



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.

February 2021 Edition

Editor: Tracey Stawnichy



### In This Edition...

Executive List .....	2
Chair's Message .....	3
Membership.....	3-4
Education.....	4-5
Canada's First Ever Tsunami Tower Planned for Haida Gwaii .....	6-7
Kyoto University Develops World's First Wooden Satellite .....	8-9
Dust, Debris Can Be Deadly .....	9-10
Work on Europe's Longest Cycling Bridge Kicks Off in The Netherlands .....	10-12
The Psychology of Casinos in Las Vegas: Spaces Designed to Make You Gamble More and Win Less .....	12-13
UN Warns of Global Threat Posed by Ageing Dams .....	13-14
Association Links and Liaisons.....	14-15
The Bulletin Board .....	16
The Executive .....	17



**Wednesday, February 10, 2021**

## **Introduction to Area Separation Firewalls**

**12 Noon, February 10, 2021**

**By: Mitchell Schittler, LEED AP®, BD+C,  
WELL® AP, ROM CERTAINTTEED**

Discussion of their primary functions, different options to achieve NBC Code requirements and achieve your project's fire and acoustical needs. Introduction to Area Separation Firewalls will provide an overview of the construction of gypsum firewalls and how these systems can help meet your design and project needs, while still meeting NBC Code requirements.

Visit our website for more information!  
<http://edmonton-csc.dcc.ca>

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**FOR FURTHER INFORMATION**

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

**GOALS OF CSC**

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

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

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

**OBJECTIVES OF CSC**

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

To publish literature pertaining to the construction industry.

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

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

## Announcements:

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## Chair's Message

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

Hello Chapter Members,

The theme of this message is **CHANGE**. We are about to go through one of the biggest changes we have done in a while, a change to get back to normality.

We have been operating under the guidance of government restrictions, but that is starting to change in a positive way as well. Change can be hard, but small changes help bigger ones.

You will start to see some changes here as well. We will begin to add new content and evolve the look of The Specifier. There will also be some changes to the look of the Executive.

Together we can bring a fresh new look and energy to the Edmonton Chapter. We must be the change we want to see in order to see the change that we want to be."

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## Membership in CSC

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**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 our new 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. Derek Ward

Business Development / PM  
Donalco Western Inc.  
8804 – 53 Avenue, Edmonton, AB T6E 5G2  
Tel: (780) 448-1660 Fax: (780) 448-0102  
Email: [dward@donalcowestern.com](mailto:dward@donalcowestern.com)  
Website: [www.donalcowestern.com](http://www.donalcowestern.com)  
Member Sponsor: Mr. Keith Robinson, FCSC, RSW

#### Mr. Trevor Vermeulen

Technical Sales Representative  
MAPEI Inc.  
628 Wotherspoon Close, Edmonton, AB T6M 2K2  
Tel: (587) 338-3600 Fax: N/A  
Email: [tvermeulen@mapei.com](mailto:tvermeulen@mapei.com)  
Website: [www.mapei.com](http://www.mapei.com)

#### Ms. Karamjit Grewal

Specification Writer  
Manasc Isaac Architects  
10225 – 100 Avenue, Edmonton, AB T5J 0A1  
Tel: (780) 429-3977 Ext 130 Fax: N/A  
Email: [kgrewal@manascisaac.com](mailto:kgrewal@manascisaac.com)  
Website: [www.manascisaac.com](http://www.manascisaac.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](mailto:mewaskiw@stonhard.com)

## EDUCATION COURSES

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### 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)

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### Social Media:

#### Check us out:





EDMONTON

# UPCOMING EVENTS

10  
FEB

12 Noon

## Introduction to Area Separation Firewall

Introduction to Area Separation Firewalls will discuss their primary functions, different options to achieve NBC code requirements, and achieve your projects fire and acoustical needs. Introduction to Area Separation Firewalls will provide an overview of the construction of Gypsum Firewalls and how these systems can help meet your design and project needs, while still meeting NBC code requirements.



