



GBCA

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Architects

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Christopher Borgal

B.Arch., OAA, FRAIC CAHP

Experience

Christopher Borgal has 40 years of experience in architecture. He is one of Canada's leading heritage consultants with specialized knowledge in historic restoration, heritage planning, building science, and museum design and has provided services on over 2,000 projects in Canada, the U.S. and the Caribbean during his career.

His project experience includes a vast array of building types including some of the most visible and important buildings in Canada.

Current and Recent Projects

A few current projects (as of January 2013 - as partner-in-charge and owner of GBCA Architects):

- Quality control and document management for the restoration of plaster ceilings of the former Bank of Montreal building, Ottawa, as part of the relocation of the West Block committee room 400, Parliamentary Precinct (for Limen Masonry)
- Restoration of the exterior façade and various other projects at the Royal Alexandria Theatre, Toronto
- Heritage Consultant to Oxford Properties development, Toronto Conference Centre
- Renovations to the historic Orillia Opera Hall, Orillia, Ontario (new elevator tower)
- Condition review of 5 heritage properties on George St., Toronto
- Heritage Consultant for 222 Bay Street and the overall Toronto Dominion Centre site for Cadillac Fairview Corporation, Toronto, ON.
- Heritage Consultant to various development projects, downtown Toronto.
- Heritage Consultant for the Swift Current Railway station complex, Saskatchewan
- Expert witness on behalf of the South Rosedale Residents Association for demolition application at 11 Thornwood, Toronto
- Restoration of fire-damaged and gutted All Saints Anglican Church, Whitby, Ontario
- Heritage Consultant for changes to the SkyWalk property modifications for the Pearson Airport Rail Link, Metrolinx
- Heritage Consultant to Oxford Developments for the redevelopment of 100 Adelaide St. W. and 85 Richmond St. W., Toronto (16 storey building reclamation attached to new 46 storey tower)
- Heritage consultant for proposed 50 storey tower and conversion of 151 Front Street and 20 York Street (the Skywalk) for Allied Properties REIT, Toronto
- Heritage Consultant to Delcan corp. for renovations to the Maple GO station for Metrolinx
- Construction supervision of heritage work for re-construction of Heritage Train Sheds, Union Station, GO Transit, project value \$250,000,000
- Heritage Conservation District Plan for the Town of Whitby including assessment and inventory of over 400 properties.
- Heritage Consultant/architect for proposed renovations and additions to Massey Hall, Toronto (\$100m project, approximately \$20m restoration)
- Heritage Impact Assessment for the development of the Loretto College Site (new \$100m

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development), Niagara Falls, ON

- Architects for the redevelopment of the Peel Heritage Complex, Brampton, project value \$15,000,000 – completed recently. Museum, art gallery and archives in 1850's jail and 1950's municipal complex.
- Advisor to the Canadian Museum of Agriculture for implementation of projects flowing from the Master Plan including site changes, an events pavilion and development of new visitor centre facilities
- Heritage consultant for renovations to the Governor's House, Don Gaol, Toronto

Past Projects

A few past projects include:

International Sites

- Specifications and consultation for the Capitolio (State Capital) Building, San Juan, Puerto Rico
- Heritage and condition assessment of the Pigeon Island Fortification Complex, St. Lucia (constructed between 1780 and 1820 – project sponsored by the Getty Institute)
- Consultation and project evaluation of projects for the Getty Institute for sites in Buffalo, N.Y. (Frank Lloyd Wright – designed Darwin Martin House) ; Los Angeles, Calif. (restoration of the Schindler House), and Glessner House Museum, Chicago, Ill (historic house conversion to museum).

National Sites:

- Heritage architect/consultant to the boiler house, Saskatchewan legislative complex (for SEPW Architects).

- Heritage consultant/architect, Edmonton Federal Building redevelopment, Alberta Legislative Precinct, Edmonton AB (with Kasian Architects)
- Heritage and Planning advisor, Master Plan for the Palisades Training Centre, Jasper Alberta (with Kasian Architects)
- Heritage Advisor, Master Plan for the Alberta Legislative Precinct with Kasian Architecture and Sasaki Associates
- Heritage consultant for repairs to the Newfoundland Legislative Assembly building. St. John's, Nfld. (for Jokinen Engineering Services)
- Consultant to the Auditor General for Canada – prepared a project audit of the \$125m Canadian Museum of Nature, Victoria Memorial Museum Building upgrade
- Heritage designer and architect for the redevelopment of the former U.S. Embassy Building, Ottawa, for the proposed National Portrait Gallery, Ottawa ON (with Teeple Architects)
- Heritage Advisor to the Long Term Vision and Plan project for the Parliamentary Precinct, Ottawa (with DTAH Architects)
- Risk assessment for the redevelopment of the West Block, Parliament Hill, Ottawa for the Long Term Planning Office, House of Commons
- Heritage Consultant and architect for the study team for master planning and upgrade of the British Columbia Legislature Complex, Victoria. B.C. (with Zeidler Architects)
- Heritage consulting/architect as a part of the team (P. Goldsmith as partner-in-charge) for the new National Ballet School, Toronto (phase one) and

heritage input (as principal architects) for the redevelopment, restoration and adaptive re-use (as residences) of the original facility (phase 2). Total project value \$105m.

