

20  
19 | Alberta Masonry  
Design  
Awards



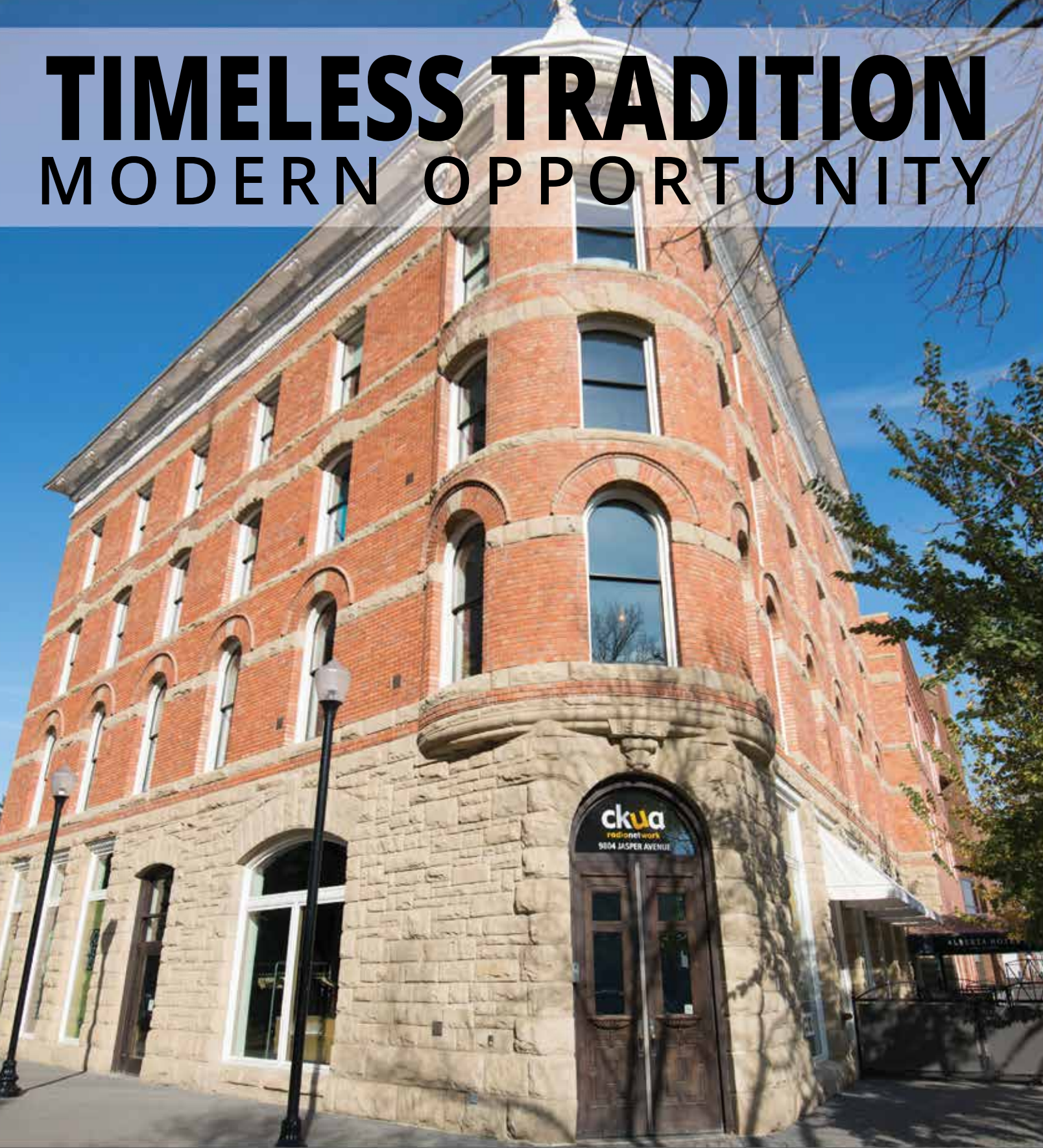
2019  
Alberta  
Masonry  
Design  
Awards



MASONRY

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**ON THE COVER:**

**THE ALBERTA HOTEL**

**2015 Alberta Masonry Design Awards Presidential Winner**

The Alberta Hotel was built in 1903, but demolished in 1984 to make way for the construction of Canada Place. The original bricks and sandstone from the hotel were marked with painted numbers then tagged for reassembly. Bricks and sandstone from the nearby Rothesay Apartments were also salvaged and stored for 25 years. In 2009, Five Oaks Inc. and Dub Architects proposed to reconstruct the Alberta Hotel and the Rothesay facades approximately twenty feet west of the original hotel location.

Reconstruction of the masonry was a difficult task as

most of the numbers tagging the sandstone pieces had fallen off over time. Also, the sandstone had been stored flat rather than on edge and water erosion had destroyed some of the stone faces. To solve the problem, all stone was laid out and puzzled together on the floor of a large rented warehouse. Grout colour and joint treatment required experimentation so that the original character was achieved. Initials and names carved into the stone over time were carefully protected and retained. The eastern half of the facade along Jasper Avenue was faithfully reconstructed using new brick similar in colour to the original brick. The original cantilevered brick cornice at the top of this portion of the brick façade was studied and accurately reproduced. The original demolished building had wood-frame construction with small spaces on a mixture of levels. The new building was steel frame construction with clear span spaces.



## MESSAGE FROM THE CHAIR



Masonry is all around us but how many people actually notice it? Does it just exist on the buildings we walk or drive past every day or do we really “see” masonry? Do we know the difference between a block and a brick? Many people may answer these questions with a “no”, they did not notice if the building had masonry on it or, “no”, they do not know the difference between a block and a brick; and I would have been one of those people twenty-one years ago.

Before I joined this dynamic industry, I was a high school science teacher and I remember meeting my husband who told me he was a bricklayer and I had no idea what a bricklayer was. Has that ever changed for me in a big way! Now I can’t go anywhere without “seeing” masonry. It’s all around us and boy is it beautiful. I know previously I would sometimes notice a building and think it was beautiful but I did not know why that building was so beautiful. Now, however, I know the most beautiful buildings are such because of the masonry they have on them. Whether it’s brick, block, glass block or stone, the beauty in most buildings you notice comes from the masonry on it. After telling you this, you will start to notice the masonry on all of the buildings you thought were beautiful. You will “see” the masonry and understand how it gives each building its character, uniqueness, and beauty, as well as contributing to the history and heritage of the neighbourhood surrounding it.

As I travel with my family, I bring my love of masonry with me. I find myself taking photos of the brick ceiling in the restaurant in the Bahamas, the purple glass block shower in my room in Costa Rica or the fossils embedded in the stone on the church in St. Lucia. Today, I cannot help but notice the beauty of the buildings I walk or drive past but the difference now is that I now know the reason for its beauty is masonry. I hope you look at the beautiful buildings in this magazine and see for yourself the exquisiteness of these projects comes from masonry and that you continue to notice it in your daily life going forward. I also hope you advocate for the continued use of masonry on any projects you may be involved with in the future; since one thing this world can always use is more beauty!

**Danine McDougall, B.Sc., B.Ed.**

Chair – 2019 Alberta Masonry Design Awards

Chair – Alberta Masonry Council

## MESSAGE FROM ALBERTA MASONRY COUNCIL



From all of us at the Alberta Masonry Council (AMC), we thank you for your continued support of our Alberta Masonry Design Awards. This event began in 2007, and now, twelve years later, we are thrilled to see many of our original owners, designers and constructors still contributing

to the awards, in addition to many new participants. The 2019 Masonry Design Award has had the largest number of submissions entered to date – a total of 131 projects!

The Alberta Masonry Council is a not-for-profit association that was incorporated in 2011 by the supplier and installer members of the Masonry Contractors Association of Alberta to encourage the use of masonry in Alberta. Our mission is to improve the longevity of architecture in Alberta through the aesthetic and stable appeal of masonry design. We advance this initiative by promoting the use of masonry through education, marketing, and technical guidance.

The last four years have seen a flurry of activity for Alberta Masonry Council. Our Director of Marketing, Nicholle Miller, was hired in December 2016. The AMC has continued its promotion of masonry through lunch and learns, event

marketing, social media, lobbying, technical assistance and collaborations with the Architecture and Engineering Departments at various post-secondary institutions in Alberta. These collaborations with academia are aimed at keeping masonry fresh, innovative, exciting, and relevant in the continuously evolving construction industry.

Brick and stone are durable, appealing, easy to maintain and help buildings retain their value over time. They attenuate sound, won’t catch fire, offer a sense of prestige and create potential heritage value. Many of Alberta’s oldest surviving heritage buildings are made of stone and brick. A number of these buildings survive into the present day and continue to act as local landmarks, defining the character of their communities. These buildings have become important features in municipalities of all sizes throughout Alberta. Brick, block and stone are a part of Alberta’s heritage. They should also be a bigger part of Alberta’s future.

We are deeply grateful to the architects, engineers, designers, masons, and suppliers of masonry products in Alberta for their continued support of this remarkable and versatile building material!

Thank you,

Alberta Masonry Council

**Dr. Mark Hagel**

Executive Director

**Nicholle Miller**

Director, Marketing & Communications

# THE AMC PRESIDENTIAL AWARD GEORGIAN RESIDENCE



**Designer:** DeJong Design Associates Ltd.  
**General Contractor:** Waterford Homes Inc.  
**Masonry Contractor:** Stonehouse Masonry  
**Masonry Supplier:** Brock White Construction Materials  
**Engineer:** Cascade Engineering Group

Located in one of Calgary's oldest communities, the clients wanted a home reminiscent of Georgian architecture. Great lengths were taken in research and design to honour the characteristics and remain true to the era of the style. To truly reflect Georgian architecture, brick was cut as little as possible to resemble the craftsmanship when masonry saws were not commonplace. Heavily influenced by Calgary's historical buildings, the selection of brick colour, bond and use of stone trim were crucial to the design and important to meet the era's design standards. Sandstone was selected to complement the orange-red colour of the brick and styled to suit design elements that would have traditionally been seen, including the entryway, various accents pieces, and stone bands.

# ***YOUR VISION*** *DESERVES* **LIMESTONE**

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## AWARD OF EXCELLENCE



## REAL TIME CONTROL BUILDING

Owner: City of Edmonton  
 Designer: gh3 Architects  
 General Contractor: Maple Reinders  
 Masonry Contractor: Scorpio Masonry (Northern) Inc.  
 Masonry Supplier: I-XL Building Products

The Real Time Control Building #3 is part of the city of Edmonton's expanded urban ecosystem strategy and is a vital component in the assessment and reduction of untreated runoff and sewage flowing into the North Saskatchewan River. On-site the cylindrical glass pavilion appears as a continuous form extruded from the shaft enclosure beneath the surface. The RTC#3 realizes an integrated approach to the design of the architectural enclosure, programme, and site strategy: it makes immediately legible the connections between the above- and below-ground functions, while at the urban level, the RTC#3 signals its component-like function within a complexly networked water infrastructure system.

AWARD OF  
MERITAGA KHAN GARDEN,  
UNIVERSITY OF ALBERTA  
BOTANIC GARDEN

Owner: Governors of the University of Alberta  
 Designer: Nelson Byrd Woltz Landscape Architects  
 General Contractor: Clark Builders  
 Masonry Contractor: Scorpio Masonry (Northern) Inc.  
 Masonry Supplier: A. Lacroix Granit

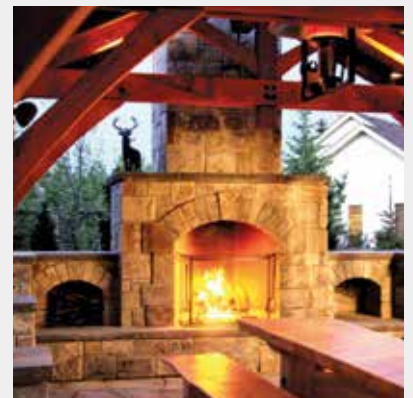


This garden is a contemporary interpretation of the landscape traditions of Mughal India, adapted to the plants, climate, and culture of Alberta. The design required extensive masonry structures to create the garden beds, walks, terraces, and open pavilions. The featured Canadian granite and limestone are deployed through both traditional patterns and modern detailing. The design required rigorous attention to quality installation

and precise installation. In addition to the extensive paving and walls, there are multiple garden features, fountains, and special moments where skilled fabrication and installation of stone elements were required. The result is a truly unique garden unlike any other in North America and one that celebrates the qualities of Canadian stone and masonry craft in Alberta.

HONOURABLE  
MENTIONCRANSTON OUTDOOR  
LIVING SPACE

Owner: Caroline Proulx  
 General Contractor: LMent Stone  
 Masonry Contractor: LMent Stone  
 Masonry Suppliers: Brock White Construction Materials, K2 Stone (Calgary) Inc. and Rocky Mountain Stone Supply



The client wanted the feel of a mountain escape in the city which was delivered by using natural Montana stone. This outdoor living area included a natural stone fireplace, outdoor kitchen, privacy wall, and pillars. All concrete pads, piles, CMU structure and stone were completed under our scope. The wood burning fireplace features a 48-inch firebox. The fireplace features a 20-foot-high chimney stack, and the kitchen has a 20-foot-long

counter with built-in barbecue, smoker, fridge, waste removal, and storage drawers. Traditional methods were used to construct the three stone arches over the firebox and log storage areas.

## ARTISTIC USE OF MASONRY

**1120 PROSPECT AVE**

Designer: Maillot Homes  
 General Contractor: Maillot Homes  
 Masonry Contractor: Hammer Masonry  
 Masonry Supplier: Brock White Construction Materials  
 Engineer: Bravura Engineering

This elite custom home utilized local full bed depth Rundle stone paired with Tyndall stone accents. To get a solid clean look, six custom Tyndall stone pillars were used to structurally support the front and rear entrance roofs. The entire railing surrounding the front balcony was crafted from Tyndall. Every stone on this house was hand pitched and provides contemporary features on a colonial style home.

**620 CRESCENT ROAD**

General Contractor: Maillot Homes  
 Masonry Contractor: Hammer Masonry  
 Masonry Supplier: Brock White Construction Materials  
 Engineer: Bravura Engineering

This Georgian style home integrates traditional brick with limestone accents. The raven black brick combined with white snowflake mortar provides a fresh take on a classic architectural style. The design also includes structural limestone headers and sills on all of the windows, along with a unique limestone arch that was designed as a highlight feature of the front entrance portico.

**ATCO PARK WATER FEATURE  
CAMPUS GROUNDS**

Owner: ATCO  
 Designer: O2 Planning  
 General Contractor: CANA Group of Companies  
 Masonry Contractor: Gordon White Masonry  
 Masonry Supplier: Brock White Construction Materials

The waterfall was built from large sandstone erratic boulders that were unearthed from the site when excavating the underground parkade. If needed, the stones were split down or dressed for the spill area. The largest stone, which is on the bottom right hand side, scaled on the crane at 22,500 pounds. The stones for the waterfall were laid masonry style to keep smaller stones in place and stabilized for human traffic. The waterfall has a flow of 18,000 gallons per hour but can be throttled back for lower volumes. On some of the larger stones, only a third of the rock is visible because they are sunken down and backfilled.

**BOLD CENTRE DONOR WALL**

Owner: County of Lac La Biche  
 Designer: Rachel Curry  
 General Contractor: Clark Builders  
 Masonry Contractor: Marcon Masonry Ltd.  
 Masonry Supplier: Brock White Construction Materials

The Bold Centre Lac La Biche is a true gathering place for those living and working in the area. Featuring both indoor and outdoor facilities with an addition of a library and school adjoining the recreation part of the building. The walls had to be durable and beautiful and the use of stone masonry allowed for a long-lasting material which allowed for the use of all age ranges.



**CANADA 150 SCULPTURE – SENTINEL**

**Owner:** Alberta Foundation of the Arts (AFA)  
**Designer:** Sandra Bromley Studio  
**Masonry Contractor:** Scorpio Masonry (Northern) Inc.  
**Masonry Suppliers:** Rundle Rock Building Stone and Kamenka Quarry  
**Engineer:** Williams Engineering Canada

The art commission is themed on Canada 150. Canada is especially blessed, it is land massive and geologically rich. The stack up of different rock types is meant to convey the idea of a sedimentary landscape, human-scape, and diversity. It is made with rock that represents all Canadian regions, from north to south, and east to west. The stone's durability and beauty makes it one of the best materials for outdoor public art and is perfectly matched to the commission theme. The stone is sourced from quarries, collectors, and individuals. Using a standard stone cladding approach, a public artwork was created on a site with weight restrictions. The stone was installed to give the appearance of solid slabs of stacked stone, creating an illusion of solidity and weight.

**CENTENNIAL PLAZA**

**Owner:** Alberta Infrastructure  
**Masonry Contractors:** Centennial Plaza Joint Venture Inc., a joint venture of Scorpio Masonry (Northern) Inc. and Terramex  
**Masonry Supplier:** A. Lacroix Granit

Masonry on the Centennial Plaza Project included the use of Atlantic grey granite and Tyndall Stone. 77,300 square feet of 75mm thick flamed finish granite pavers were installed over a sand setting bed with caulked joints to the fountain areas and polymeric sand joints for the balance of the plaza. The pavers have continuous joints running north and south throughout, which had to be kept in near

perfect alignment as any deviation would be immediately apparent. In addition to the granite pavers, 500 lineal feet of granite stair treads and 86 granite benches were installed throughout the plaza, some having Canadian geographical zones engraved into the face. The project also features 50mm thick granite-clad walls throughout, two at the feature stair with the Alberta Coat of Arms.

Tyndall Stone was used for 50mm thick retaining wall cladding with Tyndall Stone caps and for 65 Tyndall Stone benches with a scabbled finish to the four faces located throughout the plaza.

**CERTIFIED BUSINESS CENTRE – BUILDING 1**

**Owner:** Certified Tracking Solutions  
**Designer:** DIALOG  
**General Contractor:** Dawson Wallace  
**Masonry Contractor:** K. Hansen Masonry  
**Masonry Supplier:** Cast Supply  
**Engineer:** DIALOG

Building One at the Certified Business Centre is a multi-tenant building that sits on a 4.3 acre site on Savaryn Drive in the south-west Edmonton community of Summerside. The exterior design of the building responds to the horizontality and linearity of our prairie landscape while providing a robust palette of overlapping and interlocking materials for visual interest. The interior layout of the space provides a dramatic and welcoming two-storey reception atrium that leads to the surrounding showroom, boardrooms, and open office area. Special attention was paid in the design of the staff lunch area, to create a comfortable and relaxed space for social interaction.

