

# the edmonton Specifier

Construction Specifications Canada is an organization representing diverse interests in the construction industry and related professions. It is dedicated to improving the quality and flow of information between these interests, whether in the form of specifications, contract administration or marketing.

June 2022 Edition

Editor: Tracey Stawnichy

## September, 2022

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<b>2022 / 2023 Edmonton Chapter Executive</b>		
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<b>Trade Contractor</b>	Kevin Kramers	587 232 0613
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<b>Owner's Rep</b>	Cam Munro	780 231 1739
<b>Sustainability</b>	Position Open	
<b>At Large</b>	Dave Lawrence	780 901 7260

<b>Advertising Rates</b>
<p><b>Business Card: April 1 to May 30</b>                      Rates cover your ad on our website 24 hours per day, 7 days per week.                      Business card on-line:                      Annual \$100 if received by May 1;                      \$75 if received by August 1;                      \$50 if received by November 1;                      \$25 if received by February 1                      Add \$50 to have a link to your company web site from the CSC Edmonton Chapter web page.</p>

<b>Chapter Sponsor</b>
<p><b>New Chapter Sponsor Bundles:</b>  <a href="http://edmonton.csc-dcc.ca/About+Us/Sponsor+Opportunities+-+CSC+Edmonton+Chapter/">edmonton.csc-dcc.ca/About+Us/Sponsor+Opportunities+-+CSC+Edmonton+Chapter/</a></p>

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<p>\$50 for Individual (personal) Sponsor                      \$250 for Corporate Sponsor</p>

**FOR FURTHER INFORMATION**

Contact any member of the Executive, attend one of our Chapter Meetings, send your name and address to CSC Edmonton Chapter, PO Box 35093 Mid Town PO. Edmonton, AB T5J 0B7, or go to [edmonton.csc-dcc.ca](http://edmonton.csc-dcc.ca) for additional contact information.

**GOALS OF CSC**

Construction Specifications Canada is a multi-disciplinary non-profit association dedicated to the improvement of communication, contract documentation, and technical information in the Construction Industry. CSC is a national Association with Chapters in most major Canadian Cities.

To this end, CSC pursues the study of systems and procedures that will improve the coordination and dissemination of information relevant to the construction process.

We seek to enhance the quality of the design and management aspects of the construction activity through programs of publication, education, and professional development, believing that by so doing, we can contribute best to the efficiency and effectiveness of the construction industry as a whole.

**OBJECTIVES OF CSC**

To foster the interest of those who are engaged in or who are affected by the compilation or use any forms of specifications for the construction industry.

To publish literature pertaining to the construction industry.

To engage in activities to improve procedures and techniques related to the construction industry.

**The opinions and comments expressed by the authors do not necessarily reflect the official views of Construction Specifications Canada. Also, appearance of advertisements and new product or service information does not constitute an endorsement of those featured products or services.**

## Announcements:

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## Chair's Message

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**Andrew Brassington, CSC Edmonton | Chapter Chair**

Hello, Chapter Members,

Welcome back! Hope you all had an incredible summer.

We've done some planning over the summer and are putting together a great program for you, starting in October.

Help our membership grow by taking advantage of some of these opportunities.

Stay tuned to your monthly Specifier, website, and our LinkedIn page.

Cheers!

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## Membership in CSC

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**Dave Lawrence**



In the construction industry's fast-paced environment, the need for and value of Construction Specifications Canada is greater than ever. CSC brings together individuals from all segments of the construction industry. All who have a vested interest in Canada's largest industry are invited to join CSC. When you join CSC, you become part of the only association that brings together professionals from all aspects of the construction industry.

### DESIGN TEAM

CSC offers members of the Design Team the opportunity to meet with other members and exchange information. It also affords you the chance to help improve technology and its management, and the means to improve ways in which your ideals are translated into clear, concise, and complete documentation.

### BUILDING TEAM

If you are a member of the Building Team, CSC offers you the opportunity to become involved in formulating specifications. Your valuable input into the programs can help generate time and cost savings, as well as improve performance.