- Project Conservation Architect for restoration of the South Façade, (Centre Block, Parliament Hill), and masonry repairs and studies for the Parliamentary Library, East Block, West Block and Vaux walls, Parliament Hill, Ottawa (on contract with the Heritage Conservation Directorate, PWGSC).
- Project Conservation Architect for preliminary masonry repairs and studies for the proposed Parliamentary Library restoration, Parliament Hill, Ottawa (with PWGSC-HCD).
- Project Conservation Architect for masonry repairs and studies for the East Block, Parliament Hill, Ottawa (with PWGSC-HCD).
- Project Conservation Architect for masonry repairs and studies for the West Block, Parliament Hill, Ottawa (with PWGSC-HCD).
- Project Conservation Architect for masonry repairs and studies for the Vaux walls, Parliament Hill, Ottawa.
- Consultant for roofing repairs over the Royal Suite, Rideau Hall, Ottawa, ON
- Consultant to upgrades, National Aviation Museum, Ottawa
- Renovations and restoration of the Turkish Embassy, Ottawa (former 1914 Tudor revival hospital) with Morrison Hershfield Ltd. engineers.
- Consultant for projects at the National gallery of Canada

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- including window replacements, and interior renovations
- Project architect, asbestos mitigation, G Block, RCMP Headquarters, Ottawa
- National Agriculture Museum (National Museum of Science and technology) – Master Plan
- National Agriculture Museum, Ottawa - new barn facility, and studies related to hay storage, highest and best use of Building 94 and various repairs to building 88.

Ontario Sites:

- Condition surveys and evaluation of the Sir Harry Oaks Chateau, Inge-Va, Bethune Thompson House, and McMartin House for the Ontario Heritage Trust.
- Heritage consulting and architectural services for the \$40m redevelopment of the Guelph City Hall complex including the 1856 William Thomas designed City Hall.
- Restoration of the bronze animated Birks Clock, Hamilton, Ontario, for the City of Hamilton.
- Heritage Consultant related to the partial collapse and fire of 335 Yonge Street, Toronto
- Heritage Consultant, under the auspices of Heritage Canada Foundation, for the aftermath of the Goderich tornado disaster.
- Design and Heritage Architectural Consultant for the restoration and upgrade of Assumption Roman Catholic Church, Windsor, ON (with studio g+G inc. architect)
- Architectural team leader for the assessment and restoration of heritage ceiling (lay) light; fire safety upgrades, and restoration of statuary at Queens Park (Legislative Building), Toronto
- Panel member for restoration evaluation for the Legislative Chamber, Queens Park, Toronto
- Restoration of Fulford Place, Brockville, Ontario (in joint venture)

Toronto (GTA) Sites:

- Heritage consultant and lead architects for the redevelopment of 10 Toronto Street (former HQ of Hollinger International), Toronto
- Heritage Consultant, Canon (now Mirvish) Theatre, Toronto ON
- Advisor to restoration work at the Grange, Art Gallery of Ontario
- Heritage architects for restoration of the Flatiron Building, Toronto
- Heritage Consultant for restoration and reconstruction of two facades of the 12 storey National Building at the Bay-Adelaide Centre (attached to new 50 storey office tower), Toronto (for WZMH Architects)
- Restoration of Building 3 and 4, the Gooderham Cottages, at Sanofi Pasteur Laboratories, Toronto
- Heritage consultant for modifications to the north façade, Scotiabank Plaza, Toronto (for WZMH Architects)
- Heritage advisor for the redevelopment of Women's College Hospital, Toronto
- Condition review, the Arts and Letters Club, Toronto
- Condition review, several buildings, the Guild Inn site, Toronto
- Restoration of cast iron light fixtures, Palmerston Ave., Toronto (for the City of Toronto).

