\$Specifier

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

October 2022 Edition Editor: Tracey Stawnichy

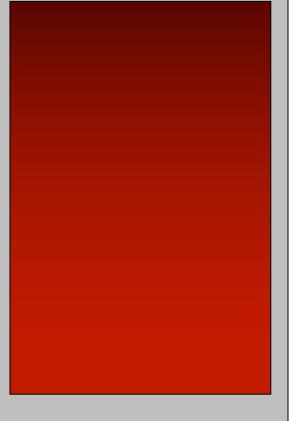
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October, 2022







2022 / 2023 Edmonton Chapter Executive		
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Interior Design	Corry Bent	780 995 1647
Manufacturer/Supplier	Mike Lafontaine	780 907 4920
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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.cscdcc.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:

Chair's Message



Andrew Brassington, CSC Edmonton | Chapter Chair

Hello, Chapter Members,

Happy October! Hope you are having a great month.

I am thankful for what we have accomplished over the last year, and I am excited for what the new season brings.

As it turns out, we had to delay our October event this month but our upcoming event in November is at the Alberta Aviation Museum.

Collaborative and mentorship opportunities await!

Take some time to sign up for the networking event. You never know who you might meet!

As our industry continues to grow, it is important that we grow with it. Want to help shape the direction of the Association? We have spots open on our Executive Committee so please reach out.

Looking forward to seeing you at the next event!

Happy Halloween!

Membership in CSC

Dave Lawrence



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

DESIGN TEAM

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

BUILDING TEAM

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

SUPPLY TEAM

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

THE STUDENT

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

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)

Kevin Osborne, CET, Project Manager Spec Writer, Construction Administrator

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Trish Bolen, Contract Administrator

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Previous Members Re-Joining / Re-Activated

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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) – September 12, 2022 – November 7, 2022 Specifier – TBD

Construction Contract Administration (CCA) - TBD

Technical Representative (TR) – TBD

Upcoming Classes Online:

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

Construction Contract Administrator (CCA) - TBD

Specifier - TBD

Technical Representative (TR) – TBD

Upcoming Virtual Classes:

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

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

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

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

Social Media:

Check us out:





MEET YOUR CSC EXECUTIVE COMMITTEE MEMBERS

Kevin Kramers, CET, CTR, RRO

Officer – Trade Contractor of the Edmonton Chapter

ARCA - Technical Officer



What motivated you to join this industry?

I have always enjoyed building things and seeing how they go together. When I was young it was Lego and Meccano, then it was taking a bike apart and putting it together (hoping I used all the pieces). As I got older, I always loved looking at buildings and looking how they worked. Instead of looking at the art on the wall, I find myself looking at the ceiling to see the structure or amazed at the exposed HVAC work in a restaurant.

What's the one thing people would be surprised to learn about you?

I am very proud to say that I am an 8th generation Canadian. My ancestors were part of the initial settlers of the Red River Settlement in Manitoba.

How long have you been in the industry?

I graduated from the Architectural Technology program at NAIT in 1992. Over the past 30 years (wow) I have had the opportunity to work with a variety of construction types. From a truss plant to an industrial accommodation manufacturer, then moving into public service with police buildings and libraries. Now I work with Industrial-Commercial-Institutional roofs of a variety of sizes, assemblies and shapes!

What's the most interesting project you have been a part of?

Probably the most interesting project I was involved in was testing customer service counter products for ballistic protection. Researching and procuring specialized products able to withstand high caliber rifle rounds really gets the blood flowing! Another was being part of the team that built the undulating concrete roof structure at the new Jasper Place Library in Edmonton. Being involved in something that had never been done, from the design of the structure to the finishing of the concrete and being able to think "I was a part of that" when driving by still brings me a great sense of pride.

What is one thing you like to see in the next 20 years?

Technology is advancing at an exponential rate, and the developments in materials, building science and automated construction will change the way we build and live. With all these advancements I hope we move away from the disposable culture and construct building to last longer than our lifetime (100 years +), something they used to do in many cultures around the world. Tearing down buildings which could be re-purposed or repaired creates wastes materials and contributes to landfills that are already at capacity, something we should avoid at all costs.