### SUPPLY TEAM

The multi-disciplinary composition of CSC allows members of the Supply Team to meet with other members of the construction team. CSC programs in data filing and information retrieval are geared to present convenient and concise information on your products for proper evaluation and specification.

## THE STUDENT

If you are a student of architecture, engineering, or construction technology, CSC will provide you with a greater exposure to, and a better understanding of, the construction industry, giving you an excellent opportunity if you plan a career in the construction field.

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## People and Places – Welcome to new and past CSC Edmonton Chapter Members!

### Fresh Faces (New Members)

None this month.

### Yes, We've Moved (Contact / Mailing Address Update)

None this month.

### Previous Members Re-Joining / Re-Activated

None this month.

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## CSC Education:

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**Mike Ewaskiw, CTR**

### Principles of Construction Documentation

The PCD course is an introductory course that will enable the student to have a better understanding of construction documentation (specifications, drawings, and schedules), products, bidding procedures, and contracts. **It is also a prerequisite to all the other CSC education courses.**

### Specifier 1

Specifier 1 is an intermediate level course that will take the individual beyond the concepts previously introduced in the PCD Course. Although some of the same topics are included, the depth of comprehension and explanation exceed that of the PCD course. The Specifier 1 is a prerequisite for the Certified Specification Practitioner (CSP) designation from CSC. Successful completion of the course may be credited toward the experience component requirements for the Registered Specification Writer (RSW) designation.

### Technical Representative

The TR course provides a better understanding of contract documents and bidding procedures, product representation, professionalism, and ethics, and will provide a new depth of understanding and explanation of concepts beyond what was previously introduced in the PCD course. The course is designed for the individual involved in the supply section of the construction industry, such as manufacturer representatives, agents, or distributors of products. The student will have successfully completed the PCD course.

Contact Mike for all your education needs.

Mike Ewaskiw, CTR, Manager  
Architectural & Engineering Services  
P: 780-237-7844 E: [mewaskiw@stonhard.com](mailto:mewaskiw@stonhard.com)

## EDUCATION COURSES

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### Upcoming Classes:

Principals of Construction Documentation (PCD) – September 12, 2022 – November 7, 2022  
Specifier – TBD

Construction Contract Administration (CCA) – TBD

Technical Representative (TR) – TBD

### Upcoming Classes Online:

Principles of Construction Documentation (PCD) – September 12, 2022 (14 weeks)

Construction Contract Administrator (CCA) – TBD

Specifier – TBD

Technical Representative (TR) – TBD

### Upcoming Virtual Classes:

Principles of Construction Documentation (PCD) – September 23, 2022 (5 weeks)

Construction Contract Administration (CCA) – November 18, 2022 (5 weeks)

Specifier (SP) – November 4, 2022 (7 weeks)

Technical Representative (TR) – November 18 (5 weeks)

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### Social Media:

Check us out:





## Articles of Interest

### Space Perspective Develops “even more thrilling” Design for Space-Travel Capsule

Sourced from: <https://www.dezeen.com> / Amy Frearson



Spaceship Neptune is now spherical to improve comfort and safety

Space tourism company Space Perspective has unveiled a redesign of its travel capsule, promising passengers a smoother and safer journey to the edge of the stratosphere.

Space Perspective has worked with London-based industrial design studio Of My Imagination to redesign its Spaceship Neptune, which will use a giant hydrogen-filled balloon to fly tourists to space.

Now in production, the state-of-the-art spacecraft is designed to give passengers plenty of room to move around while they enjoy the 360-degree panoramic views.

Space Perspective promises the experience will be "safer, more comfortable, and even more thrilling" compared to its previous capsule concept.

"The team has come together to create an amazingly robust, safe, and incredibly elegant and luxurious system for Spaceship Neptune," said the company's founder, co-CEO and CTO, Taber MacCallum.

Due to begin commercial flights in late 2024, Spaceship Neptune consists of a climate-controlled, pressurised passenger capsule that is lifted into space by a giant, high-performance hydrogen balloon.

Space Perspective worked with design studio PriestmanGoode on the concept design, which was unveiled in 2020.



