

## 2016

### SEPTEMBER

Legal Matters

### OCTOBER

Breakfast Meeting

### NOVEMBER

Breakfast Meeting

### DECEMBER

Breakfast Meeting

## 2017

### JANUARY

Chapter Social Event

### FEBRUARY

Breakfast Meeting

### MARCH

Joint Meeting with Calgary  
Dinner Meeting

### APRIL

Infonet

### MAY

Annual Chapter Meeting

### JUNE

Golf Tournament



## September 2016

### Dinner Meeting: Legal Matters

**Speaker: Dennis L. Picco, QC, M.CiaArb, Partner, Dentons Canada LLP**

**Dinner Sponsor: None**

**Place: Chateau Louis Conference Centre; 11727 Kingsway Road**

**Time:** Reception: Starts at 5:00pm

Dinner: Starts at 5:30pm with presentation to follow

**Cost:** Registration: \$50.00

**Reserve:** Register online at [www.cscedmonton.ca](http://www.cscedmonton.ca).  
**Please be advised pre-registration is recommended.**  
**Cost for registration at door is \$60.00**

### VISIT YOUR WEBSITE AT

<http://www.cscedmonton.ca/>

Help us develop a website that meets your needs. Go to the "Want More Info" link on-line and let us know.

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2015/ 2016 Edmonton Chapter Executive		
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<b>Landscape</b>	Open	
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Advertising Rates
<b>Business Card: April 1 to May 30</b>
Rates covers your ad on our website 24 hours per day, 7 days per week.
Business card online:
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 Website from the CSC Edmonton Chapter web page.

Chapter Sponsor
<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>

Student Sponsor
CSC Student Sponsorship Pays for 6 monthly meeting ticket for a CSC, NAIT or University Student to attend a scheduled meeting. Annual \$250

Meeting Sponsor
\$50 for Individual (Personal) Sponsor \$250 for Corporate Sponsor

**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 multidisciplinary 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 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.**

## Special Announcements:

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*This area is for announcements about you, our members. Any milestones, awards, or other announcements, please contact the Executive.*

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## Chair's Message

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**Kevin Osborne, CET, CSC** Edmonton Chapter Chair, Architecture | Tkalctic Bengert

As summer 2016 comes around to Fall, CSC Edmonton Chapter is mobilizing again for another fall/winter program and event calendar. Our first Executive Meeting is Tuesday September 6th, 2016. There are some new Executive members joining our Committee and there are one or two vacant positions if any Chapter members are interested in getting more involved.

We were fortunate to welcome several new members to the Edmonton Chapter over the last few months, but unfortunately also lost some members over the past few months to the economy and corporate and government cutbacks of funding for Association affiliations. We hope our lost members can find there way back to the group.

CSC 2016/2017 Program and Event Schedule is available for viewing on the National Website, [csc-dcc.ca](http://csc-dcc.ca), just click on the Edmonton tab and check out the edge border. You might also want to check out the photos from the Golf Tournament, it was a fun event and a beautiful day!

Hope everyone had a great summer!

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## Membership in CSC

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**Donna Devloo, Biblioteca**



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, Construction Specifications Canada 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 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.

Contact Donna DeVloo for membership information

P: 780-984-5612

E: [ddevloo@bibliotecainc.com](mailto:ddevloo@bibliotecainc.com)

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## LEED Free for Fort McMurray Projects

Sourced From <http://www.constructioncanada.net/>

The Canada Green Building Council (CaGBC) is providing free Leadership in Energy and Environmental Design (LEED) registration and certification for rebuilding projects in Fort McMurray, Alberta.

Further, CaGBC will work with EcoAmmo Sustainable Consulting and 4 Elements Integrated Design to offer free administration services to residents who would like to rebuild or renovate.

“Canadians across the country watched in horror as Fort McMurray’s homes, businesses, and schools were threatened by a natural disaster that is becoming far too common in Canada due to our changing climate,” says Thomas Mueller, president and CEO of CaGBC. “The resilience of the citizens and surrounding regions is inspiring, and the Council wanted to do its small part to help rebuild this wonderful community. Sustainable housing with durable, quality construction, improved energy and water efficiency and healthier indoor spaces will provide lasting benefits to residents.”

Brandy Burdeniuk, founding principal of EcoAmmo, said there is now an opportunity to rebuild homes that are more efficient, comfortable, and healthier, allowing citizens to thrive and rebuild their strong community.

“Our friends, families, and colleagues were impacted by the fires... we want to support the community of Fort McMurray and the Regional Municipality of Wood Buffalo to rebuild,” she said.

Tyler Hermanson, Director and Lead Designer at 4 Elements, saw the fire as a reminder of the fragility of people’s homes.

“Having recovered from several floods myself, I know the pressure to ‘get back to normal’ as quickly as possible, but when completing a full rebuild, families have a huge opportunity to build better, stronger, and more resilient communities that all of Alberta can learn from,” he said. “Designing and building with LEED in mind can create more sustainable, comfortable, durable and energy efficient homes.”

This is the third time in recent years CaGBC has offered free LEED registration and certification to Canadian communities hit by disaster. Intense flooding in 2013 in Calgary led to the damage of thousands of homes in the region. That same year, the council worked with Québec homebuilder Écohabitation to rebuild the town centre of Lac-Mégantic, after a train derailment led to the destruction of roughly 40 buildings in the community.

## People And Places

### Fresh Faces (New Members)

#### **Mr. Tim Swanson**

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New Member Sponsor: Mr. Charles World

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

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#### **Mr. Ahsan Ahmed, CCCA**

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Website: [www.interface.com](http://www.interface.com)

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**Previous Members Re-Joining / Re-Activated – None This Month****CSC Education:****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 of your education needs.

Mike Ewaskiw, CTR  
 District Manager, StonCor Group  
 P: 780.237.7844 E: [mewaskiw@stoncor.com](mailto:mewaskiw@stoncor.com)

## EDUCATION COURSES

### Upcoming Classes:

- [Principals of Construction Documentation \(PCD\)](#) – Sept 12, 2016 (9 weeks) Location: Dialog, 10237 – 104 Street
  - [Specifier](#) – Sept 12, 2016 (15 weeks); Location: Architecture | Tkalcic Bengert, 10315 – 109 Street
  - [Construction Contract Administration \(CCA\)](#) – Sept 12, 2016 (11 weeks); Location: IBI Group, 300, 10830 Jasper Avenue
  - [Technical Representative \(TR\)](#) – September 2016; Location: TBA
- Costs for Courses: \$750.00 for members and \$875.00 for non-members
  - Class Times: 6:00 – 9:00 PM.