**EDMONTON BREWERY DISTRICT**

**Owner:** First Capital Realty  
**Designer:** DIALOG  
**General Contractor:** Synergy  
**Masonry Contractor:** Scorpio Masonry (Northern) Inc.  
**Masonry Supplier:** Cast Supply

Edmonton Brewery District has redeveloped the commercial lands fronting on 104<sup>th</sup> Avenue in the downtown community of Oliver. The project includes the adaptive re-use of the 1913 Molson Brewery Building as well as the 1924 Administration Building. This mixed-use, pedestrian-oriented development brings renewed vitality and amenity to this significant semi-urban location through the provision of new retail and commercial

office uses, while strengthening important links through the site to surrounding communities. The architectural language of the new construction takes its cues from the historic buildings emulating the red brick material palette, and rhythm and scale of massing. The development has merged a contemporary black brick and neutral stucco into the historic red brick aesthetic to give the appearance that it was built over time.

## GEORGIAN RESIDENCE

**Designer:** DeJong Design Associates Ltd.  
**General Contractor:** Waterford Homes Inc.  
**Masonry Contractor:** Stonehouse Masonry  
**Masonry Supplier:** Brock White Construction Materials  
**Engineer:** Cascade Engineering Group

Located in one of Calgary's oldest communities, the clients wanted a home reminiscent of Georgian architecture. Great lengths were taken in research and design to honour the characteristics and remain true to the era of the style. To truly reflect Georgian architecture, brick was cut as little as possible to resemble the craftsmanship when masonry saws were not commonplace. Heavily influenced by Calgary's historical buildings, the selection of brick colour, bond and use of stone trim were crucial to the design and important to meet the era's design standards. Sandstone was selected to complement the orange-red colour of the brick and styled to suit design elements that would have traditionally been seen, including the entryway, various accents pieces, and stone bands.



## GRAPHITE RESIDENCE

**Designer:** DeJong Design Associates Ltd.  
**General Contractor:** Insignia Custom Homes  
**Masonry Contractor:** Absolute Masonry  
**Masonry Supplier:** Cast Supply  
**Engineer:** Bravura Engineering

To protect the privacy of the clients, while allowing a connection to the exterior, we used perforated brick walls as screens to filter the view to and from this art deco style home. In addition to privacy, visual protection was important given the main floor's proximity to grade. The buttressing walls help provide a sense of inside/outside living, and the perforated portions provide natural lighting. To accentuate the contemporary style, a twelve-inch brick with one-third to two-thirds bond was employed. The natural stone elements act as brick caps and are located atop the screen and brick walls and fireplace notably.

## GRIESBACH PPCLI MEMORIAL

**Owner:** Princess Patricia's Canadian Light Infantry Association  
**Designer:** IBI Group  
**General Contractor:** Scorpio Masonry (Northern) Inc.  
**Masonry Contractor:** Scorpio Masonry (Northern) Inc.  
**Masonry Supplier:** A. Lacroix Granit

Scorpio Masonry contributed to IBI's design of this project. The project is one that several employees hold close as some have family members currently serving with, or have been lost serving with the PPCLI. The main central circular component of the project was designed to replicate one that was constructed in Frezenburg, France honouring

Canada's service in the 2nd battle of Ypres that took place on May 8, 1915.

The Griesbach Memorial has granite which includes radius pieces for the stairs leading up to the memorial, granite paving at the top of the stairs around the memorial and radiused granite cladding and copings to the memorial, which has a brass domed cap with the PPCLI logo incorporated. The project also involved the supply and install of 22 granite pedestals for the install of brass battle honour ribbons, and the supply and install of two main granite walls with brass plaques for each campaign the PPCLI fought in, with the names of all lost in each campaign listed on the plaques.



## JOUSSARD MASONRY HEATER

**Designer:** Fiddlerock Masonry  
**Masonry Contractor:** Fiddlerock Masonry  
**Masonry Supplier:** Brock White Construction Materials

This masonry heater is designed to be the primary source of heat in a cabin on the shores of Lesser Slave Lake. White oven incorporated for cleaner cooking with a silicon carbide and soapstone layered floor for quicker oven heat-up. Finnish contraflow design allows the house to be heated with only one or two fires per day with a maximum output of 28,000 BTU/hr of steady radiated heat. A mix of tumbled brick and split fieldstone were used to give the heater an old farmhouse type feel.

## LEGION 1918 TAP & TABLE RESTAURANT

Designer: pop design group Inc.  
Masonry Contractor: Cornerstone Masonry  
Masonry Supplier: I-XL Building Products

We at pop design group inc. designed Legion 1918 with the intention of this local pub to be casual, comfortable and rustic in nature. We felt a beautiful brick wall was the perfect feature behind the bar to showcase the height and emphasize the volume of the room. We love the texture and colour of brick and felt it was the perfect choice to complement our selection of woods and metals. We wanted to create the feeling that the brick has been there for a long time and loved the idea of its durability and longevity.



## M5 RAFTER RANCH STONE COLUMNS ON BARN

Designer: Gordon White Masonry

These two stone columns were built so they appeared to be supporting the pergola columns off the side of a century-old barn. In actuality, there are steel columns supporting the pergola because of the extremely high winds that come off the easterly slopes of the Kananaskis mountains. The masonry and the steel had to be separated because it would not have taken long for the vibration to have been detrimental to the integrity of the overall engineering structure. The skeleton was built using bricks full bed to create the rough in shapes of the columns

leaving a 2-inch buffer. This stone was harvested from the ranch. The stones were dressed on the back to follow the shape of the columns. They were laid so the natural lichen facing could be enjoyed, keeping each in their original grouping.

## MOUNT ROYAL ADDITION AND CUSTOM GARDEN WALLS

Owner: W. Brett Wilson  
General Contractor: Rockwood Custom Homes  
Masonry Contractor: LMent Stone Ltd.  
Masonry Supplier: Brock White Construction Materials

This project began as an addition to a red brick home with a sandstone foundation that was built in 1909. To preserve the integrity of the original architecture, reclaimed sandstone and a very closely-matched red brick were used to unify the elements together. The project scope grew into completing a series of rounded and straight garden walls throughout the backyard, as well as some minor foundation restoration. Three hand-carved sandstone date stones and branded bricks are evident within the walls. A total of 18,000 bricks, 400 custom concrete caps and several tons of reclaimed sandstone were used to showcase the beautiful elegance of the project.



## PRAIRIE STYLE RESIDENCE

Designer: DeJong Design Associates Ltd.  
General Contractor: Rawlyk Developments  
Masonry Contractor: Rocky Mountain Masonry  
Masonry Suppliers: Brock White Construction Materials and I-XL Building Products  
Engineer: Cascade Engineering Group

Located in a community developed in the late '50s, it was important to design a home that would pay homage to the architectural vernacular and not feel intrusive. When decisions were made on exterior finishing, it was brought to the client's attention that brick masonry provides

excellent rain screen construction qualities, and how well suited it is for our climate here in Alberta. After this discussion, there was never an option that the house would be clad with anything but brick. A twelve-inch brick was used to give the home a contemporary feel and also pay tribute to the prairie style that influenced the design language of the neighbourhood. Utilizing a one-third bond allows the home to feel long and linear. Manitoba Tyndall Stone was used for the caps and trim work, chosen to perfectly complement the colour of brick used and for its prominent use in Alberta's government buildings.

### PRIVATE RESIDENCE #1

Designer: Adorn Masonry Ltd. and Owner  
 Masonry Contractor: Adorn Masonry Ltd.  
 Masonry Supplier: Proform Construction Products

The natural stream stone flats were split, and corners cut on site to make a thin stone veneer. There are three full-size stones used as corbels to support the mantel. The mortar was darkened with a black colour to deepen the contrast between stone and mortar. The hearth is granite that matches the counter tops. The wood mantel extends 11" from the stone work. The fireplace is an RSF Delta, that is installed in an 8" concrete block chase, from the bottom of the hearth to the top of the chimney. The wood

doors inside hide the wood box that has an exterior door that is used to load the firewood. The concrete blocks are filled with zonolite and are insulated on the exterior with 2" styrofoam. The exterior door was custom made insulated and covered with stone. The chimney chase was capped with chocolate hearth stones that were used to match the colour of the brown metal roof.



### PRIVATE RESIDENCE #3

Designer: AV Architecture Ltd.  
 General Contractor: CANA Group of Companies  
 Masonry Contractor: Pockar Masonry Ltd.  
 Masonry Supplier: Thunderstone Quarries  
 Engineer: MMP Structural Engineering Ltd.

This Tudor style home commands attention due to its harmonious use of heavy timber, precast concrete, limestone, and Rundlestone. The warm colour of the timber offsets the grey hue of the stone. The rustic texture and random pattern of the stone contrast the precisely crafted finish of the precast and limestone sills and arches. Rundlestone was chosen because it could be locally

sourced and, due to its versatility, could create a strong connection to the landscape. It was used as full bed cladding on the house, retaining walls and interior wood burning fireplaces, as veneer cladding on gas fireplaces and chimneys and in boulder form in the landscape. While used as a base material rooting the wings of the house, Rundlestone creates a crescendo effect when used as the primary cladding on the canted walls of the entry portecochère and the rear central gable.

### ROYAL ALBERTA MUSEUM MOSAICS

Owner: Government of Alberta  
 Designer: DIALOG  
 General Contractor: Ledcor Design-Build (AB) Inc.  
 Masonry Contractor: Scorpio Masonry (Northern) Inc.  
 Engineer: DIALOG

The Royal Alberta Museum is one of Canada's leading museums of human and natural history. Located in downtown Edmonton's Arts District, the museum collects, preserves, researches, interprets and exhibits specimens and objects related to the heritage of Alberta's people and natural environment.

Masonry played an important role in celebrating the history of the museum's downtown site. Where the museum now stands, the former main post office exterior featured nine mosaic murals by Ernestine Tahedl, commissioned by the federal government in 1966. The mosaics were carefully deconstructed and catalogued in 2012 to be incorporated into the new project. They were restored, reframed, and reinstalled in nearly the same place, as part of a pedestrian boulevard and courtyard cafe.



### SEGUIN/BERTRAND FOUR-SIDED FIREPLACE

Owners: Ronald J (Jack) Seguin and Diane Bertrand  
 Designer: Marcon Masonry Ltd. / Diane Bertrand  
 Masonry Contractor: Marcon Masonry Ltd.  
 Masonry Suppliers: Brock White Construction Materials and Scorpio Stone

The Seguin/Bertrand fireplace was designed to imitate the main fireplace in the Fairmont Le Chateau Montebello Hotel in Quebec but in a timber log home. The home features four individual, custom built, masonry fireplaces with cut Indiana limestone on the lower portion and Hunter stone, web pattern, on the upper section. The fireplace is approximately 30 feet high, has four arches in the upper stonework and a second upper band of cut Indiana limestone to match the original fireplace in Quebec. Fireplace doors were custom designed and made to fit each individual fireplace opening.

**SHAW COURT – NEW EXTERIOR STONE**

Owner: Shaw  
 Designer: DIALOG  
 General Contractor: Stuart Olson  
 Masonry Contractor: Pockar Masonry Ltd.  
 Masonry Supplier: Brock White Construction Materials  
 Engineer: DIALOG

This beautiful building was originally built in the 1990s for Shell Canada using Manitoba Tyndall Stone (the tower) so the natural choice for additional work (the lower three-storey area) for Shaw Communications would be the same great product. Although the stone itself is timeless, the new design reflects the creativity and strength of today's engineering and architecture.

**SILVERTIP ENTRANCE FEATURE**

Owner: Stone Creek Resorts Inc.  
 Designer: Jon Astolfi  
 General Contractor: PCL Construction  
 Masonry Contractor: Aussie Masonry Ltd.  
 Masonry Supplier: Thunderstone Quarries  
 Engineer: ISL Engineering and Land Services

As a precursor to a first-class resort targeting an international tourist market in the Bow Valley (Silvertip Village), expressing the uniqueness and grandeur of the Canadian Rocky Mountain landscape requires the selection of vernacular and indigenous materials. The architectural language of Silvertip builds on the time-

tested design patterns, sensibility, and beauty of traditional European hill towns originally brought to Canada through the inspiration of the great chateau-hotels of the Canadian Rockies. Silvertip will not only be one of the most memorable places, but more importantly will stand the test of time socially, environmentally, and economically.

Black Rundle stone was the choice of materials to capture these sentiments in an entry feature to Silvertip in two sculptural monuments over 14m in length and 3m high flanking the only entrance into the community. It is an indigenous product sourced from two quarries within 10km of the site. While being a low-maintenance material, it has stood the test of time in many projects that complement the majestic environmental context.

**SPRINGWOOD GARMIN**

Owner: Vantage Land Corporation  
 General Contractor: Scott Builders Inc.  
 Masonry Contractor: Aurora Masonry Ltd.  
 Masonry Suppliers: I-XL Building Products and Cast Supply

The use of recessed brickwork on this building adds depth to the look of the architecture. Stone bands create a break in the brick and match the banding on the entire building.

**THE GROVES OF VARSITY**

Owner: Statesman Group  
 Designer: Statesman Group  
 General Contractor: Statesman Group  
 Masonry Contractor: RPM Masonry  
 Masonry Supplier: I-XL Building Products  
 Engineer: NORR Architects Engineers Planners

The Groves of Varsity is a mixed-use residential development comprising five mid-rise steel and concrete buildings. The use of full-bed brick veneer at the development is characterized throughout the community as a strong, durable, and weather resistant exterior cladding. Brick in conjunction with exterior curtain wall

glazing allows for a continuous rain screen building envelope more commonly specified on commercial projects and not typically seen on residential developments. The advantage of this built-form is to ensure the exterior cladding will last a life-time as intended. The other added advantage of brick is the aesthetic appeal. The Groves of Varsity development is located in the prestigious Varsity Estates community of Calgary, Alberta and is recognized as one of Calgary's oldest and most-distinguished communities. Brick enriches the aesthetic appeal of the surrounding residences by complementing the historic and timeless characteristics of the product.

## ARTISTIC USE OF MASONRY

**TURTLE OVEN**

Masonry Contractor: Fiddlerock Masonry  
Masonry Supplier: Brock White Construction Materials and Cast Supply

This outdoor masonry oven exudes unique and practical features. The soldier course flat arch along with a segmental arch with a black keystone accentuate the wood storage and oven respectively. Black stone units were used to create a "turtle shell", capping the oven. Different coloured stone was used to create a dynamic look separating it from the brick.



The  
Advantages  
of Masonry



## Masonry is Versatile and Aesthetically Pleasing

Masonry is a timeless material and never goes out of fashion with an infinite number of possibilities for pattern and form. It has been the material of choice for castles and cathedrals, pyramids and great walls, schools and museums, hospitals and high-rises, bridges, roads, fences, and everything in between. Although it is often imitated (stamped concrete, stamped Exterior Insulating and Finish System (EIFS), stamped stucco and masonite), very few materials are as versatile as masonry and fewer still are as durable.

## AWARD OF EXCELLENCE



## EDMONTON BREWERY DISTRICT

Owner: First Capital Realty  
 Designer: DIALOG  
 General Contractor: Synergy  
 Masonry Contractor: Scorpio Masonry (Northern) Inc.  
 Masonry Supplier: Cast Supply

Edmonton Brewery District has redeveloped the commercial lands fronting on 104<sup>th</sup> Avenue in the downtown community of Oliver. The project includes the adaptive re-use of the 1913 Molson Brewery Building as well as the 1924 Administration Building. This mixed-use, pedestrian-oriented development brings renewed vitality and amenity to this significant semi-urban location through the provision of new retail and commercial office uses, while strengthening important links through the site to surrounding communities.

The architectural language of the new construction takes its cues from the historic buildings emulating the red brick material palette, and rhythm and scale of massing. The development has merged a contemporary black brick and neutral stucco into the historic red brick aesthetic to give the appearance that it was built over time.

AWARD OF  
MERIT

## THE MAYFAIR ON JASPER

Designer: Humphreys & Partners  
Architects, Canada Inc.  
 General Contractor: ITC Construction  
Group  
 Masonry Contractor: Scorpio Masonry  
(Northern) Inc.  
 Masonry Supplier: Brock White  
Construction Materials

The Mayfair Village North rests proudly at one of the busiest intersections on Jasper Avenue. The building's street-level facade consists of Tyndall Stone from Gillis Quarries. Large and small dimensional smooth stone and random length split face stone provide a beautiful architectural contrast to the Tyndall. The above- and below-grade parkade utilizes many concrete masonry units to ensure durability and longevity of the building's heavily-used areas.

HONOURABLE  
MENTIONCHIEF DAVID  
CROWCHILD BUILDING

Owner: Tsuut'ina Nation  
 Designer: Archiasmo Architectural  
Works Limited  
 General Contractor: Krawford  
Construction  
 Masonry Contractor: Bear Stone EX  
 Masonry Supplier: Expocrete  
 Engineer: Heath Engineering

The Chief David Crowchild Building is the first commercial building to be completed by Tsuut'ina Nation as part of a new commercial service strip, adjacent to the future West Calgary Ring Road. The salmon coloured split faced block with the use of a colourful triangular pattern reminiscent of the culture at the base of

the wall provides a unique architectural look to the commercial building. The new 6,000 square foot building accommodates the Tsuut'ina Gas Stop and White Eagle Native Crafts.

## 9TRIPLE8

Owner: HCI Ventures Ltd.  
 Designer: Architecture Arndt Tkalcic Bengert  
 General Contractor: Clark Builders  
 Masonry Contractor: Scorpio Masonry (Northern) Inc.  
 Masonry Supplier: Scorpio Stone

The 9Triple8 project involved the re-cladding of an existing building's podium level. Kodiak Brown and Newton Brown granite from Polycor were used to replace the existing pre-cast concrete cladding. The building was 3D scanned, and with this information, Scorpio Stone was able to manufacture the granite to suit the existing shell of the building. Custom-engineered anchorage systems were utilized throughout as the back-up assembly was largely unknown and varying. The contrast between the two colours of granite and change in depths created beautiful reveals that are quite aesthetically pleasing.



## ATCO PARK

Owner: ATCO  
 Designer: Gibbs Gage Architects  
 General Contractor: CANA Group of Companies  
 Masonry Contractor: Ib Jensen Masonry Ltd.  
 Masonry Supplier: Brock White Construction Materials  
 Engineer: MMP Engineering

The ATCO Park is a corporate campus of three office buildings and one commons/amenity building, rising from an inner-city industrial area into a park setting. This campus welcomes the community into its Commons Building, which houses the ATCO Blue Flame Kitchen, a Cafe, the Fitness Centre, and the Innovation Centre. The

campus is designed as an atypical suburban office complex with unique architectural features.

Taking great pride in being local, it was important to express the material and colour palette composing its vernacular. Incorporating locally-sourced materials of wood for its beauty and warmth; stone for its sense of stability and strength; and other textural materials that together create a sense of welcome, approachability and community.

## AUBURN BAY STATION

Owner: Brookfield Residential  
 Designer: NORR Architects Engineers Planners  
 General Contractor: Elan Construction  
 Masonry Contractor: Am-Can Masonry  
 Masonry Supplier: Brock White Construction Materials

This beautifully-designed and fantastically-arranged one-stop shop center boasts nine buildings and decorative features all with masonry elements. The manufactured stone provides a standout architectural detail to the buildings. Manufactured stone and precast architectural concrete masonry comprise the trellises, light fixtures, and cairns.