MITCHELL SCHITTLER, LEED AP® BD+C, WELL® AP, ROM CERTAINTÉED

## Designing for Hot Dip Galvanizing

Hot-dip galvanizing provides a high-quality, long-term corrosion protection to steel in two ways. First as a physical barrier to corrosion and second by means of cathodic or sacrificial protection that is unique to zinc. Though corrosion resistance is inherent any time galvanizing is used, more specifiers select hot-dip galvanizing for other reasons including lowest initial life-cycle cost, durability, longevity, versatility, sustainability and aesthetics. In addition to learning the benefits of utilizing hot-dip galvanized steel, we will also examine ASTM specifications, design best practices, inspection and preparing the galvanized surface for painting or powder coating

16  
MAR

12 Noon

DARCY PRETULA, P.ENG FROM DAAM GALVANIZING

APR

## Scavenger Hunt Challenge

Scavenger hunt challenge between Edmonton and Calgary. All proceeds going to the chapter's charity

MAY

## Annual General Meeting

JUN

## Golf at Strugeon Country Golf and Country Club

Visit our Website for more information

<http://edmonton-csc.dcc.ca/>

## Articles of Interest

### Canada's First-Ever Tsunami Tower Planned for Haida Gwaii

Sourced from: <https://canada.constructconnect.com> / DCN-JOC News Services



PROVINCE OF BC – A tsunami evacuation tower is being built on school property in BC's remote Haida Gwaii region. It will be the first tower of its kind in Canada.

Canada's first-ever tsunami evacuation tower is being constructed in BC.

The facility is being built at Gudangaay Tlaat'sa Naay (GTN) Secondary school in Masset, a remote, coastal community in the Haida Gwaii archipelago. The new tower will be a 10-metre-tall steel structure built on school property that includes storage for emergency supplies. The school's current evacuation safe zone is more than 10 kilometres away from the school.

"Every family deserves to know their children will be safe at school, especially in coastal, remote communities like Masset," said Jennifer Whiteside, minister of education, in a statement. "Our government's Seismic Mitigation Program is investing in schools and communities throughout our province, and I can't wait to see this one-of-a-kind project completed to protect the health and safety of the school community."

The project is being mostly funded by the province, which will contribute \$16.5 million for the tower and seismic upgrades to GTN. The Haida Gwaii Board of Education is providing \$250,000. Once complete, the school will be house both GTN and Tahaygen Elementary students as a single-site K-12 facility.

Construction will also entail improvements to facilitate the wide range of student age groups, including a new main entrance, special education room and the creation of a secondary Xaad Kil Haida language learning space.

Construction on GTN and the tsunami evacuation tower is expected to start next summer and wrap up in fall 2022.

"We are so thrilled to be moving forward with this project as it will embody many things for our students," said Dana Moraes, chair of the Haida Gwaii Board of Education. "Most importantly, a safer learning environment, but also it will provide additional educational opportunities and will house our students in one location, which will offer many remarkable opportunities. School District No. 50 (Haida Gwaii) also recognizes the uniqueness to having the first tsunami evacuation tower in Canada and the additional safety this offers to our students and families. Haawa to everyone for work that has gone into bringing this project to fruition."

## Kyoto University Develops World's First Wooden Satellite in Bid to Reduce Space Waste

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



Researchers from Kyoto University are developing a satellite made from wood that would burn up completely at the end of its life to reduce the amount of human-made waste floating in space.

Set to launch in 2023, the LignoSat satellite will have a shell made of timber, allowing it to burn up completely as it re-enters the earth's atmosphere.

The project is a collaboration with Japanese logging company Sumitomo Forestry and aims

to tackle the growing amount of space hardware that is floating in our planet's orbit despite no longer being functional.