### Upcoming Classes Online:

[Principles of Construction Documentation](#) (course code CNST245) starts September 12, 2016.  
[Technical Representative](#) – (course code CNST247) starts January 2017.

### CALL FOR PHOTOS FOR SPECIFIER AND WEBSITE!

The Edmonton Chapter would like to ask the membership to volunteer photos for the website and the front page of The Specifier. The photos do not have to specifically relate to projects or materials of interest. They can be personal photos of members, events (both CSC and non-CSC events), or members' hobbies and interests. Anything goes, as long as it's interesting! Anything you would like to share could end up HERE!

## INDUSTRY NEWS & EVENTS

### September 7-9, 2016

*CONSTRUCT & the CSI Annual Convention*  
 Informa / CSI  
 Austin Convention Center  
 Austin, TX  
[www.constructshow.com](http://www.constructshow.com)

### September 22-25, 2016

*Interior Design Show (IDS) West*  
 Informa Canada  
 Vancouver Convention Centre West  
 Vancouver, BC  
[idswest.com](http://idswest.com)

### September 25-28, 2016

*Annual Conference*

### September 12-14, 2016

*Toronto Global Forum – Leading in Uncertain Times*  
 International Economic Forum of the Americas  
 Fairmont Royal York  
 Toronto, ON  
<http://forum-americas.org/toronto/2016>

### September 24-30, 2016

*ArchitecTOUR 2016*  
 Danish Trade Council in Toronto/Architecture Canada/  
 Werksted and the Danish Association of Architectural Firms  
 Copenhagen, Denmark  
<http://canada.um.dk/en/the-trade-council/news/newsdisplaypage/?newsID=C796C78B-5F5E-4947-8D51-46FD68B5A77B>

### October 3-7, 2016

*Discover Green Solutions on FCM's Go West!*

Transportation Association of Canada Annual Conference  
Toronto, ON  
<http://tac-atc.ca/en/conference>

*Sustainability Tour*  
FCM's Green Municipal Fund (GMF)  
Vancouver to Seattle  
<https://www.fcm.ca>

**October 5, 2016**

*World Standards Day 2016*  
Standards Council of Canada  
Canadian Museum of Nature  
Ottawa, ON  
[www.iso.org](http://www.iso.org)

**October 17-19, 2016**

*Quest2016*  
QUEST Canada  
The Westin Calgary  
Calgary, AB  
<http://www.questcanada.org/quest2016>

**October 25-26, 2016**

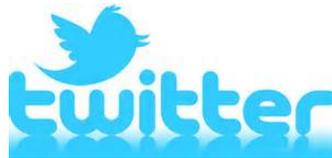
*Canadian Healthcare Infrastructure*  
The Canadian Institute  
Hilton Toronto Airport Hotel  
Mississauga, ON  
<https://www.canadianinstitute.com>

## Social Media:

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### Check us out:

ACTIVE LINKS ON ICONS



## Articles of Interest

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### University Adds Coffee Grounds to Asphalt Mix

Sourced From: <http://www.cdrecycler.com>

The researchers involved say that used coffee grounds from Australian cafes could create 3 miles of road per year.

Australian-based Swinburne University of Technology engineers have turned used coffee grounds into building materials for roads.

Professor Arul Arulrajah, who leads the geotechnical group in the Center for Sustainable Infrastructure, has been investigating the use of recycled materials, such as crushed brick or glass and concrete, for use in road construction.

He is also an avid coffee drinker. "I see the baristas throwing away the used coffee grounds and I think, 'why not look at this as an engineering material?'" he says.

Arulrajah and PhD candidate Teck-Ang Kua collected used coffee grounds from cafés surrounding Swinburne's Hawthorn campus in Victoria, Australia. They dried them in a 50 degree Celsius oven for five days, then sieved the grounds to filter out lumps.

They then mixed seven parts coffee grounds with three parts of slag—a waste product from steel manufacturing. A liquid alkaline solution was added to bind everything together.

The mixture was compressed into cylindrical blocks that proved strong enough to use as the subgrade material that sits under a road surface.

"On average the cafés we collect from dispose of about 330 pounds (150 kilograms) of coffee grounds per week," says Arulrajah. "We estimate that the coffee grounds from Melbourne's cafés could be used to build three miles (five kilometers) of road per year. This would reduce landfill and the demand for virgin quarry materials."

This research is a collaboration with Suranaree University of Technology, Thailand; Southeast University, Nanjing, China; and Shanghai Jiao Tong University, China. It has been published in the journal 'Construction and Building Materials'.

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## Construction Looks to Meet Demand for Female Mentors

Sourced From: <http://journalofcommerce.com>

There's a great demand for female mentors in the construction industry, but there aren't enough of them to go around, says the President of the Canadian Association of Women in Construction (CAWIC). "According to a CAWIC survey, about half of female construction workers say they have no access to a mentor," says Lisa Brown.

To improve their access to mentorship, the Mississauga, ON-based organization is revitalizing its current mentorship program

"Until now we've been collecting applications from prospective mentors and mentees and trying to pair them up," Brown says. "But we have more mentees than mentors, which is a challenge for the program." Brown says the association expects to relaunch its mentorship program sometime in the next 12 months.

Mentorship is important because, in a new work environment, young workers need to learn what she calls the informal rules of engagement of the worksite.

"They find out quickly that the jobsite is not like school," she says. "To help them make the transition, they need someone who's more experienced to show them the ropes."

A not-for-profit organization that was founded in 2005, CAWIC has a membership "in the mid-hundreds and a mailing list in the thousands."

"Most of our members are in the GTA (Greater Toronto Area) in Ontario," says Brown. "But we plan to set up chapters around the country."

Emma O'Dwyer, Vice President Market Development and Corporate Affairs with The Matcom Group in Toronto, has been a CAWIC mentor for four years. "I've mentored a total of six or seven women over the years," she says. "And I'm mentoring three right now."

O'Dwyer says she works with mentees in a number of ways: face to face, via email and conference calls. "We discuss a variety of subjects," she says.

"They include challenges with male co-workers, what courses to take in college and which trade to go

into. I'm also a shoulder to cry on when things get rough."

O'Dwyer says the construction jobsite is more accepting of women than it was when she was hired 18 years ago as a construction labourer for a summer job.

"It's less of a guy's culture than it used to be and it's easier to prove yourself if you're a woman," says O'Dwyer.

One of O'Dwyer's recent mentees is Latifa Karimi, a BIM (Building Information Management) specialist in the Mississauga office of EllisDon.

