The CISC’s Annual Report provides an overview of the Canadian Institute of Steel Construction’s (CISC) activities throughout the 2018-2019 year. We aim to provide a comprehensive summary of the progress we have made towards the achievement of the CISC’s strategic plan.

During this past year, we’ve seen tremendous growth in our steel communities, as well as within our organization. Together, we have taken action and overcome the challenges plaguing our steel industry; we have further strengthened the future of steel through education and research; and we have continued our mandate to maintain steel’s competitiveness in the market—all while celebrating the benefits of structural steel across the country.

We are proud to be working alongside such a dedicated and passionate group of steel fabricators, erectors, engineers, architects, builders, suppliers, producers, service centres, consultants, detailers, professors and students. It has been a pleasure to accomplish each of the goals we have set out together while we serve a unified purpose: promoting a healthy and viable steel industry in Canada.

From everyone at the CISC, thank you for an amazing year! Congratulations on all that we have been able to achieve together so far—we’re looking forward to the year ahead of us.
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As we conclude a turbulent 12 months in the steel construction industry, the CISC has weathered the storm very well indeed. From Section 232 tariff action, the signing of the United States-Mexico-Canada Agreement (USMCA), further fabricated industrial steel components (FISC) trade case challenges, oil patch difficulties, anti-dumping investigations, etc., the CISC team was able to navigate each issue deftly. At the start of my term, I spoke of the need to work as a team to accomplish the strategic mandate of the CISC. I can confidently say that teamwork has paid off. Is there room for further improvement or progress—absolutely! From late spring and throughout the summer we are working on another 5-year strategic plan. Stay tuned.

Prompt payment is cascading across the country – teamwork brought that result to fruition! We worked with the federal government on the tariff issue. To date, we have successfully defended the legal challenges of the FISC case – the first trade case of its kind. The energy market difficulties continue with lower activity, but success is contingent on many moving parts – most of which is outside of the control of the CISC. However, we won’t stop working in that arena by any means. Anti-dumping investigations have begun recently on fabricators, but again the CISC team weighed in to help.

The CISC can offer solutions to environmental concerns which are front and center in many conversations in political circles as they attempt to find “magic bullets” to reduce emissions.

Look at Advantage Steel magazine no. 64, Summer 2019 edition, for illustrations of what steel can do: optically pleasing designs that enhance building and construction, as well as solutions to problems that was once thought impossible. Read the articles on the education and research side to get a glimpse of what the future offers for our youth and the future of our industry.

As everyone is occupied within their own businesses creating success, it’s easy to miss what we are doing together and what we have done. Talk to the CISC team to see what else is forthcoming – revamped website; strong participation in social media promoting what members do and can do; publications and courses; and on and on.

As the term of my chairmanship concludes, I would like to express my sincerest thanks to the CISC executive and staff for all their help. They have been a valued resource. Thank you to the Board of Directors, it has been a pleasure to have worked side by side with each of you. Thank you to all the CISC Members & Associates for your friendship and comradery. All this has made the journey most enjoyable.
With the entire world in turmoil over the past year, the steel industry in Canada seemed right in the heart of the action. Steel was a household word. We definitely had exposure. You name it and our industry saw it this past year: steel tariffs wars, NAFTA, price fluctuations, remissions, and U.S. anti-dumping and subsidy allegations against Canadian fabricators. It seemed that we had an ever present storm cloud above our heads. Add to that the Canadian government bowing to Chinese pressure allowing them to continue to dump and subsidize industrial fabricated steel into Canada, it seemed like the world and our governments are going mad.

However, with all the craziness there were some real positives. The CISC, through its advocacy work and through other organizations, have moved the needle with prompt payment legislation across Canada. What appeared to be an impossible task only several years ago is now being adopted by governments across the country. Finally, 10 years of work is beginning to pay off. This is a great example of what an association can do for you. No single company could have achieved this alone.

What this past year has clarified and validated is the Canadian steel construction industry needs to stand together even more than ever to present a stronger voice to governments. We could not have had the successes that we did in the last year without your collective voice, however that voice and advocacy work needs to be dramatically increased.

Over the past six months, the CISC initiated a review of its strategic direction. With input from across Canada, you have expressed the need for CISC’s focus to strengthen the following four core strategic areas: advocacy, technical engineering (standards, publications, training, education and research), promotion of steel construction and CISC Certification.

In the coming months, the CISC will be determining on how to best achieve these goals. Together as an organization, we are evolving to meet the needs of our industry. As the world changes around us, the CISC and its members will be leading that change.

Message from
THE PRESIDENT

EDWARD WHALEN, P.ENG.

