



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 2021 Edition

Editor: Tracey Stawnichy



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Wednesday, June 16, 2021; Noon – 1pm

CCDC2 Contract Changes

A new edition of Canada's most commonly used standard construction contract is an infrequent but important event! The 2020 edition of CCDC 2 released late in 2020 has some significant changes that industry practitioners need to be aware of. This one-hour presentation will provide an overview of the most important changes to the contract and will give you the opportunity to ask questions of three knowledgeable individuals from CCDC.

Eric Lee is the former Secretary of CCDC, having served in that capacity from 1993 until just recently, while employed by the Canadian Construction Association. Eric worked directly with the CCDC working group that was responsible for the changes to the newest CCDC 2 and will provide the overview.

Herb Guhl, RSW, FCSC, is a long-time member of the CSC Edmonton Chapter who has had a long association with CCDC. Herb was the public sector owner representative on CCDC from 1995 to 2006, while Director of Procurement at Alberta Infrastructure. Herb is semi-retired but continues to serve clients through his consulting practice, Contrax Consulting Inc. Herb is currently Document Advisor to CCDC.

Mary Ghobrial is the newest addition to CCDC, now serving as CCDC Secretary, while in the position of Assistant Manager, Contracting Best Practices, with the Canadian Construction Association in Ottawa.

Click on the link below for tickets!

<https://www.eventbrite.ca/e/ccdc2-contract-changes-tickets-156115326143>



2020 / 2021 Edmonton Chapter Executive		
Director	Tracey Stawnichy	780 994 3699
Chairman	Andrew Brassington	587 341 5268
Vice-Chairman	Dylan Leclair	587 335 9552
Secretary	Jessica Prosser	587 340 7169
Treasurer	Catherine Osborne	780 486 6400
Architect	Kevin Osborne	780 717 1007
Chapter Liaison	Position Open	
Education	Mike Ewaskiw	780 237 7844
Engineer	Jamie Murphy	780 983 0288
General Contractor	Renee McKenzie	780 717 7798
Interior Design	Corry Bent	780 995 1647
Manufacturer/Supplier	Mike Lafontaine	780 907 4920
Marketing, Promotion, and Communications	Position Open	
Membership	Joseph Trivellin	587 785 6484
Newsletter	Tracey Stawnichy	780 994 3699
Specifications	David Watson	780 758 4147
Website Administrator	David Watson	780 758 4147
Trade Contractor	Position Open	
Program	Kyla Keller	780 643 3233
	Jessica Prosser	587 340 7169
Owner's Rep	Cam Munro	780 231 1739
Sustainability	Position Open	
At Large	Dave Lawrence	780 901 7260

Advertising Rates

Business Card: April 1 to May 30
 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.

Chapter Sponsor

New Chapter Sponsor Bundles:
edmonton.csc-dcc.ca/About+Us/Sponsor+Opportunities+-+CSC+Edmonton+Chapter/

Student Sponsor

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 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:

Congratulations to Donna Cooper for winning the draw at the ACM for 2 rounds of golf at the Northern Bear Golf Club! FORE!

Chair's Message



Andrew Brassington, CSC Edmonton | Chapter Chair

Hello Chapter Members,

As the Executive winds down for the summer, it's hard not to get excited about what is ahead of us.

First off, congratulations to Donna Cooper who won 2 rounds of golf at Bear Lake for attending the ACM this past month.

We have one more great webinar in June. Please check out our Event Section for more details.

When we come back, we will be doing our first in person event with our annual golf tournament. More information to follow.

Have a great summer!

Membership in CSC

Joseph Trivellin, CTR



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.

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

Mr. Jim Dobie, Senior Associate

TBD Architecture + Urban Planning

9916 – 81 Avenue NW, Edmonton, AB T6E 1W6

Tel: (780) 405-7116 Fax: N/A

Email: jdobie@tbdarch.com

Website: www.tbdarch.com

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 your education needs.