- Heritage Consultant for marble columns, the Guild Inn site, City of Toronto
- Repairs to the Princes' Gates, Toronto (Canadian National Exhibition)

Museum sites:

- Heritage consultant for the restoration of the original Township hall as a part of the new Niagara Falls Museum
- Restoration projects for several buildings (most recently the mill flume) at Black Creek Pioneer Village, Toronto ON
- Restoration work at the Elam Martin farmstead, City of Waterloo
- Renovations and addition to the Bruce County Museum, Southampton (\$10m project for the County of Bruce)
- Restoration and expansion of the Woodstock Museum. Woodstock ON.
- Repairs to Helliwell House, Todmorden Mills, Toronto
- Repairs to Colborne Lodge, High Park, Toronto
- Heritage consultation, Manitoba Children's Museum, Winnipeg

Transportation

- Heritage consultant and architect for security upgrades, Union Station, Toronto (for the City of Toronto)
- Building condition survey and repairs to small tower, Windsor Station, Montreal (with UMA Engineering)
- Restoration of exterior and interior, former North Toronto Station (LCBO facility)
- Heritage character statements and reviews of several railway stations in Macadam N.B., and Stratford, North Bay and

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Woodstock, ON. (PWGSC-HCD)

- Building Audit and feasibility study for Flight Information Centres and control tower buildings at Halifax International Airport, Quebec City International Airport, London (ON) Airport, North Bay Airport, Winnipeg International Airport, Edmonton International Airport, Calgary International Airport, and Abbotsford Airport, B.C. (with Morrison Hershfield Ltd., Engineers)

Lighthouses:

- On-going consultation on the Burlington Canal Lighthouse, Hamilton, ON including a Business Plan for the lighthouse complex
- Consultant for lighthouse repairs and restoration at Bonavista Lighthouse, Newfoundland
- Condition review and use plan for lighthouse and keeper's cottage at Presqu'île Ont.,
- Heritage character statements for 5 Imperial Lighthouses, Lake Huron and Georgian Bay.

Colleges and Universities:

- Various repairs including windows, ground features, porches, etc, at the Gatehouse, Beatty Building and Parkin Building, Upper Canada College, Toronto
- Restoration of the front portico, Pickering College, Newmarket, ON.
- Restoration work at Annesley Hall, Victoria College, University of Toronto
- Restoration of portions of the Reynolds Building, University of Guelph
- Analysis for repairs and implementation of restoration of exteriors of the Ontario

Veterinary College, Creelman Hall, Mills Hall, MacDonald Hall and Johnston Hall at the University of Guelph

Hotels:

- Heritage and building envelope review, Empress Hotel, Victoria, B.C.
- Review of restoration work at Chateau Frontenac, Quebec City for Colliers International,
- Building Audit, Fairmont Hotel, Winnipeg
- Building Audit, Holiday Inn (now York the Hotel), Winnipeg
- Building Audit, Clarion Hotel, Canmore, Alta.

Churches:

- Exterior restoration, St. Matthews Anglican Church, Ottawa
- Design of new octagonal chapel and additions and restoration work to St. Peter's Anglican Church (1853), Cobourg
- Steeple Restoration, and general restoration and upgrading, Keene United Church, Keene, Ontario
- Building Condition Survey and Assessment of interior decorative paint scheme, St. Brigid's Roman Catholic Church, Ottawa
- Restoration of ornate decorative paint scheme, George Street United Church, Peterborough, Ontario
- Building Condition Survey, All Saint's Anglican Church, Ottawa
- Restoration of St. Paul's Presbyterian Church, Port Hope, Ontario
- Repairs and restoration to Annunciation Roman Catholic Church, Mount Royal, Quebec

- Masonry Restoration, Soeurs de la Charite Chapel, Sussex Dr., Ottawa, ON
- Heritage Assessment and Condition Report for Our Lady of the Rosary Church, for the City of Windsor

Heritage Planning

- Central Whitby Heritage Conservation District Study, Whitby, ON.
- Cultural Resource Survey, City of Mississauga with The Landplan Collaborative
- Testimony and intervention in the successful and ground breaking Conservation Review Board Hearing related to two churches in Essex County, ON
- Lead consultant and witness for the Leaside Property Owners Association against the proposed demolition of the Kelvingrove Apartments – OMB decision in Toronto has been hailed as a groundbreaking heritage outcome.
- Lead witness and consultant at OMB for 27 Chestnut Park, Rosedale, Toronto
- Waterloo MacGregor/Albert Heritage Conservation District (lead consultant)

Expert Witness

Mr. Borgal has provided expert witness services to several significant hearings. He, together with GBCA, only take on this work where it is compatible with the ethics and philosophy of the firm. Some of these cases include:

- Expert witness to OMB hearing related to 37 Chestnut Park, Toronto. Settlement negotiated.
- Expert witness to OMB hearing related to view planes to Ontario Legislature, Toronto

Christopher Borgal

B.Arch., OAA, FRAIC CAHP

- Expert witness to OMB hearing related to the Kelvingrove Apartments, Toronto. This project was won and is cited as a precedent-setting case.
- Conservation Review Board Hearing, three churches in Essex County, Ontario.