The pressurized capsule is lifted into space by a giant balloon.

Of My Imagination – a studio founded by ex-PriestmanGoode designers Dan Window and Isabella Trani – has since been working with the company to develop the production version.

The latest version includes a more spherical vessel that offers greater headroom for passengers, but also provides additional safety benefits due to its increased pressure resistance.

The vessel enables a more comfortable indoor climate, according to Space Perspective, thanks to a patent-pending thermal control system and reflective coatings applied to the exterior and windows, which reduce solar gain.

An enhanced splash cone has also been incorporated to create a gentler and safer landing as the

capsule descends down into the ocean – an approach that NASA recommends as being the most low-risk.

The news comes three months after Space Perspective unveiled designs for Spaceship Neptune's interior, which it described as "the world's first space lounge".

Window and Trani – whose previous projects include Hyperloop trains and the Vertical Aerospace VX4 electric aircraft – were also behind this design, which features reconfigurable seats, plants, sustainable materials and a cocktail bar.

"Space travel presents a new realm of exciting challenges and creative thinking," said the duo.

"As design specialists we have integrated the travel experience and aesthetic – from headroom and groups of explorers being able to move around comfortably within Spaceship Neptune from chair to restroom to bar, to of course, maximising the once-in-a-lifetime views."

In addition to the 360-degree windows, Of My Imagination's design also provides passengers with satellite imagery and 360-degree cameras to zoom in and out of the view.

"We now also have an exterior aesthetic that is every bit as powerful as the interior revealed in April," said Window and Trani.

"As transportation designers, we are always looking to drive forward how and where we can take people next. Space travel is at the pinnacle of that, which is why we are excited to be working with Space Perspective to play a part in shaping this incredible experience."

These improvements reflect the latest engineering research carried out by Space Perspective in collaboration with Siemens Digital Industries and AWS.

Using Siemens software and AWS cloud servers, the design and engineering team were able to carry out thousands of virtual flight tests and simulations, and discover that a spherical capsule offers the smooth and safest journey for passengers.

Following the two-hour descent and splash-down, a Space Perspective crew will retrieve both passengers and the spacecraft by ship.

"Simplicity and automation are the keys to safety," said MacCallum.

"Centuries of balloon and parachute operation and development demonstrate that always flying with the balloon from launch through landing, with traditional parachutes as a reserve backup system, is by far the simplest, safest and most robust solution," he continued.

Space Perspective is manufacturing Spaceship Neptune at its innovation campus in Florida, located close to its Operations Center at NASA's Kennedy Space Center.

The company has sold more than 900 tickets for flights and is now accepting bookings for 2025.

It is not the only company exploring the benefits of space tourism – rival company World View has developed a similar technology using a helium balloon, while The Gateway Foundation plans to open the first space hotel in 2027.

Dezeen interviewed Space Perspective co-founder Jane Poynter earlier this year, who said that space tourism "will have a huge positive impact on our society".

## Rome's Colosseum is Worth a Cool \$79 Billion, According to Deloitte

Sourced from: <https://archinect.com> / Josh Niland



The real value of one of the world's most well-recognized historic sites is now officially set after the global financial consultancy Deloitte published their assessment of Rome's ancient Colosseum on Monday.

According to Deloitte, the nearly 2,000-year-old Flavian amphitheater is worth exactly \$79 billion. Its estimate is derived principally from responses to a survey that begged Italians a variety of questions pertaining to the perception of the Colosseum, of which the overwhelming majority – \$75 billion – was ascribed to “social value.”

Romans in the survey placed an outside value (\$91 over \$57) compared to their countrymen when asked about the monetary amount they would contribute per year to ensure the preservation of the first-century relic. Around 87% said it was the most important monument in Italy. Some 70% think the entire world should be tasked with financing its ongoing upkeep, which racked up a nearly \$30 million tab in its latest iteration.

(For context's sake, some guesses have it that it took the equivalent of between \$250 million and \$1 billion to construct the Colosseum in today's money.)

