

MASONRY

CELEBRATING THE STRENGTH 2007



PEOPLE ❁ PASSION ❁ PRODUCT

A L B E R T A M A S O N R Y D E S I G N A W A R D S

Proud to play a role in supporting the 2007 Alberta Masonry Design Awards



On the Cover ❖ Calgary Roundup Centre

2003 Masonry Design Awards Presidential Award Winner

Calgary Exhibition and Stampede is an organization deeply rooted in its 100 year past, rich in western heritage and values. They are committed to sharing these values and heritage with the Calgary community and the world.

The Image for the expansion is based on the 1999 Roundup Centre Expansion, also designed by Gibbs Gage Architects. This image was developed with Calgary Exhibition and Stampede in early master planning for the Roundup Centre and the park and derived its inspiration from several sources including turn of the century exhibition and train station architecture, and local turn of the century buildings in the Victoria Park and beltline areas. Brick and stone are the primary materials, conveying a sense of permanence and quality.

Photo Supplied by: Bow Valley Photography, Calgary

Table of Contents ❖

Chairman's Message.....	2
Feature: Celebrating the Strength of Masonry	16
Feature: Skills Canada Alberta.....	40

Design Awards 2007

Presidential Award	3
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Architectural Masonry Design Awards

Educational/Institutional	4
Commercial Building	12
Single Family Residential	20
Multi Family Residential.....	24

Special Masonry Design Awards

Restoration	28
Artistic Use of Masonry	36
Structural Masonry Design.....	42

❖ Acknowledgements ❖

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Chairman's Message

Welcome and thank you for your support of the 2007 Masonry Contractors Association of Alberta Masonry Design Awards. As chairman it has been my pleasure to work with a committee who has dedicated a great deal of time and effort to ensure the success of the 2007 awards. I would like to extend my thanks and gratitude to all those involved. Our intent throughout was to create a memorable event that would be a 'don't miss' for companies in the Alberta construction industry. I hope you enjoy the event and feel we have realized this goal.

Celebrating the Strength of Masonry was chosen as the theme for the 2007 awards. A record number of entries were received all of which deserve congratulations for their innovation, originality and style. These projects provide living examples of the beauty and timelessness of masonry design and are a testament to its ongoing use as an architectural material. Our thanks and congratulations go out to the ownership and design communities who appreciate the strength of masonry and saw fit to include it in their projects. The exceptional group of submissions is proof their faith in masonry is well founded.

Thanks as well to the Judging Committee who were tasked with the difficult job of selecting the winners. In our view all the projects are winners because they utilized masonry.

The MCAA appreciates your continued support of the masonry industry and the skilled tradesmen that bring your projects to life. Keep designing and specifying masonry. I look forward to seeing more beautiful projects submitted for the 2011 awards.



Fraser Powell
Chairman
2007 Alberta Masonry Design Awards



PRESIDENTIAL AWARD



Project Name: NAIT HP Centre for Information & Communications Technology
Location: Edmonton
Owner: Northern Alberta Institute of Technology (NAIT)
Architect: Cohos Evamy
Engineer: WCW Joint Venture
General Contractor: PCL - Maxam, A Joint Venture
Masonry Contractor: Scorpio Masonry (Northern) Inc.
Masonry Suppliers: Steel Industrial Products Ltd., Soprema Inc., Fero Corporation

The new HP Centre for Information and Communications Technology is the largest building to date in NAIT's expansion of its main campus.

The Centre is organized around a three-storey interconnected and naturally lit internal street with public elements on one side facing the City and quieter learning spaces and courtyards on the other facing what will eventually become a green space at the heart of the campus.

Learning spaces are organized into three identical wings, turned inside out, with circulation spaces on the exterior and computer labs, which typically require that natural light be excluded, on the interior. Externalizing the circulation animates the courtyards and provides unimpeded flexibility for future reconfiguration of the labs.

Masonry cladding is used inside and out to help ground the building and recall the original 1950s campus. Curtain wall and metal panel re-interpret its classic modernist aesthetic in keeping with the Centre's high tech program.





Project Name: Centennial High School
Location: Calgary
Owner: Calgary Board of Education
Architect: Cohos Evamy
Engineer: Cohos Evamy
General Contractor: Stuart Olson Construction Ltd.
Masonry Contractor: Gracom Masonry
Masonry Suppliers: I-XL Masonry Supplies Ltd.

The Calgary Board of Education Centennial High School is located in the South Calgary Community of Sundance. 1800 students are accommodated in 15,000m² on two levels. Three Classroom wings are oriented to the South defined by landscaped courtyards. CTS Academies are located along the North edge of the Street providing address to all significant functions. Light pours in to the internal street from the South facing Courtyards and indirect North light informs the Information Commons, Computer Labs and Art rooms. The notion of a “red brick schoolhouse” is employed as a device to humanize a large urban High School. Exterior materials (brick, coloured concrete block and corrugated metal) wrap to the interior to provide a strong connection from inside to out. The curtain wall clad circulation spine acts as an internal Street and brings focus to the centrally located student gathering area and second floor Information Commons. Generally speaking, highly durable materials (clay brick and concrete block) are located where they are closest to student traffic. Clear coated birch panels help soften the pallet and signify portals and entryways.

AWARD OF EXCELLENCE



Project Name: Glenmore Water Treatment Plant (GWTP) Security Fence and Guard House
Location: Calgary
Owner: City of Calgary Water Services
Architect: Goodfellow Architecture Ltd.
Engineer: HRS Engineering Ltd.
General Contractor: Reed Atwood Builders Inc.
Masonry Contractor: Zanin Masonry
Masonry Suppliers: I-XL Masonry Supplies Ltd.

Due to the critical importance of the Glenmore Water Treatment Plant and the heightened security concerns arising from recent world events, it was realized that this facility need be secured with additional fencing and tighter access control. It was also

essential that these new security measures fit in with the architecture of the nearby heritage buildings. There is a well developed vocabulary of formal detailing based on Tyndall stone and brick pilasters, horizontal stone and brick banding and capstones employed consistently throughout the plant.

The security fence also had to be designed to prevent climbing over or tunneling under, to prevent cutting through, and to withstand vehicular assault. The guard house also had to respond to the very specific security needs which required efficient entry and exit control while providing a secure and unobstructed view of approaching vehicles.

AWARD OF MERIT

Project Name: The Esplanade: Medicine Hat Performing Arts and Heritage Centre
Location: Medicine Hat
Owner: City of Medicine Hat
Architect: Diamond and Schmitt Architects Incorporated
Engineer: Halcrow Yolles
General Contractor: Ellis Don Construction Services
Masonry Contractor: Scorpio Masonry Ltd.
Masonry Suppliers: I-XL Industries Ltd.

high quality to international standards of excellence; create a building that enhances public life in Medicine Hat and brings added layers of meaning to the experience of its own heritage and the arts.

Brick provides a monumental and uniting solidity to the entire scheme. Externally, the brick provides the weight needed to signify the Esplanades presence in the neighborhood and also distinguished itself, by using a slate grey brick, complimentary to the local landscape. The result was a building that materially is respectful of its neighbors, while separating itself as a unique facility.



AWARD OF MERIT



Project Name: Archbishop Oscar Romero High School
Location: Edmonton
Owner: Edmonton Catholic Schools
Architect: O'Neill O'Neill Procinsky Architects
Engineer: BPTec - DNW Engineering Ltd.
General Contractor: Stuart Olson Construction Ltd.
Masonry Contractor: K. Hansen Masonry
Masonry Suppliers: I-XL Masonry Supplies Ltd., CCI Edcon

The school exterior is a composition of several cladding materials including metal panel systems and Manitoba split face, red & light buff colour brick. These materials come together to emphasize the circular geometry of the building; at the same

Project Name: Alberta Children's Hospital
Location: Calgary
Owner: Calgary Health Region
Architect: Kasian Architecture Interior Design and Planning Ltd.
General Contractor: Ellis Don Construction Services
Masonry Contractor: Pockar Masonry Ltd.
Masonry Suppliers: I-XL Masonry Supplies Ltd.

The new Alberta Children's Hospital has become an instant design benchmark thanks to its unique design approach, lead by Prime Consultant, Kasian Architecture Interior Design and Planning Ltd. Kasian worked collaboratively with the Masonry Contractor/ Construction Manager- Pockar Masonry Ltd. By involving Pockar in the initial design stages, Kasian was able to

time helping lead the eye around and down to the main entrance of the school. Split face was used to emphasize the sense of weight and solidity in the tall, straight walls, while brick was use to enhance the light elegant curves of the building. One of the Team's key challenges was to design a building with curved masonry walls, while still managing to keep the project on budget. We accomplished this through an innovative structural and architectural design that faceted the structure – resulting in straight framing lines while yet maintaining the desired circular nature of the building.

address all masonry issues and concerns prior to the commencement of construction. Pockar constructed full size mock panels which allowed for the proper selection of brick colour combinations. They also tested multiple vapour barriers and incorporated precast concrete sills to allow for efficient water management techniques and maximum performance. Two colours of brick were blended and specially rumbled to achieve a softer look which coordinated with the bright colours of the glazing. The result is a beautiful blending of brick with the bright primary colours of the building's metal windows and curtain wall system. This contributes to the friendly and inviting atmosphere for the children and families using the facility.



Project Name: Broadcast Hill Reservoir Valve Chamber-Calgary
Location: Calgary
Owner: City of Calgary Water Services
Architect: Goodfellow Architecture Ltd.
Engineer: Associated Engineering Alberta Ltd.
General Contractor: PCL Construction Management Inc.
Masonry Contractor: Gracom Masonry
Masonry Suppliers: I-XL Masonry Supplies Ltd.

When water service buildings are planned, the City of Calgary requires that the architect work with the Developer to assure that any built structures fit within these community design guidelines. The Developer guidelines for the new Broadcast Hill community specified a Gothic – Tudor theme. Masonry was selected for the architectural

finishes and details due to its intrinsic human scale and adaptability to both residential and institutional contexts. Besides the aesthetic considerations for these facilities, the water services they contain are critical to life safety and well being of the residents. Moreover, these buildings must be built to last for 50 to 100 years and are often targets for vandalism and abuse as they are often located in public parks or unsupervised open spaces.



Project Name: Coventry Elementary School
Location: Calgary
Owner: Calgary Board of Education
Architect: Cohos Evamy
Engineer: Cohos Evamy/MechWave/Stebnicki Robertson & Associates
General Contractor: Lear Construction Management Ltd.
Masonry Contractor: Pockar Masonry Ltd.
Masonry Suppliers: I-XL Masonry Supplies Ltd.

The Calgary Board of Education Coventry Elementary School is located in the relatively new community of Coventry Hills in North Calgary. 350 students are accommodated in 4200m². Fourteen paired sets of Classrooms form a

perimeter to the larger volume interior spaces (Library, Gathering Space, Gymnasium and Auxiliary Gymnasium). Classrooms access natural light at the perimeter, clerestory glazing provides light into the core.





Project Name: Dene Tha' Community School
Location: Chateh
Owner: Dene Tha' First Nation
Architect: The Workun Garrick Partnership Architecture and Interior Design Inc.
Engineer: Protostatix Engineering Consultants Inc.
General Contractor: Jen-Col Construction Ltd.
Masonry Contractor: Park Brick & Block
Masonry Suppliers: CCI Edcon

The Chateh Community School is located approximately 100 km south of the Alberta - NWT border. The school accommodates Kindergarten to Grade Twelve students, with a capacity of 406 students.

The school's concept responds to culturally significant aspects of the Dene Tha' First Nation. Three Classroom wings emanate from a central Gathering Space and Cultural Centre. These spaces are punctuated at the ceiling with radial wood beams, concentric skylights and wood decking, and a perimeter wall composed of a parabolic and curved load bearing masonry wall.

In elevation, the building is highlighted by the "drum" above the cultural centre and cut away roof lines which lift up to resemble a bird in flight. The school's roof symbolizes the wings of an abstracted crow.

Project Name: Discovery Ridge Flow Control Station
Location: Calgary
Owner: City of Calgary Water Services
Architect: Goodfellow Architecture Ltd.
Engineer: AMEC Earth Environmental
General Contractor: Graham Construction and Engineering Inc.
Masonry Contractor: IB Jensen Masonry Ltd.
Masonry Suppliers: I-XL Masonry Supplies Ltd.

When water service buildings are planned, the City of Calgary requires that the architect work with the developer to assure that any built structures fit within these community design guidelines. The Discovery Ridge

community guidelines call for a French Provincial / Edwardian theme. Masonry was the natural choice for architectural finishing and detailing due to its intrinsic human scale and adaptability to both residential and institutional contexts. Besides the aesthetic considerations for these facilities, the water services they contain are critical to life safety and well being of the residents. Moreover, these buildings must be built to last for 50 to 100 years and are often targets for vandalism and abuse as they are often in public parks or unsupervised open spaces.



Project Name: First Alliance Church
Location: Calgary
Owner: First Alliance Church
Architect: BKDI Architects
General Contractor: Clark Builders Ltd.
Masonry Contractor: Pockar Masonry Ltd.
Masonry Suppliers: CCI Industries Ltd., Steels Industrial Products

This 2400 seat, 120,700 sq.ft. facility provides a wide range of services for its congregation including cappuccino bar, nursery, kindergarten, gym, banquet rooms and more. The combination of coloured split face and terrazzo block, econ sized smooth texture brick and extensive glazing provide a stunning exterior to a magnificent building.