## CERTIFIED BUSINESS CENTRE – BUILDING 1

Owner: Certified Tracking Solutions  
 Designer: DIALOG  
 General Contractor: Dawson Wallace  
 Masonry Contractor: K. Hansen Masonry  
 Masonry Supplier: Cast Supply  
 Engineer: DIALOG

Building One at the Certified Business Centre is a multi-tenant building that sits on a 4.3 acre site on Savaryn Drive in the south-west Edmonton community of Summerside. The exterior design of the building responds to the horizontality and linearity of our prairie landscape while providing a robust palette of overlapping and interlocking materials for visual interest. The interior layout of the space provides a dramatic and welcoming two-storey reception atrium that leads to the surrounding showroom, boardrooms, and open office area. Special attention was paid in the design of the staff lunch area, to create a comfortable and relaxed space for social interaction.



**CHESTERMERE STATION**

Owner: Melcor Developments  
 Designer: DIALOG  
 General Contractor: Kor Alta Construction Ltd.  
 Masonry Contractor: Aurora Masonry Ltd.  
 Masonry Suppliers: I-XL Building Products and Lafarge  
 Engineer: Prostatix Engineering Consultants Inc.

Charcoal brick and charcoal grey split faced block stand out against the reddish tones of the stucco creating clean lines at the focal points of the buildings in the development.

**COCHRANE CRUS**

Designer: Hodgson Schilf Evans Architects Inc.  
 General Contractor: Kor Alta Construction Ltd.  
 Masonry Contractor: Aurora Masonry Ltd.  
 Masonry Suppliers: I-XL Building Products and Cast Supply

The use of graphite coloured brick on the base of each building provided the base for varying colours of brick above to stand out and be the focal point of each building. Clean lines were achieved with the brick to create modern architectural features on each section of the commercial building.

**CRAFT BEER MARKET SOUTHCENTRE MALL**

Owner: PJ L'Heureux  
 Designer: Mckinley Burkart  
 General Contractor: Create Construction Group Ltd.  
 Masonry Contractor: Aurora Masonry Ltd.  
 Masonry Supplier: I-XL Building Products  
 Engineer: Entuitive Corporation

The design was inspired by an attempt to pay tribute to long-lost historic landmarks and industry pioneers from Alberta's past, such as the legendary Calgary Brewing & Malting Company in Inglewood. The use of brick in the new CRAFT Beer Market became a paramount

and necessary building material to be used that would help reflect the character of the various emerging craft breweries to be supported by the venue and help tell their story. The masonry work is one of the exterior and interior showpieces to be celebrated in this project for the material's honesty of construction and integrity in the craftsmanship. The masonry and brickwork employed reinforces the warehouse aesthetic and helps to create a mix of beautiful rustic and industrial finishes, which add texture and depth to space, second to none for its durability and show of strength.

**DIAMOND LIQUOR**

Owner: Numbered Company  
 Designer: Axiom Architecture Inc.  
 General Contractor: Tricon Developments  
 Masonry Contractor: Westar Masonry  
 Masonry Suppliers: Brockwhite Construction Materials and Expo-Crete  
 Engineer: Cognidyn Engineering & Design

This commercial building features charcoal split-faced block at the base of the building, as well as a standout red brick architectural feature with banding throughout, providing a unique look.

## ENBRIDGE CENTRE

**Owner:** Kelly Ramsey Limited Partnership  
**Designer:** DIALOG  
**General Contractor:** Ledcor Design-Build (AB) Inc.  
**Masonry Contractor:** Scorpio Masonry (Northern) Inc.  
**Masonry Supplier:** Scorpio Stone

Enbridge Centre is a mixed-use project that blends historic architecture with modern design aesthetics to create a beautiful and engaging urban building. The project entails a four-storey masonry podium with commercial retail and 21-storey office tower above. Key elements include the historic masonry facade of the building, which was restored and recreated, the active retail frontage on the ground floor, and the accessibility of the site.

The original Ramsey and Kelly buildings suffered a major fire in 2009, leaving no choice but to rebuild completely. The design of the new Enbridge Centre incorporates the original east and south masonry facades, which were extensively documented through laser-survey and dismantled prior to construction. Damaged pieces of original stone and metal trims were recreated down to the finest detail and were incorporated into the rebuilt facades. The new Enbridge Centre restores the historic facade to its original state, prior to the fire. The building lobby was finished in a premiumgrade polished marble for a modern look that compliments the historic facade.



## GARY W. HARRIS CANADA GAMES CENTRE

**Owner:** Red Deer College  
**Designer:** Stantec Architecture Ltd.  
**General Contractor:** Clark Builders and Scott Builders Inc.  
**Masonry Contractor:** J.R. Masonry Western Ltd.  
**Masonry Suppliers:** Expocrete and Brock White Construction Materials  
**Engineer:** Stantec Consulting Ltd.

The Gary W. Harris Canada Games Centre located at the Red Deer College has many masonry products throughout the building. 10cm, 15cm, 20cm and 25cm Standard concrete block can be found in the ice arena, gymnasium

and change room areas. A 25cm acoustic block was used for an exterior sound blocking wall to help eliminate noise from the arena cooling systems. 10cm, 20cm and 25cm Terrazzo concrete block was used in the Great Hall to create an eye-catching feature elevator and feature washroom area. The exterior of the building comprises modular Coral Mutual Material brick that complements the existing Red Deer College campus buildings. Thin matching brick was used at locations where full bed brick was not able to be used.

## GHITTER BLOCK

**Owner:** Certus Developments Inc.  
**Designer:** Steven Ho Architecture / Nam Mitchell  
**General Contractor:** Meiga Development Corp.  
**Masonry Contractor:** Jackson Masonry Ltd.  
**Masonry Suppliers:** Brock White Construction Materials and Rocky Mountain Stone Supply  
**Engineer:** Brickhouse Structural Engineering Ltd.

The Ghitter Block Plaza building is a full masonry brick wrap using Waterton brick, a smooth Indiana limestone base, jambs, and headers. The brick runs in through the vestibule and wraps the exposed elevator shaft and stairwell to create a grand entrance with emphasis on masonry. The design of the Ghitter Block was inspired by the vintage charm of industrial age brick warehouses, barns, and industrial buildings. The beauty of adding industrial elements into a project is the ability to mix and match current contemporary styles with older inspired architectural details. The appeal of bringing back a design age that focused on manufacturing and the appreciation of real materials like steel and brick was a great way to bring style and authenticity to both the project and the community.



## GRIESBACH VILLAGE – BUILDINGS 1 & 2

**Owner:** Brentwood Developments  
**Designer:** DIALOG  
**General Contractor:** Chandos  
**Masonry Contractor:** Scorpio Masonry (Northern) Inc.  
**Masonry Supplier:** Cast Supply

Griesbach Village is a 6.5-acre multi-building retail site located at the corner of 97<sup>th</sup> Street and 137<sup>th</sup> Avenue in north Edmonton. The development is a mixed-use commercial centre that uses sustainable design features and provides a pedestrian-friendly environment for tenants, employees, and visitors to the area. An identifiable

architectural character has been established for the centre to keep a consistent image throughout the mix of uses. The theme is communicated through architectural detail, massing and colour palettes that emphasize a combination of heritage contemporary design with warm tones and accent colours at specific locations. The rich heritage of the surrounding neighbourhood is reflected with a custom red brick blend, paired with more contemporary materials like black brick, metal panel and cement board.

**HIGH RIVER BUILDING B**

Owner: Montrose LP  
 Designer: DIALOG  
 General Contractor: Eton West Construction  
 Masonry Contractor: Aurora Masonry Ltd.  
 Masonry Suppliers: I-XL Building Products and Proform Construction  
 Engineer: IRC McCavour Engineering Group

This project is unique in that it mixed two light brick colours together on one half of the building and then used a black brick on the other half. This gives the sense of it being two different buildings within a commercial retail unit. It also used a charcoal split-face block as a masonry base for the entire building. The pattern in the brick along with the soldiering and banding makes for stunning unique architectural features.

**J22 DEVELOPMENT**

Designer: DIALOG  
 General Contractor: Clark Builders  
 Masonry Contractor: Scorpio Masonry (Northern) Inc.  
 Masonry Supplier: Cast Supply

The masonry on this project included the supply and install of modular size Sioux City Badlands smooth brick to the main and second floor levels of the building. Incorporated as well at the grade level below the brick veneer was Continental Stone Precast.

**KINGSVIEW MARKET**

Owner: Melcore Developments Ltd.  
 Designer: DIALOG  
 General Contractor: Kor Alta Construction Ltd.  
 Masonry Contractor: Aurora Masonry Ltd.  
 Masonry Supplier: Lafarge  
 Engineer: Prostatix Engineering Consultants Inc.

Natural blast limestone of this size is normally a by-product of mining stone that is discarded but this commercial retail project found a way to reuse this by-product to create a beautiful accent to a split face block base of each building. It complements the block in a way that showcases the potential for re-using previously discarded materials.

**LACOMBE POLICE FACILITY**

Owner: City of Lacombe  
 Designer: Stephens Kozak ACI Architects and Planners  
 General Contractor: Chandos  
 Masonry Contractor: J.R. Masonry Western Ltd.  
 Masonry Suppliers: I-XL Building Products, Expocrete and Brock White Construction Materials  
 Engineer: BPTec Engineering Ltd.

The Lacombe Police Facility had a number of masonry features. Structural concrete block walls can be found in the garage area as well as the cell block locations. The concrete block throughout the cell block area was reinforced with a combination of rebar and concrete to help minimize the possibility of escape. The cells were built in a fashion that no sharp edges could cause harm to the incarcerated. Glass block was used throughout the cell area to help provide a day time light source. The exterior has a combination of clay Hebron brick, Expocrete Terrazzo veneer block and Shouldice architectural sills. This combination of timeless brick and new age terrazzo block created a beautiful new police facility in the small city of Lacombe.

### LACOMBE TOWNE CENTRE

Owner: Tavistock Properties Ltd.  
 Designer: Cognidyn Engineering & Design  
 General Contractor: Laebon Homes  
 Masonry Contractor: Westar Masonry  
 Masonry Supplier: Brock White Construction Materials  
 Engineer: Cognidyn Engineering & Design

The desire to use brick was intended to achieve a more 'heritage building' aesthetic with the older neighbouring buildings in downtown Lacombe. The current design was a derivative of a different building design option (involving residential apartment condos above general commercial spaces, totaling three storeys) we had completed for the site for the previous owners of the property that incorporated significant brick elements to blend in with the Flat Iron Building. The current owners saw that design rendering and wanted something similar in general style. The brick gives sound durability and good looks, and we are justifiably proud of the final results.



### MCDONALDS COOPERS

Owner: McDonalds  
 Designer: Reprise Architects LLC  
 General Contractor: Kor Alta Construction Ltd.  
 Masonry Contractor: Aurora Masonry Ltd.  
 Masonry Suppliers: Expocrete and Brock White Construction Materials

The masonry used on this building was Terrazzo block and Arriscraft stone. These materials have a smooth finish giving the building a sleek modern look.

### MOBIL 1 EXPRESS LUBE

Owner: Sanaco Properties Ltd.  
 Designer: Richards Consulting & Associates Ltd.  
 General Contractor: Sanaco Properties Ltd.  
 Masonry Contractor: Aurora Masonry Ltd.  
 Masonry Suppliers: Expocrete and Brock White Construction Materials  
 Engineer: Richards Consulting & Associates Ltd.

This commercial retail unit utilized load bearing split-face block in conjunction with manufactured stone seen at the base of the wall, which incorporates the structural with the architectural. In one step, a structural building that is aesthetically pleasing to the public and community around it is achieved.



### MS SCHIPPERS

Owner: MS Schippers  
 Designer: Axiom Architecture Inc.  
 General Contractor: Tricon Developments  
 Masonry Contractor: Westar Masonry  
 Masonry Suppliers: Brockwhite Construction Materials and Expo-Crete  
 Engineer: Grubb Engineering

This commercial retail building used the combination of stone masonry veneer and siding to foster an architectural look that invokes the feel of styles of the Albertan communities surrounding it. The stone masonry pillars at the entrance way add a dynamic component to the building.

## OUR PARENTS HOME

**Designer:** ATB Architecture  
**General Contractor:** ITC Residential AB I Inc.  
**Masonry Contractor:** Scorpio Masonry (Northern) Inc.  
**Masonry Supplier:** Cast Supply

Our Parents Home is a commercial retail and residential tower. The podium level is dedicated to retail units that cater to the aging tower tenants, which is comprising senior independent and assisted living. The building's intent was to create a place for seniors to be independent and have all the necessary amenities while still having assistance nearby, if required. A third level, enclosed rooftop patio was added adjacent to the tower late in the project and features brick columns and wing walls that tie

seamlessly into the exterior brick cladding. Completed in 2015, Our Parents Home was built replicating the masonry on the Beth Shalom Synagogue, which connects via a pedway to Our Parents Home. Our Parents Home utilized Hanson Sierra sandstone brick with soldier and header accent coursing, Indiana limestone banding/insets, as well as carved granite name plates for the major contributors.



## PEARL CONDO TOWER

**Owner:** Regency Developments  
**General Contractor:** Pagnotta Industries Inc.  
**Masonry Contractor:** Scorpio Masonry (Northern) Inc.  
**Masonry Supplier:** Scorpio Stone

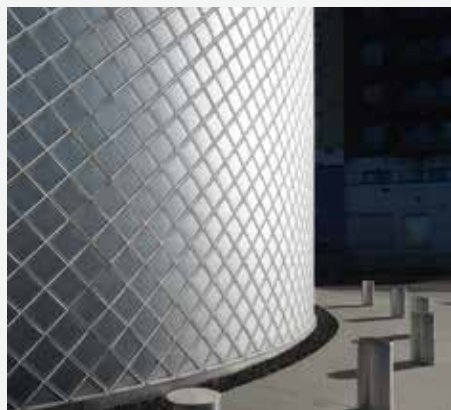
The Pearl Tower is the highest residential tower in the city of Edmonton. The podium level of The Pearl boasts flamed and polished Imperial red granite as well as Indiana limestone column bases and third level wing walls. The red granite adds a pop of colour against the neutral tones of the limestone. The project was modeled in a 3D digital environment, and each limestone and granite panel was custom cut to meet project requirements.

## PLAZA 1319

**Owner:** PH Design Ltd.  
**Designer:** PH Design Ltd.  
**General Contractor:** PH Design Ltd.  
**Masonry Contractor:** Aurora Masonry Ltd.  
**Masonry Supplier:** Proform Construction Products

The building was to be a very mixed-use structure incorporating residential, office, commercial and, of course, parking. In addition to these design requirements, the City of Calgary planning department required that it incorporate an urban look and feel. Also, the owners wanted to head in the low carbon footprint direction, while not getting fully immersed. Many elements were explored such as large amounts of glass, terracing, and

stepping to name a few. Once the structure developed far enough to incorporate most of the client's functional needs, it was time to delve into the exterior look to create a building that was architecturally-pleasing, cost-effective and urban in nature. Stone was found to be the best solution to add luxury and old world charm and yet its timeless nature lent to its ability to smoothly fit into the urban environment requirement. The solution, as it sits today, involved using large columnar stone anchors and heavy wooden exterior truss elements with a cascading elevational flow to deliver a richness and sophistication for the future that portrays evidence of a past.



## REAL TIME CONTROL BUILDING

**Owner:** City of Edmonton  
**Designer:** gh3 Architects  
**General Contractor:** Maple Reinders  
**Masonry Contractor:** Scorpio Masonry (Northern) Inc.  
**Masonry Supplier:** I-XL Building Products

The Real Time Control Building #3 is part of the city of Edmonton's expanded urban ecosystem strategy and is a vital component in the assessment and reduction of untreated runoff and sewage flowing into the North Saskatchewan River. On-site the cylindrical glass pavilion appears as a continuous form extruded from the shaft enclosure beneath the surface. The RTC#3 realizes an integrated approach to the design of the architectural enclosure, programme, and site strategy: it makes immediately legible the connections between the above- and below-ground functions, while at the urban level, the RTC#3 signals its component-like function within a complexly networked water infrastructure system.

## RITCHIE MARKET

Owner: GPZ RCA Investments Corp.  
 Designer: Group2 Architecture Interior Design Ltd.  
 General Contractor: Carlson Construction Ltd.  
 Masonry Contractor: Scorpio Masonry (Northern) Inc.  
 Masonry Supplier: Cast Supply  
 Engineer: Fast + Epp

The Ritchie Market building is a community hub in one of Edmonton's mature neighborhoods. Conceived as an homage to the neighborhood's industrial past, it houses four diverse local businesses: a craft brewery and restaurant, a coffee roaster and cafe, a butcher and a bike rental shop. The material palette emphasizes raw, natural

materials and includes weathering steel, board-formed concrete, corrugated steel, and brick. The southwest corner of the building houses the feature brewhouse in a two-story height space enclosed on the south and west with brick and glass exterior walls. These prominent facades face onto the intersection of 76 Avenue and 96 Street. Brick masonry was incorporated as a material element to anchor the building to this key intersection. A thin brick veneer of the Endicott Ironspot Modular Sienna was also used to finish the interior face of the south and west exterior walls in the brewhouse and restaurant for its durability, industrial aesthetic, and continuity with the exterior brick finish.



## ROYAL VISTA EMERGENCY RESPONSE STATION

Owner: The City of Calgary  
 Designer: S2 Architecture  
 General Contractor: Bird Construction Company  
 Masonry Contractor: Pockar Masonry Ltd.  
 Masonry Supplier: Brock White Construction Materials  
 Engineer: TRL & Associates

A unique system was used to anchor the thin limestone panels on this institutional building. A dynamic mix of material and the use of masonry combine for a unique architectural feel to the building. Many exterior cladding products were used on this facade and this new innovative masonry product proved to be a good choice along with the other newer products shown here.

## SCOTIABANK REGIONAL CENTRE

Owner: Bank of Nova Scotia (Scotiabank)  
 Designer: RKH Architecture Ltd.  
 General Contractor: Silver Ridge Construction Ltd.  
 Masonry Contractor: Veldman Masonry Ltd.  
 Masonry Suppliers: Cast Supply, Brock White Construction Materials and Gillis Quarries  
 Engineer: Entuitive Consulting Engineers

The new Scotiabank Regional Centre in Lethbridge was constructed to replace the aging downtown bank and to consolidate other bank services into one location. The building design was initiated by the Scotiabank Head Office with the final design, detailing and contract

administration completed by RKH Architecture as Prime Consultant (Architect of Record). The building is located on the fringe of the downtown Historic District and was approved in design with respect to use, style, form, scale, and materials by all civic authorities. This modern architectural style was allowed because it responds to the new adjacent neighbourhood and it incorporates brick and stone, which are the prominent exterior materials, in the historic downtown.