“The value of an iconic, historical and cultural site such as the Colosseum, to which different dimensions of value can be attributed is objectively complex to determine,” Deloitte's Marco Vulpiani said of the research team's method. “[It] can be analyzed through a quantification of the different configurations of value, ranging from the economic contribution, the indirect use value, and the social asset value, where the latter mainly represents its existence value for the society.”



The full report, which is written in Italian, can be found here. Deloitte says it's on a mission to provide a full-service "evaluation and enhancement of works of art and, more generally, cultural heritage," that will include other important monuments in the country. The Colosseum documentation being any guide, they are sure to find evidence of their significance to the broader global conception of culture. Furnishing proof, as the company's CEO Fabio Pompei put it, that "Italy is a protagonist in the world."

## Notre Dame's Design Plan Was Just Released – and it Includes a Park, Underground Walkway, and More

Sourced from: <https://www.msn.com> / Alison Fox

BERTRAND GUAY/Getty Images: Picture shows the façade of Notre Dame cathedral on April 1, 2022 on the third anniversary of a fire that partially destroyed the cathedral.



When the final remodel of Notre Dame is complete, it will look a bit different than visitors remember.

The plan, which is being led by landscape architect Bureau Bas Smets, will feature an enlarged square behind the cathedral and a new park, an underground walkway, and a canopy of trees.

"The project rethinks the emblematic public spaces around Notre Dame as a sequence of climatic atmospheres," the firm wrote, adding "Compressed and imbricated around the Cathedral, these spaces frame new views towards Notre

Dame, establish a new relationship with the Seine and offer new activities. The Ile de la Cité becomes the epicentre of Paris once again."

The plan, which includes over 30% more vegetation for the area, will also help fight climate change, Paris' Mayor Anne Hidalgo told The New York Times. The city plans to install a cooling system that will be capable of sending a thin sheet of water down the square during heat waves to lower temperatures without causing potential flooding, the paper noted.

Notre Dame "had to be left in its beauty and have everything around it be a showcase for that beauty," Hidalgo told the paper, but added "a city like ours can no longer think outside of climate change."

In addition to the greenery, the new design will transform an underground parking lot into a walkway that can be used to access a welcome center and archaeological museum, the NYT reported.

Notre Dame, which remains one of the most Instagrammed UNESCO World Heritage Sites in the world, was devastated by a fire in April 2019. Since then, officials have worked to reconstruct what was damaged and open parts of the famous cathedral.

In 2020, the city reopened the crypt beneath Notre Dame, which was not damaged by the fire but was affected by lead dust, as well as reopened the public plaza in front of the cathedral's main entrance.

Last year, French President Emmanuel Macron said his goal was to have Notre Dame complete by the 2024 Olympics, which will be hosted in Paris. While most of the reconstruction will likely be

finished by then, the NYT noted work on the cathedral's outskirts would not start "in earnest" until the scaffolding is removed and will likely not be complete until 2027.

## NCARB Launches Licensure Exam Accommodations for ESL Candidates

Sourced From: Sourced from: <https://www.archpaper.com> / Hannah Su



In an ongoing push to expand inclusivity and accessibility, the National Council of Architectural Registration Boards (NCARB) announced on June 30, that it will be offering testing accommodations for Architect Registration Examination (ARE) non-native English speaking candidates.

Non-native English speaking candidates can now apply for English as a second language (ESL) testing accommodations via the Application for English as a Second Language Testing Accommodations available on the NCARB website.

Accommodations will allow test takers an extension equivalent to 20% of the allocated testing duration and the use of a personal word-to-word translation dictionary of the candidates choosing (with no notes, annotations, or markings added to the text).

ARE, a six-part licensure examination, is required for professional architectural practice by all 55 U.S. jurisdictions (all 50 states, along with District of Columbia, Guam, the Northern Mariana Islands, Puerto Rico, and the U.S. Virgin Islands). The new ESL accommodations will be available on national licensing exams in all jurisdictions that require it, except in the state of New York. While the state accepts exams taken with accommodations for disabilities (which also includes additional testing time, as well as access to separate testing rooms and more breaks), candidates who have passed the exam with ESL accommodations will be required to take the ARE without the added measures in order to receive a license in New York.