Mike Ewaskiw, CTR, Manager

Architectural & Engineering Services

P: 780-237-7844 E: mewaskiw@stonhard.com

EDUCATION COURSES

Upcoming Classes:

- [Principals of Construction Documentation \(PCD\)](#) – TBD
- [Specifier](#) – TBD
- [Construction Contract Administration \(CCA\)](#) – TBD
- [Technical Representative \(TR\)](#) – TBD

Upcoming Classes Online:

[Principles of Construction Documentation \(PCD\)](#) – TBD
[Technical Representative \(TR\)](#) – TBD

Upcoming Workshops:

[Principles of Construction Documentation \(PCD\) 5 Day Workshop](#) – January 15, 2021 (5 weeks)
[Construction Contract Administration \(CCA\) 5 Day Workshop](#) – January 15, 2021 (5 weeks) /
March 5, 2021 (5 weeks)
[Specifier \(SP\) 7 Day Workshop](#) – February 22, 2021 (7 weeks)
[Technical Representative \(TR\) 5 Day Workshop](#) – February 26, 2021 (5 weeks)

Social Media:

Check us out:



Articles of Interest

Office of the Future – What the Post-Covid Workplace Will Look Like -

Sourced from: <https://www.architectmagazine.com> / Blain Brownell



In a recent report titled “The Nowhere Office,” consultant Julia Hobsbawm describes the radical changes that COVID-19 will bring to the workplace. The past year has upended the traditional connection between work and place, resulting in remote employees feeling untethered. But the flexibility that working from home brings is undeniable. In a post-pandemic world, the office will include multiple settings. “This new hybrid space where ‘the office’ is, will be multi-site, never 9–5, and flexible in its working

patterns,” Hobsbawm writes.

The report, published by the Demos Workshift Commission, a British think tank, describes an identity crisis of place. In the previous paradigm, place dictated activity. Simply put, we “went” to work. In the post-COVID era, however, activity will more frequently influence place. As more employees can decide where to fulfill the requirements of their jobs, work will come to them. This is certainly not a new phenomenon, but COVID-19 proved the viability of remote work and helped accelerate the change.

Nevertheless, place still matters. Environmental factors profoundly influence our health, productivity, and overall outlook. Work will still need to happen somewhere to be effective. Even if the traditional office is now obsolete, tomorrow’s workplace – wherever it is – will require no less attention to function, innovation, and craft. Here’s how architects and designers will transform the design of our work-related environments.

“The timing is right,” said Hira. “There are buds shooting out from the ground, consulting companies are rising, we see a new president down south who is turning his attention to climate change and clean tech. Now is our window of opportunity to grow world-class companies. Our own resources could be our proving ground.”

Distributed Programs

As work extends to more places outside the traditional office, the same trend will follow for other activities. Our simplistic paradigm of home, work, and “third places” is outmoded: Each site is now expected to accommodate elements from the other two. The growing trend of distributed programs – seen in the home office – was evident before the pandemic but has since gained momentum. For example, the home now serves as workplace, school, gymnasium, café, spa, and, thanks to online shopping, retail store. After a year of Zooming from one’s favorite couch with a cat and teacup within arms’ reach, the prospect of returning to a formal workplace every day may be unappealing. As a result, traditional offices will continue to expand available activities, adding elements of residential design for enhanced comfort. Similarly, third places will continue to support both work- and home-based pursuits. Although these changes point to increased flexibility, a downside is that the design of home, office, and third places will increasingly look the same.

A Barbell-Shaped Strategy

In the post-COVID world, our approach to scale will change. We will gravitate toward smaller private spaces and larger communal ones – a barbell-shaped approach. At the small end: working and schooling from home have revealed the welcome benefits of partitions. So has an open office floor full of employees on Zoom. Remote videoconferencing is here to stay, and the resulting need for acoustic

separation is motivating a technology-influenced return to raumplan design, or compartmentalization into individual spaces. In the workplace, that means the addition of small conference rooms and office pods. Residential design will similarly benefit from the incorporation of acoustically protected nooks for remote work. At the same time, fear of person-to-person contact will motivate the design of larger spaces for groups – especially meetings that include visitors from the outside. Those gathering spaces will offer more “breathing room” with greater social distancing.

After more than a year working remotely from different parts of the house while changing Zoom backgrounds on a whim, employees will seek greater control over individual workplaces. Customizable features may include climate controls, lighting, and adjustable surfaces such as electrochromic glass or Electronic Paper Displays.