Articles of Interest

Steamy Canadian Resort to Have World's Biggest Hot Tub

Sourced from: https://www.globalconstructionreview.com / David Rogers

Geolagoon's rendering of the planned resort



Canadian company Geolagoon plans to build a forest resort around what will be the world's biggest thermal lagoon.

The 12,000-sq-m lake in Charlevoix, an hour northeast of Quebec City, will have an insulated tank that keeps waters at 38°C all year long.

The giant hot tub will eventually be encircled by a village of 300 solar-powered chalets.

The scheme is being modelled on Iceland's Blue Lagoon, and will be heated using a combination of geothermal, biomass and solar systems, along with the thermal reservoir beneath its base to store heat. If all goes to plan, the resort should be energy self-sufficient.

The first phase involves building 150 chalets for sale or renting to tourists. The lagoon itself, which Geolagoon describes as a "huge thermos", will be added in the second stage. The third stage will see another 150 chalets built.

As well as chalets, the village will have art galleries, a ski resort, golf facilities, dining, and a whale-watching site.



The chalets will be solar powered and available to buy or rent (Geolagoon)

Construction is expected to begin in March. According to the company, similar lagoons are planned for three more Quebec locations: Laurentides, Lanaudière and the Eastern Townships.

A New Island Just Appeared in the Pacific Ocean – There's a New Kid on the Block

Sourced from: https://futurism.com / Matthew JBT

Hey, was that there before? A new island has popped up in the southwest Pacific Ocean, according to the NASA Earth Observatory.

This fledgling patch of land spawned out of a seafloor ridge teeming with highest density of underwater volcanoes on the planet. Known as the Home Reef seamount, the underwater mountain stretches between New Zealand and Tonga.

Starting this month, one of those volcanoes bubbled to life and erupted, brimming with lava that spilled out into the surrounding ocean and billowed voluminous plumes of ashy smoke into the air,

according to the Earth Observatory's release.

Eleven hours later, amidst the shimmering heat of the subsiding eruption, a brand spankin' new island emerged. And thankfully, NASA's Operational Land Imager-2 (OLI-2) managed to capture the island in all its new-found glory in a beautiful, natural-color image.



Cauldron of Creation

Initial measurements, collected on September 14, estimated the island to be about 43,000 square feet or one acre in size, and 33 above sea level. But by September 20, the booming little island had grown to almost 260,000 square feet, or six acres in size.

Island-spawning volcanic activity isn't surprising given the Home Reef seamount's position in the Tonga-Kermadec subduction zone, where three tectonic plates converge on each other in a slow, grinding collision. Among that trio is the gargantuan Pacific Plate, and at around 40 million square miles in area, it's the largest tectonic plate in the world.

Because of its overwhelming proportions, subduction means that the Pacific Plate gradually sinks beneath the other two lighter colliding plates, and in the process gapes one of the deepest trenches on Earth into the seafloor, aptly known as the Kermadec Trench, as well as the active Kermadec volcanic arc just behind it.

Unfortunately, this little guy probably isn't going to stick around very long, with NASA warning that islands created by underwater volcanoes are typically short-lived. But there are some exceptions, like one island created from the nearby Late'iki Volcano in 1995 that stuck around for a whole 25 years – though that's not very long in geological terms.

Still, we're rooting for this new one. Hang in there, tiny island!

King Charles III's Impact on British Architecture

Sourced from: https://www.dezeen.com / Tim Ravenscroft

Under his previous title of Prince of Wales, Britain's new monarch exerted significant influence on the built environment through campaigning, torpedoing modernist projects and even building his own traditional towns. Here are six ways King Charles III has impacted British architecture.

King Charles III has a keen interest in architecture and, before he became king, was not afraid to make his opinions known.

As a vocal critic of modernist architecture, he scuppered schemes by architectural heavyweights including Richard Rogers and Ludvig Mies van der Rohe, and prevented modernist additions from being built at the National Gallery and Royal Opera House.