According to the NCARB, the new ESL accommodations follow continued research and analysis by the NCARB on how its programs disproportionately impact candidates from under-represented backgrounds. In the fall of 2021, NCARB and the National Organization of Minority Architects (NOMA) published *Baseline on Belonging*, a joint study identifying the obstacles to licensure experienced by minority professionals. In the report, 6.8 percent of the 5,000 survey participants responded that speaking English as a second language negatively impacted them when pursuing a degree in architecture (participants included both recently licensed professionals, professionals who are no longer interested in licensure, and those in between).

“By ensuring that candidates who speak English as a second language have access to the resources they need to succeed on the exam, we hope to lessen unnecessary barriers on the path to licensure – while still confirming that the individuals who become licensed architects possess all the necessary knowledge and skills to protect the public,” said NCARB President Bayliss Ward.

## ASSOCIATION LINKS

- **Alberta Construction Safety Association (ACSA)**  
[www.acsa-safety.org](http://www.acsa-safety.org)
- **BuildingSMART Alliance** (North American Chapter of BuildingSMART):  
[www.buildingsmartalliance.com](http://www.buildingsmartalliance.com)
- **BuildingSMART International** (formerly IAI) [www.buildingsmart.com](http://www.buildingsmart.com)
- **Biomimicry Guild**  
[www.biomimicryguild.com](http://www.biomimicryguild.com)
- **Canadian Green Building Council (CaGBC)** [www.cagbc.org](http://www.cagbc.org)
- **CCDC Documents**  
[www.ccdc.org/home.html](http://www.ccdc.org/home.html)
- **Construction Specifications Institute (CSI)** [www.csinet.org](http://www.csinet.org)
- **International Construction Information Society (ICIS)** [www.icis.org](http://www.icis.org)
- **OmniClass**  
[www.omniclass.ca](http://www.omniclass.ca)  
[www.omniclass.org](http://www.omniclass.org)
- **Uniformat**  
[www.csinet.org/uniformat](http://www.csinet.org/uniformat)
- **Institute for BIM in Canada (IBM)**  
[www.ibc-bim.ca](http://www.ibc-bim.ca)
- **Architecture 2030**  
[www.architecture2030.org](http://www.architecture2030.org)
- **Building Information Modeling (BIM) Forum**  
[www.insightinfo.com/bimforum](http://www.insightinfo.com/bimforum)
- **Biomimicry Institute**  
[www.biomimicryinstitute.org](http://www.biomimicryinstitute.org)
- **Canada BIM Council**  
[www.canbim.com](http://www.canbim.com)
- **Canadian Green Building Council (CaGBC) – Alberta Chapter:**  
[www.cagbc/chapters/alberta](http://www.cagbc/chapters/alberta)
- **Construction Specifications Canada (CSC)**  
[www.csc-dcc.ca](http://www.csc-dcc.ca)
- **buildingSMART Data Dictionary**  
[bsdd.buildingsmart.org](http://bsdd.buildingsmart.org)
- **MasterFormat**  
(<https://secure.spex.ca/siteadmin/freedocuments/images/1.pdf>)
- **buildingSMART Canada**  
[www.buildingsmartcanada.ca](http://www.buildingsmartcanada.ca)
- **Ace BIM**  
[www.cebim.ca](http://www.cebim.ca)

## ASSOCIATION LIAISONS

Alberta Association of Architects (AAA)  
<http://www.aaa.ab.ca/>

Alberta Painting Contractors Association (APCA)  
[www.apca.ca](http://www.apca.ca)

Alberta Wall & Ceiling Association (AWCA)  
<http://awca.ca>

Alberta Roofing Contractors Association (ARCA)  
<http://www.arcaonline.ca>  
[info@arcaonline.ca](mailto:info@arcaonline.ca)

American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)  
<http://www.ashrae.org/> / [ashrae@ashrae.org](mailto:ashrae@ashrae.org)

The Canadian Wood Council (CWC)  
<http://www.cwc.ca>  
[info@cwc.ca](mailto:info@cwc.ca)