Alongside millions of pieces of debris, this includes more than 34,000 larger units such as discarded rocket stages and 2,550 of earth's 5,850 satellites, which are now defunct.

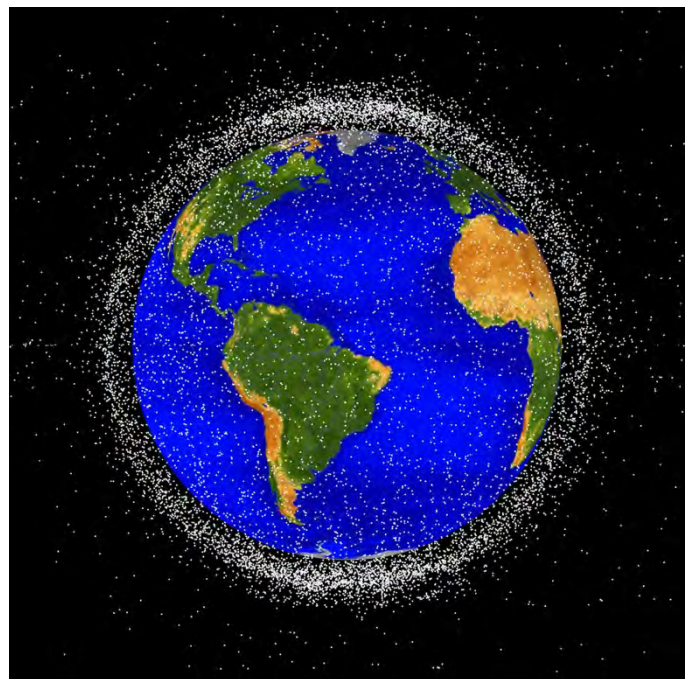
*NASA has created a CGI image to visualize the amount of debris in low Earth orbit*

While they are in still orbit, these are hazards to passing spacecraft and functioning satellites.

According to Takao Doi, the former astronaut who is leading the team at Kyoto University, once the debris re-enters the atmosphere it can release small particles of alumina, also known as aluminium oxide, into the atmosphere as it burns.

"We are very concerned with the fact that all the satellites which re-enter the Earth's atmosphere burn and create tiny alumina particles which will float in the upper atmosphere for many years," Doi told the BBC. "Eventually it will affect the environment of the Earth."

Although more data needs to be gathered, researchers believe that a buildup of these particles could deplete the ozone layer surrounding our planet, which reflects ultraviolet rays away from the earth.



By making LignoSat out of wood, Sumitomo Forestry argues that the satellite would burn up



completely without releasing harmful substances, making for a "cleaner and environmentally friendly" alternative.

### **LignoSat to be launched by 2023**

Doi's team is researching how wood can be treated to withstand temperature changes, radiation and sunlight, as well as testing it in extreme environments on earth.

From there, the researchers will develop an engineering model of the satellite and finally a functioning flight model, which they are aiming to launch in 2023.

Unlike the aluminium shell of standard satellites, Sumitomo Forestry claims that a wooden version would not block out electronic waves or the Earth's magnetic field, meaning that any antennas or other devices could be stored inside of the LignoSat rather than on its exterior.

This would allow the satellite's design to be pared back to a simple box without extraneous details that might break off and further add to what NASA has labelled the "orbital space junkyard".

The LignoSat team did not share any information about how it plans to deal with the technical equipment contained in the wooden satellite once the exterior has been burned away.

The collaboration between Sumitomo Forestry and Kyoto University will also include wider research on the applications of wood as a renewable resource in space, for example to create entire habitable structures.

According to the company, the aim is to then feed this insight back into creating "ultra-strong, weather-resistant wooden buildings" on Earth.

### **Architects racing to prove large-scale viability of timber**

Over recent years, architects have increasingly been exploring timber as a sustainable building material, as it has a significantly lower embodied carbon footprint than concrete or steel and actually captures CO<sub>2</sub> from the atmosphere as it grows.