"Emma was my mentor when I was writing my graduating thesis for my Bachelor of Technology degree," Karimi says. "She helped me to develop questions for a survey of women in construction." She says the education system doesn't prepare young women for the reality of the male-majority construction worksite.

"At the beginning, I was shocked," Karimi says. "I wasn't prepared at all and I had to figure out a lot by myself, without any support."

Rosemary Sparks, Executive Director of BuildForce Canada, says mentorship programs for both male and female young workers benefit the entire construction industry. "It's knowledge transfer that makes workers more productive in a relatively short time," she says. "In a skilled trade, 80 percent of learning takes place on the job."

Sparks says one-quarter of a million workers in the construction industry will retire between 2015 and 2024.

"We need to do the best job possible of getting young people into the workforce and transforming them into seasoned, qualified journeypeople," she says. "We know from surveys that millennials are looking for coaching and training, and the construction industry must offer it in order to compete with other industries that are looking for workers."

BuildForce's mentorship program is a package of materials that was developed in 2010 with industry input to help employers implement their own program.

"It's made simple, for all levels of time-availability, so employers can cherry-pick what's best for them," Sparks says.

The mentorship program of SkillPlan, a BC-based developer of workforce development programs, is divided in to two separate courses. The first is targeted at the mentee. The goal is to enable them to gain the most from verbal and practical instruction from the mentors with whom they are paired. Skills covered are clear and collaborative communication and taking the lead in goal-setting for their learning.

The second course is targeted at the mentor. Skills transfer, including techniques for demonstrating, evaluating and providing feedback, are the focus of the course. "Our mentorship programs are complementary to those of BuildForce, with whom we have a strong relationship," says SkillPlan CEO Kyle Downie.

"Our programs are aimed at apprentices and journeyworkers, and BuildForce's program is aimed at employers."

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## The Building Sector's 'Trillion-Dollar' Circular Economy Opportunity

Sourced From: <http://www.environmentalleader.com>

The construction industry is the largest consumer of raw materials globally and yet less than 1/3 of construction and demolition waste is recycled or reused, says a new report by the World Economic Forum.

In the US alone, about 40% of solid waste comes from construction and demolition.

Using closed-loop circular design principles – reusing discarded asphalt products as road-building materials and waste lumber as wooden flooring material, for example – is one of the approaches that could, and should, shape the sector's future, according to *Shaping the Future of Construction: A Breakthrough in Mindset and Technology*. The report was produced with the Boston Consulting Group and targets not only construction companies but also design companies, suppliers of technology and building materials or equipment, and others along the value chain.

Considering constructed objects account for 25% to 40% of the world's carbon emissions, recycling these discarded materials present a huge opportunity for the industry to reduce global emissions and make their businesses more environmentally sustainable.

In addition to reducing waste and emissions, employing circular economy approaches to the construction sector has business benefits.

"Its potential for innovation, job creation and economic development is huge: estimates indicate a trillion-dollar opportunity," World Economic Forum's Dr. Michael Max Buehler, practice lead real estate industries, told Environmental Leader. "The potential for the industry to identify closed material loops and to adopt circular design principles is tremendous. Today, construction processes are still highly fragmented with misaligned incentives among capital project stakeholders creating up to 15% waste by volume. For example, it is estimated that 54% of demolition waste in Europe is still landfilled and most recycling occurs in low-value applications. A key reason for these inefficiencies is fragmented knowledge of material composition or value. In addition, the utilization of built environment assets is poor, resulting in inefficient resource use."

The construction industry has been slower than most to adopt technological innovations, and wary of modernizing strategies and processes, the World Economic Forum says.

Change is happening – but slowly. Analytics, building modeling and other new technologies already affect all stages of a building's life cycle, from planning and design through to operations and maintenance. But their adoption is still sparse.

"Individual companies have serious transformative opportunities now, by exploiting new technologies and materials," said Santiago Castagnino, a partner and construction expert at BCG, and co-author of the report. "If you also optimize the planning and the processes, you could easily end up cutting costs by 15% and reducing the completion time by as much as 30%."

The report says emerging digital technologies – such as 3D models for guidance, robots for the

dangerous work, and drones and embedded sensors – will boost productivity and improve on-site safety and environmental performance.

While still in the early stages of development, 3D printing has the potential to boost productivity gains by as much as 80%, while also reducing waste. For example, in a project on 3D-printed steel components, global construction and engineering firm Arup achieved a 75% weight reduction and 40% reduction in materials compared with traditional production methods, the report says.

Advanced building materials and “lean” manufacturing techniques can also help transform the industry and cut construction costs. “With approximately one-third of construction cost attributed to building materials, the scope for applying advanced building materials (ABMs) is considerable,” the report says. These include an advanced vinyl flooring by Johnsonite that is 100% recyclable, using a biobased plasticizer, and has total volatile organic compound values 100 times below European standards. Another example: self-healing concrete, created by adding bacterial spores, is estimated to reduce lifetime costs by up to 50%.

The UN Environment Programme estimates that construction-sector improvements can help countries cost effectively reduce their emissions and achieve energy savings of more than 30%.

The circular economy is key to harnessing these benefits, Buehler says. “Imagine a world in which built environment assets represent the biggest valuable materials deposit for society. In this world physical assets are digitally interconnected, revealing up-to-date condition of their components to not only enable predictive maintenance and performance models, but also to be a platform for the global materials market. Imagine how asset interconnectivity could pave the way for closing the material loops for the largest source of waste in modern society. Therefore the circular economy is key in redesigning this future, where industrial systems are restorative and regenerative by intention and design.”

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## Three Tips for Hiring Youth in Construction

Sourced From: <http://enewsletters.constructionexec.com>

Hiring a young person can be an enriching and performance-boosting act. Young workers under the age of 25 account for around 8% of the construction workforce. Youth are enthusiastic and eager to learn and contribute to the team. They can be a true asset to the business.

There are differences that need to be addressed when hiring young workers compared to older, more experienced workers. First, youth are computer-savvy and often want to know where they’re going. They’re at a stage in life where they are new to the workforce and it likely will be necessary to offer them a career and not just a job. For contractors hiring young workers, here are three tips to help attract and retain this demographic.

### Tip #1: Make Your Job a Career Option

The construction industry is one of the largest employers in the country. There are some real perks to being involved in construction: There is room for development and growth, the industry is always evolving to suit new developments, there are many different avenues to pursue and there is high demand. However, it does have a stigma attached to it for some people, particularly parents who prefer the university white collar route for their children.