He was equally vocal in his support for traditional architecture, with articles, speeches, a TV documentary and even a book all dedicated to promoting its cause.

Here are six ways in which King Charles III impacted British architecture:

Charles taught everyone the word "carbuncle"

Perhaps Charles' most infamous architectural intervention was his 1984 speech given at the Royal Institute of British Architects to celebrate the institution's 150th anniversary.

In the talk, now commonly referred to as the "carbuncle speech", Charles took aim at modernist architecture in general and a couple of projects in particular. One of the principal targets was a proposed high-tech extension to the National Gallery designed by Ahrends Burton & Koralek (ABK).

Charles described the competition-winning design as "a monstrous carbuncle on the face of a much-loved and elegant friend" and soon after it was dropped. Another competition was organised, which was won by a postmodern structure by Robert Venturi and Denise Scott Brown (pictured).

The word carbuncle was introduced to British architectural journalism and later lent its name to an annual competition to find the UK's worst building launched in 2006 by magazine Building Design – the Carbuncle Cup.

He deprived London of a Mies van der Rohe skyscraper

Another victim of Charles' infamous speech, along with a long-running campaign, was a Mies van der Rohe-designed tower that was proposed for a site in Mansion House.

"It would be a tragedy if the character and skyline of our capital city were to be further ruined and St Paul's dwarfed by yet another giant glass stump, better suited to downtown Chicago than the City of London," Charles said of the proposal.

If it had been built, the 19-storey tower would have been the first and only UK building designed by one of the 20th century's most influential architects. The plight of the building was the subject of an exhibition at RIBA in 2017 and a 160-page hardback book published by REAL.

He gifted London two of its best postmodern buildings

An unintended consequence of quashing these two high-profile modernist schemes was the creation of two of London's best-known postmodern buildings.

Following the rejection of the Mies van der Rohe scheme in 1985, the developer of the site turned to James Stirling, who designed the pink and yellow No 1 Poultry office block. Stirling's last completed building, the postmodern, ship-like structure has divided opinion ever since it was built but was granted listed status in 2016.

At the National Gallery, ABK's loss was Venturi and Scott Brown's gain as they won the reorganised competition with a design for a pilaster-covered postmodern structure. Despite being granted Grade-listed status in 2018, alterations described as "vandalism" are now proposed for the Sainsbury Wing.

Charles scuppered Richard Rogers three times

Mies van der Rohe and ABK were not the only high-profile architects to have had their projects disappear due in large part to Charles' disapproval.

One architect who suffered more than most was Pritzer Architecture Prize-winning architect Rogers, who passed away last year. On three occasions the architect's schemes were apparently scuppered by the then prince. First, Charles spoke out against his Paternoster Square scheme beside St Paul's Cathedral, which was subsequently dropped.

"You have to give this much to the Luftwaffe," Charles said in a speech referring to the scheme.

"When it knocked down our buildings, it didn't replace them with anything more offensive than rubble."

Then his Royal Opera House was abandoned with Rogers claiming: "I was basically told: 'the prince does not like you'."

And finally, Charles wrote a letter to the Qatari developers of a housing scheme at The Chelsea Barracks (pictured) in central London warning them off the architect, which contributed to the scheme being abandoned.

The trio of reversals led to Rogers telling the Guardian newspaper: "Charles knows little about architecture. He sees this debate as a battle of the styles, which is against the run of history because architecture evolves and moves, mirroring society."

He created his own traditional towns

Along with scuppering contemporary designs, Charles has also put his money where his mouth was and backed the development of several traditional towns, with Poundbury being the most notable.

Planned by Leon Krier, with a central square designed by Quinlan Terry, Poundbury is an extension to the town of Dorchester for 6,000 people built on Duchy of Cornwall lands, which Charles controlled.

The classical aesthetic has been described as a Disney-esque model village; however, the development has proved popular with residents and is beginning to win over its critics. In a 2016 piece on the town, Guardian critic Oliver Wainwright wrote "it's getting a lot of things right".

Following the principles laid out at Poundbury, an addition to the Cornish town of Newquay called Nansledan is now being developed. Charles also recently announced a "landscape-led" new town in Faversham, Kent.