Past Practice:

- In addition to the above, while acting as principal of Christopher Borgal Architects, Mr. Borgal was the responsible project architect for over 600 projects including over 30 museums and churches such as the renewal of copper domes and exterior masonry, St. Joseph's Roman Catholic Church, Chatham, ON and exterior masonry, St. Paul's Anglican Cathedral, London, ON. Many of these projects included heritage restoration as well as the redevelopment of museum sites including the Huron County Museum, the Lambton County Museum, the Oil Museum of Canada, the Simcoe County museum and many other sites of similar nature.

Advocacy

Over the years, Mr. Borgal has contributed his time to the protection of many heritage structures. Most recently, these included:

- Churches in St. Joachim and Stoney Point, Ontario (saved)
- The Devereaux House In Georgetown, Ontario (saved)
- The Lister Block in Hamilton (saved).

He has volunteered his time on many reports on behalf of the Ontario Historical Society and the

Architectural Conservancy of Ontario during the course of his career and personally raised considerable funds in support of the ACO and the Canadian Association of Heritage Professionals. He has also participated as both a member of, and board member, of several heritage organizations, notably the ACO, the Canadian Association of Heritage Professionals (former national president,) and the Ontario Association of Heritage Professionals (current president) and put forward initiatives, which continue to bear results such as:

- the now well-established joint conference of the Architectural Conservancy and Community Heritage Ontario. Mr. Borgal, then the president of the ACO, established this conference in collaboration with Bob Saunders of the CHO.
- He was a significant fundraiser on behalf of the Canadian Association of Heritage Professionals for support for the Heritage Canada annual conferences in Quebec in 2008, Toronto in 2009, St. John's 2010, Victoria in 2011, and Montreal in 2012.
- He also raised support funds for the activities of the Architectural Conservancy of Ontario over a period of several years.
- He has lectured extensively across North America.
- Because of his work advancing architecture in North America and advocacy for conservation, was nominated as a Fellow of the Royal Architectural Institute of Canada in 2013.

Education

- B.Arch., University of Toronto, 1974
- Post-professional seminars and courses at West Dean College,

UK; University of York, UK; and M.I.T. in Boston

- Seminars presented by the Danish Institute and National Research Council of Canada

Honours and Awards

Mr. Borgal's name is included on over 40 awards (either singly or in conjunction with allied partners and professionals) given locally, provincially, nationally and internationally over his career.

Some of these include:

As Goldsmith Borgal & Co.

- 2013 – Urban Design Award, City of Brampton, for the Peel Archives Museum and Art Gallery (PAMA), Brampton, Ontario.
- 2012 – Project Conservation Architect as part of the team, KPMB Architects, for the Governor General's Award, The Royal Conservatory of Music, Toronto
- 2012 – Heritage Toronto Award for the James Cooper Mansion, Toronto
- 2011 – Three awards for various projects from the Canadian Association of Heritage Professionals
- 2011 – Three awards for three projects from the Toronto Historical Society
- 2011 – The Peter Stokes Award for Restoration, the Architectural Conservancy of Ontario
- 2010 – Ontario Association of Architects Award of Excellence for Phase II, National Ballet School of Canada
- 2009 – National Ballet School Maitland Avenue Residences, Award of Merit from the

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B.Arch., OAA, FRAIC CAHP

Canadian Association of Heritage Professionals

- 2008 – Governor General's Award, National Ballet School of Canada (in joint venture with KPMB architects)
- Royal Architectural Institute of Canada Urban Design Award – 2008 for National Ballet School of Canada (in joint venture with KPMB architects)
- American Institute of Architects Award of Excellence, 2008 – for the National Ballet School of Canada – only the 5th award given by the AIA to a Canadian project since the founding of the awards in the 1940's.
- Urban Land Institute Global Awards – 2008 – one of only 5 awards given internationally (2 in North America in 2008) for the National Ballet School of Canada (in joint venture with KPMB architects)
- Ottawa Heritage Awards – 2008 as the conservation architect for the restoration of St. Matthews Anglican Church, the Glebe, Ottawa.
- 2007 – Ontario Professional Planners Institute, Award of Excellence for the Parliamentary and Judicial Precincts Area: Site Capacity and Long-Term Development Plan, Ottawa (GBCA was the heritage consultant on this project which was led by the firm of DuToit Allsop Hillier)
- 2007 – Toronto Urban Design Awards, Award of Excellence, National Ballet School of Canada (in joint venture with KPMB architects)
- 2007 – Nomination, Toronto Heritage Awards, Palais Royale renovation, Toronto
- 2006 – Toronto Heritage Awards, National Ballet School (Principal-in-charge P.

