
NPS/APT Conference, Historic Preservation Tours, "Frank Lloyd Wright's Suntop Homes," Ardmore, PA, 2001.
Frank Lloyd Wright Building Conservancy, Annual Conference Lecturer, "Restoration of Suntop Unit G: Preservation Philosophies, Restoration Budgets and the Temperance of Living," Minneapolis, MN, 2000.
University of Pennsylvania, School of Design, Department of Architecture, Construction Technology, "Building Technology in Ancient Greece," Philadelphia, PA, 1994-1996.

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AWARDS:

Heritage Commission of Delaware County, Annual Preservation Award, Restoration of The Walden School, Media, PA, 2010.

Preservation Alliance of Greater Philadelphia, Preservation Achievement Grand Jury Award, Restoration of the former Federal Reserve Bank of Philadelphia Cret/Yellin monumental wrought iron Gates, Philadelphia, PA, 2008.

Heritage Commission of Delaware County, Annual Preservation Award, Restoration of former Wentworth Estate, Rosemont, PA, 2007.

University of Pennsylvania, School of Design, Department of Architecture, Construction Prize, Philadelphia, PA, 1997.

REPRESENTATIVE PROJECTS:

FORENSIC ANALYSIS

- **The Walden School** [1926], Wood/Aluminum Windows, replacement: survey, product/performance evaluation, recommendation, cost analysis, design, specification and construction management, Media, PA
- **Rafi Residence** [1903], Pebble-Dash Stucco and Sheet Metal Flashings, restoration: research, survey, design, specification and construction management, Chadds Ford, PA
- **Alden B. Dowe's Charch Residence** [1950], Low-Slope Roof, failure analysis: research, survey, design, specification and construction management, Chadds Ford, PA
- **Amtrak**, 30th Street Station [1934], Cast Iron Curtain Wall and Metal Windows, failure analysis: physical investigation, assessment and remedial design, in conjunction with Wiss, Janney, Elstner Associates, Inc. [WJE], Philadelphia, PA
- **York Hospital**, Main Building, Aluminum Windows, failure analysis: survey, product/performance evaluation, recommendation and cost analysis, York, PA
- **Muhlenberg College**, Haas Hall [1928], Sheet Metal Gutter Lining, failure analysis: physical investigation, assessment and remedial design, Allentown, PA
- **Frank Lloyd Wright's Suntop Homes** [1939], Building Envelope & HVAC Systems, failure analysis: survey, physical investigation, assessment and remedial design [brick, cypress siding, promenade roof deck, flashing, glazing and colored concrete], HVAC system design, documentation, observation, Ardmore, PA
- **Gettysburg Village Factory Stores**, Building Envelope and Site, failure analysis: materials [concrete paving, slabs, siding, trim, glazing and roofing], Gettysburg, PA
- **Art Institute of Philadelphia**, 1622 Chestnut Street [1928], Building Envelope, repairs: survey and assessment [steel windows and decorative metalwork], Philadelphia, PA

HISTORIC PRESERVATION

- **Thomas Jefferson University Hospital [TJUH]**, Paul Cret's [former] Federal Reserve Bank, Samuel Yellin Gate Restoration: research, survey, design, specification and construction management, Philadelphia, PA
- **Walter Reed Army Medical Center**, Building 11 [c1930], Wood Window Restoration, consulting: document review, survey, assessment and ongoing inspections, Washington, DC
- **The Barclay** [1928], Window Restoration, consulting: survey, assessment [wood, steel and hollow metal windows], remedial design, documentation, cost analysis, bidding, contracts, observation and performance inspections, Philadelphia, PA
- **216 W. Washington Square** [1911], Building Envelope, consulting: survey, assessment [wood and steel windows, brick and terra cotta], Philadelphia, PA

ARCHITECTURE

- **The Lower Merion Conservancy**, Education Center, feasibility study: survey, programming, design and cost analysis, Gladwyne, PA
- **Protocall Technologies, Inc.**, Office and Server Room, feasibility study [4,600sqft expansion], and space planning: survey, programming and design for corporate headquarter offices, server room, technical support, kitchen, lunchroom, loading and warehouse, Commack, NY.
- **The Barclay**, 237 S. 18th Street, [1928], Historic Entrance Doors and Marquee, design: research, survey, design, documentation, bidding, contracts and observation, Philadelphia, PA
- **Thomas Jefferson University Hospital [TJUH]**, 925 Chestnut Street, [1925-1933], Medical Office Building Conversion, feasibility study and architectural design: research, survey, programming, design, documentation, project management, Philadelphia, PA

CONSTRUCTION

- **Mattioni Ltd**, 399 Market Street, Tenant Improvements, tenant representative: construction management, performance inspections, Philadelphia, PA
- **Art Institute of Philadelphia**, 1622 Chestnut Street [1928], Façade and Building Improvements, inspections: annual performance inspections, Philadelphia, PA
- **The Cheyney Residence** [1927], Façade Restoration and Repair, construction: research, survey, investigation, assessment [brick], testing, documentation, remedial design, construction documents, cost estimating, bidding, inspection, project management, Ardmore, PA

REPRESENTATION

- **Thomas Jefferson University [TJU]**, 925 Chestnut and Main Building, Philadelphia Historical Commission: campus-wide signage and way finding, hardscape improvements and façade lighting, Philadelphia, PA
- **The Barclay**, Condominium Conversion, Philadelphia Historical Commission: façade repairs, historic entrance door recreation, entrance marquee addition, wood window restoration, window glass replacement and cooling tower screen, Philadelphia, PA
- **216 W. Washington Square**, Condominium Conversion, Philadelphia Historical Commission: façade repairs and penthouse addition, Philadelphia, PA
- **925 Chestnut Street**, Medical Office Building, Philadelphia Historical Commission: façade repairs, patient drive-through/drop-off, main entrance lobby, six-story elevator tower and lobbies, Philadelphia, PA

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