As a result, practitioners are racing to build ever-taller wooden towers, to prove that the material is viable even in large-scale applications and urban environments.

Last year, Voll Arkitekter completed the world's tallest timber building, standing at 85.4 metres high in the Norwegian city of Brumunddal, while Urban Agency plans to extend a mill building in Ireland to create one of the tallest timber buildings in Europe.

In recognition of the material's environmental credentials, the French government ruled earlier this year that by 2022 all its new public buildings must be built with 50% wood.

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## **Dust, Debris Can Be Deadly: Study Finds Healthcare Construction Training Lacking**

Sourced from: <https://www.constructiondive.com> / Kim Slowey

Renovation projects in or near hospitals require contractors to work by a specific set of protocols in order to protect the health of patients, many of whom are extremely vulnerable to infection. According to recent research, though, some construction companies that take on these types of projects are not providing adequate training to their workers and subcontractors on how to avoid creating the jobsite conditions that could have a negative impact on patients.

The dust and debris created by both renovation activities and by nearby construction can carry contaminants into patient areas, promoting the growth of pathogenic fungi. Spurred by previous

studies that indicated patients were becoming ill and even dying as the end result of dust generated by construction activity, researchers from Washington State University and Clemson University surveyed what they say are the top healthcare contractors in the United States to find out the details on their training programs.

The survey's 129 participants – managers and field supervisors – were gleaned from eight firms from Building Design+Construction's 2017 list of the top healthcare contractors in the United States. That year, those companies completed 25% of all U.S. healthcare projects.

Only 52% of those surveyed said that owners of healthcare projects always or often required construction teams to receive training about how to perform work safely in or near occupied healthcare facilities, but 77% said that such training was typically required at the start of projects.

However, those programs targeted upper management and not construction workers or subcontractors, leaving those most likely to be in a position to control patients' exposure to contaminants with the least training. In fact, subcontractor workers and supervisors, along with contractors' employees, usually received only one to two hours of training.

The obvious takeaway from the study is that more construction companies need to make sure their superintendents, workers and subcontractors working in or near hospitals and other healthcare projects are aware of the dangers they can pose to patients. Although researchers did not mention the COVID-19 pandemic, one can reasonably assume that airborne contaminants could create a great risk for those with the severe respiratory symptoms that are commonly associated with the disease.

The University of Virginia Health System, as one of several healthcare providers, has outlined infection control policies and procedures for contractors in an effort to minimize the impact of construction projects on the health of its patients. The system requires training and also sets some guidelines for contractors and their workers to follow during construction, which vary depending on the risk level of patients. The guidelines are as follows.

- Use negative pressure systems monitored with a continuous-read negative air pressure monitor, smoke test with daily log, or hand-held manometer with daily log.
- Wait for patients to be removed before work begins in certain areas.
- Replace displaced ceiling fans.
- Cleanup after work is complete by either wiping down the area or by using a HEPA (high-efficiency particulate) vacuum.
- Use approved ICRA (Infection Control Risk Assessment) containment barriers.
- Control dust while cutting using water mist, a HEPA vacuum, or other effective measures.
- Seal unused doors with painter's tape.
- Use dust control mats at all points of access.
- Transport construction waste out of the work area using clean containers with hard covers.
- Isolate the HVAC system in areas where work is going on to prevent contamination of the ducts system.

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## **Work on Europe's Longest Cycling Bridge Kicks Off in the Netherlands**

Sourced From: Sourced from: <https://www.archpaper.com> / Matt Hickman

In the far northeastern reaches of the Netherlands, construction has commenced on what's being touted as the longest bicycle and pedestrian bridge in Europe. At over 2,600 feet long, the bridge will

snatch the title from a 2,480-foot-long bridge in Sölvesborg, Sweden, when work wraps up in the Groningen province at the end of this year.