The message that the construction industry is not a lesser option and that it is a smart choice needs

to be communicated loud and clear. Young workers will still be greatly influenced by their parents, so it is important to get the message to both parties. The industry in general needs a better PR campaign, but every contractor can help through its job advertisements, marketing, and direct contact with young people and their parents.

Contractors can make sure they know that the construction trades offer respected and well-paid careers. Young people are typically free of financial and family responsibilities and obligations, they are looking for a job that will interest them, challenge them and where they can see their future. Providing examples of how different trades can become a rewarding career will help make the case.

### **Tip #2: Engage Young Workers in the Company**

For some young workers, construction may provide their first workplace. Their relationship in the beginning will be more like that between teacher and apprentice.

It will be necessary to invest time reviewing their strengths and weaknesses, their work habits and to give them the feedback they need. Communication channels must be open to make sure they are aware of the employer's goals and how they can contribute.

Engagement with young workers should start from day one. Effective induction or socialization programs and efforts can promote improved performance and connection to the company. Most importantly, it helps to set the tone of the business and to keep young workers informed during a particularly ambiguous time in their career.

### **Tip #3: Set a Positive Work Culture**

It is up to the employer to set the tone of the workplace, and this is especially important in construction. In fact, according to research, it is one of the biggest complaints of construction workers. A work environment that prioritizes honesty, self-motivation, and team-oriented workers is a productive organization. To get young workers involved in field work while demonstrating these traits, let them work alongside role models they can look up to.

Stressful working conditions quickly produce employee burnout and exhaustion. In the construction industry, youth and stress are not a good combination. Even though young workers under 25 account for 8% of the workforce, they account for 25% of all accidents.

Workplace health and safety training is mandatory, but there are a few extras that can make young workers less stressed. For example, allow for flexible schedules for a healthy work/life balance, ensure employees have a clear understanding of their job requirements, and foster positive social relationships in the company.

While young workers receive training with skills for the future, they also must be trained in the company culture. Eventually they may be in management positions, so it's important to model management for them that is genuinely interested in employee wellbeing. Make sure there are valued opportunities for growth within the business, which goes back to the idea of presenting a career, not just a job.

Development is integral to a healthy city and many of the changes are positive, like an arena that will attract out-of-town visitors. Still, the lack of democracy in the development process has been disturbing.

Now, it's the developers and the millionaires who get to decide for the next ten years, who is the right sort of person for downtown Edmonton.

## Researchers Discover Cure for 'Concrete Cancer'

Sourced from: <http://www.constructioncanada.net>

Researchers at the University of British Columbia (UBC) found a reliable way to make concrete from discarded glass by calming the chemical reaction that usually causes 'concrete cancer.'

When glass-fed concrete weakens, expands, and cracks it is known as 'concrete cancer.' It occurs when the alkaline properties in cement paste react with silica properties that can occur in recycled concrete additives, such as glass. Associate professor of engineering Shahria Alam and his co-researcher Anant Parghi found adding a water-based, synthetic rubber polymer, fly ash, and silica powder to the concrete mixture helped stop negative chemical reactions.

"By partially replacing cement with polymer, fly ash, and glass powder, we were able to produce concrete that was more than 60% stronger than what was previously believed possible," said Parghi. "Though further testing is needed to assess long-term stability, it now looks like we can replace up to 25% of cement materials that had to be mined for cement production with glass."

All glass used in the study was taken from the landfill in Kelowna, BC, and was considered to be waste.

"Every year, millions of tonnes of glass bypass recycling centres and end up in North American landfills," said Alam. "Like many engineers, we are interested in making smarter building materials that can give the construction industry the resources they need to take new resources out of the ground."



Canadian Security Association's 2016 Security Canada Shows

Two upcoming Security Canada Trade Shows taking place in the following locations across Canada:

Security Canada Atlantic  
Moncton, New Brunswick  
September 21, 2016

Security Canada Central  
Toronto, Ontario  
October 19-20, 2016

Construction security matters. Security Canada Trade Shows provide a perfect opportunity to learn more about the latest technologies for construction projects. If some of your members' responsibilities include overseeing security installations, they need to be here.

CANASA's Security Canada Trade Shows are by far the largest, most comprehensive and well attended events in Canada dealing with matters of security. They bring together experts and thought leaders along with the industry's leading firms to showcase the latest technological innovations, trends and issues facing Canada's security professionals. More than 4500 entrepreneurs and

business professionals with an interest in security attend Security Canada Trade Shows. Exhibiting companies that cater to professionals within your industry include Tyco, MDT Technical Services, Abloy Canada, Paxton Access, Arecont Vision, Safety Technology and IDN Canada.....just to name a few! For more information about the Security Canada Trade Shows, please visit [www.SecurityCanadaExpo.com](http://www.SecurityCanadaExpo.com).

## FCIA in Edmonton

The Firestop Contractors International Association hosts its Firestop and Effective Compartmentation DIIM Symposium in Edmonton September 20-22, 2016, providing critical education related to the Firestop and Effective Compartmentation industry in Canada.

Wednesday, September 21 is best to attend for CSC members, and it's FREE.  
<http://fcia.org/articles/Canada2016.htm>

For Code and Fire Officials with governmental agencies, Specifiers with Design Firms, registration is FREE. Provided will be FCIA's 07 84 00 Firestopping Specification and a FREE PDF of FCIA's Firestop Manual of Practice.

## Former CSC President Keith Robinson Becoming CSC Fellow

Sourced from: <http://www.constructioncanada.net>



Keith Robinson, CSI, FCSC, RSW – former CSC President and a member of Construction Canada's editorial advisory board – will be elevated to CSI Fellow later this fall. He will be just the third person to hold Fellowship in both Associations.

A specifier at DIALOG and a decorated member of CSC (his most recent accolade was Life Membership at the 2016 national conference), Robinson has been a CSI member since 2005. He has been active on several task teams for the US group, including the MasterFormat Maintenance Task Team (MFMTT), where he contributed to the numbering and naming conventions for construction-related Work Results. He also proctored the recent revisions to Division 28, coordinating a consensus-based update to electronic safety and security components. Robinson is currently a member of CSI's Preliminary Project Description Format Task Team (PPDFTT) and served as CSC's liaison on the CSI Technical Committee. He also acted as the working group lead of OmniClass Table 33 and 34 (Disciplines and Organizational Roles) from 2010 until 2012, and has contributed to the development of CSI/CSC SectionFormat/PageFormat and CSI/CSC Multiphase Project Delivery documents as a reviewer and commentator.