The new Scotiabank building has been acknowledged as a good example of sensitive redevelopment within a historic city centre.



## SPRINGWOOD GARMIN

Owner: Vantage Land Corporation  
 General Contractor: Scott Builders Inc.  
 Masonry Contractor: Aurora Masonry Ltd.  
 Masonry Suppliers: I-XL Building Products and Cast Supply

The use of recessed brickwork on this building adds depth to the look of the architecture. Stone bands create a break in the brick and match the banding on the entire building.

**SYLVAN LAKE TOWN HALL**

Owner: Town of Sylvan Lake  
 General Contractor: Timcon Construction  
 Masonry Contractor: Westar Masonry  
 Masonry Supplier: Brock White Construction Materials

This institutional building uses a red brick feature wall combined with siding to create a dynamic architectural look. A soldier course band along with a roman arch make for significant masonry features which give a unique look to the building.

**TIMBERLANDS CO-OP**

Owner: Co-op Federation Ltd.  
 Designer: DIALOG  
 General Contractor: KorAlta Construction  
 Masonry Contractor: Westar Masonry  
 Masonry Supplier: Brock White Construction Materials  
 Engineer: DIALOG

This commercial retail building features adhered manufactured stone veneer to accent the red stucco and add an architectural focal point to the building.

**TROLLEY 5**

Owner: PJ L'Heureux  
 Designer: Moda  
 General Contractor: Create Construction Group Ltd.  
 Masonry Contractor: Aurora Masonry Ltd.  
 Masonry Supplier: Lafarge  
 Engineer: Brickhouse Structural Engineering Ltd.

When Trolley 5 was imagined it had to seamlessly blend with the existing buildings on either side of it on Calgary's famous 17th Avenue. Existing buildings were built in the 1920s so you had to maintain the architectural feel of the street with any new development. A modern feel was desired while maintaining the integrity of the heritage buildings beside it. The result, a modern twist on an old standard, cinder block as the framework of the building with modern touches all around it.

**WESTMAN VILLAGE AMENITY CENTRE**

Owner: Jayman  
 Designer: NORR Architects Engineers Planners  
 General Contractor: Centron Group of Companies  
 Masonry Contractor: G&M Stone Masonry Ltd.  
 Masonry Supplier: I-XL Building Products  
 Engineer: Williams Engineering Canada

The manufactured stone facade acts as a prominent feature for both the Village Centre Amenity building (completed February 2018) and adjacent Journey Club (completed August 2018). Both buildings act as a gateway into the Village from the public streets of Mahogany. The

main building's facade of the Journey Club is its most prominent feature and is easily seen from the street, wrapping around the building's different facades and anchoring its base. The building's main face was designed as darker or transparent, stepping back from the large-scale columns that form a rhythm along the ground plane. These columns often extend up the building to frame certain balconies. These columns not only create visual interest, but act functionally to create a covered gallery space for pedestrians to walk, and for seniors to safely enter the building.

### WESTMOUNT COMMERCIAL

Owner: West 18th St. Enterprises Inc.  
 General Contractor: Elan Construction  
 Masonry Contractor: Aurora Masonry Ltd.  
 Masonry Supplier: I-XL Building Products

This commercial retail building boasts architectural charcoal split-faced block at the base of the wall in combination with sloped adhered stone veneer columns and a bold stucco colour choice.



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The  
Advantages  
of Masonry

## Masonry Manages Moisture

It is not cost-effective to construct buildings as watertight as submarines. We expect moisture ingress and need to provide a method for moisture to get out (such as a drained cavity masonry rainscreen veneer) and use materials like masonry which do not lose structural strength if they get wet, in fact, they can gain strength by hydration. Masonry stores moisture and does not mold, rot or rust; nor is it organic. It is not ideal to construct from materials that are organic, as untreated, they can be a food source for other organisms such as termites.



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Darrel G. Babuk

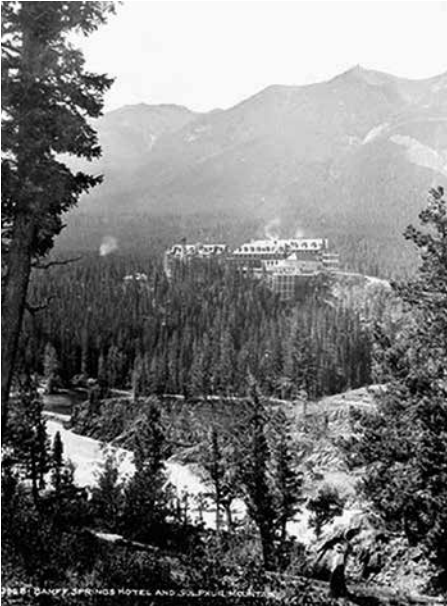
Through experience coupled with years of practice in Edmonton, Calgary, Chicago and Washington DC, Boreas Architecture & Civic Design Principal Darrel G. Babuk, MRAIC, is committed to keeping the stories of Alberta alive by conserving our heritage buildings, while appreciating the history of its masonry.

The original Banff Springs Hotel was a picturesque lodge, built of wood in 1888. It suffered a terrible fire in 1926, and was subsequently rebuilt of steel frame and masonry. More than a hotel, it tells the story of a country, and of a railway built to settle it. The Banff Springs Hotel lasts to tell its story.

In recent history, many of Alberta's greatest landmarks were wooden grain elevators, wooden railway trestles, wooden ice rinks. While some cultures have maintained ancient wood structures through intense and persistent maintenance, as an organic material, wood has a limited lifespan. Alberta's wood structures were built quickly to answer an immediate need. As a result, they are vanishing. What have we left to tell this story?

Other Alberta landmarks were built of brick. Landmarks like Calgary's warehouse district, Masonic Halls in Edmonton, railway stations in cities like Red Deer, and Medicine Hat – all memorable buildings, and all built of brick. Albertans were proud of their bricks, because of brick's enduring permanence and beauty, and that the bricks were made in local brickyards, operated by local families. Generations of families made bricks in Alberta, those families all became stalwart supporters and builders of their communities. Many times, these were small brickyards, or brickyards prone to flooding. While brick is a beautiful material from which to build; brick is a material that embodies many stories; Alberta had many brickyards – they have

Photo credit: Thompson/Library and Archives Canada/PA-031849



Original Banff Springs Hotel, 1888

New Banff Springs Hotel



Photo credit: Canada. National Parks Branch / Library and Archives Canada / PA-057223

*C. P. R. Depot, Medicine Hat, Alta.*



Canadian Pacific Railway Depot, Medicine Hat

Photo credit: The National Library and Archives Canada



Balmoral School, Calgary

gone away. The buildings built out of brick from those brickyards endure, as do the stories they tell of the people and groups who use them.

Contemporary building trends focus on those temporal, lightweight buildings. They are relatively quick, perhaps inexpensive to build. What sort of story will they tell about what we value as a people?

Stone quarries in Alberta aren't plentiful, or even well known. While Calgary's Bankview quarry, which produced Paskapoo sandstone, is known locally, few seem to know of the new sandstone seam exposed near Calgary's Sarcee Trail, and even fewer remember the commercial Pembina Quarry near Evansville. While Alberta hasn't built a lot from stone, those buildings that we have that are built of stone – and those buildings that we have built of brick – have lasted. Building a building that lasts makes for a tremendous economic reason to build of masonry.

And better yet, future generations will know who we are, based on the legacy that we can build in masonry.

Shandro Community Hall, Shandro, Alberta.  
Architect and Builder, unknown





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## AWARD OF EXCELLENCE

**ELBOW PARK ELEMENTARY SCHOOL**

Owner:	Calgary Board of Education
Designer:	Gibbs Gage Architects
General Contractor:	Stuart Olson
Masonry Contractor:	Ib Jensen Masonry Ltd.
Masonry Supplier:	I-XL Building Products
Engineer:	MMP Engineering

Elbow Park School is a landmark building located in the heart of this historic Calgary neighbourhood. Built in 1926, the charming two-storey building was designed to reflect the residential character of the neighbourhood. With exception to a gymnasium addition built in 1972, the general aesthetic and quality of Elbow Park School remained intact and in good condition over the years. Gibbs Gage Architects recognized the historic value the school represented to the community and, upon careful analysis and consultation with the client, community, and consultant team, designed a replacement school that includes the preservation of the north exterior wall and the reconstruction of the east and west exterior walls, which could not be preserved due to constructability issues.

AWARD OF  
MERIT**CALGARY NORTH EAST  
JAMATKHANA**

Owner: Strategic Equity Corporation  
 Designer: FNDA Architecture and  
 Manu Chugh Architect Ltd.  
 General Contractor: AMAN Builders  
 Inc.  
 Masonry Contractor: Pockar  
 Masonry Ltd.  
 Masonry Supplier: Brock White  
 Construction Materials  
 Engineer: TRL & Associates Ltd.



The building is a contemporary interpretation of Islamic architecture. The white brick forms the exterior cladding of the building with strategically-placed grey brick inset in strips, reminiscent of the Great Mosque in Cordoba. The use of brick, contemporary in expression, tributes centuries of history of important buildings in creating a sense of permanence over centuries and long-term maintenance-free performance for the community. This brick building becomes part of such a history-

making buildings that have chosen brick as a material of choice. The building has a strong sense of symmetry with its large functional areas, formal portals inviting the believer to prayer. The main entry portals are embellished with the rhythm of dark and light brick strips creating a sense of importance. The four vertical elements are reminiscent of traditional minarets and are also articulated with dark and light brick stripes while the sandblasted glass, with its Islamic patterns, subtly reminds one of the balances between the material and spiritual worlds, with its play of light and shadow.

HONOURABLE  
MENTION**GARY W. HARRIS  
CANADA GAMES  
CENTRE**

Owner: Red Deer College  
 Designer: Stantec Architecture Ltd.  
 General Contractor: Clark Builders  
 and Scott Builders Inc.  
 Masonry Contractor: J.R. Masonry  
 Western Ltd.  
 Masonry Suppliers: Expocrete and  
 Brock White Construction  
 Materials  
 Engineer: Stantec Consulting Ltd.



The Gary W. Harris Canada Games Centre located at the Red Deer College has many masonry products throughout the building. 10cm, 15cm, 20cm and 25cm Standard concrete block can be found in the ice arena, gymnasium and change room areas. A 25cm acoustic block was used for an exterior sound blocking wall to help eliminate noise from the arena cooling systems. 10cm, 20cm and 25cm Terrazzo concrete block was used in the Great Hall

to create an eye-catching feature elevator and feature washroom area. The exterior of the building comprises modular Coral Mutual Material brick that complements the existing Red Deer College campus buildings. Thin matching brick was used at locations where full bed brick was not able to be used.

## AGA KHAN GARDEN, UNIVERSITY OF ALBERTA BOTANIC GARDEN

Owner: Governors of the University of Alberta  
 Designer: Nelson Byrd Woltz Landscape Architects  
 General Contractor: Clark Builders  
 Masonry Contractor: Scorpio Masonry (Northern) Inc.  
 Masonry Supplier: A. Lacroix Granit  
 Engineer:

This garden is a contemporary interpretation of the landscape traditions of Mughal India, adapted to the plants, climate, and culture of Alberta. The design required extensive masonry structures to create the garden beds, walks, terraces, and open pavilions. The featured Canadian granite and limestone are deployed through both traditional patterns and modern detailing. The design required rigorous attention to quality installation and precise installation. In addition to the extensive paving and walls, there are multiple garden features, fountains, and special moments where skilled fabrication and installation of stone elements were required. The result is a truly unique garden unlike any other in North America and one that celebrates the qualities of Canadian stone and masonry craft in Alberta.



## CENTENNIAL PLAZA

Owner: Alberta Infrastructure  
 Masonry Contractors: Centennial Plaza Joint Venture Inc., a joint venture of Scorpio Masonry (Northern) Inc. and Terramex  
 Masonry Supplier: A. Lacroix Granit

Masonry on the Centennial Plaza Project included the use of Atlantic grey granite and Tyndall Stone. 77,300 square feet of 75mm thick flamed finish granite pavers were installed over a sand setting bed with caulked joints to the fountain areas and polymeric sand joints for the balance of the plaza. The pavers have continuous joints running north and south throughout, which had to be kept in near

perfect alignment as any deviation would be immediately apparent. In addition to the granite pavers, 500 lineal feet of granite stair treads and 86 granite benches were installed throughout the plaza, some having Canadian geographical zones engraved into the face. The project also features 50mm thick granite-clad walls throughout, two at the feature stair with the Alberta Coat of Arms.

Tyndall Stone was used for 50mm thick retaining wall cladding with Tyndall Stone caps and for 65 Tyndall Stone benches with a scabbled finish to the four faces located throughout the plaza.

## CHRIST THE KING ACADEMY

Owner: Christ the Redeemer Catholic Schools  
 Designer: Iwanski Architecture  
 General Contractor: Wahl Construction Ltd.  
 Masonry Contractor: Mayzes Masonry Inc.  
 Masonry Supplier: Cast Supply  
 Engineer: BEI Engineering 2000 Inc.

Christ the King Academy was designed with a separate and unique identity as an addition to St. Joseph's Collegiate High School within the town of Brooks, Alberta. The Junior High School adds 2,000 m<sup>2</sup> to the existing campus. Exterior finishes are a combination of brick, glass, and vertical metal panels at intervals. The predominant

colour is a grounding charcoal grey. Inserted, colourful metal panels reflect the multi-cultural student population. The materiality of brick strengthens the school's identity as an important provincial, yet local, and faith based building for education. It relates well to the community, existing structures and responds to environmental conditions as a durable base for the playful features above.

A two-storey atrium functions as main entrance, student gathering space, and connection to a shared gymnasium and CTS programs within the adjoining high school campus. Here, exterior finishes wrap around and continue inside. Existing red brick was retained as a reference to the existing school. The two brick colours complement each other on either side of the atrium.



## DONADEO INNOVATION CENTRE FOR ENGINEERING

Owner: University of Alberta  
 Designer: DIALOG  
 General Contractor: EllisDon  
 Masonry Contractor: Scorpio Masonry (Northern) Inc.  
 Masonry Supplier: Scorpio Masonry (Northern) Inc.  
 Engineer: DIALOG and MCW

The Donadeo Innovation Centre for Engineering transforms a 16m-wide sliver of land between two existing structures into a striking feature on the University of Alberta's skyline. The 14-storey building amalgamates approximately

85,000 sq. ft. of engineering faculty office space that was previously spread throughout campus.

The facade and interior spaces of the Donadeo Innovation Centre for Engineering are an interplay of man-made and natural materials, celebrating the pursuit of intellectual curiosity and the coming together of diverse engineering disciplines to foster new thinking. Brick and masonry are combined with ductal concrete and curtain wall to bring scale and character to the overall composition. The brick and reclaimed Tyndall stone panels represent the history and permanence of the university campus setting while the ductal concrete and curtain wall provide a contemporary counterpoint.

**EDMONTON FEDERAL BUILDING**

Owner: Alberta Infrastructure  
 Designer: Kasian Architecture  
 General Contractor: Clark Builders  
 Masonry Contractor: Scorpio Masonry (Northern) Inc.  
 Masonry Supplier: Scorpio Stone

The Edmonton Federal Building is a 10-storey, Art Deco building clad in Tyndall stone and located on the northeast corner of the Alberta Legislature grounds. Initially built in the late 1950s, in 2009 the building underwent both extensive renovations to the exterior and interior as well as the construction of new buildings on site, an underground parkade and new public plaza (the Centennial Plaza). The new buildings were designed in a similar style to the original Federal Building, with Tyndall stone and granite. As an economical and environmental solution, Tyndall stone panels were salvaged from the Federal Building, re-purposed and installed on the new buildings. This process required modifying the Tyndall stone to a thin panel system.

**EVANSTON K-4 SCHOOL**

Designer: Sahuri + Partners Architecture Inc.  
 Masonry Contractor: Am-Can Masonry  
 Masonry Supplier: Lafarge

A brand new school in a blossoming new community. The majority of the structural walls for this school are concrete block, as was traditionally used to construct schools until the 2000s. The exterior has a generous mix of burnished and split face architectural concrete block with different colours, facings, styles, heights constructed to provide banding patterns.

**GRIESBACH PPCLI MEMORIAL**

Owner: Princess Patricia's Canadian Light Infantry Association  
 Designer: IBI Group  
 General Contractor: Scorpio Masonry (Northern) Inc.  
 Masonry Contractor: Scorpio Masonry (Northern) Inc.  
 Masonry Supplier: A. Lacroix Granit

Scorpio Masonry contributed to IBI's design of this project. The project is one that several employees hold close as some have family members currently serving with, or have been lost serving with the PPCLI. The main central circular component of the project was designed to replicate one that was constructed in Frezenburg, France honouring

Canada's service in the 2nd battle of Ypres that took place on May 8, 1915.

The Griesbach Memorial has granite which includes radius pieces for the stairs leading up to the memorial, granite paving at the top of the stairs around the memorial and radius granite cladding and copings to the memorial, which has a brass domed cap with the PPCLI logo incorporated. The project also involved the supply and install of 22 granite pedestals for the install of brass battle honour ribbons, and the supply and install of two main granite walls with brass plaques for each campaign the PPCLI fought in, with the names of all lost in each campaign listed on the plaques.

**HERITAGE VALLEY FIRE STATION**

Designer: ATB Architecture  
 General Contractor: Stuart Olson  
 Masonry Contractor: Scorpio Masonry (Northern) Inc.  
 Masonry Supplier: Cast Supply

The Heritage Valley Fire Station (#28) was completed in late 2014 and is comprised mainly of load-bearing and non-load-bearing CMU, providing durability and longevity of the building's core. The exterior of the building is mixed with architectural masonry made up of utility-sized vintage brown and Norman-sized black walnut brick from Sioux City Brick, as well as Expocrete Grigio Naturale ground faced architectural Terrazzo block units. The Terrazzo blocks add light tones to the darker brick.

## NAIT CENTRE FOR APPLIED TECHNOLOGY

Designer: Stantec Architecture Ltd.  
 General Contractor: Clark Builders  
 Masonry Contractor: Scorpio Masonry (Northern) Inc.  
 Masonry Supplier: Expocrete

The NAIT Centre for Applied Technology involved the supply and install of approximately 14,500 pieces of stone. On this institutional building, these pieces were incorporated into pilasters located on all exterior elevations of the building, at the main floor level to the north, east and south elevations, and to eight columns built to support two pedway crossings. Some of the corner Shouldice stone units weighed in at approximately 165 lbs. Precast sill and lintels built into the main floor cladding and caps to the pilasters and pedway columns were formed and poured.



## OAKRIDGE ARENA

Owner: The City of Calgary  
 Designer: Gibbs Gage Architects  
 General Contractor: PCL Construction  
 Masonry Contractor: Aurora Masonry Ltd.  
 Masonry Supplier: Lafarge  
 Engineer: MMP Structural Engineering Ltd.