Goldsmith) redevelopment (project has won several Toronto awards and international recognition with a recent receipt of an American Institute of Architects medal, one of only 3 such medals presented to Canadian architects since 1949) (in joint venture with KPMB architects)

- 2005 – Toronto Heritage Awards, The Jolly Miller Tavern, Award of Merit
- 2004 – Toronto Heritage Awards, The North Toronto Station LCBO store (project has won over 15 local and national awards since its construction)

As Christopher Borgal Architect:

- 1992 Innovative Design Award, First Prize, London and District Construction Association – The Blyth Festival Renovations and Expansions, 1978-1990
- 1991 Innovative Design Award of Merit, London and District Construction Association – The Huron County Museum
- 1986 Ontario Renews Award, Finalist for restoration of The Blake House, Goderich
- 1986 Ontario Renews Award, Ontario Ministry of Housing – Restoration of 2 The Square, Goderich

Affiliations

- Canadian Standards Association (CSA) – Member of technical committee for a new national standard for Blast Resistance in Buildings – 2008-2010
- National Research Council of Canada – Member of technical standing committee on mortars for heritage buildings – 1997 to 2011

Memberships

- Royal Architectural Institute of Canada, since 1977
 - Fellow of the Institute, 2013.
- Ontario Association of Architects, since 1977
 - Chair of the Professional Development Committee from 1983-1985
- Architectural Conservancy of Ontario since 1977.
 - President of Huron County Branch, c1990
 - Provincial President of the ACO from 2001 to 2003
- Canadian Institute of Planners (provisional), 1978-1989
- Construction Specifications Canada, since 1978
- Heritage Canada, since 1981
- Canadian Association of Heritage Professionals (formerly the Canadian Association of Professional Heritage Consultants) since 1992
 - Past President and Development Officer
 - National President 2007 - 2008
 - Board member and chair of the membership committee 2006-2007
 - Board member 1990-91
 - President of Ontario Chapter (OAHP) 2011-2013
- Redevelopment Board Member, Royal Canadian Regiment Museum, London, ON, 2006-2007
- Member Architectural Conservation program, advisory committee, Ryerson University, 2007

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Business Affiliations

1977 – 1983 – Partner - Hill and Borgal Architects and Planners, Goderich ON

1983 - 2001 – Christopher Borgal Architect Inc.

1983 – 1985 – Co-founder and partner - Canadian Cultural Resource Consultants Inc.

1993-1997 – Senior Conservation Architect, Public Works and Government Services Canada, Heritage Conservation Directorate (term contract), Ottawa ON

1997 – 1999 – Senior Project Manager, **uma** Engineering Ltd., Ottawa ON

1999 – 2000 – Senior Building Science and Conservation Specialist, Morrison Hershfield Ltd., Ottawa ON

2001 – 2008 – Partner, Goldsmith Borgal & Co. Ltd. Architects, Toronto ON

2008 to present – Sole proprietor, GBCA (Goldsmith Borgal & Co. Ltd. Architects), Toronto ON

Lectures, Papers and Media

Mr. Borgal has lectured at sites across North America. Some recent and notable locations include:

- Training session, annual Royal Architectural Institute of Canada conference, St. John's, 2012
- Lecture at the annual Royal Architectural Institute of Canada conference, Saskatoon, 2010
- Co-host and technical advisor on History Television series entitled "Saving Places" aired nationally in three one hour episodes in June of 2010

- Appearance on Rogers Cable TV "Structures" related to the development of Strachan Avenue, in Toronto.
- Lectures at Queen's University, Waterloo University, Carleton University, University of Toronto and several community colleges
- Series of lectures on Building Envelopes in Heritage Buildings co-wrote and presented jointly with Morrison Hershfield staff and delivered in Tampa, Fla., Halifax, Ottawa, Calgary, Edmonton, and Vancouver, 2001
- Lectures to annual meetings of various organizations including Association for Preservation Technology, ICOMOS, Canadian Museums Association, and Ontario Museum Association in locations including Nashville, Washington, Ottawa, Toronto, Halifax and Quebec City.
- Papers in various journals including the Ontario Museum Association Quarterly, APTI Bulletin, and the Ontario Association of Architects Perspectives