Project Name: First Baptist Church Expansion
Location: Lethbridge
Owner: First Baptist Church
Architect: Alvin Reinhard Fritz Architect Inc.
Engineer: BCB Engineering Ltd.
General Contractor: Venture Holdings Ltd.
Masonry Contractor: Gunthor Masonry
Masonry Suppliers: I-XL Masonry Supplies Ltd.

First Baptist Church had a vision to provide adequate functional space to their existing facility in order to accommodate the growing needs of its congregation. The 54 year old building, being one of many historical structures in Lethbridge, still captures the viewer's eye with its distinctive tower design.

The primary design goal of the expansion at First Baptist Church was to meet the architectural and functional programmatic requirements of the church while still honoring the historical design of the existing facility. The expansion was relatively small in comparison to the existing structure and as such it was felt that the best philosophical approach would be to match the expansion so closely, to the existing form and character and finishes, that the expansion would be transparent when experiencing the architecture.

In order to keep with this philosophical approach, matching the existing brick was the natural choice. Primary consideration was given to colour, texture and coursing, needed to match the existing brick in order to emulate features already present.



Project Name: École Ste. Jeanne d'Arc
Location: Edmonton
Owner: North Central Francophone Education Region No. 4
Architect: The Workun Garrick Partnership Architecture and Interior Design Inc.
Engineer: Protostatix Engineering Consultants Inc.
General Contractor: Marshall Lee Construction Corp.
Masonry Contractor: Park Brick & Block
Masonry Suppliers: CCI Edcon

The École Ste. Jeanne d'Arc School is a Grade K-6 school received the "Best Modernization of an Existing School Facility" in 2002 by the Council of Educational Facility Planners International (CEFPI).

The project involved a full modernization of the existing 1,980m² school to create new corridors, new Administration, classroom and new Library space, as well as a 2,280m² addition to accommodate ten new classrooms, a new main entry rotunda, a new gymnasium, and a new student gathering area.

The facility is accentuated by new masonry facades, skylights, exposed steel trusses, planters, benches and three dimensional wall graphics to create a lively environment for student learning, leisure and interaction.



Project Name: King's University Academic Building
Location: Edmonton
Owner: The King's University College
Architect: O.C.A. Architects Inc.
General Contractor: Cormode and Dickson
Masonry Contractor: Inline Masonry Ltd.
Masonry Suppliers: I-XL Masonry Supplies Ltd.

This addition to an existing university academic building is the implementation of the first phase of a Master Plan for the long term expansion of the campus.

The academic building added classrooms, seminar rooms, meeting rooms, faculty offices, lecture theatre, drama department and common areas. The building was located

toward the street edge to create internal courtyard spaces accessed from the common areas in the addition.

The use of masonry, both inside and outside, was a natural choice in this academic building. The exterior brick reflects a new aesthetic for the campus buildings, using materials that convey a sense of permanence, as well as a more collegiate environment.

Project Name: Evergreen Ridge Pump Station
Location: Calgary
Owner: City of Calgary Water Services
Architect: Goodfellow Architecture Ltd.
Engineer: HRS Engineering Ltd.
General Contractor: Graham Construction and Engineering Inc.
Masonry Contractor: Zanin Masonry
Masonry Suppliers: I-XL Masonry Supplies Ltd.

When water service buildings are planned, the City of Calgary requires that the architect work with the developer to assure that any built structures fit within these community design guidelines. The community guidelines developed for

Evergreen Ridge is for an "Anne of Green Gables" "Japanese boat house" theme. Masonry was the natural choice for the architectural finishing and detailing due to its intrinsic human scale and adaptability to both residential and institutional contexts. Besides the aesthetic considerations for these facilities, the water services they contain are critical to life safety and well being of the residents. Moreover, these buildings must be built to last for 50 to 100 years and are often targets for vandalism and abuse as they are often in public parks or unsupervised open spaces.



Project Name: King's University Student Residence
Location: Edmonton
Owner: The King's University College
Architect: O.C.A. Architects Inc.
General Contractor: Cormode and Dickson
Masonry Contractor: Gracom Masonry
Masonry Suppliers: I-XL Masonry Supplies Ltd.

This is the first of a series of five storey buildings of 100 students each in a "village" setting for The King's University College. Each floor consists of four living units in a spoke design around a central core of elevators, stairs and laundry facilities. Each living unit is a congregate unit of six students, each with their own private study/bedroom and with common kitchen, two bathrooms, dining area and living room.

Student housing needs to be economical to build and economical to maintain. These two criteria are often at odds with each other. It was also important to use materials that reflect a sense of permanence, as well as a more collegiate environment. Masonry was the exterior material of choice to meet these criteria.





Project Name: Lister Centre (Student Residence and Multi-Use Facility)
Location: Edmonton
Owner: University of Alberta
Architect: O'Neill O'Neill Procinsky Architects
Engineer: Read Jones Christoffersen Ltd. (Structural Consultant)
General Contractor: Clark Builders
Masonry Contractor: Gracom Masonry
Masonry Suppliers: CCI Edcon

This project for the University of Alberta included the renovation and expansion of the existing student housing facility and the construction of a new conference centre. It came in under its \$20M Construction Budget, and was completed on schedule.

The facility incorporates teaching areas, public spaces, administration offices, and recreation facilities for the students. The project is 12 storeys in height and 18,570m². In size and includes: 416 residency rooms, a 2 station gymnasium, conference rooms, music rooms and guest suites.

The compressed construction schedule and need for flexible, adaptable spaces required innovative solutions and a focus on constructability. One of the project's key design features is the extensive use of masonry cladding – contrasting its strength and solidity with expanses of ephemeral glazing.

Project Name: Markin/CNRL Natural Resources Engineering Facility
Location: Edmonton
Owner: University of Alberta
Architect: Cohos Evamy
Engineer: Cohos Evamy
General Contractor: PCL-Maxam, A Joint Venture
Masonry Contractor: Scorpio Masonry (Northern) Inc.
Masonry Suppliers: CCI Edcon, Soprema Inc., Fero Corporation

The Markin|CNRL Natural Resources Engineering Facility is a 29,000 square metre interdisciplinary research and teaching facility at the University of Alberta. It provides the

Faculty of Engineering with flexible and adaptable research space designed to foster interaction and support collaborative research. It plays a fundamental role in supporting and enabling new research initiatives. To achieve this vision, the program was reconceived to incorporate an atrium and formal and informal meeting areas to facilitate opportunities for interaction.

Both the interior and exterior material palette for NREF showcases man-made materials including masonry, concrete and plywood. These materials were selected to reflect the teaching and research programs housed within the facility, to create a sense of permanence and to provide the University with an enduring and timeless building.



Project Name: Oasis - Philosophy of Life School
Location: Edmonton
Owner: Oasis Ltd.
Architect: Maltby & Prins Architects
Engineer: TICA Consulting Ltd.
General Contractor: Edgewood Construction
Masonry Contractor: K. Hansen Masonry Ltd.
Masonry Suppliers: I-XL Masonry Supplies Ltd.

The school is centre for meditation. The architecture is expressing a simple and calm exposure.

The natural choice was brick. The brick fascia is expressed in a light smooth textured brick with a narrow layer of a darker brick with a rougher texture.

The Brick is interrupted with simple recessed window openings.

The auditorium has beams of light coming through narrow vertical bands of clear view glass blocks.

The centre will also be used as a conference centre. At present the building is occupied. The landscaping will be finished next spring.

Project Name: Our Lady of Lourdes School
Location: Calgary
Owner: Calgary Roman Catholic Separate School Board
Architect: Ron Boruk Architect Ltd.
Engineer: Hemisphere Engineering Inc.
General Contractor: Lear Construction Management Ltd.
Masonry Contractor: Thibeault Masonry Ltd.
Masonry Suppliers: I-XL Masonry Supplies Ltd., Steels Industrial Products, CCI Edcon

This project was the first Calgary Catholic School completely designed using load bearing block throughout. The unique design of the exterior is comprised of the reclaimed of 1909 sandstone from the original St. Mary's School, in

combination with new brick and Ariscraft Stone accent bands to match sandstone. The truly unique design is a masterpiece fitting beautifully of the old architecture in the area.



Project Name: NAIT HP Centre for Information & Communications Technology
Location: Edmonton
Owner: Northern Alberta Institute of Technology (NAIT)
Architect: Cohos Evamy
Engineer: WCW Joint Venture
General Contractor: PCL - Maxam, A Joint Venture
Masonry Contractor: Scorpio Masonry (Northern) Inc.
Masonry Suppliers: Steel Industrial Products Ltd., Soprema Inc., Fero Corporation

The new HP Centre for Information and Communications Technology is the largest building to date in NAIT's expansion of its main campus. The Centre is organized around a three-storey interconnected and

naturally lit internal street with public elements on one side facing the City and quieter learning spaces and courtyards on the other facing what will eventually become a green space at the heart of the campus.

Learning spaces are organized into three identical wings, turned inside out, with circulation spaces on the exterior and computer labs, which typically require that natural light be excluded, on the interior. Externalizing the circulation animates the courtyards and provides unimpeded flexibility for future reconfiguration of the labs.

Masonry cladding is used inside and out to help ground the building and recall the original 1950s campus. Curtain wall and metal panel re-interpret its classic modernist aesthetic in keeping with the Centre's high tech program.



Project Name: Red Deer Regional Hospital -South Complex
Location: Red Deer
Owner: David Thompson Health Region
Architect: Group2 Architecture Engineering Ltd.
Engineer: Group2 Architecture Engineering Ltd.
General Contractor: Stuart Olson Construction Ltd.
Masonry Contractor: Gracom Masonry
Masonry Suppliers: CCI Edcon

South Complex is the final component of the Red Deer Regional Hospital Redevelopment Project.

The floor plates are bisected into two zones by full height ground face concrete block walls, with accent split face block

bands that match the banding on the exterior of the building. Introduced at the main entry as an exterior focal point, the walls carry through the interior, creating feature walls on all floors, until it projects out the opposite building face.

Construction was challenged by the close proximity of the General Hospital that was scheduled to be demolished after South Complex was constructed. This proximity did not allow for the construction of the exterior portion of the bisecting walls or the front entry canopy until the old hospital was demolished.

Project Name: National Institute for Nanotechnology
Location: Edmonton
Owner: University of Alberta
Architect: Cohos Evamy
Engineer: Cohos Evamy
General Contractor: PCL-Maxam, A Joint Venture
Masonry Contractor: Scorpio Masonry (Northern) Inc.
Masonry Suppliers: I-XL Masonry Supplies Ltd.

The National Institute for Nanotechnology (NINT) brings together the University of Alberta, the National Research Council of Canada and the Province of Alberta to create a unique, interdisciplinary research facility focused on nano-related research. With the establishment of NINT, researchers in diverse fields of study including engineering, biology, chemistry, physics, computing science,

medicine, and pharmacy will have the opportunity to work together and pursue research in a collaborative environment.

NINT is designed to be adaptable to the changing needs of leading edge nanotechnology research, to foster interaction within the University, to bridge the gap between scientific disciplines, and to attract both national and international collaborators.

NINT's design features include: a research facility; flexible, modular laboratory space accommodating interdisciplinary research initiatives; a Class 1000 cleanroom meeting VC-D vibration criteria; a Class 1000 nano-bio cleanroom; and a characterization suite housing ultrahigh resolution tools such as transmission electron microscopes, scanning probe microscopes, and atomic force microscopes.

NINT received an Award of Merit in the Consulting Engineers of Alberta 2006 Showcase Awards.



Project Name: St. Patrick's Fine Arts Elementary School
Location: Lethbridge
Owner: Holy Spirit Regional School Division
Architect: Ferrari Westwood Architects
Engineer: MPE Engineering
General Contractor: Dawson Wallace Construction
Masonry Contractor: Sas-Can Masonry Ltd.
Masonry Suppliers: I-XL Masonry Supplies Ltd.

The Fine Arts Elementary School, even though not funded as a core school, has been designed to be easily expandable to provide for an additional five classrooms. Bright colours and the use a wood structure provide exciting spaces for the children who will use this Fine Arts Facility. The dynamic roof form, supported by the glue-lam 'trees', creates an

open space for the Library and Gathering Area. A lowered library divides the Gathering Area but uses a bridge to connect the two spaces. The Drama Room will open to both the Gathering Area and the Gymnasium.





Project Name: Strathcona Library
Location: Edmonton
Owner: City of Edmonton Asset Management and Public Works
Architect: Burgess Bredo Architect Ltd.
Engineer: Walters Chambers & Associates Ltd.
General Contractor: Pentagon Structures Ltd.
Masonry Contractor: Scorpio Masonry (Northern) Inc.
Masonry Suppliers: Mutual Materials

As Edmonton's first library, Strathcona Library was built in 1913 for a cost of \$30,000. This Provincial Historic Resources is a two storey building with a full basement designed in the English Renaissance Revival style. The addition and

re-occupying the second floor have allowed the Library to almost double in size. To meet restoration standards, a new addition must be "compatible with the size, scale, colour, material, and character" of the building to which it is attached.

The most striking feature is the sensitive and retiring nature of the addition. The addition was limited in height and located entirely on the library's east side. Careful detailing was required to create a distinctive break from old to new. Viewed from the south, west and north the original building retains its original 1913 prominence while placing the addition in a subservient position.