Furni-Spaces

After the pandemic, function-specific furniture will give way to a wider variety of types, especially in “hot desk” locations with unassigned seating. A factor of rising importance here will be “perch-ability” – the Goldilocks phenomenon whereby a user seeks the optimal setting, or perch, for accomplishing a particular task. Workers will move more frequently between locations – assuming different postures at each one – providing physical benefits over sitting in the same task chair all day, every day. Furniture and spaces will also merge. Pods, sound booths, and tall banquettes that will marry the ergonomics of furniture with acoustic and visual privacy will proliferate. Variability and customization will be essential. After more than a year working remotely from different parts of the house while changing Zoom backgrounds on a whim, employees will seek greater control over individual workplaces. Customizable features may include climate controls, lighting, and adjustable surfaces such as electrochromic glass or Electronic Paper Displays.

Working on the Edge

We now know that poor indoor ventilation and substandard HVAC systems can lead to Coronavirus transmission. Working from home has also reinforced the health benefits of having operable windows (or of sitting in backyard gardens, for that matter). Employees will be less enthused to return to a traditional office environment with stagnant air, fixed windows, and deep floor plates. The demand for work settings along a building’s perimeter will increase, as will the desire for operable apertures and access to semi-outdoor spaces. In this way, future office buildings may adopt some of the formal vocabularies of multifamily residential structures. Meanwhile, existing buildings will be adapted to include operable glazing, sheltered terraces, and the incorporation of new courtyards and light wells carved out of deep floor plates. Such perimeter-priority enhancements will provide the additional benefit of reducing the likelihood and intensity of sick building syndrome, a prevailing problem in many traditional office buildings.

From Nowhere to Somewhere

The reoccupation of the workspace presents a significant opportunity for architects and designers. The post-COVID “working life won’t be the ‘old normal,’” as Hobsbawm declares. Although there will be a strong impulse to convene in shared workplaces again, expectations for these spaces – and for work itself – have shifted. Program will increasingly be defined less by the container and more by individual choices. There will be more pressure to accommodate elements of live, work, and play in multiple settings. To that end, the silos that separate corporate and commercial design from residential design should be dismantled. The challenge for architects and designers will be to support these changes and shifting programmatic identities while still designing purposeful and memorable places.

Researchers Creating Wearable, Colour-Changing Stickers to Detect COVID-19

Sourced from: <https://www.constructiondive.com> / Jenn Goodman

In what could have major ramifications for workers in a host of industries including construction, researchers at the University of California San Diego are developing a color-changing test strip that can be stuck on a mask and used to detect COVID-19 in a user's breath or saliva.

The project, which received \$1.3 million from the National Institutes of Health, is aimed at providing simple, affordable and reliable surveillance for COVID-19 infections that can be done daily and easily implemented in resource-poor settings such as construction sites, according to a news release.



The test strips, or stickers, will be designed to adhere to any type of mask, and will detect the presence of protein-cleaving molecules, called proteases, that are produced from infection with the SARS-CoV-2 virus.

As the user breathes through the mask, particles – including SARS-CoV-2 proteases if the user is infected – will accumulate in the test strip. At the end of the day or during a mask change, the user can conduct the test by squeezing a blister pack to release nanoparticles that change color in the presence of the SARS-CoV-2 proteases.

A control line on the test strip will show what a positive result will look like.

“In many ways, masks are the perfect ‘wearable’ sensor for our current world,” said Jesse Jokerst, professor of nanoengineering at the UC San Diego Jacobs School of Engineering and lead principal investigator of the project, in the release. “We’re taking what many people are already wearing and repurposing them, so we can quickly and easily identify new infections and protect vulnerable communities.”

Jokerst said, however, that the strips are not meant to replace other COVID-19 testing protocols.

“Think of this as a surveillance approach, similar to having a smoke detector in your house,” he said. “This would just sit in the background every day and if it gets triggered, then you know there’s a problem and that’s when you would look into it with more sophisticated testing.”

The test strips can be easily mass produced via roll-to-roll processing, he said, keeping costs down to a few cents per strip. He told NBC San Diego that the concept should be approved this summer and the strips would be ready for distribution by year's end. The strips would cost about \$1 a piece, he added.

Jokerst is teaming up with researchers at UC San Diego School of Medicine to test the strips first on COVID-19-positive saliva samples, then on patients and healthcare workers at Veterans Affairs San Diego Healthcare System.