Split-face block was used on the outside of the arena expansion to increase the beauty of the project while inside concrete block formed all of the walls for the new dressing rooms and vestibule area.

## ROYAL ALBERTA MUSEUM

Owner: Government of Alberta  
 Designer: DIALOG  
 General Contractor: Ledcor Design-Build (AB) Inc.  
 Masonry Contractor: Scorpio Masonry (Northern) Inc.  
 Masonry Supplier: Scorpio Stone  
 Engineer: DIALOG

The Royal Alberta Museum is one of Canada's leading museums of human and natural history. Located in downtown Edmonton's Arts District, the museum collects, preserves, researches, interprets and exhibits specimens and objects related to the heritage of Alberta's people and natural environment. The exterior materials were chosen to respect and complement the neighbourhood (City Hall, Art Gallery of Alberta, Winspear Centre for Music) while reinforcing the solidity and importance of the institution. The materials give form and scale. Stone paneling that appears on the exterior continues into the interior, providing a cohesive sense of place between the inside and outside. Construction included installation of 7,500 limestone panels (over 80,000 square feet) to the exterior envelope and interior.



## SKYPOINTE

Owner: Hestia Age Care  
 Designer: Rick Balbi Architect Ltd.  
 General Contractor: Hestia Construction  
 Masonry Contractor: Aurora Masonry Ltd.  
 Masonry Supplier: I-XL Building Products  
 Engineer: MMP Structural Engineering Ltd.

This beautiful residential building incorporates the use of bold siding colours contrasting with manufactured stone veneers. The stone evokes a warm and inviting feeling to the community surrounding it.

**ST. JOSEPH'S COLLEGE WOMEN'S RESIDENCE**

Owner: University of Alberta  
 Designer: Stantec Architecture Ltd.  
 General Contractor: Stuart Olson  
 Masonry Contractor: Scorpio Masonry (Northern) Inc.  
 Masonry Supplier: I-XL Building Products

The masonry on this project involved tens of thousands of square feet of multi-level exterior brick veneer. As well as Tyndall stone sills, panels, and architectural shapes to feature columns.



**ST. THOMAS AQUINAS CATHOLIC SCHOOL**

Owner: Edmonton Catholic Schools  
 Designer: BR2 Architecture  
 General Contractor: Graham Construction and Engineering LP  
 Masonry Contractor: DVD Masonry Ltd.  
 Masonry Supplier: Expocrete  
 Engineer: Protostatix Engineering Consultants Inc.

two-storey facility to maximize the efficiency of the building, maximize outdoor activity space and allow appropriate separation of grade structure based on division. The new school design uses the new open two-storey learning commons as the catalyst to unify the three school divisions in an interactive, multi-purpose program area.

Masonry was used extensively throughout the interior and exterior of the school. Masonry provided durable and easily maintained surfaces in interior corridors, common areas, washrooms, and the gymnasium. Masonry was incorporated into the concept not only for durability but to enhance the school's aesthetic and reflect permanence in the community.

St. Thomas Aquinas Catholic School is one of Edmonton Catholic Schools' new flagship schools to encourage 21st Century Learning initiatives. This new school is designed to accommodate 900 students. The school was designed as a

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- Seves Glass Block

## AWARD OF EXCELLENCE



### BENTLEY

Owner: Yorkton Group International Ltd.

Designer: KENNEDY

General Contractor: Chandos

Masonry Contractor: Park Brick & Block Ltd.

Masonry Supplier: Cast Supply

Engineer: Prostatix Engineering Consultants Inc.

The project design thoughtfully contrasts brick and cast stone with the contemporary materials of aluminum glazing to capture both the history of the Windsor Park neighbourhood and the innovative character of Edmontonians. In close proximity to the University of Alberta, the residential building echoes the dignified aesthetic of historic buildings like the Dentistry Pharmacy building, built in 1921. Uniformity in the masonry coursing provides structure to the appearance and seamlessly transitions the brick and glazing.

The exterior features red modular clay brick, with parchment-coloured cast stone window sills, headers, and entryways. The lower section of the building and grand entrance are adorned with light grey concrete blocks, mimicking the effect of natural stone with enhanced longevity and durability.

## AWARD OF MERIT



### ST. JOSEPH'S COLLEGE WOMEN'S RESIDENCE

Owner: University of Alberta

Designer: Stantec Architecture Ltd.

General Contractor: Stuart Olson

Masonry Contractor: Scorpio Masonry (Northern) Inc.

Masonry Supplier: I-XL Building Products

The masonry on this project involved tens of thousands of square feet of multi-level exterior brick veneer, as well as Tyndall stone sills, panels, and architectural shapes to feature columns.

## HONOURABLE MENTION



### FIFTEEN15

Owner: Bentall Kennedy

Designer: Gibbs Gage Architects

General Contractor: Graham Construction

Masonry Contractor: Ib Jensen Masonry Ltd.

Masonry Supplier: I-XL Building Products

Engineer: Read Jones Christoffersen

This was designed for the West Connaught Community in Calgary's Beltline. The use of stack bond red brick and charcoal running bond brick accent the glazing on this high-rise rental apartment project. The building embodies many of the principles outlined in Calgary's Municipal Development Plan and in the Beltline ARP, including: inclusion of live-work units; suites on the lane; pedestrian-scaled street side interface; provision of a publicly accessible plaza; high quality durable

materials; and sustainable features including green roofs and rainwater harvesting for irrigation.

The design of the suites is particularly innovative with units designed to suit the young urban professional rental market. Open living, kitchen and dining areas create a sense of spaciousness while very efficiently designed bedrooms allow overall floor areas to be kept to a minimum.



## MULTI FAMILY RESIDENTIAL

**25A STREET**

Designer: PLP Design and Drafting  
 General Contractor: SNAP - Steve Norris & Partners  
 Masonry Contractor: Am-Can Masonry  
 Masonry Supplier: Proform Construction Products

This tastefully-designed infill fourplex showcases a diverse look with crisp, clean, linear stone that highlights the entryways and is the standout focal point of the main visible elevation. A modern architectural style that pairs stucco with the use of traditional stone.

**35TH**

Designer: Michael R. W. Bauer  
 Masonry Contractor: Am-Can Masonry

The masonry face of this Tudor style duplex illustrates how a new build can be inspired by traditional Calgary and other small town Alberta looks. Cranberry red brick with natural cut and pitched sandstone provide a timeless look. The natural cut and pitched sandstone base courses, headers and keystones all blend gracefully. The brick barrel arches at the entry and over the windows provide architectural focal points.

**BRISTOL TOWNHOMES**

General Contractor: Birchwood Properties  
 Masonry Contractor: Am-Can Masonry  
 Masonry Supplier: I-XL Building Products

This delightful brownstone project in Quarry Park features beautiful dark manufactured stone with light colour trim stones and arches that transform these six townhomes into one community all on its own.

**KENS HOUSING**

Owner: Kennect Building & Design  
 Designer: Metro Studio of Building Design  
 General Contractor: Kennect Building & Design  
 Masonry Contractor: Westar Masonry  
 Engineer: Richards Consulting & Associates Ltd.

This residential building features red brick walls accenting charcoal stucco. The use of soldiering adds a distinct architectural feature to the building.

### LIDO BY BATTISTELLA

Owner: Battistella Developments  
 Designer: IBI Group  
 Masonry Contractor: Ib Jensen Masonry Ltd.  
 Masonry Supplier: I-XL Building Products

Brick was selected for the Lido project for a number of reasons. Contextually, brick fit in with the Kensington vernacular of the existing two-story buildings lining 10th Street. IBI Group Architects designed the brick into the facade as two and three story elements that reflected the nature of the existing adjacent low rise buildings. The brick elements also serve to break up and provide an individual quality to express the retail units at grade. The ash colour and the modern sizes allowed us to build on this local

vernacular with the idea of Lido as a contemporary building for 10th Street. The building envelope and economic qualities of brick masonry provided for a cost-effective rain screen solution that is necessary for durable and long-lasting buildings, while the solid feel of brick grounds the Lido with a strong base for the glazed residential floors above. Our father was a career Mason and we like to include masonry products to keep this tradition alive.



### MISSION 34

Owner: Assured Communities  
 Designer: NORR Architects Engineers Planners  
 General Contractor: Assured Communities  
 Masonry Contractor: Aurora Masonry Ltd.  
 Masonry Supplier: I-XL Building Products

Urban meets Suburban. Mission 34's modern, adaptive design successfully blends a range of lifestyle requirements to suit both private residents and work-at-home urban professionals. The bold exterior boasts progressive styling featuring asymmetrical design and high quality materials like extruded aluminum and brick. A contemporary tower feature completes the iconic reference Mission 34 will provide to the redevelopment of Mission Road. The beautifully appointed courtyard features 100,000 btu, double-sided, stone fireplace that anchors a communal BBQ and lounge area.

### MULTI FAMILY

Owner: Asset Builders  
 Designer: Asset Builders  
 General Contractor: Asset Builders  
 Masonry Contractor: Adorn Masonry Ltd.  
 Masonry Supplier: Proform Construction Products

The masonry contractor worked with the general contractor to pick out a stone that would be a good accent to the other exterior finishes. Picked a stone that was very similar in colour to the shingles. The manufactured stone used was Timberstone Kodiak Pro-stack Lite with a Marsh drip ledge.



### OUR PARENTS HOME

Designer: ATB Architecture  
 General Contractor: ITC Residential AB I Inc.  
 Masonry Contractor: Scorpio Masonry (Northern) Inc.  
 Masonry Supplier: Cast Supply

Our Parents Home is a commercial retail and residential tower. The podium level is dedicated to retail units that cater to the aging tower tenants, which is comprising senior independent and assisted living. The building's intent was to create a place for seniors to be independent and have all the necessary amenities while still having assistance nearby, if required. A third level, enclosed rooftop patio was added adjacent to the tower late in the project and features brick columns and wing walls that tie

seamlessly into the exterior brick cladding. Completed in 2015, Our Parents Home was built replicating the masonry on the Beth Shalom Synagogue, which connects via a pedway to Our Parents Home. Our Parents Home utilized Hanson Sierra sandstone brick with soldier and header accent coursing, Indiana limestone banding/insets, as well as carved granite name plates for the major contributors.

## MULTI FAMILY RESIDENTIAL

**PEARL CONDO TOWER**

Owner: Regency Developments  
 General Contractor: Pagnotta Industries Inc.  
 Masonry Contractor: Scorpio Masonry (Northern) Inc.  
 Masonry Supplier: Scorpio Stone

The Pearl Tower is the highest residential tower in the city of Edmonton. The podium level of The Pearl boasts flamed and polished Imperial red granite as well as Indiana limestone column bases and third level wing walls. The red granite adds a pop of colour against the neutral tones of the limestone. The project was modeled in a 3D digital environment, and each limestone and granite panel was custom cut to meet project requirements.

**QUARRY PARK BLVD**

Designer: NORR Architects Engineers  
 Planners  
 General Contractor: Birchwood Properties  
 Masonry Contractor: Am-Can Masonry  
 Masonry Supplier: I-XL Building Products

Quarry Park Boulevard town homes offer an elegant display of a variety of masonry combinations. Using concrete block to build out manufactured stone to create the look of full bed stone to supporting brick work above. The fusion of different colour bricks within the walls, accent trims, quoins, and arches is truly an architectural sight to behold. These striking combinations accent each other from home to home. In a community that is designed both as a walk-to-work and shop community, the masonry on this boulevard recreates the look of the early years of small-town Alberta.

**SKYPOINTE**

Owner: Hestia Age Care  
 Designer: Rick Balbi Architect Ltd.  
 General Contractor: Hestia Construction  
 Masonry Contractor: Aurora Masonry Ltd.  
 Masonry Supplier: I-XL Building Products  
 Engineer: MMP Structural Engineering Ltd.

This beautiful residential building incorporates the use of bold siding colours contrasting with manufactured stone veneers. The stone evokes a warm and inviting feeling to the community surrounding it.

**THE GROVES OF VARSITY**

Owner: Statesman Group  
 Designer: Statesman Group  
 General Contractor: Statesman Group  
 Masonry Contractor: RPM Masonry  
 Masonry Supplier: I-XL Building Products  
 Engineer: NORR Architects Engineers  
 Planners

The Groves of Varsity is a mixed-use residential development comprising five mid-rise steel and concrete buildings. The use of full-bed brick veneer at the development is characterized throughout the community as a strong, durable, and weather resistant exterior cladding. Brick in conjunction with exterior curtain wall

glazing allows for a continuous rain screen building envelope more commonly specified on commercial projects and not typically seen on residential developments. The advantage of this built-form is to ensure the exterior cladding will last a life-time as intended. The other added advantage of brick is the aesthetic appeal. The Groves of Varsity development is located in the prestigious Varsity Estates community of Calgary, Alberta and is recognized as one of Calgary's oldest and most-distinguished communities. Brick enriches the aesthetic appeal of the surrounding residences by complementing the historic and timeless characteristics of the product.

### THE GUARDIAN, CALGARY

Owner: Hon Towers Ltd.  
 Designer: IBI Group  
 General Contractor: Axiom Builders  
 Masonry Contractor: Pockar Masonry Ltd.  
 Masonry Suppliers: Brock White Construction Materials and I-XL Building Products  
 Engineer: Glotman Simpson

This residential building features charcoal stack bond brick on the upper elevation of the podium. Cleaveland thin sandstone panels clad the multitude of columns along with the lower elevation of the podium. This diversity of materials in combination with the glass tower make for a significant architectural contribution.



### THE HENDRIX

Owner: Edgar Development  
 General Contractor: ITC Residential AB I Inc.  
 Masonry Contractor: Scorpio Masonry (Northern) Inc.  
 Masonry Supplier: I-XL Building Products

The Hendrix is a 30-storey LEED silver apartment building in downtown Edmonton. The podium was constructed using red terracotta smooth modular brick. The use of brick allowed for easy incorporation of the preserved historic J.T. Ross House, located beside the tower and included in the new development as boutique office space. Concrete block was used in the construction of the underground parkade, and Indiana limestone was used for the balcony copings.

### THE HENRY

Designer: Hindle Architects  
 General Contractor: Brookfield Residential  
 Masonry Contractor: Am-Can Masonry  
 Masonry Supplier: Cast Supply  
 Engineer: Williams Engineering Canada

For many years this beautiful piece of land facing the river sat vacant. The project parameters were to be classic, modern, well-designed and wrapped in masonry. The Henry was the result. These four buildings wrapped in a beautiful graphite brick base and a classic red brick finish gained the approval of the community to utilize this stunning location after years of debate. Significant architectural features include staggered walls, columns and an elevation of soldier coursing.



### THE MAYFAIR ON JASPER

Designer: Humphreys & Partners Architects, Canada Inc.  
 General Contractor: ITC Construction Group  
 Masonry Contractor: Scorpio Masonry (Northern) Inc.  
 Masonry Supplier: Brock White Construction Materials

The Mayfair Village North rests proudly at one of the busiest intersections on Jasper Avenue. The building's street-level facade consists of Tyndall Stone from Gillis Quarries. Large and small dimensional smooth stone and random length split face stone provide a beautiful architectural contrast to the Tyndall. The above- and below-grade parkade utilizes many concrete masonry units to ensure durability and longevity of the building's heavily-used areas.

## MULTI FAMILY RESIDENTIAL

**THE PARK**

Designer: GMH Architects  
 General Contractor: Newland Construction Limited  
 Masonry Contractor: Pockar Masonry Ltd.  
 Masonry Supplier: I-XL Building Products  
 Engineer: TRL & Associates Ltd.

A smooth-face brick was selected in a large size - midway between stone and brick to add to the variety of faces found in heritage masonry buildings. The colour sought was a warm coral with a small range of colour between the old bricks and stone of nearby historic buildings. The colour beautifully framed the bronze statue. The project faces the Central Memorial Park which is the oldest park in Calgary. The limestone library and the school across from the park are also historic. In fact, the original buildings all the way south to 17 Avenue and west to 4 street are historic with many featuring stone and brick. The smaller scale of the older buildings would be honoured with breaks in the facade, punched windows set in deep recesses and the upper levels set back.

**TRICO VERIDIAN**

Owner: Trico Homes Ltd.  
 Designer: Casola Koppe Architects  
 General Contractor: Trico Homes Ltd.  
 Masonry Contractor: Aurora Masonry Ltd.  
 Masonry Supplier: Brock White Construction Materials  
 Engineer: Ferta Engineering Consultants Ltd.

This residential building used concrete block for the elevator shafts. Architecturally, adhered stone veneer was used in intervals to complement the bold choice of colour along with neutral colours evident in the siding.

**VALOUR PARK PHASE ONE**

Owner: Empire Custom Homes  
 Designer: Jenkins Architecture Ltd.  
 General Contractor: Empire Custom Homes Ltd.  
 Masonry Contractor: High Sierra Holdings Ltd.  
 Masonry Supplier: Indiana Cut Stone  
 Engineer: MMP Structural Engineering Ltd.

This 9-unit townhouse development is the first phase of a planned three-building project that will curve around the eastern end of a crescent-shaped greenspace in the Calgary community of Currie Barracks. The 3,000 sq. ft. units have three levels of living space and feature large rear yards, private underground garages, individual elevators, and rooftop terraces. A light grey limestone was selected to complement the Modern Classical style of the building. The limestone is used extensively throughout the project, including the building base that wraps around the entire project, a prominent chimney element, and the full two and three-storey facades that face onto Valour Circle.

**VOGUE**

Owner: La Caille 6th Avenue Inc.  
 Designer: IBI Group  
 General Contractor: ITC Residential AB I Inc.  
 Masonry Contractor: Pockar Masonry Ltd.  
 Masonry Supplier: Brock White Construction Materials  
 Engineer: MMP Structural Engineering Ltd.

This Chicago style high rise, high end, condo building in the west end of Calgary's downtown has a multitude of architectural features. The variety in stone, along with the arch over the entryway on the podium of this beautiful building makes an impressive statement right from the curb. When competing in this aggressive condo market the building needs to speak to the buyer. Masonry helped sell this project and will continue to help in the resale market in the future.

**WESTMAN VILLAGE AMENITY CENTRE**

Owner: Jayman  
 Designer: NORR Architects Engineers Planners  
 General Contractor: Centron Group of Companies  
 Masonry Contractor: G&M Stone Masonry Ltd.  
 Masonry Supplier: I-XL Building Products  
 Engineer: Williams Engineering Canada

The manufactured stone facade acts as a prominent feature for both the Village Centre Amenity building (completed February 2018) and adjacent Journey Club (completed August 2018). Both buildings act as a gateway into the Village from the public streets of Mahogany. The

main building's facade of the Journey Club is its most prominent feature and is easily seen from the street, wrapping around the building's different facades and anchoring its base. The building's main face was designed as darker or transparent, stepping back from the large-scale columns that form a rhythm along the ground plane. These columns often extend up the building to frame certain balconies. These columns not only create visual interest, but act functionally to create a covered gallery space for pedestrians to walk, and for seniors to safely enter the building.