Robinson joins eight other new Fellows who were nominated by their colleagues and selected by CSI's Jury of Fellows in recognition of accomplishments in advancing construction technology, improving construction specifications, educating people in the construction industry, or advancing the goals of the Institute. He will be honoured at the Honours & Awards Ceremony at CONSTRUCT 2016 & the CSI Annual Convention in Austin, Texas, on Thursday, September 8.

Construction Canada briefly chatted with Robinson about his new Fellowship.

**Construction Canada:** Congratulations! How did you find out?

**Keith Robinson:** I was travelling on CSC business to Ottawa for discussions concerning Canadian Construction Documents Committee (CCDC). [CSC executive director] Nick Franjic and I had just finished off our meeting with the constituent partners, and we were sitting at the airport discussing next steps for CCDC meeting assignments. I received a text from Gary Beimers, CSI Secretary indicating that they had been trying to contact me at my work numbers and other contact numbers. The content of the message made it seem really urgent, so between Nick and myself we got a series of messages back to Gary – and within minutes, Gary called me and gave me the news I was accepted as a member of the 2016 Class of Fellows.

**CC:** What was your reaction?

**KR:** I was thunderstruck! Emotionally, I was feeling a little overwhelmed as I turned to Nick and informed him of the content of the call. He gave me a big smile, a slap on the back and a warm handshake – it meant a lot to me to get that response from a person who understands the magnitude of this award.

**CC:** You're the third 'dual Fellow' of CSI and CSC after Wayne Watson and John Lape (who received CSC Fellowship last year).

**KR:** I know them both – being held to the same esteem is truly humbling, and the fact this is such a rare occurrence places a very real sense of pride in being given this honour.

**CC:** What can you tell me about the relationship between CSC and CSI?

**KR:** My sense is that over the last 15 years or so, the sharing agreements and efforts at providing joint documentation between our two associations has provided many opportunities for a more global approach to specifying practice and document development. There are many people on both sides of the border that have dual 'citizenship' – each organization provides unique approaches to membership support and a broader perspective on our chosen vocation.

**CC:** Why did you become involved with CSI?

**KR:** As with my involvement with CSC, my personal choice was to become fully engaged with CSI with the intent of being a part of a larger team of people that have influence over the decisions that affect our daily working lives. I see this same drive in CSI members that choose to participate at that higher level as I see with CSC members. We succeed when we work together, and my opinion is our usage documents have improved considerably with the acceptance of international cooperation between our organizations.

**CC:** You'll be at CONSTRUCT to receive your Fellowship, right?

**KR:** I registered for the event well in advance of receiving news of becoming a member of the 2016 Class of Fellows. Attending the conference provides a forum for sharing ideas, identifying differences between our approaches to construction documentation, and generally mixing with some really amazing construction professionals. It is about making new contacts and creating opportunities to share with my peers that I look forward to the most – the diversity of experience in the larger CSI membership opens up new thoughts and approaches to technical documentation and interpretation

different than what we experience at the annual CSC Conferences. I bring that knowledge home, and share openly with our CSC membership. It provides a different sort of participation since there is a real sense of family and bonding with familiar friends within CSC that has its own sense of belonging.

**CC:** So, CSC Life Membership and CSI Fellowship in the same year. What's next?

**KR:** It is strange to receive awards for doing stuff I just plain enjoy doing. I get easily bored and working with construction specifications seems to satisfy whatever mechanisms exist in my brain to alleviate that feeling. I really do not think I am going to do anything different going forward. I guess my goal would be to inspire others to participate at a similar level of activity. The specification writing community can only get stronger when more people participate. We need specifications to be recognized for their contributions to communicating design intent and constructability – to making a difference – and that only happens with fresh eyes and new ideas, and a global approach to our day-to-day activities.

## Preventing Birds from 'Beaking' Havoc on Buildings

Sourced from: <http://journalofcommerce.com/Technology/News/2016>



Over five years a Kelowna contractor spent \$300,000 to invent a system that prevents birds from drilling holes into buildings. Using his 15 years of experience as a stucco contractor, Keith Eisenkrein took his new technique and launched EIFS (exterior insulation and finishing system) Armour. His patent-pending, licensed product has already been applied to almost 200 structures, mostly in BC's Okanagan, where the Northern Flicker and other woodpecker species have been "beaking" havoc.

"Those birds are like flying jackhammers," said Eisenkrein, who's become somewhat of a bird expert.

The woodpeckers have created a multi-million dollar problem in Kelowna alone, where about 40% of the buildings are stucco.

Because of the work and money he put into EIFS Armour, Eisenkrein, who also has masonry experience, didn't want to reveal many details about his product, which comes with a lifetime warranty.

"Ours is really tough to copy without us guiding the process," he said. "To get the idea from my head to a mock-up, I make at least a dozen prototypes."

Other products and solutions exist to combat bird problems. Eisenkrein's system uses a layer of steel mesh that is anchored over the panel or entire moulding, not just the hole. The mesh is recovered with a cement-stucco coating followed by a final layer of an acrylic topcoat that matches the building's exterior colour.

"When birds peck at it, it doesn't sound like a tree," he said.

That's unlike when birds begin tapping on a structure built using EIFS because the Styrofoam, with a coating on top, sounds like a hollow tree to the bird. The woodpecker is able to tap past the layers, right into the substrate and create a three- to four-inch hole.

Smaller birds such as starlings take up residence in the holes, build a nest and lay eggs. Then the woodpeckers swoop in and raid the nest, Eisenkrein said. Spring is when activity peaks.

One of EIFS Armour's biggest projects has been remediation of the 151-unit Centuria Urban Village in Kelowna. Owners at the strata building are spending \$260,000 to fix approximately 300 holes in the eight-year-old condo.

Another \$195,000 is being spent to repair dozens of holes at the Centuria's ground level commercial premises where nine businesses operate.

Five years ago, when Eisenkrein was testing his prototypes he repaired holes at two locations at the Centuria. Since the fix, the repaired panels have remained hole-free.

"The proof was in the pudding," said Kris Christiansen, Centuria's strata president.

EIFS Armour began fixing the Centuria's 300 punctures in May. Now when the woodpeckers begin tapping into Centuria it doesn't sound like a hollow tree so the birds have moved onto other buildings that haven't been "armoured," he said.

Damage to buildings can go beyond open nests. The holes create a fire hazard by making a building more combustible and water and other pests have ready portals. And then there's the poop deck.

"You could clean your deck Monday morning and by Wednesday it was dirty again. There comes a point where you don't want to use your deck," said Christiansen, a building contractor.