Alberta Painting Contractors Association (APCA)  
[www.apca.ca](http://www.apca.ca)

Association of Professional Engineers, Geologists, and Geophysicists of Alberta (APEGGA)  
<http://www.apegga.org/> [dward@apegga.org](mailto:dward@apegga.org)

Association of Science and Engineering Technology Professionals of Alberta (ASET)  
<http://www.aset.ab.ca/>  
Russ Medvedev, [russm@aset.ab.ca](mailto:russm@aset.ab.ca)

Building Owners and Managers Association (BOMA)  
<http://www.bomaedmonton.org/> / [edmonton@boma.ca](mailto:edmonton@boma.ca)

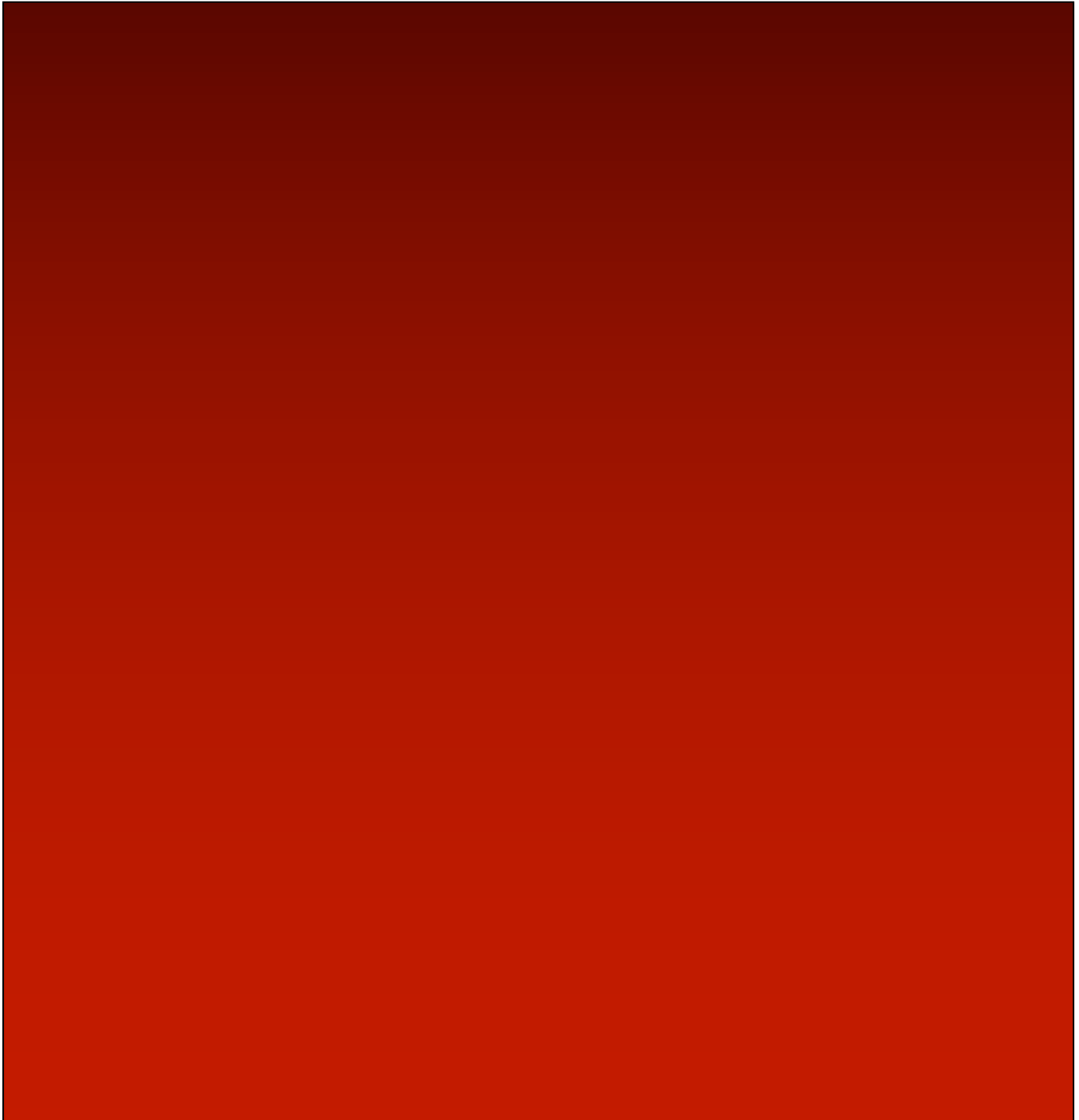
Consulting Engineers of Alberta (CEA)  
<http://www.cea.ca/> [info@cea.ca](mailto:info@cea.ca)