Face coverings have become an invaluable tool to help mitigate the spread of COVID-19 on jobsites. Although there is no nationwide mask mandate for construction sites, many states and local jurisdictions have requirements for wearing them at work.

That could soon change, as President Joe Biden directed OSHA last week to consider a national emergency temporary standard for COVID-19 in the workplace, including whether masks should be worn at work, a step OSHA declined to take under the Trump administration. If the agency decides to implement a nationwide ETS it would need to do so by March 15.

Solar Panels Made From Food Waste Win Inaugural James Dyson Sustainability Award

Sourced from: <https://www.dezeen.com> / Jennifer Hahn

Engineering student Carvey Ehren Mague has been named the James Dyson Awards first-ever global sustainability winner for his AuReus system, in which waste crops are turned into cladding that can generate clean energy from ultraviolet light.

AuReus cladding can be applied to windows or walls.



Unlike traditional solar panels, which only work in clear conditions and must face the sun directly because they rely on visible light, the translucent AuReus material is able to harvest power from invisible UV rays that pass through clouds.

As a result, it is able to produce energy close to 50 per cent of the time according to preliminary testing, compared to 15-22% in standard solar panels.

When applied as a kind of fluorescent covering to windows or facades, AuReus can capture UV rays bouncing off of pavements and the surrounding architecture, turning entire buildings into vertical solar farms.

This maximises the amount of energy that can be generated.

AuReus takes its name from the aurora borealis and is inspired by the physics that power the northern lights. Luminescent particles in the atmosphere absorb high energy particles like ultraviolet or gamma rays, before

degrading and reemitting them as visible light.

Similarly, Mague's system uses luminescent particles derived from waste agricultural crops. To pull out the bioluminescent particles from specific fruits and vegetables, Mague goes through a process of crushing them and extracting their juices, which are then filtered, distilled or steeped.

The particles are suspended in resin before the resulting substrate is moulded into cladding and clamped onto walls or sandwiched between the two panes of a double-glazed window.

These particles convert UV light into visible light, which is reflected to the very edges of the panel.

"The light relies on internal reflectance of the material to self-correct and guide itself towards the emitting edge," said Mague, who is a student at Mapua University in the Filipino capital of Manila. "This can be controlled by specific laser etching patterns as well."

This visible light can then be captured and converted into electricity by a string of regular photovoltaic (PV) cells, like the ones found in regular solar panels, which fringe the outside of the cladding.

With the help of integrated regulating circuits, this electricity can then either be stored or used immediately.

The material is made using waste agricultural crops

"In that way, it can be directly used as a stand-alone or can be connected in groups to produce a higher output," he told Dezeen. "It can also be easily integrated into existing solar photovoltaic systems since its electrical output is suitable for such systems as well."

The crops used are sourced from local farmers, who have been affected by severe, climate change-induced weather disruptions.

Around a quarter of people in the Philippines rely on the agricultural sector for their employment but due to global warming, the industry is being affected by more frequent and extreme weather events, which damaged more than six million hectares of crops between 2006 and 2013, worth an estimated \$3.8 billion.

By repurposing some of the crops that were rotting on the fields, Maigue makes use of an untapped waste stream and gives farmers a way to monetise their lost yield.

"Combatting climate change is a journey that will need several generations to complete. This means great products alone would not suffice," the engineer said.

"In the conception of AuReus, I aimed to create a future-facing solution in the form of renewable energy and at the same time integrate a present-day value-creating solution for our farmers, who are being affected negatively by the present-day effects of climate change," he continued.

The fruits and vegetables are crushed and filtered to extract bioluminescent particles.



"In this way, we can show people that adapting sustainability to fight climate change is something that can benefit both the present and the future generation and in doing so, we can rally more people in this fight against climate change."

Moving forwards, Maigue plans to turn the AuReus substrate into threads to form fabrics and curved plates to be attached to vehicles and aircrafts.

The Sustainability Award is a new addition to the annual James Dyson Awards, equal to the competition's top prize.

This year's international winner was Spanish engineer Judit Giró Benet and her at-home breast cancer testing kit. Both she and Maigue take home £30,000 to fund the further development of their projects.

Among the 2020 national winners was the UK's Tyre Collective, with a wheel-mounted device that can capture microplastic emissions from car tyres, and an artificial voice box by Japanese engineer Takeuchi Masaki that can mimic the wearer's former voice.