When complete, an impressive new wooden bridge for bikes and pedestrians in the Dutch province of Groningen will stretch over 2,600 feet. (Nol Molenaar, NOL Adviesbureau/Courtesy Provincie Groningen)

Dubbed Blauwe Loper, or Blue Carpet, the wooden structure with a 2.5% gradient will technically be a series of four interconnected bridges spanning a large lake, a canal, a nature reserve, and a busy highway. The section over the canal will be moveable. And, as DutchNews.nl reports, there are plans to stretch the bridge even further – up to over 3,000 feet – in the future.

With a price tag topping \$7 million dollars, this ambitious work of car-eschewing infrastructure will connect the city of Winschoten with Blauwestad, a bucolic residential development-turned-lakeside recreational area, in its initial phase.

The two areas are a “stone’s throw from each other, but there is now no direct connection between the two for pedestrians and cyclists,” reads a special section dedicated to the bridge on a promotional website for Blauwestad. “Functioning like a vast boardwalk,” the Blue Carpet will link the two locales and serve as a “sustainable icon” for the region.

As the Guardian reports, one of the top design considerations for the bridge was bat-friendliness, very much a priority in the realm of Dutch bike and ped bridge construction. Blue Carpet will be painted “bat-friendly” green and outfitted with solar-powered LEDs as a method of helping bat colonies navigate from Oldambtmeer lake to a nearby public park.

Blue Carpet’s builders claim that the bridge, built from resilient imported African hardwood, will last at least 80 years.

“This bridge is not going to rot,” the Guardian quoted project leader Reinder Lanting as telling local daily newspaper Dagblad van het Noorden. “That is because it is technically well designed. The wood is not pressed together but has a sort of venting system.”

The bridge was designed by NOL, a local multidisciplinary civil engineering and design firm.

Matters of length aside (China still rules in that department), the bike-loving Netherlands is home to a large number of notable bridges reserved for bike and foot traffic. They include and certainly aren't limited to, Nescio Bridge, a curvy, single-cable steel suspension bridge in Amsterdam designed by Wilkinson Eyre Architects and engineered by ARUP: Grontmij, a modest bike bridge in the village of Gemert that, in a world-first, harnesses 3D printing technology: Eindhoven's Hovenring, a first-of-its-kind suspended bike roundabout that's technically a circular cable-stayed bridge, and a span in Utrecht that's incorporated into the rooftop garden of a Montessori school.

## The Psychology of Casinos in Las Vegas: Spaces Designed to Make You Gamble More and Win Less

Sourced From: <https://www.archdaily.com> / Kaley Overstreet

In every casino, there's much more than meets the eye. Although guests are typically only aware of what's happening on a surface level, a casino's ability to create a false sense of reality extends beyond the programming of slot machines and betting against the odds at the tables. It reaches far into every corner of the room and is designed in such a way, that their intentionality behind every flashing light, "cha-ching!" jackpot noise, smoky bar, and endless maze of slot machines all come together to place a bet against human psychology. They say there's a reason why the house always wins, but what is it about the design of these spaces and the allure of the gambling table that makes visitors always come back for more?



Casino design has a long history of controversy when it comes to creating the most effective spaces to entrap guests and keep them spending. The original school of thought behind casino design was developed by Bill Friedman, a professor of casino management at University of Nevada Las Vegas, and author of *Designing Casinos to Dominate the Competition*. Friedman claims that the sole factor in casino design comes from understanding what percentage of visitors come to gamble, and how many of those return. The games themselves are the same everywhere, so the architecture of gaming is the differentiating factor of what brings guests back for more. He says that although the flashy exteriors of the Vegas Strip promote hotels in a variety of themes, casinos themselves should follow a set of design rules based on his observations. In his writings, Friedman evaluated successful elements in casinos as ones that enhance the overall experience, help make the most money, and attract gamblers outside of their own resort guests. If you've ever been to a casino where there are slot machines right as you've entered the hotel, gambling equipment featured as the main decor, winding and often confusing pathways through the space, and low ceilings, then you've seen his gaming designs in action.