Because most of the holes were half-way up the 17-storey building, Eisenkrein spent \$40,000 per month to rent a Genie SX-180 boom lift, one of only four in Canada, he said, that weighs almost 24,500 kilograms and can reach 186 feet in under five minutes. Two of his three-to-four man crew can be in the boom, but you won't find the owner rising high above Kelowna. "I'm scared to go in it," he said.

The inspiration for Eisenkrein's "gamble" was an encounter several years ago with the owner of the Playa Del Sol Resort in Kelowna, where \$400,000 was spent over seven years to fix holes in the 75,000 square feet of stucco buildings.

Now, as word of EIFS Armour's success spreads, Eisenkrein has been fielding calls from across Canada and the U.S.

Hot spots for woodpecker damage seem to be in B.C., Alberta, Colorado and several Eastern U.S. states. Eisenkrein, 45, is in the process of selling licensing rights in Atlantic City, N.J., Edmonton and Lethbridge.

"Now I'm recouping the money I invested," he said. Eisenkrein has hired a lawyer to assist with licensing and his pending patent.

"People are coming to us knowing we can fix it. This feels good, doing something that matters," he said.

## Illuminating Engineering Society Announces 'Vision Award' Winners

Sourced from: <https://www.canadianarchitect.com/awards-1/iesbc-vision-awards>

The Illuminating Engineering Society of British Columbia (IESBC) has announced its winners for the 2016 'Vision Awards.' The not-for-profit celebrates outstanding BC lighting engineers and designers for their local and international projects, and aids in the application of international award opportunities and IES's 'Illumination Awards.'

IESBC's 'Vision Awards' is stage one leading up to IES's National 'Illumination Awards.' This year's winners in three categories include (to see photos of the winning designs, visit <https://www.canadianarchitect.com/awards-1/iesbc-vision-awards>):

### **Award: The Edwin F. Guth Memorial Award for Interior Lighting Design**

Project: UBC Student Union Building  
Lighting Design Firm: AES Engineering Ltd.

### **Award: The Outdoor Lighting Design Award (sponsored by Eaton)**

Project: SFU's New Observatory and Science Courtyard  
Lighting Design Firm: Integral Group Consulting (BC) LLP

### **Award: BC HYDRO Lighting Redesign Award**

Project: L'Occitane en Provence Vancouver Flagship  
Lighting Design Firm: Render Lights & Planning  
Submissions were judged locally based on how well the lighting design met the program criteria and is not a competition. This year's IESBC judges included Shail Mahanti, Douglas Welch, Matt Davis, and Carol Kelley.

IESBC aims to bring together the best of BC's lighting professionals, including lighting designers, engineers, architects, interior designers, manufacturers, representatives, and distributors. The organization offers monthly seminars to educate trade and residential designers, as well as anyone interested in learning more about the lighting industry.

For more information on IESBC, including membership, upcoming BC seminars, and how to get involved, visit [www.iesbc.org](http://www.iesbc.org).

Submissions for the 'Illumination Awards' open January 1, 2017. For information on the award submission process, please contact the Section Chair at [awards@iesbc.org](mailto:awards@iesbc.org).

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## LEGAL MATTERS

### Contractor's Claim for Extras and Changed Circumstances Held to be Ineffective due to Lack of Particulars

Sourced from: <http://www.constructionlawcanada.com/building-contracts>

In *Ross-Clair v. Canada (Attorney General)*, the Ontario Court of Appeal has recently held that a

contractor's claim for extras and changed circumstances was ineffective because it contained inadequate particulars of the claim.

#### The Extras/Changed Circumstances Clause

The changed circumstances clause in the construction contract stated in part as follows:

**35.4** A written claim referred to in GC 35.3 shall contain a sufficient description of the facts and circumstances of the occurrence that is the subject of the claim to enable the Engineer to determine whether or not the claim is justified and the contractor shall supply such further and other information for that purpose as the Engineer requires from time to time.

#### The Contractor's dealings with the Engineer:

The correspondence leading up to the court proceedings started with a letter from the contractor in December 2008 making a claim for extra time and extra compensation in the amount of about \$1.5 million. The owner replied stating that the contractor had provided inadequate particulars of its claim.

The parties met and then during 2009, the parties engaged in correspondence in which the contractor re-iterated its claim for extra time and compensation and the owner stated that insufficient particulars had been provided. The contractor provided a description of the circumstances that, according to it, caused delay in completion of the construction and attached "Additional Costs Summary" listing subcontractors and the costs attributed to their work, but contained no other supporting documentation. The owner responded, saying that "once we have received additional information from you relating to the assumptions and factual background to your claim, we would suggest that we meet to discuss it, after which the Engineer will determine whether any portion of the claim is justified. Once the Engineer makes that determination, [the contractor] can consider the processes available under the [C]ontract for resolving disputes." The owner extended the time to complete the project to September 14, 2009, but without compensation and without prejudice to the owner's right to contest the contractor's entitlement to any time extension or compensation.

The correspondence continued into 2011 with the contractor now submitting a claim of about \$2.2 million but providing no breakdown of the costs being claimed and the owner replying that the contractor's letter "did not contain a sufficient level of detail." The owner asked for "documentation to substantiate each of your costs on the original [Claim] and the additional Claim] that you have referenced in your letter of April 2, 2011, with proof that the delays responsible for these additional costs were caused by [the owner]. Until this is received [the owner] will not be able to assess your entitlement to any additional compensation."

The contractor's work was certified by the engineer as complete in February 2012 and the contractor was not granted any further extension to the Contract.

In May 2013, the contractor provided the engineer with an expert report called "Analysis of Delays and Additional Costs".

The contractor commenced an application for an order compelling the engineer to consider its claim for extra payment. The Superior Court judge granted that order. The owner appealed and the Court of Appeal set aside that order and declared that the contractor's claim for extra payment was barred by operation of the contract.

### Reasons of the Ontario Court of Appeal

The Court of Appeal found that the contractor had not complied with the requirements relating to a claim for changed condition or extras for the following reasons:

The General Conditions contained both a form requirement and a timing requirement. The form requirement meant that the claim must be in writing and “must contain a sufficient description of the facts and circumstances to enable the Engineer to make a decision as to whether the claim is justified.”

If the contractor’s claim is for extras, the contractor must give written notice within 10 days of the occurrence giving rise to that claim. Then, the contractor must submit a claim within 30 days of the date that a Final Certificate of Completion is issued. GC 35.4 “provides an opportunity for the Engineer to request further information in support of the Claim and the contractor to respond to any such request”, and “expressly allows this process to continue beyond the date when the work is certified as being complete.”