AIA Takes a Stand Against Executions, Solitary Confinement

Sourced From: Sourced from: <https://www.buildinggreen.com> / Nadav Malin



In its 2020 revision of its Code of Ethics, released on December 11, 2020, the American Institute of Architects (AIA) adopted two new rules: Rule 1.403 against the design of spaces intended for execution, and Rule 1.404 against the design of “spaces intended for torture, including indefinite or prolonged solitary confinement.”

This update represents a major departure for the Institute, which has long resisted calls from Architects/Designers/Planners for Social Responsibility (ADPSR) and other organizations to limit the role of architects in perpetuating an unjust system of criminal justice, arguing that members shouldn't be restricted from providing services that are legal and that conform with the norms of American society. In its commentary on the first rule, AIA's Code of Ethics explains: “Designing spaces intended to end human life is inconsistent with the ideal of upholding human rights. What is lawful and what is ethical are two separate inquiries; acting lawfully may not equate to acting ethically.”

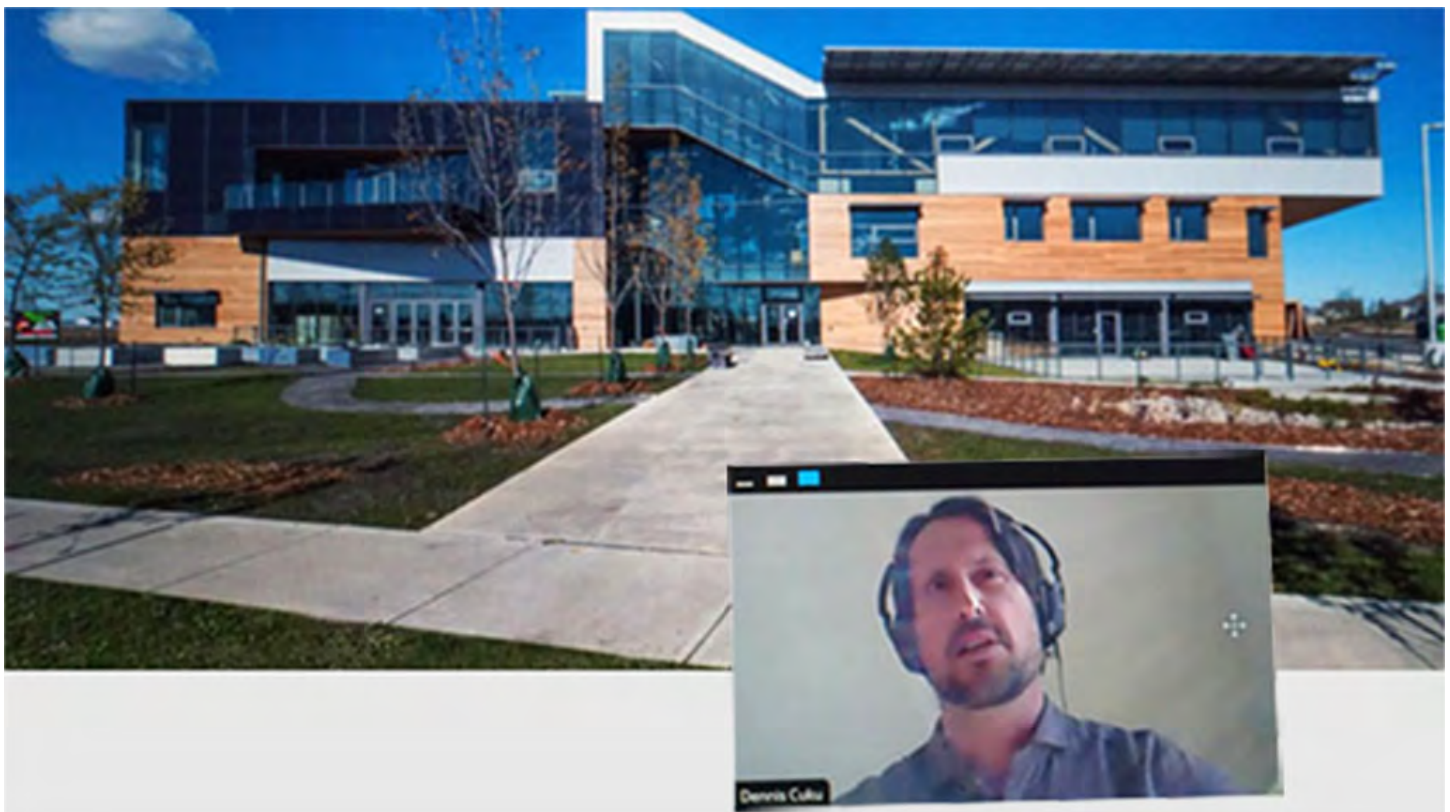
The new rule on torture references UN Resolution 70/175, “United Nations Standard Minimum Rules for Treatment of Prisoners,” also officially named the “Nelson Mandela Rules.” Based on that UN Resolution, it defines “prolonged solitary confinement” as more than 15 consecutive days with “twenty-two (22) hours or more per day without meaningful human contact.”