Project Name: Zeidler Leducor Centre
Location: Edmonton
Owner: University of Alberta
Architect: HRA 2, A Joint Venture of O'Neill O'Neill Procinsky Architects and Hamilton Filipowicz Architects Ltd.
Engineer: BPTec-DNW Engineering Ltd.
General Contractor: Leducor Construction Ltd.
Masonry Contractor: Scorpio Masonry (Northern) Inc.
Masonry Suppliers: Mutual Materials through Steels Industrial Products

Walter C. MacKenzie Health Sciences Centre, the 3 storey building asserts itself in an environment of larger structures. Stack bond face brick was used to match the adjacent hospital. Tyndall stone bands were used in place of concrete to bring out the colour in the adjacent brick, and distinguish the building from its neighbour. Conceived as a masonry cube, a large block punctuates the Southeast corner and allows for the addition of curving curtain wall on the primary facades in homage to its future neighbour - the Health Research Innovation Facility.




The Zeidler Leducor Centre houses office and clinic space for the Leducor Clinical Training Centre and the Zeidler Gastrointestinal Health Centre. Located at the entry to the

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 of the 2007
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Project Name: Selkirk Hotel - Fort Edmonton Park
Location: Edmonton
Owner: Fort Edmonton Foundation
Architect: HIP Architects
Engineer: Read Jones Christofferson
General Contractor: Stuart Olson Construction Ltd.
Masonry Contractor: Scorpio Masonry (Northern) Inc.
Masonry Suppliers: I-XL Masonry Supplies Ltd.

The Selkirk Hotel is a faithful reconstruction and recreation of an early 20th Century Hotel that was located downtown Edmonton. By exploring extant drawings and investigating existing buildings by the original Selkirk Hotel architects the 21st century team was able to reconstruct the new Hotel to within inches of the original. The challenge was to utilize modern construction methods to replicate details built with materials no longer available using materials now available. The Hotel has been a great success, in part because of its rigid adherence to the original building design. When you are at the Selkirk, you are in the past.

AWARD OF EXCELLENCE



Project Name: Bridgeland Riverside Community Centre
Location: Calgary
Owner: City of Calgary
Architect: Sturgess Architecture
Engineer: Read Jones Christoffersen
General Contractor: Ledcor Construction
Masonry Contractor: Pockar Masonry Ltd.
Masonry Suppliers: I-XL Masonry Supplies Ltd.

As Bridgeland/Riverside evolves into a vital urban neighbourhood, a new Community Centre was designed which became a beacon and a focal point for the expanded neighbourhood. A vibrant and adaptable multi-purpose centre was sought to accommodate the immediate and future needs of the community. An L-shaped configuration

is proposed which forms embracing arms to the northwest corner of the new Murdoch Park. The building creates a strong counterpoint to the new Commemorative Wall designed by Carlyle & Associates, built of the brick from the torn down General Hospital, and echoed in the fireplace inside the Community Centre.

AWARD OF MERIT

Project Name: Whyte Avenue Redevelopment
Location: Edmonton
Owner: MNJ Investments
Architect: Cohos Evamy
Engineer: Cohos Evamy
General Contractor: Clark Builders
Masonry Contractor: Scorpio Masonry (Northern) Inc.
Masonry Suppliers: I-XL Masonry Supplies Ltd.

This project was designed after the unfortunate fire in March of 2003 that destroyed the landmark building on the corner of Calgary Trail and Whyte Avenue. The goal was to achieve a historical look to the building while trying to achieve the eclectic theme that is synonymous with Whyte Avenue.

Some of the challenges faced were coming up with a design that satisfied all stakeholders including the parking requirements. The masonry component on the building is a combination of colours, patterns, and layouts to match the period in which the original building was constructed. The west entrance to the building features salvaged brick units from the existing building to help maintain the historical theme. The combination was successful in terms of colour because of the hardiplank siding breaking up the areas from the east portion of the building to the west.



AWARD OF MERIT



Project Name: Dutch Canadian Club / Scandinavian Centre
Location: Edmonton
Owner: Dutch Canadian Club
Architect: Edgewood Construction
Engineer: Eadie Engineering Inc.
General Contractor: K. Hansen Masonry Ltd.
Masonry Contractor: K. Hansen Masonry Ltd.
Masonry Suppliers: I-XL Masonry Supplies Ltd.

The original club house building was built in 1971 to provide a meeting place for the Dutch Canadian Community. The building consisted of a main hall, kitchen, bar and club room. In 1975 a small additional club room was added. The building was built with concrete blocks, split face rain screen and a fake cedar rough sawn bevel sided mansard roof.

Two years ago the Dutch Club and the Scandinavian Club decided to

combine. This decision forced a major renovation and additions to the existing building. In order to feel at home some of the "Dutch" and "Scandinavian" architecture was researched and some details were implemented.

We looked at a small building by Alvar Aalto to borrow some of his superb detailing. As the Scandinavian and the Dutch have used a lot of brick in the past and present, it seemed appropriate to use brick facing for the additions. Both communities are from sea faring nations and a ships bow was created at one end of the building. The remainder of the building received interested shapes created by the craftsmen of Hansen Masonry. Both communities are enjoying the building and feel at home.

The building renovation and addition was financed by the Dutch, the Scandinavians and a substantial grant from Community Enhancement Fund by the Provincial Government.

Project Name: Elbow River Casino
Location: Calgary
Owner: Elbow River Holdings Inc.
Architect: BCMP Architects
Engineer: Wiebe Forest Engineering
General Contractor: Ledcor Construction
Masonry Contractor: Thibeault Masonry Ltd.
Masonry Suppliers: I-XL Masonry Supplies Ltd.

Designed to enhance the streetscape of downtown Calgary. This casino features the use of Artistic Corbelling, Gothic Arches, Row Lock, Row lock cants. Extremely difficult to build.



Project Name: Midtown Market Co-op
Location: Calgary
Owner: Calgary Co-operative Association Ltd
Architect: Boucock Craig Wong Architects
Engineer: TRL & Associates Ltd.
General Contractor: CANA Management Ltd.
Masonry Contractor: Pockar Masonry Ltd.
Masonry Suppliers: I-XL Masonry Supplies Ltd., Renaissance Concrete

Midtown market is a downtown Calgary grocery store located in a mixed neighborhood of residential and commercial buildings. Exposed on all four sides to pedestrians and vehicles, the design challenged the big box

concept of suburban supermarkets. The store is located amongst early to mid- twentieth century masonry commercial buildings and a range of single and multi-family housing types. To make the building a natural part of the neighborhood, we used red brick and sandstone to match the predominant materials in the area. Our plan was saw-toothed, and incorporated many windows to create pockets for people to sit outside. Building detailing, such as the patterning of the brick and the sandstone base, brought interest and human scale to the pedestrian level.

Project Name: Morrison Homes Office
Location: Calgary
Owner: Morrison Homes
Architect: Poon McKenzie Architects
Engineer: Wiebe Forest Engineering Ltd.
General Contractor: KenRae Ltd.
Masonry Contractor: Pockar Masonry Ltd.
Masonry Suppliers: I-XL Masonry Supplies Ltd., Arriscraft International

The primary design goal of this development was to create a purpose-driven low rise office environment to house operations for an award-winning Calgary Home Builder, Morrison Homes. A variety of brick and stone materials were

selected as a companion to steel and glass elements for facade and hard landscape areas. This created a contemporary aesthetic that balances well with the inherent quality and permanence associated with the masonry materials. The harmonization of innovation with traditional values contributes to the expression of an appropriate corporate signature for the homebuilder Client. A dramatic and boldly positioned V-shaped masonry planter at the building entrance adds Architectural interest from the street, and creates a setting for a large pine tree inspired by the Morrison Homes corporate logo.





Project Name: Percy Wickman Garage
Location: Edmonton
Owner: City of Edmonton - Edmonton Transit System
Architect: Holland Roth Architects
Engineer: Prostatix Engineering Consultants Inc.
General Contractor: Brenex Building Corporation Ltd.
Masonry Contractor: Inline Masonry Ltd.
Masonry Suppliers: I-XL Masonry Supplies Ltd.

The new Percy Wickman Garage for the City of Edmonton Disabled Adult Transit System (DATS) was designed to make the best use of an unused telephone service building. The distinctive buff brick used on the building was only available on special order on a run size that far exceeded the needs of the project. The brick supplier made a special effort to

combine our relatively small order with another batch even though our project had not gone out to tender. As a result, the building looks like it has always been there. The addition and bus wash building combined with the existing building and tied together with a colourful facade has created a new centre for transportation services to the disabled in Edmonton.

Project Name: Railway and 10th
Location: Canmore
Owner: Neil D Tanner Properties
Architect: E. J. Darch Architect Ltd.
Engineer: LEW Engineering Ltd.
General Contractor: KW Hines Contracting Ltd.
Masonry Contractor: Pockar Masonry Ltd.
Masonry Suppliers: CCI Industries Ltd.

The project is mixed use, with commercial on the ground floor, office on the second floor and a tourist home on the third floor. The third floor is turned at an angle to the floors below to orientate the view from the main living area to the Three Sister Mountains and along the Railway Street side to the shear face of Rundle Mountain.

The stone chosen is a random pattern gray granite, which when viewed at a distance closely matches the stone of the surrounding mountains. Reflecting on the massing of the mountains one often sees landscaped crevices, which climb up the face at the tree line. On the two street sides of this project this thought has been incorporated into the facade with substantial planters at each level. In addition to the gray of the stone, the colour scheme uses a gray tile roof and green window frames with a strong flash of orange recalling the autumn colours of deciduous trees.



Project Name: The Brownstones
Location: Calgary
Owner: StonePine
Architect: Poon McKenzie Architects
Engineer: HMS Engineering
General Contractor: FWS Construction
Masonry Contractor: Pockar Masonry Ltd.
Masonry Suppliers: Arriscraft International, I-XL Masonry Supplies Ltd.

As a new 45,000 sq ft office building sited in an historic warehouse district in Calgary's revitalizing downtown Beltline, The Brownstones required a design approach that offered both a traditional feel and modern urban elements.

The resulting 3-storey brick-clad building with steel and glass accents harmonizes seamlessly with the surrounding community. A covered front "arcade" works well for visitors and contributes effectively to the highly pedestrian community. Brick carried upward on the building's vertical architectural elements breaks up the horizontal form and adds an illusion of height, further dramatized by up and down lighting evident in the evenings.

Project Name: Wing Kei Care Centre
Location: Calgary
Owner: Chinese Christian Wing Kei Nursing Association
Architect: IBI Group
Engineer: HMS Engineering
General Contractor: Bird Construction Ltd.
Masonry Contractor: Thibeault Masonry Ltd.
Masonry Suppliers: I-XL Masonry Supplies Ltd., Manstar Distributors

Building was designed to beautify the centre street architecture. Brick and Tyndall Stone exterior veneer, with a glass block feature curved wall. This building demonstrates the beauty of combining masonry materials.



The job of buildings is to improve human relations... Ralph Erskine (b. 1914)

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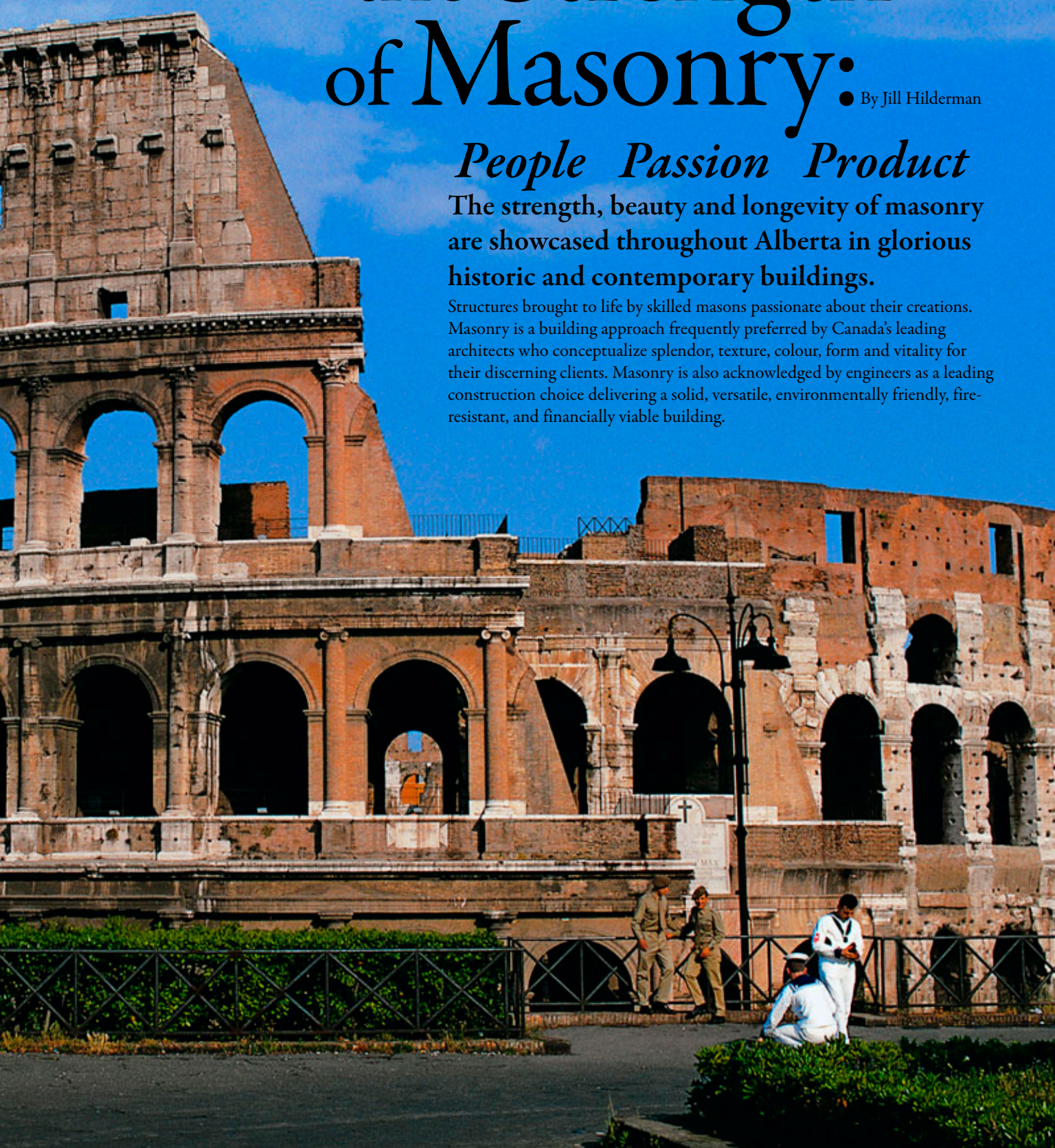
Celebrating the Strength of Masonry:

By Jill Hilderman

People Passion Product

The strength, beauty and longevity of masonry are showcased throughout Alberta in glorious historic and contemporary buildings.