He stirred the style wars

The key thread connecting all of Charles' architectural interventions has remained a desire to promote traditional architecture over modern designs, which he has done in numerous ways.

Along with his speeches, he translated his ideals into a BBC documentary called HRH Prince Of Wales: A Vision Of Britain, which was later published as a book (pictured). Charles also published his 10 principles for architecture in the magazine Architecture Review in 2014.

His vocal interventions contributed to a feeling of animosity between classical and modern architects, which has been described as a style war. Charles alluded to this in a 2009 speech given at RIBA to mark the institution's 175th anniversary.

"There is something I've been itching to say about the last time I addressed your institute, in 1984; and that is that I am sorry if I somehow left the faintest impression that I wished to kick-start some kind of 'style war', between classicists and modernists; or that I somehow wanted to drag the world back to the 18th century," he said. "All I asked for was room to be given to traditional approaches to architecture and urbanism."

Edmonton EXPO Centre Aims for Solar Panel Record

Sourced From: Sourced from: https://www.constructioncanada.net

The City of Edmonton will install solar panels on Edmonton EXPO Centre's rooftop to create one of Canada's largest rooftop solar arrays, capable of powering the building with its own renewable, clean solar energy.

During Phase 1 of the project, anticipated to reach completion in November this year, 5574 panels will be installed to cover 18,000 m2 (193,735 sf) of roof space over Halls D through H of the centre. If Phase 2 gets the go ahead, there will be additional panels installed over Halls A, B, and C.

The City of Edmonton will install solar panels on Edmonton EXPO Centre's rooftop to create one of Canada's largest rooftop solar array, capable of powering the building with its own renewable, clean, solar energy. Photo courtesy Bigstock



allowed us to build an array of this size."

According to Global News, program manager Brad Watson related the projected cost for the solar installation to be \$5 million, and explained once operational, it is expected to generate more than 2.8 gigawatts of annual energy, equivalent to energy consumption of nearly 375 homes.

"The Edmonton EXPO Centre is a unicorn of sorts when it comes to rooftop solar panels," said Watson. "Its size and dimensions, unobstructed sightlines and lack of interfering rooftop infrastructure

The cost savings from the solar array are estimated to be \$290,000 to \$460,000 annually.

With an expected life of a minimum of 25 years, the city of Edmonton has predicted the system to cover the project costs within a period of 10 to 17 years.

If the city proceeds with Phase 2—with an estimated cost of \$3.4 million—it will expand the production capacity by approximately 1.9 gigawatts, and result in further cost savings of nearly \$185,000 to \$300,000 every year.

ASSOCIATION LINKS

- Alberta Construction Safety Association (ACSA)
 - www.acsa-safety.org
- BuildingSMART Alliance (North American Chapter of BuildingSMART): www.buildingsmartalliance.com
- BuildingSMART International (formerly IAI) 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

- 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

www.omniclass.org

- Uniformat www.csinet.org/uniformat
- Institute for BIM in Canada (IBM) www.ibc-bim.ca

 Ace BIM www.acebim.ca

ASSOCIATION LIAISONS

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

Alberta Painting Contractors Association (APCA)

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

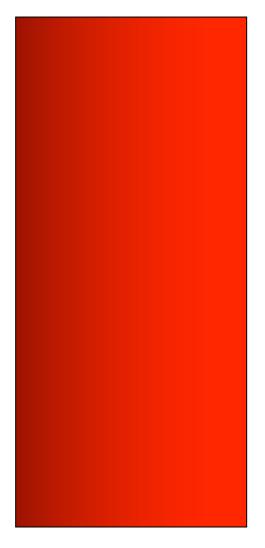
Consulting Engineers of Alberta (CEA) http://www.cea.ca/ info@cea.ca

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

Terrazzo, Tile & Marble Association of Canada (TTMAC)

http://www.ttmac.com/ association@ttmac.com





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:

Chapter Liaison Sustainability

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

The Executive

Director / Newsletter Editor



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Officer Sustainability



Position Open

Officer Marketing



Position Open

Officer Trade Contractor



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