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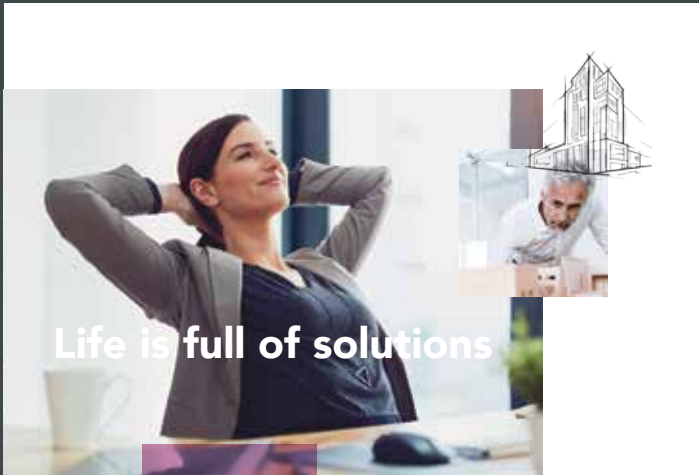
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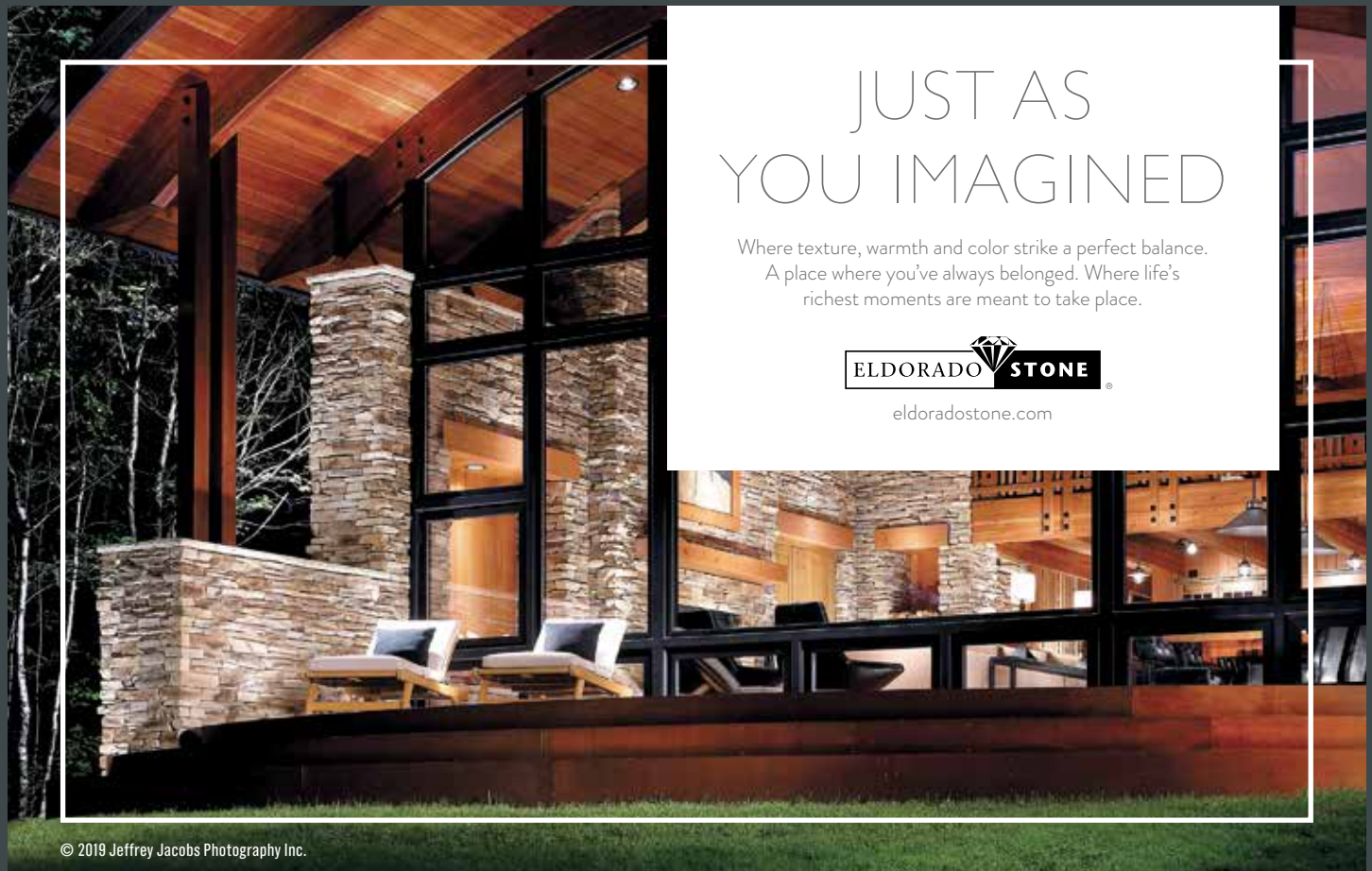


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# Building History in Unlikely Places

Alberta Medieval Settlement LTD

When one visits southern Alberta, there are things one expects to see: endless fields of golden grain, peaceful herds of grazing livestock, perhaps a view of majestic mountains in the distance. This is the province of rugged cowboys and pristine wilderness. All of this is expected in our province. But there may soon be something that a wayward visitor may not expect to see.

A historically accurate medieval settlement.

Using La Couvertoirade and Guédelon Castle in France as templates, the Alberta Medieval Settlement project intends to build a historically accurate, functional medieval settlement site in southern Alberta. Using the tools, techniques and technologies of 1450 England, a piece of history will find a home in the midst of the grain fields and grazing land in Newell County.

History is more than a single place and time. It is more like a river that flows from the past into the present. Take one look at a prairie soddy and even a casual observer will see that the structure has more in common with its medieval European predecessor than it does with the structures of the Indigenous peoples of Alberta. It becomes clear that immigrants brought more than language and culture with them, they brought a rich building history that became the foundations of the settlements and larger centres that are still with us today.

Few things capture the modern imagination more than the towering structures of the medieval era. The soaring

arches, the powerful walls and the sheer beauty of stone construction is a reminder of where many of us came from. It sparks imagination and gives a sense of stability, strength and longevity. In recreating this environment, we hope to engage a new generation in hands-on learning in a fully immersive program that will engage visitors in the sights, sounds and feel of what it meant to live in a time where life was lived behind walled gates and when stone was the building material of choice.

Like the Chateaux de Guédelon, the Alberta Medieval Settlement project (tentatively named FieldStone) is a unique design as opposed to being a reproduction of a currently existing settlement site. Like La Couvertoirade, the design is intended to take advantage of its environment when deciding upon specific features. A creative project designed to engage everyone from the casual learner to the advanced and experienced mason, architect, archaeologist and historian, FieldStone will invite visitors to pick up a hammer, chisel or spade and to become a participant in recreating the past.

*Alberta Medieval Settlement LTD registered as a non-profit company in the Province of Alberta in July of 2017. With head offices in Calgary, most operations take place in Brooks, Alberta, and manages the Brooks Medieval Faire every August as its flagship fundraising event.*



*Chateau de Guédelon,  
France*



*Below: La  
Couvertoirade, France*



## AWARD OF EXCELLENCE



### ENBRIDGE CENTRE

Owner:	Kelly Ramsey Limited Partnership
Designer:	DIALOG
General Contractor:	Ledcor Design-Build (AB) Inc.
Masonry Contractor:	Scorpio Masonry (Northern) Inc.
Masonry Supplier:	Scorpio Stone

The Enbridge Centre is a mixed-use project that blends historic architecture with modern design aesthetics to create a beautiful and engaging urban building in downtown Edmonton. The original stone Ramsey and brick Kelly buildings suffered a major fire in 2009, leaving no choice but to rebuild completely. The design of the new Enbridge Centre incorporates the original east and south masonry facades, which were extensively documented through laser-survey and dismantled prior to construction. Damaged pieces of original stone and metal trims were recreated down to the finest detail and were incorporated into the rebuilt facades. The new Enbridge Centre restores the historic masonry facade to its original state, prior to the fire.

## AWARD OF MERIT



### MOUNT ROYAL RETAINING WALL RESTORATION

Owner: Mike and Linda Shaikh  
 General Contractor: LMent Stone  
 Masonry Contractor: LMent Stone  
 Engineer: Wolsey Structural Engineering, Ltd.

The wall was built by in the late 1880s by the Canadian Pacific Railroad. Locally sourced sandstone was used in its construction. Our restoration process included complete removal of all rotted mortar and stone. Rebuilding/repair were completed as necessary. Wall cavities were filled with core grouting methods. All replacement sandstone was reclaimed from local buildings. Traditional lime

mortars were used for the entire project. There were three areas of the wall that had to be completely taken down and rebuilt. These areas had all the soil removed/excavated from the back side, as well as lime parging and foundation tar applied to the newly constructed sections before backfilling with washed gravel. The project took two years to complete.

## HONOURABLE MENTION



### MCDUGALL UNITED CHURCH RESTORATION

Owner: McDougall United Church  
 Designer: Next Architecture Inc.  
 General Contractor: Ledcor Construction Ltd.  
 Masonry Contractor: Scorpio Masonry (Northern) Inc.

This church was opened to the public in 1910 and was recently in the news about the existing condition and how to move forward with the building. It was decided through a partnership between the City of Edmonton, AB Culture, and the parishioners to engage in a restoration

program. In 2016, the church went through an extensive masonry restoration program, which included repointing of the existing brick, cornice replacement, rebuilding sections of the bell towers, and a full rebuild of the front entrance stairs.

## ALBERTA CULTURE BUILDING EXTERIOR REHABILITATION

Owner: Alberta Infrastructure  
 Designer: Boreas Architecture & Civic Design Inc., for Group2 Architecture Interior Design Ltd.  
 General Contractor: Carlson Construction Ltd.  
 Masonry Contractor: Scorpio Masonry (Northern) Inc.  
 Masonry Supplier: Scorpio Stone

The Alberta Culture Building is located on the University of Alberta Campus, in what was previously the St. Stephen's College Building. Originally built in 1911, it is a four-storey Collegiate Gothic style building featuring stone detailing and clad in red brick veneer. Scorpio Masonry restored the north, south and east entrances. This work included the restoration of the existing entrances and the construction of new handicap entrances to the east and west. These were built with new brick to match the existing as well as Indiana limestone caps.



## BOWMAN SCHOOL RESTORATION

Owner: The City of Lethbridge  
 Designer: RKH Architecture Ltd.  
 General Contractor: Cobra Corporate Management Inc.  
 Masonry Contractor: Brxton Construction LP  
 Masonry Supplier: Amico Stone Supply  
 Engineer: MPE Engineering Ltd.

The former Lethbridge Manual Training School was constructed in 1912 but was soon after changed to a public school and renamed the Bowman school. Later it became the Bowman Arts Centre and is now in transition into a city facility. This provincial historic resource is designed in the Collegiate Gothic style with a brick and stone (sandstone and limestone) facade. A classical stone entrance portico with two tall ionic columns creates the focal point for the building.

In order to make the building accessible a new west entrance with a protective windscreen of Indiana limestone was constructed with a simple form that incorporated existing proportions and window style.

## EDMONTON FEDERAL BUILDING

Owner: Alberta Infrastructure  
 Designer: Kasian Architecture  
 General Contractor: Clark Builders  
 Masonry Contractor: Scorpio Masonry (Northern) Inc.  
 Masonry Supplier: Scorpio Stone

The Edmonton Federal Building is a 10-storey, Art Deco building clad in Tyndall stone and located on the northeast corner of the Alberta Legislature grounds. Initially built in the late 1950s, in 2009 the building underwent both extensive renovations to the exterior and interior as well as the construction of new buildings on site, an underground parkade and new public plaza (the Centennial Plaza). The new buildings were designed in a similar style to the original Federal Building, with Tyndall stone and granite. As an economical and environmental solution, Tyndall stone panels were salvaged from the Federal Building, re-purposed and installed on the new buildings. This process required modifying the Tyndall stone to a thin panel system.



## FIRST PRESBYTERIAN CHURCH, WEST ELEVATION

Owner: First Presbyterian Church  
 Masonry Contractor: Scorpio Masonry (Northern) Inc.

This beautiful red brick church was opened in 1912 and is one of the oldest structures still preserved in the City of Edmonton. The parishioners are very proud of their building and investment in a yearly restoration program will ensure the building will remain beautiful and functional for decades to come.

In 2015, it was decided and approved by Alberta Culture to replace the stained glass within the stone tracery on the west elevation. The stained glass in many places was cracked due to the settlement of the building over time and the lack of deflection space in the tracery. The masonry work included repairs to the Indiana limestone tracery which included Dutchmen repairs to the spring of the arch, injection and plastic repairs to the spalled joints, and repointing of the mortar.

## LEGION

Owner: Ideal Rental Properties  
 Designer: Ideal Rental Properties  
 General Contractor: Ideal Construction  
 Masonry Contractor: Adorn Masonry Ltd.  
 Masonry Supplier: Brock White Construction Materials

There was a portion of the north wall by the main entrance that was falling away from the building. We removed that existing portion, cleaned and reused the bricks. The main entrance was moved inwards to make an exterior vestibule and the bricks were extended inward to the new door. The owners wanted larger windows so we cut out bricks for three larger windows cleaned and reused the bricks to fill around the windows. The St. Paul Legion is an historic building in the town of St. Paul and, by restoring this building, we could keep the past alive, as well as allowing the new generation to see that there is beauty in old things.



## NATIONAL MUSIC CENTRE

Owner: National Music Centre Canada  
 Designers: Allied Works Architecture Inc. / Kasian Architecture  
 General Contractor: CANA Group of Companies  
 Masonry Contractor: Pockar Masonry Ltd.  
 Engineer: Read Jones Christoffersen

The King Edward Hotel was originally constructed between 1905-1910 in two phases. It served Calgary for nearly a century and was torn down in 2004. The iconic sign was refurbished and the only other building material that was salvageable was the brick. The brick was removed, stored and reinstalled over a new structure as part of the National Music Center. Significant architectural segmental arches can be found over the entrances and windows maintaining the original exterior architecture of the hotel.

## RESIDENTIAL FIREPLACE JOKI

Owner: Roger and Jackie Joki  
 Designer: Gordon White Masonry  
 Masonry Contractor: Gordon White Masonry

The stones for this fireplace were harvested from a local gravel pit near the historical Davisburg Bridge. They were picked for their shape, size and colour and texture. The sandstone hearth and mantle were cut from two different pieces of sandstone that were acquired during the excavation of the owner's property when building the residence.



## ROYAL ALBERTA MUSEUM MOSAICS

Owner: Government of Alberta  
 Designer: DIALOG  
 General Contractor: Ledcor Design-Build (AB) Inc.  
 Masonry Contractor: Scorpio Masonry (Northern) Inc.  
 Engineer: DIALOG

The Royal Alberta Museum is one of Canada's leading museums of human and natural history. Located in downtown Edmonton's Arts District, the museum collects, preserves, researches, interprets and exhibits specimens and objects related to the heritage of Alberta's people and natural environment.

Masonry played an important role in celebrating the history of the museum's downtown site. Where the museum now stands, the former main post office exterior featured nine mosaic murals by Ernestine Tahedl, commissioned by the federal government in 1966. The mosaics were carefully deconstructed and catalogued in 2012 to be incorporated into the new project. They were restored, reframed, and reinstalled in nearly the same place, as part of a pedestrian boulevard and courtyard cafe.

**SIMMONS BUILDING**

Owner: Calgary Municipal Land Corporation  
 Designer: McKinley Burkart  
 General Contractor: Stuart Olson  
 Masonry Contractor: Ib Jensen Masonry Ltd.  
 Engineer: Read Jones Christoffersen

The Simmons building itself was built in 1912 by the Alaska Bedding Co. and has since been restored to house three restaurant tenants including Sidewalk Citizen Bakery, Charbar and Phil and Sebastian Coffee Roasters. We were approached by the Calgary Municipal Land Corporation to take on the restoration of Calgary's iconic Simmons Building to develop what has become a key component of Calgary's RiverWalk while maintaining the integrity and spirit of the structure. Heritage buildings play an active role in our growing city and are not only important for their educational potential, but also for their ability to both link us with our past and add a rich diversity to the modern urban fabric.

**ST. JOSAPHAT CATHEDRAL**

Owner: St. Josaphat Ukrainian Catholic Parish  
 Designer: David Murray Architect  
 General Contractor: Clark Builders  
 Masonry Contractor: Scorpio Masonry (Northern) Inc.

St. Josaphat Cathedral has been designated by the Province of Alberta and the City of Edmonton as an historical site. The cathedral was completed in 1945 using the volunteer labor of the parishioners. Concrete bond beams with a sculpted profile are installed at various elevations. As a result, repointing of the brick required attention to detail. Matching mortar colour and removal

and replacement of the deficient mortar were performed to a very high standard.

The bond beams were reinforced by bolts, as this was material readily and cheaply available at the time. The bolts rusted and caused the concrete to crack. Pieces of concrete started to separate and fall off the building. A form was constructed that matched the profile of the beam and drilled dowels into the existing concrete.

## The Advantages of Masonry

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## AWARD OF EXCELLENCE



## PRIVATE RESIDENCE, MOUNT ROYAL, CALGARY

Designers: Elevate Design Projects Inc.,  
Nam Dang-Mitchell Design Inc. and  
Urbano Design and Development Ltd.

General Contractor: Mission Homes

Masonry Contractor: Jackson Masonry Ltd.

Masonry Supplier: Brock White Construction Materials

This residence was designed as a full masonry wrap that used Waterton brick and Indiana limestone trim, sills, headers, jams, panels, columns, balustrades and capping. The Georgian style is certainly a classic. It's easy to copy previous detail but there is something special about expressing an architectural flavor with a personal spin. This classic form on a prominent Mount Royal street is enhanced with a subtle contemporary twist. Coursed brick and custom cut limestone enhance the grand classic facade. The impressive entry is flanked by 12-foot-tall iconic, carved columns and the balcony rails are custom profiled and meticulously detailed.

AWARD OF  
MERIT

## GRAPHITE RESIDENCE

Designer: DeJong Design  
Associates Ltd.

General Contractor: Insignia  
Custom Homes

Masonry Contractor: Absolute  
Masonry

Masonry Supplier: Cast Supply  
Engineer: Bravura Engineering

To protect the privacy of the clients, while allowing a connection to the exterior, we used perforated brick walls as screens to filter the view to and from this art deco style home. In addition to privacy, visual protection was important given the main floor's proximity to grade. The buttressing walls help provide a sense of inside/

outside living, and the perforated portions provide natural lighting. To accentuate the contemporary style, a twelve-inch brick with one-third to two-thirds bond was employed. The natural stone elements act as brick caps and are located atop the screen and brick walls and fireplace notably.