Structures brought to life by skilled masons passionate about their creations. Masonry is a building approach frequently preferred by Canada's leading architects who conceptualize splendor, texture, colour, form and vitality for their discerning clients. Masonry is also acknowledged by engineers as a leading construction choice delivering a solid, versatile, environmentally friendly, fire-resistant, and financially viable building.



“The Masonry industry is one that has emotion attached. More than the placement of concrete—it goes beyond mere building to envelop a history that includes the pyramids of Egypt and the castles of Europe. It is a long tradition of durability and longevity; it evokes passion for many of us.”

Malcolm Sissons, President, I-XL Industries Ltd., Medicine Hat, Alberta.

From Edmonton's Alberta Legislature Building, Hotel Macdonald, and Strathcona Library to Calgary's stunning RoundUp Centre, Palliser Hotel and Alberta Children's Hospital, the province is alive with libraries, arts centres, homes, and numerous other civic and commercial buildings that stand strong and long as a testament to the strength of masonry.

LIVING HISTORY

The path to the popularity of masonry starts with the historic arrival of the railway in Alberta in 1883. The most successful early settlers found Alberta's foothills to be ideal ranching country and the railway made the Canadian settlement of the West possible. Many new immigrants to Canada's West were trades people, including talented European stonemasons and bricklayers who brought both their skill and enthusiasm.

The central Alberta town of Lacombe, set in beautiful rolling parkland, is home to one of western Canada's oldest and most unique brick structures. Lacombe's Flat Iron Building was constructed in 1903-1904 by the Merchants Bank. This sophisticated and commanding building was designed in the Beaux Arts tradition of classically inspired architecture. The

design includes giant order pilasters or simulated columns that run through the second and third stories, a cornice along the top of the structure and a scallop-shaped hood over the main entrance.

The decision to build the Flat Iron Building with fire-resistant materials proved wise as a blaze in 1906 devastated the remainder of the business block, which was later rebuilt following the bank's example. The destructive force of fire led to Alberta's masonry boom and, in turn, to many of the significant historic structures that still enduringly grace the province.

It was another devastating fire in 1886 that led to 15 years of Paskapoo Sandstone construction in Calgary and prompted the development of more than 40 sandstone buildings in the downtown core. Edmonton also embraced the resilience of stone and brick; from 1907 to 1912 brick homes were in vogue and in response, brickyards boomed.

In 1912, another Alberta masonry success story took root when the now named I-XL Industries Ltd. began modestly on a journey that established them as Alberta's renowned family-owned brick manufacturer. Still flourishing today, the company supplies customers across Canada the U.S., and into Asia, with bricks in metric and imperial sizing, and in a rainbow of colours.

For 100 years, red clay from the Old Man Formation near Medicine Hat has been used in Alberta brick making. Clay from Cypress Hills is also often used to burn a variety of colours. Those intimately involved in the masonry industry tell how gratifying it is to drive around Alberta and identify the provenance of a building from the colour of the bricks and the stone utilized; a structure's history beautifully revealed and acknowledged.

HISTORY AND INNOVATION

Throughout time, masonry has evolved in application and innovation. “As an industry we have continually enhanced our



knowledge in order to increase structural loads such that we may build walls taller and thinner,” says David Stubbs, engineer at the Canada Masonry Design Centre. “We now build more economic wall systems with increased strength and durability without compromising the well known sound and fire resistance of masonry.”

David also acknowledges the masonry industry as a leader in an area being incorporated into current building codes: “Masonry rain screen wall principles include a number of defenses against moisture penetration, including the use of a drainage cavity. This consideration is now becoming part of our modern

building code, requiring exterior wall systems to have a drainage cavity as a secondary defense to moisture penetration. This is a significant concept that masonry has incorporated for many, many years.”

THE PASSION OF THE PEOPLE

The appreciation and passion for masonry is at the core of the people involved in the industry and key to keeping the trade dynamic and viable. The two presidents of the north and south chapters of the Masonry Contractors Association of Alberta (MCAA) recognize that the commitment to the sector by masons, architects, engineers, other technicians and educators is critical to ensuring that masonry continues to thrive in the province. Society has historically been fickle in its appreciation of masonry with the building style falling in and out of favour over time. Leaders in the industry hope increasingly that Albertans will return to truly valuing and choosing the superior qualities masonry brings.

“Masonry is not only structural, but also creates visual beauty when done by a qualified mason,” says Marco Annich, president of the northern chapter of MCAA. “With the use of brick, block, stone or any combination of masonry materials, works of art can be created to stand the test of time.”

Malcolm Holbrook, President of Pockar Masonry Ltd., a leading Calgary masonry contractor that celebrated 50 years of operations in 2006, also recognizes the significance of the many players in the industry. Not only does Pockar have dedicated employees with up to 40 years commitment to their company, they also recognize the essential sector relationships that have helped keep their passion alive and their business highly successful.

“It’s all about team—from our staff inside to our essential relationships with contractors and consultants. It’s all about building and maintaining trust anchored in good quality work,” says Malcolm, who has been with Pockar for 32 years and views the masonry industry as a great trade for young people.

“Whether you choose a career as a bricklayer or want to go on to project management or to own your own company – there is no end to what you can do in a trade. I truly believe that in Alberta we have the best masonry apprenticeship training in Canada. As an industry we must continue to educate young people, and their parents, about the opportunity and potential this trade has to offer.”

Malcolm Holbrook, President, Pockar Masonry Ltd.

TOMORROW’S LEADERS

Attracting young people to the masonry trade is indeed essential to ensuring the strength of masonry endures. Programs such as Skills Canada Alberta (SCA) bring youth involved in the trades together to compete and showcase their skills as a way to raise awareness and appreciation of the career opportunities trades offer.

Mentorship and family influence can also play a part. Architect Stephen Mahler, with Gibbs Gage Architects, was influenced by his father Friedrich, a bricklayer. “Dad came to Canada from Germany and went to trade school. He loved his work as a bricklayer and my brother and I would put on his massive work boots and stomp around the house. He took us to job sites with him and when old enough I was a labourer helping him on the weekends and again while I was in university. There is something to be said for the satisfaction of starting the day with bricks on a pallet and then, at day’s end, a wall stands where before there was nothing. Dad helped me build this appreciation and it influences my work today as I support the development of many buildings that utilize the strength and beauty of masonry.”

While masonry is typically a male-dominated industry, in large part due to the physical nature of the work, women are involved and making significant contributions. Serena Holbrook, General Manager of Pockar Masonry Ltd., daughter of Lojz Pockar one of the company’s founders, is a dynamic example. “There is a role for women in masonry. I like to think I am proof of this,” says Serena. “While I am not hands-on, my passion is deep-seated and respected. This is the most exciting industry and I love the legacy we leave behind; bricklayers are true artists. I collaborate with other women in the industry: architects and their reps, suppliers, contractors... yes, there are important roles for women too that support and enhance the strength of masonry in Alberta.”

Education plays an important role in building the skill and credibility of the trade. The Alberta Masonry Journeyman Certificate program is offered in Calgary and Edmonton. Alberta masonry contractors support the program by signing prospective apprentices to a three-year contract. The novices receive on the job training and then attend the eight-week training program including shop training, masonry theory, math and blueprint reading. After three years in the program, successful exam completion and a minimum of 4800 hours of experience in the field, the apprentice receives a Journeyman Certificate.

Peter Wyatt, originally from Liverpool, England, worked as a labourer around masonry all his life. Four years ago he came to Canada and finally picked up a trowel. He’s a third year student at the Southern Alberta Institute of Technology (SAIT). “Masonry looks nice. It’s a lot stronger than stucco, siding or other light weight applications,” Peter explains. “It’s a better approach to avoid damp and to keep mold out. It’s very durable. I do a lot of commercial work. I work on every job like it’s my

own house. I want it look good and be done properly. Masons take pride in their work because it’s out in the public eye. I like to say: ‘I was on that job – see that...that was me!’”

George Larocque, instructor at SAIT, educates masonry students on the Calgary campus. George is quick to share his passion for masonry with his students: “The strength of masonry includes that we are competitive with other construction methods like steel and tilt-up. We are durable, flexible, we have longevity. We suit for ‘green’ builds because we’re environmentally friendly; we are not impacting trees or incurring high energy costs in production.”

George’s commitment to enhancing industry understanding and use of masonry has led him to educate university civil engineering students and architects on the strength, versatility and durability of masonry. “As well as building understanding and appreciation for masonry, we assist with their research into strength and resilience,” says George. “For the engineering students’ ‘shake table’... I build projects – block, brick... whatever they want to test. They study what it might take to impact the structure, perhaps through an earthquake. Let me tell you, it takes quite a lot to compromise a brick building!”

The MCAA also plays a role in supporting the involvement of youth in masonry. In collaboration with the Alberta Construction Association, it provides two cash award scholarships yearly to apprentices who demonstrate merit and need.

IRRESISTIBLE STRENGTH

“I owe the masonry industry my education and my reputation. If I was to go back... I would do it all again. I have no regrets. I owe a lifetime of success to the masonry industry.” Dr. Mike Hatzinikolas, author of many publications and co-author of the newly released textbook: *Masonry Design for Engineers and Architects*; he is a masonry expert, researcher, teacher, mentor and friend to many in the Alberta masonry industry.

Masonry combines beautiful design possibilities with versatility, value, durability and low maintenance in every style, size and climate. Masonry is a form of living history—art built by human hand that brings vitality, beauty and endurance. Throughout Alberta we celebrate the strength of masonry in: *the people, the passion and the product.*

Jill Hilderman is a Calgary-based communications consultant who writes frequently for Alberta publications and supports clients in business, agriculture, not-for-profit, and academic sectors. jhilderman@shaw.ca



Douglas Cardinal, preminent Canadian architect with an international reputation for excellence in natural design, was born in Calgary in 1934. He joins us in celebrating the strength of masonry and shares his insight:

“Masonry enables an architect to create timeless sculptures that are capable of lasting thousands of years. Masonry is a very versatile media that can be shaped and moulded to any organic form. It expresses the raft, the vision of the designer, and the hand of the mason. Whether cut from the earth or fired in a kiln, the material is capable of harnessing a life-like presence that reflects the sun’s rays with a quality that surpasses other materials. The texture and material of masonry laid in a manner to catch the angles of the Sun during the day, throughout the year, make the appearance of the structure ever changing. This creates the life-like and organic quality that differentiates a dynamic building from a static building.” *Douglas Cardinal, B.Arch., O.A.A., A.I.A., A.A.A., M.A.A., S.A.A., O.C., R.C.A.A., F.R.A.I.C., F.R.I.A.S.*



Project Name: Chad Residence
Location: Calgary
Owner: Mrs. Ruth Chad
Architect: Mrs. Ruth Chad
General Contractor: Mrs. Ruth Chad
Masonry Contractor: Pockar Masonry Ltd.
Masonry Suppliers: Stonecor Distributors

The Chad residence is located in the beautiful, mature area of Britannia in S.W. Calgary. The lot was able to support the grand two storey, fully clad stone home with breathtaking views of downtown Calgary. Two different colours of sandstone were imported direct from Italy. Every second course was recessed to achieve modern and contemporary lineal lines. This home will stand the test of time and require no maintenance which was very important to the homeowner.

AWARD OF EXCELLENCE



Project Name: Summit Point Residence
Location: Edmonton
Owner: Martin and Sarah Gouin
Architect of Record: Bennett Architecture Inc.
Design Architect: Wimberly Allison Tong and Goo
Engineer: Aedis Consulting Ltd.
General Contractor: Rescom Inc.
Masonry Contractor: Gracom Masonry
Masonry Suppliers: Manstar Distributors Ltd.

The Summit Point Residence is located on a spectacular west Edmonton site overlooking long views of the North Saskatchewan River Valley.

Traditional stone masonry is used both as an exterior

cladding material and as the dominant interior feature of the design through inclusion of a two storey high serpentine interior masonry wall that visually delineates all the major spaces of the home.

The stone was carefully chosen for both its durability and aesthetic appeal, with care given by the masons as to selection of the individual stones for colour and size. The result is an exceptionally pleasing blend that has consistent uniformity and variety wherever it is found in the home, both inside or out.