Portland Cement Association  
[ConcreteTechnology@cement.org](mailto:ConcreteTechnology@cement.org)

Interior Designers of Alberta  
[www.interiordesignalberta.com](http://www.interiordesignalberta.com)

Edmonton Construction Association  
[www.edmca.com](http://www.edmca.com)  
[contact@edmca.com](mailto:contact@edmca.com)

Terrazzo, Tile & Marble Association of Canada  
(TTMAC)  
<http://www.ttmac.com/>  
[association@ttmac.com](mailto:association@ttmac.com)





## Bulletin Board

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### Message from the Executive:

We in the Executive are looking for creative-minded individuals who can take on a position and follow through with ideas...if this is YOU, send a message to [information@cscedmonton.ca](mailto:information@cscedmonton.ca) and we will be quick to get back to you!




















### Open Positions Include:

Chapter Liaison  
Sustainability

You don't need to be a member of the Committee to come and participate in our monthly Chapter meetings but watch out if you do! You may find yourself holding a position...maybe even as Chapter Chair...



The Executive

<p><b>Director / Newsletter Editor</b></p>  <p>Tracey Stawnichy, LEED AP, CSC Contract Administrator ACI Architects Inc. P: 780-994-3699 <a href="mailto:tstawnichy@aci-arch.com">tstawnichy@aci-arch.com</a></p>	<p><b>Chair</b></p>  <p>Andrew Brassington, CTR Western Canada Sales Rep ROCKWOOL P: 587-341-5268 <a href="mailto:Andrew.brassington@rockwool.com">Andrew.brassington@rockwool.com</a></p>	<p><b>Vice-Chair</b></p>  <p>Dylan Leclair, CTR IKO Commercial P: 587-335-9552 <a href="mailto:Dylan.leclair@iko.com">Dylan.leclair@iko.com</a></p>	<p><b>Treasurer</b></p>  <p>Catherine Osborne GH Construction Ltd. P: 780-705-7108 <a href="mailto:catherine@ghconstruction.ca">catherine@ghconstruction.ca</a></p>
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<p><b>Officer Technical Program</b></p>  <p>Jessica Prosser Project Manager Fullster Iron P 587-340-7169 <a href="mailto:j.prosser@fullsteriron.com">j.prosser@fullsteriron.com</a></p>	<p><b>Officer Membership</b></p>  <p>David Lawrence Retired P: 780-901-7260 <a href="mailto:davidlawrence@interbaun.com">davidlawrence@interbaun.com</a></p>	<p><b>Officer at Large</b></p>  <p>David Lawrence Retired P: 780-901-7260 <a href="mailto:davidlawrence@interbaun.com">davidlawrence@interbaun.com</a></p>	<p><b>Officer Sustainability</b></p>  <p>Position Open</p>
<p><b>Officer Marketing</b></p>  <p>Position Open</p>	<p><b>Officer Trade Contractor</b></p>  <p>Kevin Kramers, CET, CTR, RRO ARCA – Technical Officer P: 587-232-0613 <a href="mailto:technical@arcaonline.ca">technical@arcaonline.ca</a></p>	<p><b>Officer – Owner's Rep</b></p>  <p>Cam Munro, CTR Alberta Infrastructure P: 780-231-1739 <a href="mailto:Cam.munro@gov.ab.ca">Cam.munro@gov.ab.ca</a></p>	