HONOURABLE  
MENTIONPRAIRIE STYLE  
RESIDENCE

Designer: DeJong Design Associates  
Ltd.

General Contractor: Rawlyk  
Developments

Masonry Contractor: Rocky  
Mountain Masonry

Masonry Suppliers: Brock White  
Construction Materials  
and I-XL Building Products

Engineer: Cascade Engineering  
Group

Located in a community developed in the late '50s, it was important to design a home that would pay homage to the architectural vernacular and not feel intrusive. When decisions were made on exterior finishing, it was brought to the client's attention that brick masonry provides excellent rain screen construction qualities, and how well suited it is for our climate here in Alberta. After this discussion, there was never an option that the house would be clad with anything

but brick. A twelve-inch brick was used to give the home a contemporary feel and also pay tribute to the prairie style that influenced the design language of the neighbourhood. Utilizing a one-third bond allows the home to feel long and linear. Manitoba Tyndall Stone was used for the caps and trim work, chosen to perfectly complement the colour of brick used and for its prominent use in Alberta's government buildings.

### 1120 PROSPECT AVE

Designer: Maillot Homes  
 General Contractor: Maillot Homes  
 Masonry Contractor: Hammer Masonry  
 Masonry Supplier: Brock White Construction Materials  
 Engineer: Bravura Engineering

This elite custom home utilized local full bed depth Rundle stone paired with Tyndall stone accents. To get a solid clean look six custom Tyndall stone pillars were used to structurally support the front and rear entrance roofs. The entire railing surrounding the front balcony was crafted from Tyndall. Every stone on this house was hand pitched and provides contemporary features on a colonial style home.



### 25TH

Designer: DeJong Design Associates Ltd.  
 Masonry Contractor: Am-Can Masonry  
 Masonry Suppliers: I-XL Building Products and Rocky Mountain Stone Supply

This cottage style family home with a detached garage is showcased by its brick and natural limestone exterior finishes. The classic rich red brick blends beautifully with the natural full bed limestone sills, headers, caps and accent stones. The two towering chimneys with inset corbel detail panels set the tone for the corner lot. The full bed brick and limestone continue on the detached garage with a built-in fireplace. The masonry fireplace is the focal point of the backyard.

### 35TH

Designer: Michael R. W. Bauer  
 Masonry Contractor: Am-Can Masonry

The masonry face of this Tudor style duplex illustrates how a new build can be inspired by traditional Calgary and other small town Alberta looks. Cranberry red brick with natural cut and pitched sandstone provide a timeless look. The natural cut and pitched sandstone base courses, headers and keystones all blend gracefully. The brick barrel arches at the entry and over the windows provide architectural focal points.



### 620 CRESCENT ROAD

General Contractor: Maillot Homes  
 Masonry Contractor: Hammer Masonry  
 Masonry Supplier: Brock White Construction Materials  
 Engineer: Bravura Engineering

This Georgian style home integrates traditional brick with limestone accents. The raven black brick combined with white snowflake mortar provides a fresh take on a classic architectural style. The design also includes structural limestone headers and sills on all of the windows, along with a unique limestone arch, which was designed as a highlight feature of the front entrance portico.



## SINGLE FAMILY RESIDENTIAL

**A SALUTE TO THE BEAUTY OF MASONRY**

Owner: Andreasen Masonry  
Masonry Suppliers: I-XL Building Products and Brock White Construction Materials

This home was originally clad in vinyl siding and artificial stone which was removed and completely refinished in brick and natural stone. I incorporated designs taken from my Danish heritage as well as travels to the Iberian Peninsula. In addition to the exterior of the home, several garden walls with matching architecture were constructed. This work is a salute to my father who immigrated from Denmark in 1951, and founded one of Calgary's early masonry contracting companies. I joined him as an apprentice in 1975 and continued working with my father until he was in his seventies. I now am nearing that age and am very proud to use brick and stone as timeless building materials here in our city.

**ALBERTA FOOTHILLS**

Designer: DeJong Design Associates Ltd.  
General Contractor: Waterford Homes Inc.  
Masonry Contractor: Stonehouse Masonry  
Masonry Supplier: Brock White Construction Materials  
Engineer: ISL Engineering and Land Services

Situated in the southern Alberta foothills, this summer home was designed and remodeled for a client who loves natural elements and geology. The existing footprint and layout of the house were unaltered, with the exception of the main entry and window openings. A new mono pitch

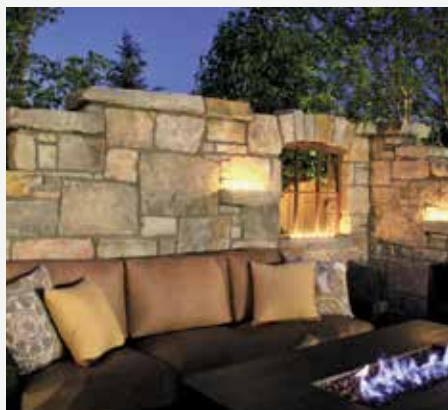
timber roof structure was designed to change the style of the home and enhance the existing spaces within.

To keep with a theme of natural elements, full bed stone masonry and stone capping was used to anchor and root the structure into the landscape, which was then paired with exposed timber structures to create a contemporary mountain cabin design. Given the vast overhangs of the home, it was important that the stone buttressing walls created balance, and tapered stone walls mirror the effect of the timber elements.

**BRISTOL TOWNHOMES**

General Contractor: Birchwood Properties  
Masonry Contractor: Am-Can Masonry  
Masonry Supplier: I-XL Building Products

This delightful brownstone project in Quarry Park features beautiful dark manufactured stone with light colour trim stones and arches that transform these six townhomes into one community all on its own.

**CRANSTON OUTDOOR LIVING SPACE**

Owner: Caroline Proulx  
General Contractor: LMent Stone  
Masonry Contractor: LMent Stone  
Masonry Suppliers: Brock White Construction Materials, K2 Stone (Calgary) Inc., and Rocky Mountain Stone Supply

The client wanted the feel of a mountain escape in the city which was delivered by using natural Montana stone. This outdoor living area included a natural stone fireplace, outdoor kitchen, privacy wall, and pillars. All concrete pads, piles, CMU structure and stone were completed under our scope. The wood burning fireplace features

a 48-inch firebox. The fireplace features a 20-foot-high chimney stack, and the kitchen has a 20-foot-long counter with built-in barbecue, smoker, fridge, waste removal, and storage drawers. Traditional methods were used to construct the three stone arches over the firebox and log storage areas.

## GEORGIAN RESIDENCE

**Designer:** DeJong Design Associates Ltd.  
**General Contractor:** Waterford Homes Inc.  
**Masonry Contractor:** Stonehouse Masonry  
**Masonry Supplier:** Brock White Construction Materials  
**Engineer:** Cascade Engineering Group

Located in one of Calgary's oldest communities, the clients wanted a home reminiscent of Georgian architecture. Great lengths were taken in research and design to honour the characteristics and remain true to the era of the style. To truly reflect Georgian architecture, brick was cut as little as possible to resemble the craftsmanship when masonry saws were not commonplace. Heavily influenced by Calgary's historical buildings, the selection of brick colour, bond and use of stone trim were crucial to the design and important to meet the era's design standards. Sandstone was selected to complement the orange-red colour of the brick and styled to suit design elements that would have traditionally been seen, including the entryway, various accents pieces, and stone bands.



## HUGHES

**Designer:** Casabella Construction  
**General Contractor:** Casabella Construction  
**Masonry Contractor:** Frank's Masonry Inc.  
**Masonry Supplier:** Stone Concepts Edmonton

This executive style home with an attached garage lends itself an upscale look with the use of stone masonry comprising the majority of the front elevation. A hint of stucco helps accent the masonry.

## MISSION HOMES SHOW HOME

**Owner:** Mission Homes  
**Designer:** Darcy Lundgren  
**General Contractor:** Mission Homes  
**Masonry Contractor:** Jackson Masonry Ltd.  
**Masonry Suppliers:** Brock White Construction Materials and Rocky Mountain Stone Supply

This Mission Homes show home is a full masonry wrap completed with Waterton rumbled brick and Indiana limestone banding, headers, sills and capping. This beautiful traditional home was inspired by the formal brownstone architecture that you see in historic neighbourhoods in New York.

The detailing that wraps this home creates a stepped brick base with a beautiful buttress at the corners. The intent for this was to create a home that visually, from the street, felt like it was structurally anchored to the ground. The limestone capping as the steps in the brick moved upward to the roof line helped define each step and transition from grade to eave. The colour palette for this home was kept minimal with a light colour on the windows and a black front and back entry to enhance the elegant formal nature of the home. Clean simple detailing capped the large chimneys on the home and in the courtyard fireplace that is attached to the garage in the back. The masonry detailing continued into the landscaping and the front entry step to complete the formal inspiration.



## MOUNT ROYAL ADDITION AND CUSTOM GARDEN WALLS

**Owner:** W. Brett Wilson  
**General Contractor:** Rockwood Custom Homes  
**Masonry Contractor:** LMent Stone Ltd.  
**Masonry Supplier:** Brock White Construction Materials

This project began as an addition to a red brick home with a sandstone foundation that was built in 1909. To preserve the integrity of the original architecture, reclaimed sandstone and a very closely-matched red brick were used to unify the elements together. The project scope grew into completing a series of rounded and straight garden walls throughout the backyard, as well as some minor foundation restoration. Three hand-carved sandstone date stones and branded bricks are evident within the walls. A total of 18,000 bricks, 400 custom concrete caps and several tons of reclaimed sandstone were used to showcase the beautiful elegance of the project.

## MOUNT ROYAL RETAINING WALL RESTORATION

Owner: Mike and Linda Shaikh  
 General Contractor: LMent Stone  
 Masonry Contractor: LMent Stone  
 Engineer: Wolsey Structural Engineering, Ltd.

The wall was built by in the late 1880s by the Canadian Pacific Railroad. Locally sourced sandstone was used in its construction. Our restoration process included complete removal of all rotted mortar and stone. Rebuilding/repair were completed as necessary. Wall cavities were filled with core grouting methods. All replacement sandstone was reclaimed from local buildings. Traditional lime mortars were used for the entire project. There were three areas of the wall that had to be completely taken down and rebuilt. These areas had all the soil removed/excavated from the back side, as well as lime parging and foundation tar applied to the newly constructed sections before backfilling with washed gravel. The project took two years to complete.



## NATURAL STONE FROM TURKEY

General Contractor: Ridgecrest Developments  
 Masonry Contractor: DMC Construction Inc.  
 Masonry Supplier: Universal Slate and Tiles

This Tuscan style home uses natural stone from Turkey that was hand chiseled to accent the stucco.

## PRIVATE RESIDENCE #1

Designer: Adorn Masonry Ltd. and Owner  
 Masonry Contractor: Adorn Masonry Ltd.  
 Masonry Supplier: Proform Construction Products

The natural stream stone flats were split, and corners cut on site to make a thin stone veneer. There are three full-size stones used as corbels to support the mantel. The mortar was darkened with a black colour to deepen the contrast between stone and mortar. The hearth is granite that matches the counter tops. The wood mantel extends 11" from the stone work. The fireplace is an RSF Delta, that is installed in an 8" concrete block chase, from the bottom of the hearth to the top of the chimney. The wood

doors inside hide the wood box that has an exterior door that is used to load the firewood. The concrete blocks are filled with zonalite and are insulated on the exterior with 2" styrofoam. The exterior door was custom made insulated and covered with stone. The chimney chase was capped with chocolate hearth stones that were used to match the colour of the brown metal roof.



## PRIVATE RESIDENCE #2

Designer: Daniel Beaunoyer and Adorn Masonry Ltd.  
 General Contractor: Daniel Beaunoyer  
 Masonry Contractor: Adorn Masonry Ltd.  
 Masonry Supplier: Proform Construction Products and Brock White Construction Materials

Stone was used to complement the wrought iron. The stone was manufactured by using carbon capture. Black mortar colouring was used to match the wrought iron. The products used were Artiste Marble grey from Brampton Brick, the capstones were graphite in colour and manufactured by Rocky Mountain Concrete.

### PRIVATE RESIDENCE #3

Designer: AV Architecture Ltd.  
 General Contractor: CANA Group of Companies  
 Masonry Contractor: Pockar Masonry Ltd.  
 Masonry Supplier: Thunderstone Quarries  
 Engineer: MMP Structural Engineering Ltd.

This Tudor style home commands attention due to its harmonious use of heavy timber, precast concrete, limestone, and Rundlestone. The warm colour of the timber offsets the grey hue of the stone. The rustic texture and random pattern of the stone contrast the precisely crafted finish of the precast and limestone sills and arches. Rundlestone was chosen because it could be locally

sourced and, due to its versatility, could create a strong connection to the landscape. It was used as full bed cladding on the house, retaining walls and interior wood burning fireplaces, as veneer cladding on gas fireplaces and chimneys and in boulder form in the landscape. While used as a base material rooting the wings of the house, Rundlestone creates a crescendo effect when used as the primary cladding on the canted walls of the entry porte-cochère and the rear central gable.



### PRIVATE RESIDENCE, BOWNESS, CALGARY

Designer: John McLellan  
 General Contractor: Empire Custom Homes Ltd.  
 Masonry Contractor: Jackson Masonry Ltd.  
 Masonry Suppliers: K2 Stone (Calgary) Inc. and Rocky Mountain Stone Supply

This residence utilized Elkridge full bed natural stone and Indiana limestone sills and capping. The inspiration for the home design originated from the desire to blend a classic craftsman home style with the mountain aesthetic. Playing off the clients' desire for a bold red home, the combination of heavy timber, wood soffit, and fascia with lap siding called for a strong and colourful stone choice with a large-format option that wouldn't get lost in the detailing. The stone choice with heavy limestone capping complemented the architectural goals. The stone-wrapped foundation was a critical piece of a complex design.

### PRIVATE RESIDENCE, RED DEER

Designer: DeJong Design Associates Ltd.  
 General Contractor: PN Construction  
 Masonry Contractor: Jackson Masonry Ltd.  
 Masonry Suppliers: Brock White Construction Materials, K2 Stone (Calgary) Inc. and Rocky Mountain Stone Supply

This residence was designed to have an old world look incorporating Cherokee brick and a blend of Chief Cliff random ashler sandstone and Mussel Shell River tumbled sandstone and Cleveland Quarries custom cut sills, headers, capping, corbels and insets. All of the gable ends were designed to look as though the masonry runs right through the roof line with multiple wythe load-bearing walls with cornice capping. The work is flush cut jointing to have a reclaimed, exposed wall finish.



### PRIVATE RESIDENCE, RIVERDALE 1, CALGARY

Designer: McDowell & Associates Inc.  
 General Contractor: Koronko Custom Homes  
 Masonry Contractor: Jackson Masonry Ltd.  
 Masonry Suppliers: Brock White Construction Materials and Amico Stone Supply

This residence was designed to have a mountain theme in an urban setting. The masonry selected was a blend of four different full bed natural stones laid as a rubble with black limestone capping, sills, and headers. The interior two-story fireplace is a 48-inch Rumford wood burning full masonry fireplace. The mantle and hearth were custom cut out of black basalt. The interior walls incorporated in the kitchen and den are the same blend of stones cut into a thin veneer. The wine retreat and wine cellar are full masonry and the floor is a flagstone to match the walls.

## SINGLE FAMILY RESIDENTIAL

**PRIVATE RESIDENCE, RIVERDALE 2, CALGARY**

Designer: John McLellan  
 General Contractor: Empire Custom Homes Ltd.  
 Masonry Contractor: Jackson Masonry Ltd.  
 Masonry Suppliers: Brock White Construction Materials, I-XL Building Products and Rocky Mountain Stone Supply

This residence was an extensive addition/renovation of a 100-year-old red brick and Paskapoo sandstone house. The original masonry was removed and replaced with a blend of brick, stone, and concrete to replicate the original home. The masonry utilized was Cleveland Quarries grey three size cut ashler, rock face stone, Interstate terracotta smooth finish brick and Indiana limestone. New cut stone window headers, jambs, and sills coupled with vast fields of red brick allowed us to create a striking modernized expression of the classic brick and stone facade.

**PRIVATE RESIDENCE, TURNER VALLEY**

Designer: Locati Architects  
 General Contractor: Locati Architects  
 Masonry Contractor: Jackson Masonry Ltd.  
 Masonry Supplier: K2 Stone (Calgary) Inc.

This residence was designed from an inspiration of an award-winning timber frame ranch home in Bozeman, Montana. The masonry was carefully chosen and utilized a blend of Moss Rock and Moose Mountain and Moose Mountain natural ledge slabs carved into sills, capping, hearths and stair treads. For this custom Alberta residence, we worked with Jackson Masonry to find the right blend and style of stone to accent the true rustic qualities of the home. With attention to detail and craftsmanship, key features of the home were highlighted while blending with the other natural materials.

**PRIVATE RESIDENCE, WILLOW PARK, CALGARY**

Designer: McDowell & Associates Inc.  
 General Contractor: Mission Homes  
 Masonry Contractor: Jackson Masonry Ltd.  
 Masonry Suppliers: Brock White Construction Materials and Rocky Mountain Stone Supply

This residence was a complete teardown and re-build designed to incorporate Cleveland Quarries full bed sandstone, random split ashler pattern, Indiana limestone sills and capping, and Antiquities sandstone pavers, split cleft finish. The home is nestled among the trees on the Willow Park golf course and combined cedar, stucco, and stone to take old-world materials to a modern, contemporary style of home.

**QUARRY PARK BLVD**

Designer: NORR Architects Engineers Planners  
 General Contractor: Birchwood Properties  
 Masonry Contractor: Am-Can Masonry  
 Masonry Supplier: I-XL Building Products

Quarry Park Boulevard town homes offer an elegant display of a variety of masonry combinations. Using concrete block to build out manufactured stone to create the look of full bed stone to supporting brick work above. The fusion of different colour bricks within the walls, accent trims, quoins, and arches is truly an architectural sight to behold. These striking combinations accent each other from home to home. In a community that is designed both as a walk-to-work and shop community, the masonry on this boulevard recreates the look of the early years of small-town Alberta.

**SEGUIN/BERTRAND RESIDENCE**

Owners: Ronald J (Jack) Seguin and Diane Bertrand  
 Designer: Pioneer Log Homes  
 Masonry Contractor: Marcon Masonry Ltd.  
 Masonry Supplier: Brock White Construction Materials

This log style home with a masonry skirt has various significant architectural features. A fireplace in the master bedroom is cut limestone with an historical stone ribbon salvaged off a building. The guest suite fireplace is natural stone thin veneer. There are two wall areas with full height stone, as well as 21 stone posts under huge support logs.



**THE ROYAL**

Designer: McDowell & Associates Inc.  
 General Contractor: Monogram Homes  
 Masonry Contractor: Am-Can Masonry  
 Masonry Supplier: Brock White Construction Materials and Architectural Cast Stone  
 Engineer: Silver Tree Structural Ltd.