AWARD OF MERIT

Project Name: Westmount Residence
Location: Edmonton
Owner: Chris & Christine Ambrozic
Architect: Spitfire Design
General Contractor: Steve's Homes
Masonry Contractor: Scorpio Masonry (Northern) Inc.
Masonry Suppliers: I-XL Masonry Supplies Ltd.

This home was designed to match the "Arts & Crafts" style of home featured in the 1920's. The floor plan of the home has the bedrooms on the second floor while the main floor has the living room, kitchen, dining area, and laundry. Some of the challenges faced in this design was sourcing building material consistent with the period and dealing with city imposed height restrictions.

The exterior of the home features an open wrap around veranda which complements the classic red brick and limestone accents. The brick patterning features "fishmouth" corners on the bay projection and "dogtooth" patterning on the chimney. The tight joints (5-7mm) in the brickwork are also consistent with period architecture.



AWARD OF MERIT



Project Name: King Residence
Location: Calgary
Owner: Dave and Linda King
Architect: Sally Healy Design and Tank Design
General Contractor: Delmar Homes Ltd.
Masonry Contractor: Pockar Masonry Ltd.
Masonry Suppliers: Alomar Building Products

This grand home is located in the outer northwest boundaries of Calgary on a stunning private acreage nestled in the foothills. Masonry was incorporated into the project in numerous locations to bring an "old world" feel to the new home. Architectural precast sills and window surrounds were also constructed by Pockar Masonry to enhance the visual effects of the stone and provide no maintenance requirements.

Project Name: Park Place - Belle Rive
Location: Edmonton
Owner: Aim Real Estate Corporation
Architect: GMH Architects
General Contractor: Petrocom Construction Ltd.
Masonry Contractor: Scorpio Masonry (Northern) Inc.
Masonry Suppliers: I-XL Masonry Supplies Ltd.

Park Place is a classic brownstone development which is popular in the eastern U.S., but is unique in Edmonton. The development has great curb appeal because of the layout and the masonry work.

The challenges with the masonry work were to have the proper symmetric layout with the rockface quoining,

arches, and soldier coursing. The classic red brick with the white rockface brick contrast highlights the whole development. The brickwork in this particular project is what makes this a truly unique development in Edmonton.



Project Name: Parkwood Master Builder Showhome
Location: Edmonton
Owner: Parkwood Master Builder
Masonry Contractor: Black Dog Masonry Ltd.
Masonry Suppliers: I-XL Masonry Supplies Ltd.

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I-XL Masonry Supplies Ltd.

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Masonry Contractors Association of Alberta: Northern Region

Box 44157, RPO Garside, Edmonton, AB T5V 1N6 Tel: (780) 489-6148 Fax: (780) 484-1970

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Congratulations to all Entrants and Winners of the 2007 Alberta Masonry Design Awards

✿ About MCAA ✿

The **Masonry Contractors Association of Alberta** was first incorporated in January 1965 as a venue for contractors in the masonry industry to have a forum in which they could socialize, gain the latest in technological information regarding their industry, and most importantly – a forum in order to have some input into the direction of the masonry industry.

Currently, there are two regions of the Masonry Contractors Association within Alberta, The Northern Region located out of Edmonton and The Southern Region located out of Calgary .

Each of the Associations is comprised of members from the contractor, supplier and manufacturing areas of the masonry field. Each sector provides valuable input and works together to further our industry.

The **Masonry Contractors Association of Alberta** has a very active membership of contractors and suppliers, each providing valuable input and working together to further the industry.

Our objectives are:

To provide the best methods for the handling of, and execution of, building contacts to the end that our industry be surrounded with proper safeguards for the protection of life, and property.

To promote and encourage efficiency in the art of masonry construction and to generally encourage and promote the use of masonry and related products to be installed by masons.

To cooperate with organizations and associations in allied lines; and with individuals, firms and corporations in different lines of business, for the general good of our industry.



Project Name: Cliff Bungalow Townhouses
Location: Calgary
Owner: Moller Land Corp
Architect: Sturgess Architecture
Engineer: Grant Structural Engineering
General Contractor: Warbleton Developments
Masonry Contractor: Homestead Masonry
Masonry Suppliers: I-XL Masonry Supplies Ltd.

The loft-like flexibility of floor plan made it difficult to understand the potential until the units were complete. Also, the units did not sell until the garage wall and courtyards were complete, effectively shielding the project from an undesirable view. The units are relatively narrow at 18' wide, and the careful placing of storage and service facilities, along with the double height space, allowed maximization of the available space and light. Details such as continuous floor to ceiling glass handrail and the upper bathrooms borrowing light from the double height space below exploit the condition of openness and light. The use of brick allowed for the fusion between the traditional surroundings of the mainly single family houses and the subtly contemporary design.

AWARD OF EXCELLENCE



Project Name: Park Place - Belle Rive
Location: Edmonton
Owner: Aim Real Estate Corporation
Architect: GMH Architects
General Contractor: Petrocom Construction Ltd.
Masonry Contractor: Scorpio Masonry (Northern) Inc.
Masonry Suppliers: I-XL Masonry Supplies Ltd.

Park Place is a classic brownstone development which is popular in the eastern U.S., but is unique in Edmonton. The development has great curb appeal because of the layout and the masonry work.

The challenges with the masonry work were to have the proper symmetric layout with the rockface quoining,

arches, and soldier coursing. The classic red brick with the white rockface brick contrast highlights the whole development. The brickwork in this particular project is what makes this a truly unique development in Edmonton.

AWARD OF MERIT

Project Name: One River Park
Location: Edmonton
Owner: Abbey Lane Homes
Architect: Barry Johns (Architecture) Ltd.
Engineer: Jacobsen Hage Engineering Consulting Engineers
General Contractor: Abbey Lane Homes
Masonry Contractor: Gracom Masonry
Masonry Suppliers: I-XL Masonry Supplies Ltd.

providing a desirable and durable building for the owners and surrounding community. Set within the Alberta landscape, the project responds to the extreme physical qualities and unique light conditions of the prairies. The tower conveys a sense of verticality as it rises from the dominant horizon line of the prairie and river valley. The use of masonry conveys the inherent sense of mass and strength while also connecting the building materiality to the local economy and natural resources.



AWARD OF MERIT

One River Park is a 21 storey, 36 suite condominium overlooking Edmonton's River Valley and Downtown. Located on Saskatchewan Drive, this prestigious project is designed to capture the breathtaking views while



Project Name: Grant MacEwan Student Residence
Location: Edmonton
Owner: Grant MacEwan College
Architect: Kasian Kennedy Architecture
Engineer: Read Jones Christoffersen Ltd.
General Contractor: Clark Builders
Masonry Contractor: Scorpio Masonry (Northern) Inc.
Masonry Suppliers: CCI Industries Ltd.

The use of coloured block on this project emulated the feel of the existing Grant MacEwan campus and broke down the height and volume of the building. The building is divided into one thirteen story tall section with two nine story wings in the front. The simple design and patterning of the block enhanced the exterior and created definition in the different areas of the building.

Project Name: La Caille Parke Place
Location: Calgary
Owner: La Caille Group
Architect: Poon McKenzie Architects
Engineer: Wiebe Forest Engineering Ltd.
General Contractor: Clark Builders Ltd.
Masonry Contractor: Pockar Masonry Ltd.
Masonry Suppliers: Arriscraft International, I-XL Masonry Supplies Ltd.

La Caille Parke Place is comprised of a thirteen story multi-family residential development including a boutique-commercial podium base. The development was designed to engage the luxury condominium buyer market and provide a

high quality streetscape experience at pedestrian level. In order to do so, the design included a generous use of naturally toned masonry materials including stone and red brick that resulted in a highly upscale, refined traditionalism suitable to top-of-market buyers. Subtle details and banding were embedded into masonry elements, providing texture and added architectural interest. The building orientation and stepped upper levels respond carefully to view opportunities provided by the Bow River Valley to the North and the Rocky Mountains to the south west. Quality choices in materials and craftsmanship from base to crown are what make this building an elegant addition to the Calgary skyline.



Project Name: The Jasper
Location: Edmonton
Owner: Vinterra Properties Inc.
Architect: Wensley Architecture Ltd.
Engineer: Protostatix Engineering Consultants Inc.
General Contractor: Vinterra Properties
Masonry Contractor: Gracom Masonry/BFI Construction, A Joint Venture
Masonry Suppliers: I-XL Masonry Supplies Ltd.

The intention of the Project was to create a landmark residential building fronting the picturesque Saskatchewan River valley. The building is also a cornerstone in the re-vitalization of the area of Edmonton east of downtown,

which is beginning to transition into a more desirable area for residential. As such it was determined that the use of masonry elements would contribute to the overall aesthetic of the building, providing a strong presence, and sense of permanence. Brick elements are used extensively in a rain-screen application throughout the twenty-three storey tower and town-house components including being featured on the principal facades, with pre-cast concrete lintels at the window sills and heads. The response from the community to the design of the building has been overwhelmingly positive, and the prominent masonry elements are a key to the aesthetic and functional success of the building.

Project Name: The Landing
Location: Edmonton
Owner: Vinterra Properties
Architect: Wensley Architects
General Contractor: Vinterra Properties Inc.
Masonry Contractor: Scorpio Masonry (Northern) Inc.
Masonry Suppliers: I-XL Masonry Supplies Ltd.

This project is located in Edmonton's River Valley, which helped influence certain aspects of the design. The use of brick as a primary design component complements the surrounding environment, and is consistent with our efforts to create a development that will be a focal point in the community for many years to come. The masonry is simple in its design but the colour and volume of the brick creates an elegant look that leaves a lasting impression.





Project Name: The Tradition at Southbrook
Location: Calgary
Owner: Carrington Communities
Architect: Unigroup Architecture and Interior Design Inc.
Engineer: Protostatix Engineering Consultants Inc.
General Contractor: Carrington Construction Edmonton Ltd.
Masonry Contractor: Creative Stone
Masonry Suppliers: I-XL Brick Supplies Ltd.

This project is a luxury 4 storey wood frame multi-family condominium complex located in southwest Edmonton. The major design goal for this project was to achieve aesthetic integration in keeping with the Heritage character of the

Southbrook neighbourhood. This was achieved by incorporating a high level of detail with variations in finishes and colours. The extensive use of masonry on this project breaks up the mass of the building and creates a strong visual interest. The warm, rich tones of the masonry complements the primary exterior colour palette and is in keeping with the Heritage character.

Project Name: The Versailles
Location: St. Albert
Owner: Condominium Corporation #032-5345
Architect: DiGiuseppe Interior Design Ltd.
Engineer: Glacier Developments Inc.
General Contractor: Glacier Developments Inc.
Masonry Contractor: Scorpio Masonry (Northern) Inc.
Masonry Suppliers: I-XL Masonry Supplies Ltd.

The Versailles - A beautifully designed luxury condominium project located adjacent to the city's clock tower. Graciously endowed with large expanses of grey hand moulded, burnt clay brick, featuring white windows tastefully surrounded by black hand moulded brick, placed on end across the top of each window, with a single centred charcoal grey, magnum,

keystone. Accent granite columns were thoughtfully placed at the entrance to further offset the grey and black brick. Centred concrete areas on each face provide textural contrast and further visual interest. The striking appearance of the eye-catching natural colours creates a dramatic depth perspective and very distinctive streetscape. Its visual pleasure is a welcome relief from the sea of neighboring red masonry, satisfying the visual challenges in designing this project.



Project Name: Touchmark at Wedgewood
Location: Edmonton
Owner: Touchmark Development & Construction Co.
Architect: Touchmark in Association with Maltby & Prins Architects
Engineer: E.B. Jacobsen & Associates
General Contractor: Westhill Construction Ltd.
Masonry Contractor: K. Hansen Masonry Ltd.
Masonry Suppliers: I-XL Masonry Supplies Ltd.

Our client is a very experienced senior citizen housing operation in the United States. This project is their first venture into Canada. All their projects are based on a standard design in the shape of a "Bow Tie" adapted to local site conditions.

In their previous projects they used a lot of vinyl siding with minor touches of brick. We persuaded our clients to increase the usage of brick in combination with Californian Stucco.

Careful detailing was done at the brick pilasters at the main entry with interesting arches over the window frames.

The project will have several phases with the second phase now under construction. The first phase, the "Bow Tie" contains 115 self contained apartments complete with a large dining and kitchen facility. The next phase will have 64 nursing home type units with 32 units slotted for seniors with dementia and Alzheimer problems. Completion for phase II will be January 2007. Phase III complete with a 25m swimming pool will start in summer of 2007.

Project Name: Wing Kei Care Centre
Location: Calgary
Owner: Chinese Christian Wing Kei Nursing Association
Architect: IBI Group
Engineer: HMS Engineering
General Contractor: Bird Construction Ltd.
Masonry Contractor: Thibeault Masonry Ltd.
Masonry Suppliers: I-XL Masonry Supplies Ltd., Manstar Distributors

Building was designed to beautify the centre street architecture. Brick and Tyndall Stone exterior veneer, with a glass block feature curved wall. This building demonstrates the beauty of combining masonry materials.