In celebrating the change, ADPSR argues that the Code of Ethics, as evidence of a public standard of decency, can now become a factor in legal cases regarding torture and execution. ADPSR also notes that most prisons include facilities for solitary confinement, so AIA members who design them will now be required to raise questions about the need for those spaces and how they are intended to be used.

AIA's Code of Ethics contains both "ethical standards" and "rules." Ethical standards are aspirational and optional; rules are mandatory. The fact that these changes appear in the form of new rules is significant: members who violate them face sanctions, up to and including loss of membership.

Alberta's First Net-Zero Building Proof 'You Can Build Beautiful' Without Breaking the Bank

Sourced From: <https://canada.constructconnect.com> / Don Proctor



SCREENSHOT – The Mosaic Centre for Conscious Community and Commerce in south Edmonton was constructed in 11 months, 15 months ahead of schedule. It opened in 2015 and was recently showcased at the Wood Wellness Summit 2021, put on by the Canadian Wood Council, as an example of "a better building" that didn't break the bank.

The success of Alberta's first net-zero, LEED Platinum commercial building is proof that "you can build beautiful on a conventional budget."

Those are the words of Dennis Cuku, founder and director of Everyday Happening, RevisionOne Performance Partners, the consulting company behind the development of the Mosaic Centre for Conscious Community and Commerce in south Edmonton.

Speaking at the Wood Wellness Summit 2021 put on by the Canadian Wood Council recently, Cuku described to a webinar audience how he came to build "a better building" without breaking the bank.

It wasn't easy.

The journey started after Cuku led his small but growing engineering firm through a series five office moves in five years in search of space that was right for the company's needs.

In 2012, on the brink of a sixth move, Cuku decided to lead a team to design their own building, but not just another commonplace concrete tilt-up structure with drywall interiors.

The first hurdle to his ambitious design was the banks. His application for an \$8 million loan to finance the project was rejected five times because the unusual hybridized timber design "didn't fit" the banks' risk profile, he told the audience.

To finally get approval for the loan he proved through a series of white papers and other research that there were economic advantages to better-built buildings.

Research showed a correlation between attractive work spaces and improved employee productivity and also that tenant turnover rates were lower in well-designed mass timber buildings than in plain office buildings.

"The bank expanded their risk box for me."

The second major challenge was getting construction/material costs for the heavy timber building to "nearly the same costs" as a conventional steel design, he said.

"When I first approached the Edmonton building (and architectural) community...they said this can't be done on a regular budget and timeline."

In an early design charrette, however, one of the team members suggested splitting the timber frame design into two structures and joining them with wood-cladded steel stairs and walkways in an atrium.

"By doing this we were able to mobilize the maximum number of trades and optimize the use of the site" to speed up construction and reduce costs, Cuku said.

Costs were further pared because much of the mass timber structure could be exposed on the interior, eliminating the need for drywall and other finishes, he said, noting the final costs came in only a bit higher than a conventional concrete building.

The project was done under an integrated project delivery (IPD) method, the first private IPD in Alberta.

It was constructed in 11 months, 15 months ahead of schedule largely because construction was free of costly and time-consuming change orders, Cuku said.

Despite having a higher lease rate than conventional office space, the building was fully leased on the day it opened in 2015 and tenants continue to want to stay.

The building's natural light and exposed wood "is a major driver for well-being, job satisfaction and productivity."

Cuku, who said research shows that better buildings reduce worker sick time, called developers out for building based on profit alone.