“The nature of the information required by [other portions of the General Conditions] provides additional context for the interpretation of GC 35.4”. Those portions deal with how costs are determined prior to work being undertaken and state that, “in order to facilitate approval of a change, the contractor must submit a cost breakdown identifying, at a minimum, the costs of labour, plant, and material; each subcontract amount; and the amount of the percentage mark-up”.

Both the Superior Court Judge and the Court of Appeal held that the contract established a “Code” under which, in the Court of Appeal’s words, “[the contractor] could seek payment for extras relating to changes in soil conditions, or neglect or delay by [the owner]”. The Court of Appeal held that the Code “contemplates a process for dealing with a contractor’s claim for extras in which the Engineer has control sufficient that it can fulfill its obligation to determine whether a claim is justified. The Engineer receives the claim. The Engineer decides whether the information provided within the prescribed time frame is sufficient to determine if the claim is justified. If so, the Engineer decides the amount, if any, to be paid to the contractor — again, subject to arbitration. The Engineer fulfills this important role in the context of a Code that, in my view, depends on a highly specific informational component.” (underlining added).

The Court of Appeal held that the contractor’s claim did not satisfy the requirements of the “Code” for the following reasons:

- a. While the contractor must give notice of its claim within 10 days of the events giving rise to it, the extended time during which the contractor must submit its written claim contemplates that the claim will be a substantive claim, not just further notice of the claim.
- b. In addition, the contractor was required to submit a cost breakdown identifying, at a minimum, the costs of labour, plant, and material; each subcontract amount; and the amount of the percentage mark-up, and the submission of detailed information if it was not possible to predetermine the price of a change.
- c. The combined effect of these requirements was that, even though GC 35.4 did not state that a “detailed” claim must be submitted, that word must be read into that provision. The Court of Appeal said:

“The language used in GC 35.4, interpreted in the context of the rest of the Code, leads me to conclude that even though the word “detailed” is not included in GC 35.4, the requirement that a contractor submit a claim in writing sufficient to enable the Engineer to determine whether the claim is justified cannot be interpreted in a manner other than that it must be supported by detailed information. Without detailed information, it is difficult to see how the Engineer would be able to make a decision as to the validity of a claim. In my view, such a decision requires “proof” that the claim is justified.”

- d. The contractor’s letters “provided little if any support for the [\$1.5 million] Claim. Among other things, the letters failed to include information relating to the nature and extent of [the owner’s] responsibility for the delay, to address whether compensation had already been paid on account of the extra expense or to explain whether the extra expense contained in the [\$1.5 million] Claim fell within the classes of expenses compensable under GC 35.5 and GC 49 or GC 50, and, if so, in what amount.”
- e. In addition, the contractor’s letters “were inconsistent and therefore confusing” in terms of the location where the extra work was said to be required. Furthermore, the contractor’s cost summary “provided skeletal information listing the amounts attributed to various sub-contractors but no breakdown identifying, for example, the costs of labour, plant, and material or the amount of the percentage mark-up.”
- f. Accordingly, the contractor’s claim lacked specificity, was confusing in terms of identifying the parts of the project affected by the delay, was accompanied by virtually no information in support of the extra work done and the costs associated with any such work, and therefore did not meet the requirements of GC 35.4

### Discussion

This decision is of vital importance to contractors submitting claims for extras or changed circumstances under building contracts. If the language of the contract could potentially be read as requiring the contractor to provide details of the claim, then the Court of Appeal has set a very high bar so far as those details are concerned. Indeed, the contractor must determine if the word “detailed” may be read into the contract, as occurred in this case. If that is a possibility, then those details must be provided. This decision provides a virtual roadmap or check list to consult when developing the details for such a claim.

Those details are higher than are normally required for the commencement of a legal claim in court. The rationale for that higher bar is both the wording of the building contract and the role of the engineer in scrutinizing the claim and rendering a decision about its validity. The Court of Appeal considered that the engineer could only perform its function in a timely manner if those details were provided.

One can wonder whether the bar has been raised too high in this decision. The Court of Appeal has set a very high standard relating to the materials to be submitted for the consultant’s review, by reading the word “detailed” into the requirements of a claim, and by holding that the claim procedure entailed a “highly specific informational component” involving “proof” that the claim is justified. Is this standard of proof suitable at that stage of the claim, or more suitable for the later arbitration of the dispute?

In the alternative, should the contractor be allowed to amend the claim to provide details after the time limit for delivering the claim has expired, as long as no prejudice has been suffered? That is the normal course in court proceedings. It would be extremely rare for a court action to be dismissed for lack of particulars. The plaintiff would almost always be given the right to amend the claim to provide further particulars.

This decision goes in the drawer of important decisions, to be pulled out when a claim for extras or changed circumstances is being considered.

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## ASSOCIATION LINKS

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

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## ASSOCIATION LIAISON

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Alberta Association of Architects (AAA)

<http://www.aaa.ab.ca/>

Alberta Painting Contractors Association (APCA)

[www.apca.ca](http://www.apca.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)

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)