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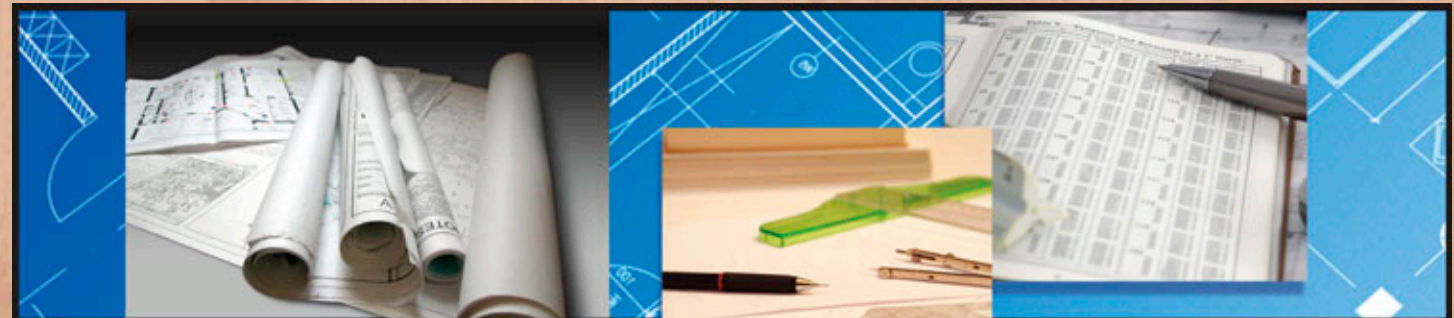
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AWARD OF EXCELLENCE

Project Name: Strathcona Library
Location: Edmonton
Owner: City of Edmonton Asset Management and Public Works
Architect: Burgess Bredo Architect Ltd.
Engineer: Walters Chambers & Associates Ltd.
General Contractor: Pentagon Structures Ltd.
Masonry Contractor: Scorpio Masonry (Northern) Inc.
Masonry Suppliers: Mutual Materials

As Edmonton's first library, Strathcona Library was built in 1913 for a cost of \$30,000. This Provincial Historic Resources is a two storey building with a full basement designed in the English Renaissance Revival style. The addition and re-occupying the second floor have allowed the Library to almost double in size. To meet restoration standards, a new addition must be "compatible with the size, scale, colour, material, and character" of the building to which it is attached.

The most striking feature is the sensitive and retiring nature of the addition. The addition was limited in height and located entirely on the library's east side. Careful detailing was required to create a distinctive break from old to new. Viewed from the south, west and north the original building retains its original 1913 prominence while placing the addition in a subservient position.



Project Name: Athabasca Hall - U of A
Location: Edmonton
Owner: University of Alberta
Architect: Read Jones Christofferson Ltd.
Engineer: Read Jones Christofferson Ltd.
Masonry Contractor: Scorpio Masonry (Northern) Inc.

Hall is one of the oldest and grandest buildings on campus at the University of Alberta. The building is used primarily for offices, with some meeting rooms and classrooms within.

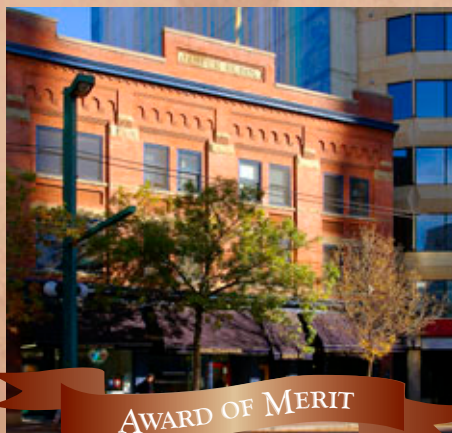
Over the years, the sandstone and brick elements suffered weathering and some deterioration. It was determined by RJC through a building exterior investigation that there would require some restoration work to bring the building

back to a condition that was acceptable to the owner. The major scope of work was to replace the sandstone coping with architectural precast concrete which would resist the weather elements better. There was also exterior cleaning and miscellaneous work involved in this contract. One of the challenges was to have the precast pieces connect to the existing building without sacrificing the architectural look, this was achieved through good details provided by the consultants.

Project Name: Lougheed House Restoration
Location: Calgary
Owner: Alberta Infrastructure
Architect: Simpson Roberts Architecture
Engineer: A.V.A. Engineering
General Contractor: Pentagon Structures Ltd.
Masonry Contractor: IB Jensen Masonry Ltd.
Masonry Suppliers: IB Jensen Masonry Ltd.

Simpson Roberts Architecture Interior Design Inc. were the conservation architects responsible for the rehabilitation of the Lougheed House. The project involved a 10-year commitment of time from initial studies through to completion of construction. It involved a series of phased construction contracts.

The property is owned by the Province of Alberta and operated by the Lougheed House Conservation Society. Extensive fund raising was undertaken by the Society in order to realize, not only the conservation of the historic house, but also to establish programmes and build an endowment fund to ensure its operation.



AWARD OF MERIT

Project Name: Jasper Block
Location: Edmonton
Owner: ALM Holdings Ltd.
Architect: Leighsmith Design
Engineer: Janto Engineering Inc.
General Contractor: Synergy Projects Ltd.
Masonry Contractor: Scorpio Masonry (Northern) Inc.

This project involved restoring a 3 storey brick building on the main street of Edmonton and in the process repairing much brick and stone work. This Heritage building is significant as one of the last remaining 1900 era buildings left on Jasper Avenue.

The brickwork had been neglected over the years and on the lower level the original street frontage had been covered over

with inappropriate signage and finishes. The project therefore entailed stripping this off to reveal original brick and stone work. The recessed entries to the commercial and the residential were reconstructed with tall glass display windows. At the parapet the stone "Jasper Block" name plate was reconstructed from sandstone as was the stone lintels, sills, caps and bases.



Project Name: Ortona Armoury Restoration
Location: Edmonton
Owner: City of Edmonton Asset Management and Public Works
Architect: Burgess Bredo Architect Ltd.
Engineer: Walters Chambers & Associates Ltd.
General Contractor: PCL Maxam Inc.
Masonry Contractor: Scorpio Masonry (Northern) Inc.
Masonry Suppliers: I-XL Masonry Supplies Ltd.

Ortona Armoury was originally built in 1914 as a horse stable, warehouse and staff living quarters for the Hudson's Bay Company but eventually purchased by the City of Edmonton. Our job was two-fold: technical and historic. Technical repairs

aimed at stopping and repairing deterioration to exterior masonry. The historic restoration concentrated on the building exterior. Un-doing changes made over the years and restoring the elevations to their original condition, especially the east elevation. The east or front elevation was finished with an articulated parapet and three cartouche panels.

Original cartouche panels in poor condition were retained but required a masterful restoration by the Masonry contractor. Cast stone parapets, carriage doors, loft doors and front entrance arch were all re-built to original configuration.

Project Name: Kensington Firehall No. 6 - Redevelopment
Location: Calgary
Owner: City of Calgary Parks Department
Architect: Simpson Roberts Architecture Interior Design Inc.
General Contractor: Ellis Don Construction Services
Masonry Contractor: Pockar Masonry Ltd.

Fire Hall No. 6 was built in 1909 and is a two story brick bearing wall structure with light wood floor and roof framing. The lower floor originally housed the fire engines with the upper floor used as the firemen's living quarters. The building was partially renovated in 1981 and in 2002 the exterior and interior masonry of the building was

rehabilitated with a cleaning and repair program. The brick roof parapet was reconstructed and refinished with a mortar cap to match the original detail. In addition, a number of original windows that had been bricked-in were reintroduced. The original CIP concrete window sills were reconstructed. Also, a new insulated roof system was added with all flashings installed in the original brick reglets.



AWARD OF MERIT

Project Name: Our Lady of Lourdes School
Location: Calgary
Owner: Calgary Roman Catholic Separate School Board
Architect: Ron Boruk Architect Ltd.
Engineer: Hemisphere Engineering Inc.
General Contractor: Lear Construction Management Ltd.
Masonry Contractor: Thibeault Masonry Ltd.
Masonry Suppliers: I-XL Masonry Supplies Ltd., Steels Industrial Products, CCI Edcon

This project was the first Calgary Catholic School completely designed using load bearing block throughout. The unique design of the exterior is comprised of the reclaimed of 1909 sandstone from the original St. Mary's School, in

combination with new brick and Ariscraft Stone accent bands to match sandstone. The truly unique design is a masterpiece fitting beautifully of the old architecture in the area.





Project Name: Selkirk Hotel - Fort Edmonton Park
Location: Edmonton
Owner: Fort Edmonton Foundation
Architect: HIP Architects
Engineer: Read Jones Christofferson
General Contractor: Stuart Olson Construction Ltd.
Masonry Contractor: Scorpio Masonry (Northern) Inc.
Masonry Suppliers: I-XL Masonry Supplies Ltd.

The Selkirk Hotel is a faithful reconstruction and recreation of an early 20th Century Hotel that was located downtown Edmonton. By exploring extant drawings and investigating existing buildings by the original Selkirk Hotel architects the 21st century team was able to reconstruct the new Hotel to within inches of the original. The challenge was to

utilize modern construction methods to replicate details built with materials no longer available using materials now available. The Hotel has been a great success, in part because of its rigid adherence to the original building design. When you are at the Selkirk, you are in the past.

Project Name: St.Vital Apartment
Location: Edmonton
Owner: Bosco Homes
Architect: Holland Roth Architects
Masonry Contractor: Scorpio Masonry (Northern) Inc.

St. Vital masonry restoration was approved in 2005 by Alberta Community Development. The scope of work determined by the stakeholders was to replace the cast stone water table separating the parged foundation and the clay brick above. The existing pieces had spalled faces due to the corrosion of the reinforcing. Some of the challenges were to establish a match for the existing cast stone pieces and a job procedure to ensure that the integrity of the brick above was not compromised when the

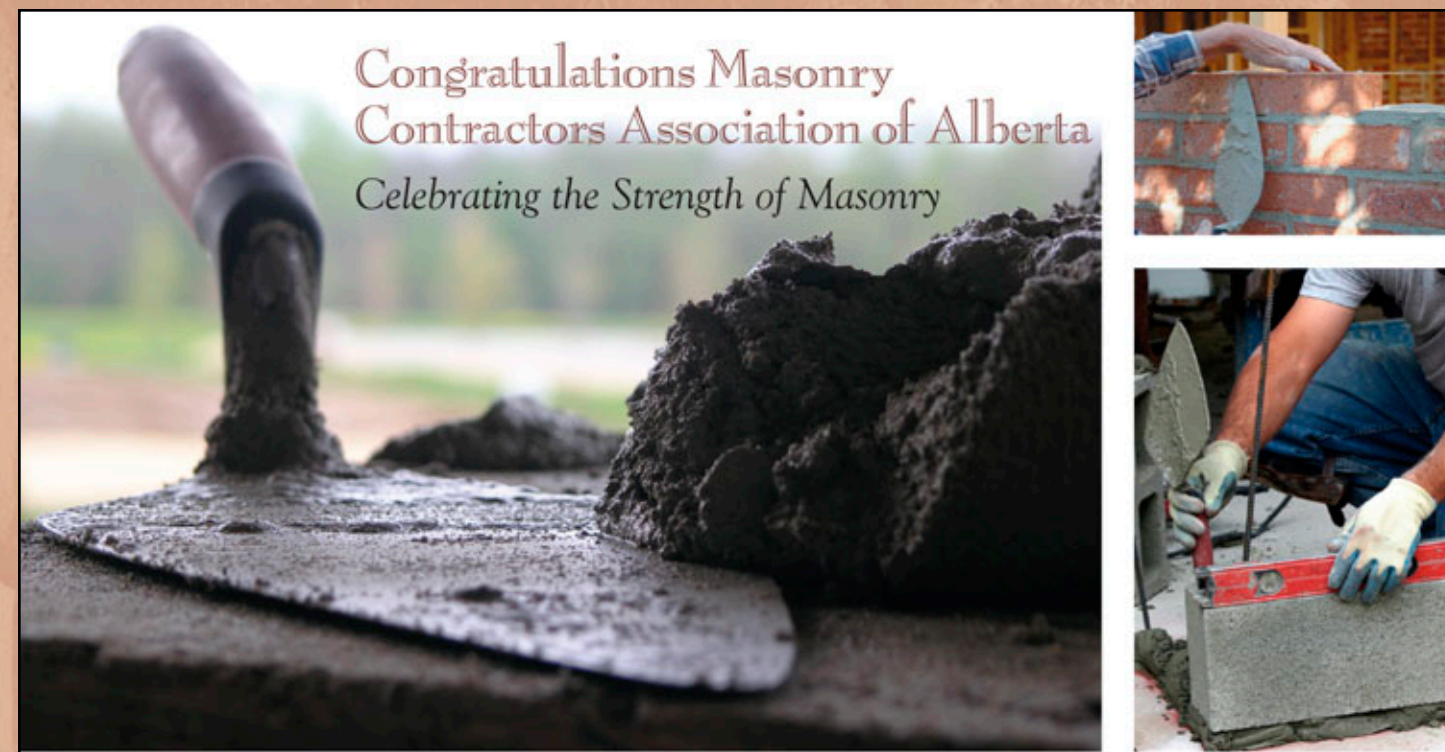
cast stone was removed and the new pieces installed. The building also had some miscellaneous repointing done around the window sills, and a cleaning.



Project Name: The Grand Rejuvenation
Location: Calgary
Owner: Theatre Junction
Architect: Sturgess Architecture
Engineer: Read Jones Christofferson
General Contractor: Dominion Construction Company
Masonry Contractor: G & A Masonry
Masonry Suppliers: CCI Industries Ltd.