However, in the last thirty years, casino design has favored Las Vegas-native Roger Thomas' strategy which almost rebukes Friedman's theories. For the design of one of Las Vegas' most well-known casinos, the Bellagio, Thomas partnered with Steve Wynn, took a risk against Friedman's

older ways of thinking, and bet on a more “evoca-ecture” design palette that would stimulate the senses to the extreme. Often referred to as the “Playground Design” style of casinos for their ability to always ensure guests are having fun, these casinos provide ample light, excellent wayfinding, high ceilings, glamorous lobby spaces with sculptures, and maximize comfortability. Instead of entrapping guests in a web of buzzing slot machines, they provide clear sightlines to where gamblers want to head next. The designs also speak to guests who might not typically gamble, as their luxurious decor acts as a type of anesthesia to numb guests of their significant losses.

With his new design theory, Thomas’ gamble paid off, as the Bellagio generated the largest profits for a Las Vegas property in history. Ultimately, what was discovered was that guests were able to enter a greater sense of mental restoration and relaxation in these areas, leading them to place larger and riskier bets. These spaces became refuge, and their overall designs manifested a much stronger desire to gamble.

So the next time you enter a casino, keep in mind that someone has carefully crafted this space to allow you to actually enjoy risky spending, and is encouraging you to bet even more. If you’re having fun, and the casino is making money, then it’s a win-win.

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## UN Warns of Global Threat Posed by Ageing Dams

Sourced From: <https://www.globalconstructionreview.com> / GCR Staff



A report by the United Nations has warned of the growing threat posed by ageing dams to populations living downstream from them.

It says that most of the world's 58,700 large dams were constructed during the "dam revolution" that took place between 1930 and 1970 and have a design life of 50 to 100 years.

By 2050, most people on Earth will live downstream from one of these dams.

Roughly half of all rivers are affected by one or more dams, and the volume of water stored behind large dams is estimated to be enough to cover 80% of Canada's landmass in a metre of water.

"These aged structures incur rapidly rising maintenance needs and costs while simultaneously declining their effectiveness and posing potential threats to human safety and the environment," the report says.

Dam failures can threaten very large numbers of people. Heavy rainfall in southern Africa triggered fears of a catastrophic water release from the Kariba dam on the Zambesi (pictured), raising the prospect of the emergency evacuation of 50,000 people.

Dam failures affecting densely populated Chinese and Indian river valleys would run into the millions.

Countries faced with large, ageing dams have to choose between upgrading or decommissioning them, with removing the dam being the cheaper option by "an order of magnitude". However, the report notes that many countries have not begun to address the issue.

The report also notes that relatively few large dams have been decommissioned to date, so there is not a good understanding of the engineering and social problems that need to be overcome.

The issue of lots of dams all passing their design life at the same time is being exacerbated by global warming, which can accelerate a dam's ageing process. For example, increased rainfall can cause upstream erosion and increase the amount of debris and silt flowing into dams, causing faster sedimentation that was originally expected.

Good maintenance can extend the life of a well-built dam for 100 years without problem, but many of today's large dams were built before the risk of the climate change were understood.

The issue is a particularly pressing for four Asian countries, which together have 55% of the world's large dams. These are China – which 23,841 large dams, 40% of the global total – as well as India, Japan and South Korea. Most these countries' dams will cross the 50-year threshold relatively soon.

The report titled Ageing Water Infrastructure: An Emerging Global Risk (<https://inweh.unu.edu/ageing-water-storage-infrastructure-an-emerging-global-risk/>) was produced by the UN's Canada-based Institute for Water, Environment, and Health.