This chateau-style full masonry wrap home incorporates brick and cast stone. Highlighted are the cast stone bases, trims, sills, rails, columns and cornice stones. This elaborate brick wrap boasts copious design details including soldier coursing, rowlocks, corbel brick, arches, and herringbone patterns. All of these elements work to create a home designed to emulate an old-world build. It is impossible to tell if it is a new build or a hundred-year-old-plus legacy home. Full masonry wraps are truly an awe-inspiring sight, with beauty that will last for generations to come.

**WATERMARK SHOW HOME**

Designer: Lukas Developments  
 General Contractor: Lukas Developments  
 Masonry Contractor: Jackson Masonry Ltd.  
 Masonry Supplier: Brock White Construction Materials and Rocky Mountain Stone Supply

This residence was a contemporary design that infused old world European timber and stone design for a modern take on a timber frame look. The masonry incorporated a single course of fully-faced limestone units and rock-faced limestone sills and wall caps. The same stone was used on the interior throughout the house including feature walls, kitchen accents and foyer walls. The front vestibule was created to look like a multiple-wythe masonry wall in order to blend the exterior masonry with the interior. This residence was one of the first full bed masonry projects in Watermark.



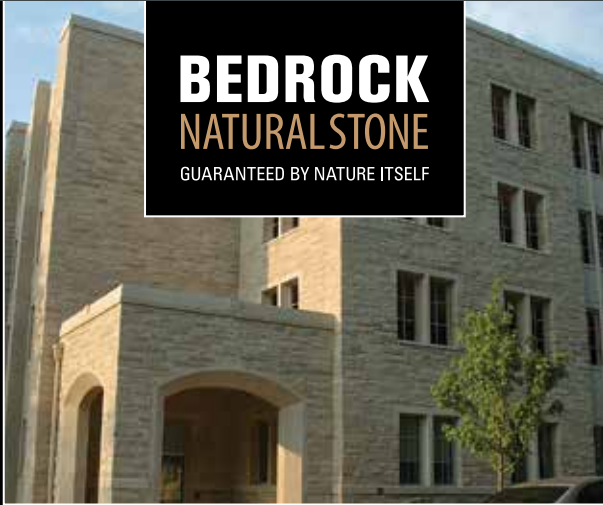
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# STRUCTURAL MASONRY DESIGN

## AWARD OF EXCELLENCE



### SHOULDICE ATHLETIC PARK

Owner: The City of Calgary  
Designer: S2 Architecture  
General Contractor: EllisDon  
Masonry Contractor: Pockar Masonry Ltd.  
Engineer: Entuitive Corporation

The goal when designing this recreational building was to create a serviceable building that requires very little maintenance while still enhancing the aesthetics of the surrounding landscape. This was achieved with the use of structural charcoal burnished block combined with bold colour allowing for durability to combine with the design. Other walls allow for a diverse architectural look with the use of split-faced limestone.

## AWARD OF MERIT



### MOBIL 1 EXPRESS LUBE

Owner: Sanaco Properties Ltd.  
Designer: Richards Consulting & Associates Ltd.  
General Contractor: Sanaco Properties Ltd.  
Masonry Contractor: Aurora Masonry Ltd.  
Masonry Suppliers: Expocrete and Brock White Construction Materials  
Engineer: Richards Consulting & Associates Ltd.

This commercial retail unit utilized load bearing split-face block in conjunction with manufactured stone seen at the base of the wall, which incorporates the structural with the architectural. In one step, a structural building that is aesthetically pleasing to the public and community around it is achieved.

## HONOURABLE MENTION



### TROLLEY 5

Owner: PJ L'Heureux  
Designer: Moda  
General Contractor: Create Construction Group Ltd.  
Masonry Contractor: Aurora Masonry Ltd.  
Masonry Supplier: Lafarge  
Engineer: Brickhouse Structural Engineering Ltd.

When Trolley 5 was imagined it had to seamlessly blend with the existing buildings on either side of it on Calgary's famous 17<sup>th</sup> Avenue. Existing buildings were built in the 1920s so you had to maintain the architectural feel of the street with any new development. A modern feel was desired while maintaining the integrity of the heritage buildings beside it. The result, a modern twist on an old standard, cinder block as the framework of the building with modern touches all around it.

## BASEBALL DUGOUTS

Owner: Town of Bonnyville  
 Designers: Town of Bonnyville and Adorn Masonry Ltd.  
 General Contractor: Town of Bonnyville  
 Masonry Contractor: Adorn Masonry Ltd.  
 Masonry Supplier: Expocrete

The use of burnished block provided the durability needed for a longstanding dugout. Stack bond pattern combined with light coloured mortar produced architecturally pleasing clean lines. Dugouts are frequently exposed to impacts from baseballs. The use of concrete masonry provided a highly durable, impact-resistant structure while simultaneously providing aesthetics in a single wall system.



## LACOMBE POLICE FACILITY

Owner: City of Lacombe  
 Designer: Stephens Kozak ACI Architects and Planners  
 General Contractor: Chandos  
 Masonry Contractor: J.R. Masonry Western Ltd.  
 Masonry Suppliers: I-XL Building Products, Expocrete and Brock White Construction Materials  
 Engineer: BPTec Engineering Ltd.

The Lacombe Police Facility had a number of masonry features. Structural concrete block walls can be found in the garage area as well as the cell block locations. The concrete block throughout the cell block area was reinforced with a combination of rebar and concrete to help minimize the possibility of escape. The cells were built in a fashion that no sharp edges could cause harm to the incarcerated. Glass block was used throughout the cell area to help provide a day time light source. The exterior has a combination of clay Hebron brick, Expocrete Terrazzo veneer block and Shouldice architectural sills. This combination of timeless brick and new age terrazzo block created a beautiful new police facility in the small city of Lacombe.

## OAKRIDGE ARENA

Owner: The City of Calgary  
 Designer: Gibbs Gage Architects  
 General Contractor: PCL Construction  
 Masonry Contractor: Aurora Masonry Ltd.  
 Masonry Supplier: Lafarge  
 Engineer: MMP Structural Engineering Ltd.

Split face block was used on the outside of the arena expansion to increase the beauty of the project while inside concrete block formed all of the walls for the new dressing rooms and vestibule area.



## POINTS WEST LIVING

Owner: Points West Living Wetaskiwin Ltd.  
 Designer: Rockliff Pierzchajlo Kroman Architects Ltd.  
 General Contractor: Premier Building Solutions  
 Masonry Contractor: Westar Masonry  
 Masonry Supplier: Expocrete  
 Engineer: Siefken Engineering Ltd.

The use of concrete block is evident in the stairwells and elevator cores. Discussions on the type of construction varied from steel structure, cast in place concrete, precast concrete panels and concrete block. The decision to go with masonry was based on the recommendation by the Premier Building Solutions. It was based on schedule, coordination with other trades and cost.



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## AWARD OF EXCELLENCE



### CRAFT BEER MARKET SOUTHCENTRE MALL

**Owner:** PJ L'Heureux  
**Designer:** Mckinley Burkart  
**General Contractor:** Create Construction Group Ltd.  
**Masonry Contractor:** Aurora Masonry Ltd.  
**Masonry Supplier:** I-XL Building Products  
**Engineer:** Entuitive Corporation

The design was inspired by an attempt to pay tribute to long-lost historic landmarks and industry pioneers from Alberta's past, such as the legendary Calgary Brewing & Malting Company in Inglewood. The use of brick in the new CRAFT Beer Market became a paramount and necessary building material to be used that would help reflect the character of the various emerging craft breweries to be supported by the venue and help tell their story. The masonry work is one of the exterior and interior showpieces to be celebrated in this project for the material's honesty of construction and integrity in the craftsmanship. The masonry and brickwork employed reinforces the warehouse aesthetic and helps to create a mix of beautiful rustic and industrial finishes, which add texture and depth to space, second to none for its durability and show of strength.

## AWARD OF MERIT



### SHAW COURT – NEW EXTERIOR STONE

**Owner:** Shaw  
**Designer:** DIALOG  
**General Contractor:** Stuart Olson  
**Masonry Contractor:** Pockar Masonry Ltd.  
**Masonry Supplier:** Brock White Construction Materials  
**Engineer:** DIALOG

This beautiful building was originally built in the 1990s for Shell Canada using Manitoba Tyndall Stone (the tower) so the natural choice for additional work (the lower three-storey area) for Shaw Communications would be the same great product. Although the stone itself is timeless the new design reflects the creativity and strength of today's engineering and architecture.

## HONOURABLE MENTION

### SILVERTIP ENTRANCE FEATURE

**Owner:** Stone Creek Resorts Inc.  
**Designer:** Jon Astolfi  
**General Contractor:** PCL Construction  
**Masonry Contractor:** Aussie Masonry Ltd.  
**Masonry Supplier:** Thunderstone Quarries  
**Engineer:** ISL Engineering and Land Services



As a precursor to a first-class resort targeting an international tourist market in the Bow Valley (Silvertip Village), expressing the uniqueness and grandeur of the Canadian Rocky Mountain landscape requires the selection of vernacular and indigenous materials. The architectural language of Silvertip builds on the time-tested design patterns, sensibility, and beauty of traditional European hill towns originally brought to Canada through the inspiration of the great chateau-hotels of the Canadian Rockies. Silvertip will not only be one

of the most memorable places, but more importantly will stand the test of time socially, environmentally, and economically.

Black Rundle stone was the choice of materials to capture these sentiments in an entry feature to Silvertip in two sculptural monuments over 14m in length and 3m high flanking the only entrance into the community. It is an indigenous product sourced from two quarries within 10km of the site. While being a low-maintenance material, it has stood the test of time in many projects that complement the majestic environmental context.

## THIN MASONRY VENEER – COMMERCIAL

**JD COLLISION**

Owner: JD Collision  
 General Contractor: Major Builders  
 Masonry Contractor: Adorn Masonry Ltd.  
 Masonry Supplier: I-XL Building Products

The exterior renovation was needed after forty years in business. Stack Stone Pewter was chosen because of the tinge of orange colour for a contrast between the black and orange stucco. The water table sills were from a different manufacture in order to have a coal sill which was also used for contrast.

**LEGION 1918 TAP & TABLE RESTAURANT**

Designer: pop design group Inc.  
 Masonry Contractor: Cornerstone Masonry  
 Masonry Supplier: I-XL Building Products

We at pop design group inc. designed Legion 1918 with the intention of this local pub to be casual, comfortable and rustic in nature. We felt a beautiful brick wall was the perfect feature behind the bar to showcase the height and emphasize the volume of the room. We love the texture and colour of brick and felt it was the perfect choice to complement our selection of woods and metals. We wanted to create the feeling that the brick has been there for a long time and loved the idea of its durability and longevity.

**MRC GLOBAL**

Owner: MRC Global  
 General Contractor: Voth Construction  
 Masonry Contractor: Adorn Masonry Ltd.  
 Masonry Supplier: Brock White Construction Materials

This commercial building used stone masonry veneers to diversify the architectural look with the mocha coloured stucco. A tribute to Roman arches is evident with the keystone feature over the entryway.

**MS SCHIPPERS**

Owner: MS Schippers  
 Designer: Axiom Architecture Inc.  
 General Contractor: Tricon Developments  
 Masonry Contractor: Westar Masonry  
 Masonry Suppliers: Brockwhite Construction Materials and Expo-Crete  
 Engineer: Grubb Engineering

This commercial retail building used the combination of stone masonry veneer and siding to foster an architectural look which invokes the feel of styles of the Albertan communities surrounding it. The stone masonry pillars at the entrance way add a dynamic component to the building.

## PHARMASAVE

Owner: Pharmasave  
 General Contractor: Major Builders  
 Masonry Contractor: Adorn Masonry Ltd.  
 Masonry Supplier: Brock White Construction Materials

The Pharmasave drug store in Bonnyville under went a complete renovation inside and out. The use of a natural stone to a height of four feet on the front and back walls was important for durability. This was due to previous damage by shopping carts. The stone used was Pangaea Natural Stone – West Coast Quartzite LedgeStone with jumpers (larger stones) blended in to break up the joints in the long walls. A wet-look sealer was applied to the stone to enhance the colour and texture of the stone.



## PLAZA 1319

Owner: PH Design Ltd.  
 Designer: PH Design Ltd.  
 General Contractor: PH Design Ltd.  
 Masonry Contractor: Aurora Masonry Ltd.  
 Masonry Supplier: Proform Construction Products

The building was to be a very mixed-use structure incorporating residential, office, commercial and, of course, parking. In addition to these design requirements, the City of Calgary planning department required that it incorporate an urban look and feel. Also, the owners wanted to head in the low carbon footprint direction, while not getting fully immersed. Many elements were explored such as large amounts of glass, terracing, and

stepping to name a few. Once the structure developed far enough to incorporate most of the client's functional needs, it was time to delve into the exterior look to create a building that was architecturally-pleasing, cost-effective and urban in nature. Stone was found to be the best solution to add luxury and old world charm and yet its timeless nature lent to its ability to smoothly fit into the urban environment requirement. The solution, as it sits today, involved using large columnar stone anchors and heavy wooden exterior truss elements with a cascading elevational flow to deliver a richness and sophistication for the future that portrays evidence of a past.

## ROCK RIDGE DAIRY

Owner: Rock Ridge Dairy  
 Designer: Patrick and Cherylynn Bos  
 General Contractor: Patrick and Cherylynn Bos  
 Masonry Contractor: Westar Masonry  
 Masonry Supplier: Brock White Construction Materials

Building a new milking parlour is normally a once-in-a-lifetime event for most farms and the parlour and the building that houses it is expected to last a great deal of time. Our barn is the focal point of our yard and business and receives a fair number of local, national and international visitors and attention. As a result, it was important for us to incorporate certain aesthetic

features to help the barn move from simply a utilitarian structure to a thing of beauty that reflects the pride of ownership. Stone, although not normally used for barns, was a natural choice to add the look and feel we wanted and worked well with the rounded face of the structure that we wanted to be highlighted. The end result was a stunning building that harmonizes well with the natural surroundings. Additional stone details and accents helped to mesh both old structures like our 1933 hip roof barn and new structures together on our farm for a complete well thought out look.



## ROYAL VISTA EMERGENCY RESPONSE STATION

Owner: The City of Calgary  
 Designer: S2 Architecture  
 General Contractor: Bird Construction Company  
 Masonry Contractor: Pockar Masonry Ltd.  
 Masonry Supplier: Brock White Construction Materials  
 Engineer: TRL & Associates

A unique system was used to anchor the thin limestone panels on this institutional building. A dynamic mix of material and the use of masonry combine for a unique architectural feel to the building. Many exterior cladding products were used on this facade and this new innovative masonry product proved to be a good choice along with the other newer products shown here.



THIN MASONRY VENEER – COMMERCIAL

**ST. STEVENS CATHOLIC PARISH**

Owner: St. Steven's Catholic Parish  
 Designer: Rick Balbi Architect Ltd.  
 General Contractor: Scott Builders  
 Masonry Contractor: Westar Masonry  
 Masonry Supplier: Northland Construction  
 Engineer: Sveinson Consulting Engineers Ltd.

The masonry was chosen to closely represent the existing stone that was on the original building. The two columns that are on the west side of the building still have the original stone masonry.



**TIMBERLANDS CO-OP**

Owner: Co-op Federation Ltd.  
 Designer: DIALOG  
 General Contractor: KorAlta Construction  
 Masonry Contractor: Westar Masonry  
 Masonry Supplier: Brock White Construction Materials  
 Engineer: DIALOG

This commercial retail building features adhered manufactured stone veneer to accent the red stucco and add an architectural focal point to the building.



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# THIN MASONRY VENEER – RESIDENTIAL

## AWARD OF EXCELLENCE



### PRIVATE RESIDENCE DIONS

Designer: Adorn Masonry Ltd.  
Masonry Contractor: Adorn Masonry Ltd.  
Masonry Supplier: K2 Stone (Calgary) Inc.

The homeowners picked this natural thin stone because of the contrasting colours within the stone. The sills used are a natural limestone. The sidewalks, patio area and steps in the front and down the side of the house were paved with a natural stone.

## AWARD OF MERIT



### THE ASPEN

Designer: Baywest Design Team  
General Contractor: Baywest Homes LP  
Masonry Contractor: Am-Can Masonry  
Masonry Supplier: I-XL Building Products

An elegant mix of a modern design with grassroots natural stone. The well-conceived and executed design on this thin veneer stone allows for the illusion that the masonry walls are of full bed depth. This beautiful natural stone, cut to 2, 4 and 6-inch height, creates exquisite clean lines, fitting both the modern and traditional build. The massive front entry chimney provides a warm welcoming to the stunning home.

## HONOURABLE MENTION



### HUGHES

Designer: Casabella Construction  
General Contractor: Casabella Construction  
Masonry Contractor: Frank's Masonry Inc.  
Masonry Supplier: Stone Concepts Edmonton

This executive style home with an attached garage lends itself an upscale look with the use of stone masonry comprising the majority of the front elevation. A hint of stucco helps accent the masonry.

### ANNETTE

Owner: Kyle Annette  
 General Contractor: Casa Bella Construction  
 Masonry Contractor: Frank's Masonry  
 Masonry Supplier: Stone Concepts

This Tudor style home combines natural stone veneer with siding to provide an Albertan take on a classic architectural style. The use of masonry provides an architectural highlight to the entryway of the home.



### GERMAIN PRIVATE RESIDENCE

Owner: Shane Germain  
 Designer: SJG Contracting  
 General Contractor: SJG Contracting  
 Masonry Contractor: Adorn Masonry Ltd.  
 Masonry Supplier: I-XL Building Products

The home owners picked this manufactured stone because they wanted a very rustic looking stone. The mantel was made from a tree that was removed from the lot to make room for a new home. The mantel was cut and finished by the home owner. The size of the stone made it challenging to install on the exterior posts and beams at the main entrance. The stone gives a shadow effect and, to enhance this look, a charcoal mortar was used to install the stone.

### STALENHOEF

Owner: Peter Stalenhoef  
 General Contractor: Casa Bella Construction  
 Masonry Contractor: Frank's Masonry  
 Masonry Supplier: Brock White Construction Materials

This fireplace in a private residence utilized the look of thin Tyndall stone veneer to invoke a classic architectural feel to the outdoor patio and existing home.



### TRICO VERIDIAN

Owner: Trico Homes Ltd.  
 Designer: Casola Koppe Architects  
 General Contractor: Trico Homes Ltd.  
 Masonry Contractor: Aurora Masonry Ltd.  
 Masonry Supplier: Brock White Construction Materials  
 Engineer: Ferta Engineering Consultants Ltd.

This residential building used concrete block for the elevator shafts. Architecturally, adhered stone veneer was used in intervals to complement the bold choice of colour along with neutral colours evident in the siding.



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