The intent of the rehabilitation of the Grand Theatre was to juxtapose new architecture with found historical elements. Layers of the theatre's history were revealed using an archeological approach: surfaces were surgically removed to uncover remnants of the past. As layers of plaster, paint and structure were removed, areas of interest and value

were carefully selected to be preserved and celebrated. Some of these distinctive features include the exposed brick and the terrazzo floor of the entrance lobby. Rather than restore the revealed historical elements, they have been preserved and stabilized from further degradation, allowing the layers to tell their own story of the history of the Grand Theatre. The resulting building embraces the masonry structure deeply-rooted in the past and meshes it with today's modern theatre requirements.



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Skills Canada Alberta

By Jill Hilderman

Showcasing young talent and promoting the trades

When Tom Sorenson was five years old, Lego was his building material of choice; perhaps a natural construction toy for the youngster who's Dad moved to Edmonton in 1980 from Denmark, home of the popular, plastic children's blocks.

This childhood construction play apparently paid off. In 2004, at the robust age of 21, Tom worked with trowel, mud and bricks to win the masonry division of the Skills Canada Alberta (SCA) competition in Edmonton, where youth working in trades compete. After his follow-up win at the

national competition in Winnipeg, he ultimately placed 14th at the WorldSkills Competition in Helsinki, Finland; a stunning achievement where he stretched his knowledge and talents and picked up the pace in order to be competitive.

"At the World's, you're competing with international talent and different approaches. The European masons in particular do things we don't... and they work with different materials. They are also amazingly fast," says Tom.

Established in September of 1992, Skills Canada Alberta (SCA) is a not-for-profit provincial association working with employers, educators, labour groups and the government to position trade and technical careers as a first choice career option for youth in Alberta. The philosophy of the skills competitions is to reward students for excellence, to directly involve industry in evaluating student performance and to keep training relevant to employers' needs.

Each year thousands of high school and post-secondary students, including apprentices from across Canada, vie for a chance to represent their province or territory at this prestigious event.

In Alberta, the two-day competition attracts 500 provincial youth working in trades as cabinetmakers, plumbers, auto mechanics, bakers, estheticians, welders, electricians,

masons, and more—who come together to compete within their industry sectors.

"We put the very best face on the trades through this competition and showcase," says Chris Browton, Executive Director of Skills Canada Alberta (SCA). "We are actively addressing the labour shortage by busting myths and stereotypes about these fields of work—and ultimately we're getting kids turned on to the trades as a first choice career opportunity. In 2009 Alberta is hosting the WorldSkills in Calgary and this unparalleled competition will bring even greater profile to the trades in Alberta."

The masonry challenge typically involves 10 post secondary students. After a competition briefing with rules and safety issues addressed, the apprentices are supplied their identical project blueprints, raw materials and the support of a labourer.

In 2004, the task faced by Tom and his rivals was to build a six-foot long by five-foot high wall with four-inch block in the rear, bricks at front with some detailing.

Within roped-off areas in the myriad of exhibition halls at Edmonton's Agricom, the young masons set to work. Using their own tools, and with a 10-hour time limit over the two days, the race for perfection was on.

"Yes, perfection really is the standard we are looking for," says Shane Frahm, a second-generation mason, who has been part of the Skills Canada Alberta (SCA) volunteer team for more than six years. "The

structures are checked in several places with a level and we're looking for clean, even—quality workmanship."

Points are lost for crooked bricks, too loose or tight joins; the judges have the expertise to differentiate the work of the young masons as they include industry representatives, seasoned masons and often the President of the Masonry Contractors Association of Alberta (MCAA). Prizes in the event include new tools, some cash awards and of course: glory.

"It's very fulfilling to do well," says Tom. "I competed a few years before 2004 and each time it's great to shoot for the win."

Tom remains committed to the masonry industry and works as a bricklayer in Edmonton, exclusively on commercial projects. He plans to



attend the construction engineering technology program at the Northern Alberta Institute of Technology (NAIT) in fall 2007 with hopes of a future management role in the industry.

"Tom did very well at the World's, particularly considering who he was up against. European competitors start in the industry much earlier than our Canadian guys, they are often apprentices as young as 16. Tom has great skill and was extremely competitive. It tells me the training of our apprentices is second to none and we can all be proud," says Marco Annich, President of the northern chapter, MCAA.

On May 15th and 16th Skills Canada Alberta (SCA) hosts the 15th Provincial Skills Competition at Northlands Agricom, Edmonton. For more information, visit: www.skillsalberta.com



Jill Hilderman is a Calgary-based communications consultant who writes frequently for Alberta publications and supports clients in business, agriculture, not-for-profit, and academic sectors. jhilderman@shaw.ca



ALBERTA

WorldSkills Calgary 2009 Ltd. is a not-for-profit organization that was established to plan and host the 40th WorldSkills Competition in September 2009.

The competition will take place from September 2 - 5, 2009, and be held at Calgary Exhibition and Stampede Park.

850 competitors from 48 member countries (representing 17 languages) will be participating.

The organization's mission is to engage the passion of Canada's young people to pursue the trades and technology as viable and rewarding career options.

The competition will be attended by nearly 150,000 visitors and 5,000 international experts, delegates and judges from around the world.

It will require close to 800,000 square feet of space, and 400 tonnes of tools as well as 4 million tonnes of equipment will be used during the competition.

It is anticipated that it will have an economic impact of approximately \$34 million.

ABOUT THE WORLDSKILLS COMPETITION

The WorldSkills Competition is the biggest skills competition in the world of its kind.

The first competition was held in 1950 in Madrid, Spain.

Every two years, over 850 competitors from 47 member countries gather to

compete in over 40 skill categories ranging from masonry, welding, cooking, autobody repair and landscape gardening to plumbing and web design.

The competition attracts hundreds of thousands of visitors including public policy makers, government representatives, employers, teachers, trainers and experts from around the world.

For more information:

Mr. Kerry Moynihan, Vice-President External, WorldSkills Calgary 2009
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Project Name: Westmount Residence
Location: Edmonton
Owner: Chris & Christine Ambrozic
Architect: Spitfire Design
General Contractor: Steve's Homes
Masonry Contractor: Scorpio Masonry (Northern) Inc.
Masonry Suppliers: I-XL Masonry Supplies Ltd.

This home was designed to match the "Arts & Crafts" style of home featured in the 1920's. The floor plan of the home has the bedrooms on the second floor while the main floor has the living room, kitchen, dining area, and laundry. Some of the challenges faced in this design was sourcing building material consistent with the period and dealing with city imposed height restrictions.

The exterior of the home features an open wrap around veranda which complements the classic red brick and limestone accents. The brick patterning features "fishmouth" corners on the bay projection and "dogtooth" patterning on the chimney. The tight joints (5-7mm) in the brickwork are also consistent with period architecture.

AWARD OF EXCELLENCE



Project Name: Chad Residence
Location: Calgary
Owner: Mrs. Ruth Chad
Architect: Mrs. Ruth Chad
General Contractor: Mrs. Ruth Chad
Masonry Contractor: Pockar Masonry Ltd.
Masonry Suppliers: Stonecor Distributors

The Chad residence is located in the beautiful, mature area of Britannia in S.W. Calgary. The lot was able to support the grand two storey, fully clad stone home with breathtaking views of downtown Calgary. Two different colours of sandstone were imported direct from Italy. Every second course was recessed to achieve modern and

contemporary lineal lines. This home will stand the test of time and require no maintenance which was very important to the homeowner.

AWARD OF MERIT

Project Name: The Esplanade: Medicine Hat Performing Arts and Heritage Centre
Location: Medicine Hat
Owner: City of Medicine Hat
Architect: Diamond and Schmitt Architects Inc.
Engineer: Halcrow Yolles
General Contractor: Ellis Don Construction Services
Masonry Contractor: Scorpio Masonry Ltd.
Masonry Suppliers: I-XL Industries Ltd.

high quality to international standards of excellence; create a building that enhances public life in Medicine Hat and brings added layers of meaning to the experience of its own heritage and the arts.

Brick provides a monumental and uniting solidity to the entire scheme. Externally, the brick provides the weight needed to signify the Esplanades presence in the neighborhood and also distinguished itself, by using a slate grey brick, complimentary to the local landscape. The result was a building that materially is respectful of its neighbors, while separating itself as a unique facility.



AWARD OF MERIT

The design concept for the Esplanade addresses three objectives: create a building form with a significant public presence that is also integrated with the community; design display and performance spaces of exceptionally



Project Name: 16th Avenue N Widening
Location: Calgary
Owner: City of Calgary - Transportation Infrastructure
Architect: Carson McCulloch Associates Ltd.
Engineer: Morrison Hershfield
General Contractor: Standard General Inc.
Masonry Contractor: Pockar Masonry Ltd.
Masonry Suppliers: I-XL Masonry Supplies Ltd.

16th Avenue N.W. is being widened from four driving lanes to six driving lanes from 14th Street N.W. to 6th Street N.E. The north curb line is remaining in its current location, while the south curb lane is moving further south to accommodate the widening.

As a result, a sound attenuation wall was required on the south side

of 16th Avenue along the residential area (4th Street N.W. to 10th Street N.W.) to mitigate the traffic noise which has moved closer to the residential area.

The design of the sound attenuation wall was seen as imperative in creating an attractive southern edge to the residential community, while not isolating the community from the activity on the corridor.

Visual and physical permeability, attractive appearance on both sides of wall, and variety along the corridor were important considerations in the design of the wall. Five different wall types are combined along the residential corridor.

Materials used in the construction of the sound attenuation wall are concrete piles and grade beams, architectural CMV's, 'giant' clay brick, precast concrete sills and decorative elements.

Project Name: Cameron Heights Fence
Location: Edmonton
Owner: JCA Financial Corporation
Architect: Stantec Consulting Ltd.
Engineer: Stantec Consulting Ltd.
General Contractor: Scorpio Masonry (Northern) Inc.
Masonry Contractor: Scorpio Masonry (Northern) Inc.
Masonry Suppliers: CCI Edcon

The primary objective of the design team was to generate a product that reflects the character that the developers envisioned for the community. The concept for Cameron Heights was a mature neighborhood with high architectural integrity and would serve as a new standard for land developers in the Edmonton area. The use of

masonry was key in our project not only to enhance the aesthetics of the community, but it would also withstand the test of time in Alberta's harsh climate.

The combination of materials chosen for the final design includes split face block, clay brick and cast concrete. Two bands of red clay brick were used to compliment the natural stone colour of the split face block and emphasize the longitudinal proportion of the walls.



Project Name: Dene Tha' Community School
Location: Chateh
Owner: Dene Tha' First Nation
Architect: The Workun Garrick Partnership Architecture and Interior Design Inc.
Engineer: Protostatix Engineering Consultants Inc.
General Contractor: Jen-Col Construction Ltd.
Masonry Contractor: Park Brick & Block
Masonry Suppliers: CCI Edcon

The Chateh Community School is located approximately 100 km south of the Alberta - NWT border. The school accommodates Kindergarten to Grade Twelve students, with a capacity of 406 students.

The school's concept responds to culturally significant aspects of the Dene Tha' First Nation. Three Classroom wings emanate from a central Gathering Space and Cultural Centre. These spaces are punctuated at the ceiling with radial wood beams, concentric skylights and wood decking, and a perimeter wall composed of a parabolic and curved load bearing masonry wall.

In elevation, the building is highlighted by the "drum" above the cultural centre and cut away roof lines which lift up to resemble a bird in flight. The school's roof symbolizes the wings of an abstracted crow.





Project Name: Elbow River Casino
Location: Calgary
Owner: Elbow River Holdings Inc.
Architect: BCMP Architects
Engineer: Wiebe Forest Engineering
General Contractor: Ledcor Construction
Masonry Contractor: Thibeault Masonry Ltd.
Masonry Suppliers: I-XL Masonry Supplies Ltd.

Designed to enhance the streetscape of downtown Calgary. This casino features the use of Artistic Corbelling, Gothic Arches, Row Lock, Row lock cants. Extremely difficult to build.

Project Name: First Baptist Church Expansion
Location: Lethbridge
Owner: First Baptist Church
Architect: Alvin Reinhard Fritz Architect Inc.
Engineer: BCB Engineering Ltd.
General Contractor: Venture Holdings Ltd.
Masonry Contractor: Gunthor Masonry
Masonry Suppliers: I-XL Masonry Supplies Ltd.

First Baptist Church had a vision to provide adequate functional space to their existing facility in order to accommodate the growing needs of its congregation. The 54 year old building, being one of many historical structures in Lethbridge, still captures the viewer's eye with its distinctive tower design.

The primary design goal of the expansion at First Baptist Church was to meet the architectural and functional programmatic requirements of the church while still honoring the historical design of the existing facility. The expansion was relatively small in comparison to the existing structure and as such it was felt that the best philosophical approach would be to match the expansion so closely, to the existing form and character and finishes, that the expansion would be transparent when experiencing the architecture.

In order to keep with this philosophical approach, matching the existing brick was the natural choice. Primary consideration was given to colour, texture and coursing, needed to match the existing brick in order to emulate features already present.



Project Name: Royal Park Realty
Location: Edmonton
Owner: Royal Park Realty
Architect: N2 Construction
General Contractor: N2 Construction
Masonry Contractor: Scorpio Masonry (Northern) Inc.
Masonry Suppliers: CCI Edcon

The intent of this masonry feature is to add depth to the entrance of the building to create a warming effect for people entering the building. The building is in an older light industrial area with high visibility to traffic. The space was a conversion to high end office space and it was crucial to create a different curb appeal for the building. The smooth bands in the columns were chosen to add some design to the mass of the structure.

The main design challenge was to make the structure work out to the masonry module and have full block on the columns and spandrel. The earthy colour was chosen to create warmth to the structure to contrast the glazing on the building.