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

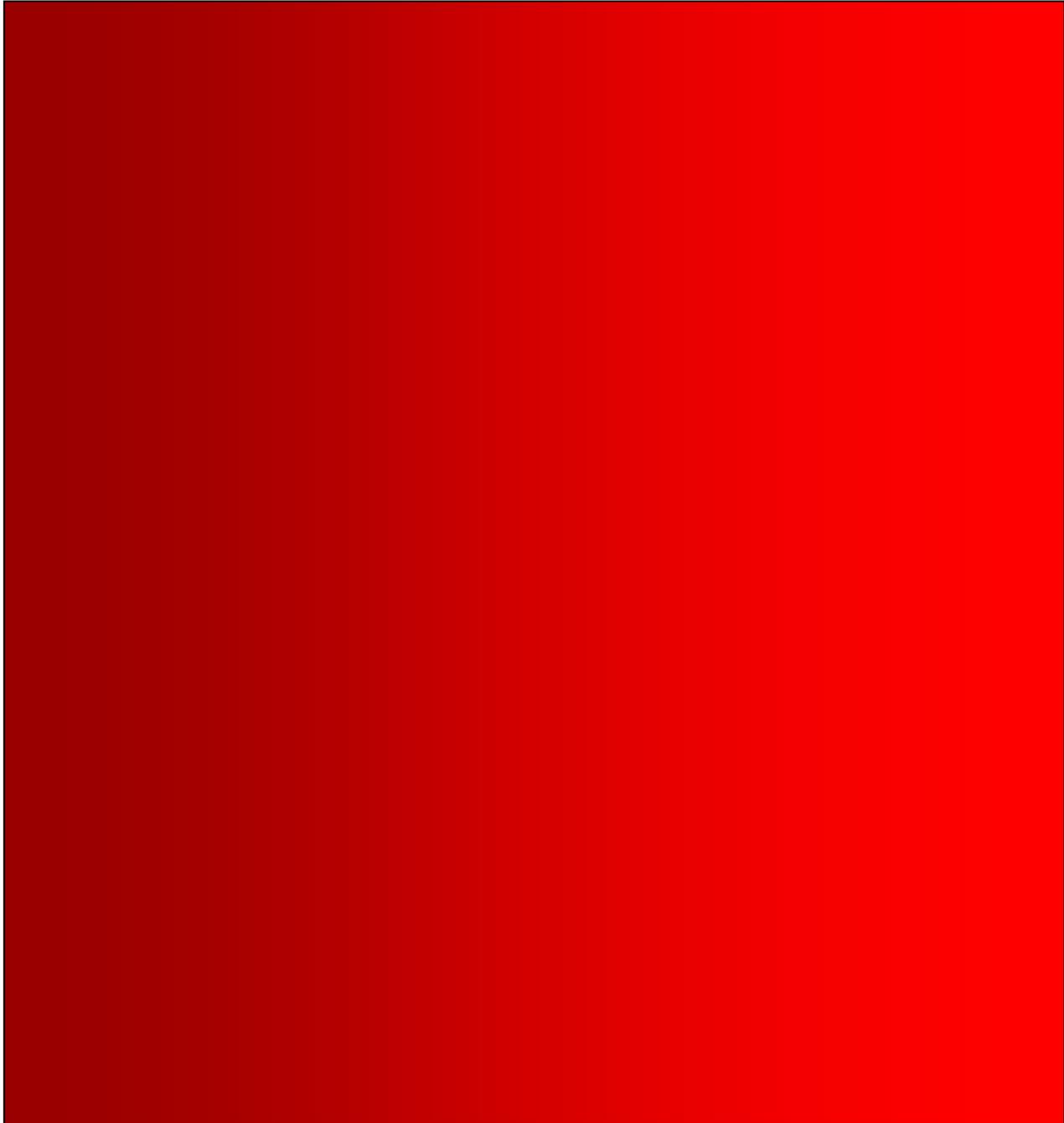
Portland Cement Association  
[ConcreteTechnology@cement.org](mailto:ConcreteTechnology@cement.org)

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

<http://www.cea.ca/> [info@cea.ca](mailto:info@cea.ca)

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)





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## Bulletin Board

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### *Calling all CSC Edmonton Chapter Members!!*

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The Edmonton Executive will be hosting the 2018 Annual CSC Conference, and we want YOUR input! We are looking for Conference themes and logos, and want YOUR help!

Do you have a great idea for a theme? A logo? Even if you think it's silly, send it in! All participants will be entered into a draw for a small token of our appreciation.

Contact the Newsletter Editor, Tracey Stawnichy, the Chair, Kevin Osborne, or the Vice-Chair, Jeff Halashewski with your ideas before September 15.

Do you want to help out during the Conference? We have many volunteer positions available and would love to have you! It promises to be an exciting, amazing experience, to learn more about the CSC on a national and Chapter level. Let us know, and we'll fit you in!

The Executive

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<p><b>Secretary</b></p>  <p>Richard Lucid, Sales Garland Canada Inc. P: 780-485-7612 <a href="mailto:lucid@garlandcanada.com">lucid@garlandcanada.com</a></p>	<p><b>Officer Architect</b></p>  <p>Linda Lipinski-Olson; PWGSC P: 780-884-8608 <a href="mailto:linda.lipinski-olson@pwgsc.gc.ca">linda.lipinski-olson@pwgsc.gc.ca</a></p>	<p><b>Officer BIM, Specifications, Sustainability, &amp; Website</b></p>  <p>David Watson FCSC, CET President Digicon Information Inc P: 403-896-0728 <a href="mailto:david@digicon.ab.ca">david@digicon.ab.ca</a></p>	<p><b>Officer Professional Development</b></p>  <p>Mike Ewaskiw, CTR District Manager StonCor Group P: 780-237-7844</p>
<p><b>Officer Engineer</b></p>  <p>Position Open</p>	<p><b>Officer Interior Design</b></p>  <p>Corry Bent, DID, BA Design <a href="mailto:cbent@shaw.ca">cbent@shaw.ca</a></p>	<p><b>Officer Liaison</b></p>  <p>Lisa Towe Dialog P: 780-429-1580 <a href="mailto:ltowe@dialogdesign.ca">ltowe@dialogdesign.ca</a></p>	<p><b>Officer Manufacturing</b></p>  <p>Mike Lafontaine Expocrete P: 780-962-4010 <a href="mailto:Mike.Lafontaine@oldcastle.com">Mike.Lafontaine@oldcastle.com</a></p>
<p><b>Officer Marketing, Promotion &amp; Infonet</b></p> <p>Position Open</p>	<p><b>Officer Membership</b></p>  <p>Donna DeVloo President/Owner Biblioteca Technical Library Consultant P: 780-984-5612 <a href="mailto:ddevloo@bibliotecainc.com">ddevloo@bibliotecainc.com</a></p>	<p><b>Officer Newsletter</b></p>  <p>Tracey Stawnichy, LEED AP, CSC Project Coordinator Architecture   Tkalcic Bengert P: 780-994-3699 <a href="mailto:stawnichy@arch-tb.com">stawnichy@arch-tb.com</a></p>	<p><b>Officer at Large</b></p>  <p>David Lawrence P: 780-901-7260 <a href="mailto:dave.lawrence@al13.ca">dave.lawrence@al13.ca</a></p>
<p><b>Officer Technical Program</b></p>  <p>Kevin Ainscow Technical Representative, Northern Alberta IKO Industries, Commercial Div P: 780-499-7706 <a href="mailto:Kevin.Ainscow@IKO.com">Kevin.Ainscow@IKO.com</a></p>	<p><b>Officer Trade Contractor</b></p>  <p>Position Open</p>	<p><b>Officer General Contractor</b></p>  <p>Keith Robinson, FCSC, RSW P: 780-917-4690 <a href="mailto:krobinson@dialogdesign.ca">krobinson@dialogdesign.ca</a></p>	<p><b>Officer Owner's Rep</b></p>  <p>Cam Munro, CTR P: 780-231-1739 <a href="mailto:Cam.munro@gov.ab.ca">Cam.munro@gov.ab.ca</a></p>

<b>Officer Landscape</b> Position Open			
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