## ASSOCIATION LINKS

- **Alberta Construction Safety Association (ACSA)**  
[www.acsa-safety.org](http://www.acsa-safety.org)
- **BuildingSMART Alliance** (North American Chapter of BuildingSMART):  
[www.buildingsmartalliance.com](http://www.buildingsmartalliance.com)
- **BuildingSMART International (formerly IAI)**  
[www.buildingsmart.com](http://www.buildingsmart.com)
- **Biomimicry Guild**  
[www.biomimicryguild.com](http://www.biomimicryguild.com)
- **Canadian Green Building Council (CaGBC)**  
[www.cagbc.org](http://www.cagbc.org)
- **CCDC Documents**  
[www.ccdc.org/home.html](http://www.ccdc.org/home.html)
- **Construction Specifications Institute (CSI)**  
[www.csinet.org](http://www.csinet.org)
- **Architecture 2030**  
[www.architecture2030.org](http://www.architecture2030.org)
- **Building Information Modeling (BIM) Forum**  
[www.insightinfo.com/bimforum](http://www.insightinfo.com/bimforum)
- **Biomimicry Institute**  
[www.biomimicryinstitute.org](http://www.biomimicryinstitute.org)
- **Canada BIM Council**  
[www.canbim.com](http://www.canbim.com)
- **Canadian Green Building Council (CaGBC) – Alberta Chapter:** [www.cagbc/chapters/alberta](http://www.cagbc/chapters/alberta)
- **Construction Specifications Canada (CSC)**  
[www.csc-dcc.ca](http://www.csc-dcc.ca)
- **buildingSMART Data Dictionary**  
[bsdd.buildingsmart.org](http://bsdd.buildingsmart.org)

- **International Construction Information Society (ICIS)** [www.icis.org](http://www.icis.org)
- **OmniClass**  
[www.omniclass.ca](http://www.omniclass.ca)  
[www.omniclass.org](http://www.omniclass.org)
- **Uniformat**  
[www.csinet.org/uniformat](http://www.csinet.org/uniformat)
- **Institute for BIM in Canada (IBM)**  
[www.ibt-bim.ca](http://www.ibt-bim.ca)
- **MasterFormat**  
(<https://secure.spex.ca/siteadmin/freedocuments/images/1.pdf>)
- **buildingSMART Canada**  
[www.buildingsmartcanada.ca](http://www.buildingsmartcanada.ca)
- **Ace BIM**  
[www.acebim.ca](http://www.acebim.ca)

## ASSOCIATION LIAISONS

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

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

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

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

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

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

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

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

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

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

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

Building Owners and Managers Association (BOMA)  
<http://www.bomaedmonton.org/> / [edmonton@boma.ca](mailto:edmonton@boma.ca)  
Consulting Engineers of Alberta (CEA)  
<http://www.cea.ca/> [info@cea.ca](mailto:info@cea.ca)

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)



**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

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Message from the Executive:

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

Open Positions Include:

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...

### **\*\*Important Update \*\***

**Alberta Infrastructure launched the new Vendor Performance Management (VPM) Program on January 6, 2020. This program supports quality infrastructure projects delivered on time, on budget, and within scope.**

To continue providing awareness, updates and information on the VPM Program, Alberta Infrastructure is hosting a series of information sessions with online participation in partnership with Alberta Construction Association, Consulting Architects of Alberta, Alberta Association of Architects, and Consulting Engineers of Alberta.

The sessions will focus on the following:



















- VPM Program Updates
- VPM Program Overview
- Frequently Asked Questions
- VPM Continuous Improvement

The sessions will take place in November and December. To register, visit Infrastructure's Vendor Performance management Program website. (<https://www.alberta.ca/vendor-performance-management-program.aspx> )

For event inquiries, please email [infras.vendorperformance@gov.ab.ca](mailto:infras.vendorperformance@gov.ab.ca).