Project Name: St. Patrick's Fine Arts Elementary School
Location: Lethbridge
Owner: Holy Spirit Regional School Division
Architect: Ferrari Westwood Architects
Engineer: MPE Engineering
General Contractor: Dawson Wallace Construction
Masonry Contractor: Sas-Can Masonry Ltd.
Masonry Suppliers: I-XL Masonry Supplies Ltd.

The Fine Arts Elementary School, even though not funded as a core school, has been designed to be easily expandable to provide for an additional five classrooms. Bright colours and the use of a wood structure provide exciting spaces for the children who will use this Fine Arts Facility. The dynamic roof form, supported by the glue-lam 'trees', creates an

open space for the Library and Gathering Area. A lowered library divides the Gathering Area but uses a bridge to connect the two spaces. The Drama Room will open to both the Gathering Area and the Gymnasium.



Project Name: Our Lady of Lourdes School
Location: Calgary
Owner: Calgary Roman Catholic Separate School Board
Architect: Ron Boruk Architect Ltd.
Engineer: Hemisphere Engineering Inc.
General Contractor: Lear Construction Management Ltd.
Masonry Contractor: Thibeault Masonry Ltd.
Masonry Suppliers: I-XL Masonry Supplies Ltd., Steels Industrial Products, CCI Edcon

This project was the first Calgary Catholic School completely designed using load bearing block throughout. The unique design of the exterior is comprised of the reclaimed of 1909 sandstone from the original St. Mary's School, in combination

with new brick and Ariscraft Stone accent bands to match sandstone. The truly unique design is a masterpiece fitting beautifully of the old architecture in the area.



Project Name: Selkirk Hotel - Fort Edmonton Park
Location: Edmonton
Owner: Fort Edmonton Foundation
Architect: HIP Architects
Engineer: Read Jones Christofferson
General Contractor: Stuart Olson Construction Ltd.
Masonry Contractor: Scorpio Masonry (Northern) Inc.
Masonry Suppliers: I-XL Masonry Supplies Ltd.

The Selkirk Hotel is a faithful reconstruction and recreation of an early 20th Century Hotel that was located downtown Edmonton. By exploring extant drawings and investigating existing buildings by the original Selkirk Hotel architects the 21st century team was able to reconstruct the new Hotel to within inches of the original. The challenge was to

utilize modern construction methods to replicate details built with materials no longer available using materials now available. The Hotel has been a great success, in part because of its rigid adherence to the original building design. When you are at the Selkirk, you are in the past.

Project Name: Red Deer Regional Hospital -South Complex
Location: Red Deer
Owner: David Thompson Health Region
Architect: Group2 Architecture Engineering Ltd.
Engineer: Group2 Architecture Engineering Ltd.
General Contractor: Stuart Olson Construction Ltd.
Masonry Contractor: Gracom Masonry
Masonry Suppliers: CCI Edcon

South Complex is the final component of the Red Deer Regional Hospital Redevelopment Project.

The floor plates are bisected into two zones by full height ground face concrete block walls, with accent split face block

bands that match the banding on the exterior of the building. Introduced at the main entry as an exterior focal point, the walls carry through the interior, creating feature walls on all floors, until it projects out the opposite building face.

Construction was challenged by the close proximity of the General Hospital that was scheduled to be demolished after South Complex was constructed. This proximity did not allow for the construction of the exterior portion of the bisecting walls or the front entry canopy until the old hospital was demolished.



Project Name: South Terwillegar - Entrance Features
Location: Edmonton
Owner: South Terwillegar Developments
Architect: Stantec Consulting Ltd. - Urban Land
Engineer: Stantec Consulting Ltd.
General Contractor: Scorpio Masonry (Northern) Inc.
Masonry Contractor: Scorpio Masonry (Northern) Inc.
Masonry Suppliers: H.O. Concrete Supplies

Most often neighborhood entry features in the Edmonton area use stone and brick in very traditional ways. This entrance feature breaks tradition by combining a dramatic sculptural metal component with the traditional beauty of masonry.

The result was the creation of an exciting feature that contrasts a textured stone masonry wall with a large, smooth, curved copper panel. Flanking horizontal masonry walls and panels constructed from architectural split face block help finish the look which is refreshingly clean and simple; form and function are one.





Project Name: Summit Point Residence
Location: Edmonton
Owner: Martin and Sarah Gouin
Architect: Prime Consultant
Architect of Record: Bennett Architecture Inc.
Design Architect: Wimberly Allison Tong and Goo
Engineer: Aedis Consulting Ltd.
General Contractor: Rescom Inc.
Masonry Contractor: Gracom Masonry
Masonry Suppliers: Manstar Distributors Ltd.

The Summit Point Residence is located on a spectacular west Edmonton site overlooking long views of the North Saskatchewan River Valley.

Traditional stone masonry is used both as an exterior cladding material and as the dominant interior feature of the design through inclusion of a two storey high serpentine interior masonry wall that visually delineates all the major spaces of the home.

The stone was carefully chosen for both its durability and aesthetic appeal, with care given by the masons as to selection of the individual stones for colour and size. The result is an exceptionally pleasing blend that has consistent uniformity and variety wherever it is found in the home, both inside or out.

Project Name: The Versailles
Location: St. Albert
Owner: Condominium Corporation #032-5345
Architect: DiGiuseppe Interior Design Ltd.
Engineer: Glacier Developments Inc.
General Contractor: Glacier Developments Inc.
Masonry Contractor: Scorpio Masonry (Northern) Inc.
Masonry Suppliers: I-XL Masonry Supplies Ltd.

The Versailles - A beautifully designed luxury condominium project located adjacent to the city's clock tower. Graciously endowed with large expanses of grey hand moulded, burnt clay brick, featuring white windows tastefully surrounded by black hand moulded brick, placed on end across the top of each window, with a single centred charcoal grey, magnum,

keystone. Accent granite columns were thoughtfully placed at the entrance to further offset the grey and black brick. Centred concrete areas on each face provide textural contrast and further visual interest. The striking appearance of the eye-catching natural colours creates a dramatic depth perspective and very distinctive streetscape. Its visual pleasure is a welcome relief from the sea of neighboring red masonry, satisfying the visual challenges in designing this project.



Project Name: Wing Kei Care Centre
Location: Calgary
Owner: Chinese Christian Wing Kei Nursing Association
Architect: IBI Group
Engineer: HMS Engineering
General Contractor: Bird Construction Ltd.
Masonry Contractor: Thibeault Masonry Ltd.
Masonry Suppliers: I-XL Masonry Supplies Ltd., Manstar Distributors

Building was designed to beautify the centre street architecture. Brick and Tyndall Stone exterior veneer, with a glass block feature curved wall. This building demonstrates the beauty of combining masonry materials.

Project Name: Whyte Avenue Redevelopment
Location: Edmonton
Owner: MNJ Investments
Architect: Cohos Evamy
Engineer: Cohos Evamy
General Contractor: Clark Builders
Masonry Contractor: Scorpio Masonry (Northern) Inc.
Masonry Suppliers: I-XL Masonry Supplies Ltd.

This project was designed after the unfortunate fire in March of 2003 that destroyed the landmark building on the corner of Calgary Trail and Whyte Avenue. The goal was to achieve a historical look to the building while trying to achieve the eclectic theme that is synonymous with Whyte Avenue.

Some of the challenges faced were coming up with a design that satisfied all stakeholders including the parking requirements. The masonry component on the building is a combination of colours, patterns, and layouts to match the period in which the original building was constructed. The west entrance to the building features salvaged brick units from the existing building to help maintain the historical theme. The combination was successful in terms of colour because of the hardiplank siding breaking up the areas from the east portion of the building to the west.



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Project Name: Centennial High School
Location: Calgary
Owner: Calgary Board of Education
Architect: Cohos Evamy
Engineer: Cohos Evamy
General Contractor: Stuart Olson Construction Ltd.
Masonry Contractor: Gracom Masonry
Masonry Suppliers: I-XL Masonry Supplies Ltd.

The Calgary Board of Education Centennial High School is located in the South Calgary Community of Sundance. 1800 students are accommodated in 15,000m² on two levels. Three Classroom wings are oriented to the South defined by landscaped courtyards. CTS Academies are located along the North edge of the Street providing address to all significant functions. Light pours in to the internal street from the South facing Courtyards and indirect North light informs the Information Commons, Computer Labs and Art rooms. The notion of a "red brick schoolhouse" is employed as a device to humanize a large urban High School. Exterior materials (brick, coloured concrete block and corrugated metal) wrap to the interior to provide a strong connection from inside to out. The curtain wall clad circulation spine acts as an internal Street and brings focus to the centrally located student gathering area and second floor Information Commons. Generally speaking, highly durable materials (clay brick and concrete block) are located where they are closest to student traffic. Clear coated birch panels help soften the pallet and signify portals and entryways.

AWARD OF EXCELLENCE



Project Name: Dene Tha' Community School
Location: Chateh
Owner: Dene Tha' First Nation
Architect: The Workun Garrick Partnership Architecture and Interior Design Inc.
Engineer: Protostatix Engineering Consultant Inc.
General Contractor: Jen-Col Construction Ltd.
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In elevation, the building is highlighted by the "drum" above the cultural centre and cut away roof lines which lift up to resemble a bird in flight. The school's roof symbolizes the wings of an abstracted crow.

AWARD OF MERIT



Project Name: Cappuccino King
Location: Calgary
Owner: V & M Izzo Holdings Ltd.
Architect: Tokar & Associates
Engineer: Lisella Rowe & Associates Inc.
General Contractor: V & M Izzo Holdings Ltd.
Masonry Contractor: Pockar Masonry Ltd.
Masonry Suppliers: CCI Industries Ltd.

This compact business home of the legendary "Cappuccino King" was built next door to its original location which has been a landmark in Calgary for many years. The structure was built with standard concrete block and a combination of Medium Buff Splitface Standard block, ledge block and chamfer block for the sills to create an interesting European

flair to the building. It was important to have as little maintenance as possible and the coloured block offered an excellent choice.

Project Name: Elbow River Casino
Location: Calgary
Owner: Elbow River Holdings Inc.
Architect: BCMP Architects
Engineer: Wiebe Forest Engineering
General Contractor: Ledcor Construction
Masonry Contractor: Thibeault Masonry Ltd.
Masonry Suppliers: I-XL Masonry Supplies Ltd.

Designed to enhance the streetscape of downtown Calgary. This casino features the use of Artistic Corbelling, Gothic Arches, Row Lock, Row lock cants. Extremely difficult to build.



Project Name: First Baptist Church Expansion
Location: Lethbridge
Owner: First Baptist Church
Architect: Alvin Reinhard Fritz Architect Inc.
Engineer: BCB Engineering Ltd.
General Contractor: Venture Holdings Ltd.
Masonry Contractor: Gunthor Masonry
Masonry Suppliers: I-XL Masonry Supplies Ltd.

First Baptist Church had a vision to provide adequate functional space to their existing facility in order to accommodate the growing needs of its congregation. The 54 year old building, being one of many historical structures in Lethbridge, still captures the viewer's eye with its distinctive tower design.

The primary design goal of the expansion at First Baptist Church was to meet the architectural and functional programmatic requirements of the church while still honoring the historical design of the existing facility. The expansion was relatively small in comparison to the existing structure and as such it was felt that the best philosophical approach would be to match the expansion so closely, to the existing form and character and finishes, that the expansion would be transparent when experiencing the architecture.

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Location: Calgary
Owner: Calgary Roman Catholic Separate School Board
Architect: Ron Boruk Architect Ltd.
Engineer: Hemisphere Engineering Inc.
General Contractor: Lear Construction Management Ltd.
Masonry Contractor: Thibeault Masonry Ltd.
Masonry Suppliers: I-XL Masonry Supplies Ltd., Steels Industrial Products, CCI Edcon

This project was the first Calgary Catholic School completely designed using load bearing block throughout. The unique design of the exterior is comprised of the reclaimed of 1909 sandstone from the original St. Mary's School, in

combination with new brick and Ariscraft Stone accent bands to match sandstone. The truly unique design is a masterpiece fitting beautifully of the old architecture in the area.



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Project Name: Railway and 10th
Location: Canmore
Owner: Neil D Tanner Properties
Architect: E. J. Darch Architect Ltd.
Engineer: LEW Engineering Ltd.
General Contractor: KW Hines Contracting Ltd.
Masonry Contractor: Pockar Masonry Ltd.
Masonry Suppliers: CCI Industries Ltd.

The project is mixed use, with commercial on the ground floor, office on the second floor and a tourist home on the third floor. The third floor is turned at an angle to the floors below to orientate the view from the main living area to the Three Sister Mountains and along the Railway Street side to the sheer face of Rundle Mountain.

The stone chosen is a random pattern gray granite, which when viewed at a distance closely matches the stone of the surrounding mountains. Reflecting on the massing of the mountains one often sees landscaped crevices, which climb up the face at the tree line. On the two street sides of this project this thought has been incorporated into the facade with substantial planters at each level. In addition to the gray of the stone, the colour scheme uses a gray tile roof and green window frames with a strong flash of orange recalling the autumn colours of deciduous trees.

Project Name: St. Patrick's Fine Arts Elementary School
Location: Lethbridge
Owner: Holy Spirit Regional School Division
Architect: Ferrari Westwood Architects
Engineer: MPE Engineering
General Contractor: Dawson Wallace Construction
Masonry Contractor: Sas-Can Masonry Ltd.
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