"I believe if a developer or owner has the additional money to build a better space...and instead chooses to maximize profit at the expense of those who occupy the space, than I think it should be OK to call that negligence."

ASSOCIATION LINKS

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

ASSOCIATION LIAISONS

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

Alberta Painting Contractors Association (APCA)
www.apca.ca

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

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

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

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

Portland Cement Association
ConcreteTechnology@cement.org

Interior Designers of Alberta
www.interiordesignalberta.com

Alberta Painting Contractors Association (APCA)
www.apca.ca

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

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

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

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

Edmonton Construction Association
www.edmca.com
contact@edmca.com

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



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LARRY J. BENNER, CMA, CTR

Cell: 403.608.7669
Fax: 888.445.0740
lbenner@pilotgroup.ca

3240 Cedarille Dr. SW
Calgary, AB T2W 2H1

Bulletin Board

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 and we will be quick to get back to you!

Open Positions Include:

Officer Marketing
Newsletter Editor
Chapter Liaison

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>Director / Newsletter Editor</p>  <p>Tracey Stawnichy, LEED AP, CSC Construction Administrator ACI Architects Inc. P: 780-994-3699 tstawnichy@aci-arch.com</p>	<p>Chair</p>  <p>Andrew Brassington, CTR Western Canada Sales Rep ROCKWOOL P: 587-341-5268 Andrew.brassington@rockwool.com</p>	<p>Vice-Chair</p>  <p>Dylan Leclair, CTR IKO Commercial P: 587-335-9552 Dylan.leclair@iko.com</p>	<p>Treasurer</p>  <p>Catherine Osborne Administrator ACI Architects Inc. P: 780-486-6400 cosborne@aci-arch.com</p>
<p>Secretary</p>  <p>Jessica Prosser Business Development / Sales DAAM Galvanizing - Edmonton P: 587-340-7169 jessica@daamgalv.com</p>	<p>Officer Architect</p>  <p>Kevin Osborne, CET, CSC Associate / Architectural Technologist ACI Architects Inc. P: 780-486-6400 kosborne@aci-arch.com</p>	<p>Officer Specifications & Website Development</p>  <p>David Watson FCSC, CET President NBS (Canada) (formerly Digicon) P: 780-758-4147 David.Watson@theNBS.com</p>	<p>Officer Professional Development</p>  <p>Mike Ewaskiw, CTR Architectural & Engineering Services Manager Stonhard / Fibergrate P: 780-237-7844 MEwaskiw@stonhard.com</p>
<p>Officer Engineer</p>  <p>Jamie Murphy, RET, P.L. (Eng), CCCA, LEED AP, Principal Read Jones Christoffersen P: 587-745-0266 JMurphy@rjc.ca</p>	<p>Officer Interior Design</p>  <p>Corry Bent, DID, BA Design cbent@shaw.ca</p>	<p>Officer Contractor</p>  <p>Renee McKenzie, Project Manager Jen-Col Construction P: 780-717-7798 mckren40@gmail.com</p>	<p>Officer Manufacturing</p>  <p>Mike Lafontaine Expocrete P: 780-962-4010 Mike.Lafontaine@oldcastle.com</p>
<p>Officer Technical Program</p>  <p>Kyla Keller Architectural Technologist / PM Planworks Architecture Inc. P 780-643-3233 x 63 KKeller@pwarch.ca</p>	<p>Officer Technical Program</p>  <p>Jessica Prosser Business Development / Sales DAAM Galvanizing - Edmonton P 587-340-7169 jessica@daamgalv.com</p>	<p>Officer Membership</p>  <p>Joseph Trivellin, CTR Technical Sales Rep, Edm Adex Systems P: 587-785-6484 Joseph.trivellin@adex.ca</p>	<p>Officer at Large</p>  <p>David Lawrence Retired P: 780-901-7260 davidlawrence@interbaun.com</p>
<p>Officer Sustainability</p>  <p>Position Open</p>	<p>Officer Marketing</p>  <p>Position Open</p>	<p>Officer Trade Contractor</p>  <p>Position Open</p>	<p>Officer – Owner’s Rep</p>  <p>Cam Munro, CTR Alberta Infrastructure P: 780-231-1739 Cam.munro@gov.ab.ca</p>