The Executive

<p><b>Director / Newsletter Editor</b></p>  <p>Tracey Stawnichy, LEED AP, CSC Construction Administrator ACI Architects Inc. P: 780-994-3699 <a href="mailto:tstawnichy@aci-arch.com">tstawnichy@aci-arch.com</a></p>	<p><b>Chair</b></p>  <p>Andrew Brassington, CTR Western Canada Sales Rep ROCKWOOL P: 587-341-5268 <a href="mailto:Andrew.brassington@rockwool.com">Andrew.brassington@rockwool.com</a></p>	<p><b>Vice-Chair</b></p>  <p>Dylan Leclair, CTR IKO Commercial P: 587-335-9552 <a href="mailto:Dylan.leclair@iko.com">Dylan.leclair@iko.com</a></p>	<p><b>Treasurer</b></p>  <p>Catherine Osborne Administrator ACI Architects Inc. P: 780-486-6400 <a href="mailto:cboyd@aci-arch.com">cboyd@aci-arch.com</a></p>
<p><b>Secretary</b></p>  <p>Jessica Prosser Business Development / Sales DAAM Galvanizing - Edmonton P: 587-340-7169 <a href="mailto:jessica@daamgalv.com">jessica@daamgalv.com</a></p>	<p><b>Officer Architect</b></p>  <p>Kevin Osborne, CET, CSC Associate / Architectural Technologist ACI Architects Inc. P: 780-486-6400 <a href="mailto:kosborne@aci-arch.com">kosborne@aci-arch.com</a></p>	<p><b>Officer Specifications &amp; Website Development</b></p>  <p>David Watson FCSC, CET President NBS (Canada) (formerly Digicon) P: 780-758-4147 <a href="mailto:David.Watson@theNBS.com">David.Watson@theNBS.com</a></p>	<p><b>Officer Professional Development</b></p>  <p>Mike Ewaskiw, CTR Architectural &amp; Engineering Services Manager Stonhard / Fibergrate P: 780-237-7844 <a href="mailto:MEwaskiw@stonhard.com">MEwaskiw@stonhard.com</a></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 Contractor</b></p>  <p>Renee McKenzie, Project Manager Jen-Col Construction P: 780-717-7798 <a href="mailto:rmckenzie@jen-col.com">rmckenzie@jen-col.com</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 Technical Program</b></p>  <p>Kyla Keller Architectural Technologist / PM Planworks Architecture Inc. P 780-643-3233 x 63 <a href="mailto:KKeller@pwarch.ca">KKeller@pwarch.ca</a></p>	<p><b>Officer Technical Program</b></p>  <p>Jessica Prosser Business Development / Sales DAAM Galvanizing - Edmonton P 587-340-7169 <a href="mailto:jessica@daamgalv.com">jessica@daamgalv.com</a></p>	<p><b>Officer Membership</b></p>  <p>Joseph Trivellin, CTR Technical Sales Rep, Edm Adex Systems P: 587-785-6484 <a href="mailto:Joseph.trivellin@adex.ca">Joseph.trivellin@adex.ca</a></p>	<p><b>Officer at Large</b></p>  <p>David Lawrence Retired P: 780-901-7260 <a href="mailto:davidlawrence@interbaun.com">davidlawrence@interbaun.com</a></p>
<p><b>Officer Sustainability</b></p>  <p>Darlene Helfrich, CTR, IDT CertainTeed Ceilings P: 587-930-3432 <a href="mailto:darlene.helfrich@saint-gobain.com">darlene.helfrich@saint-gobain.com</a></p>	<p><b>Officer Marketing</b></p>  <p>Position Open</p>	<p><b>Officer Trade Contractor</b></p>  <p>Skip Helfrich CoGenesis Corp. P: 780-777-5408 <a href="mailto:skip@cogenesis.ca">skip@cogenesis.ca</a></p>	<p><b>Officer – Owner's Rep</b></p>  <p>Cam Munro, CTR Alberta Infrastructure P: 780-231-1739 <a href="mailto:Cam.munro@gov.ab.ca">Cam.munro@gov.ab.ca</a></p>