As the world changes around us, the CISC and its members will be leading that change.
PROGRESS TO DATE

In the past year, the CISC has been working towards accomplishing the goals outlined in the strategic plan, with an emphasis on creating solutions to resolve industry challenges, developing new and innovative technical resources, elevating the promotion of steel use, and ensuring quality building practices nationwide. In order to achieve these goals, the CISC has engaged in various initiatives and industry activities at both the regional and national level that has allowed us to progress in each area of focus.

ORGANIZATIONAL GROWTH

With a thorough understanding that our success is the success of the Canadian steel industry and those who are employed by it, we remain the industry’s premier thought leader and trusted advisor. In the 2018-2019 year, we focused on ensuring our strategic direction continues to match the needs of the steel industry so that we can provide the best resources for our membership.

INTERNAL PROCESS

Through ongoing developments to improve communications, continued analysis of efficiency and productivity from within the organization, and effective expense reporting, we are able to support our overall strategy to remain the premier steel association in Canada and the voice for the steel construction industry.

STAKEHOLDERS

Our progressive resolutions to steel industry challenges, consistent developments in technical solutions, fixed presence in industry discussions, and steady growth in steel industry education and research has not only solidified the success of the 2018-2019 year but has better positioned the CISC as the leader in the steel industry.

FINANCIAL

We maintain a steady growth in attendance for original CISC online training courses, a stable performance in certification and accreditation submissions, and excellent strides in course development. All of which allows us to further develop and maintain a strong steel construction industry.
STAKEHOLDERS

Our progressive resolutions to steel industry challenges, consistent developments in technical solutions, fixed presence in industry discussions, and steady growth in steel industry education and research has not only solidified the success of the 2018-2019 year but has better positioned the CISC as the leader in the steel industry.

- The CISC continued to educate, promote and advocate prompt payment legislation at the provincial and federal level. As a result, in April 2019, the Nova Scotia government enacted Bill 119, the Builders’ Lien Act (Amended), which included prompt payment legislation and adjudication. Shortly after, Saskatchewan became the third province in Canada to implement prompt payment practices. Bill 152, the Builders’ Lien (Prompt Payment) Amendment Act received royal assent in May 2019. In addition, British Columbia announced their commitment to prompt payment with the introduction of Bill M-223, the Prompt Payment (Builders’ Lien) Act in May 2019.

- With the unwavering support of the CISC for the past decade, Bill C-97 was granted royal assent in June 2019, a bill that established Canada’s first federal prompt payment legislation. With this, the Canadian construction supply chain can expect to be paid on time for all government projects going forward—a significant improvement from payments being delayed over 70 days!

- Provided industry support upon the announcement of the American Institute of Steel Construction’s (AISC) trade case on imports of fabricated structural steel from Canada, Mexico and China into the United States. While this case is on-going, the CISC continues to provide support to Canadian steel companies, while advocating the importance of maintaining fair trade between Canada and the United States.

- Promoted and advocated the importance of creating opportunities and protecting Canadian steel jobs across the country, including the development of Canada’s Trans Mountain Pipeline Expansion project and opposing LNG Canada’s proposal to use illegal foreign steel.

- Successfully defended scope appeals from LNG companies challenging the duties resulting from Canada’s anti-dumping fabricated industrial steel components (FISC) trade case in 2017. Because of our relentless efforts, we continue to keep illegal structural steel out of Canadian markets and promote fair trade.

- Advocated for the immediate removal of U.S. Section 232 steel tariffs. With the CISC’s on-going support and lobbying, the steel tariffs were lifted from Canadian steel in May 2017, removing the threat of contractual risk and uncertainty that Canadian steel companies were facing.

- Provided support to the federal government regarding retaliatory tariffs and countermeasures in response to the U.S. Section 232 tariffs. The CISC presented direct industry insight and recommendations to ensure the needs of the downstream steel industries would not be negatively impacted.
Urged politicians to address the political platforms affecting the steel construction industry at the CISC’s annual Day on the Hill in Ottawa, ON. With the strong support of a national delegation made up of CISC Members & Associates, we continue to act as Canada’s voice for the steel construction industry.

Advocated the needs of the steel industry based on the challenges the people of Manitoba face at the 2018 Day at the Legislature. As a result, prompt payment legislation, as well as building safety and quality assurances remains on the agenda for provincial government officials.

Successfully showcased the versatility, performance and sustainability of steel across the country at SteelDay 2018, welcoming over 1000 attendees at 14 host locations throughout Canada.

Contributed to 20 different code writing committees to ensure the protection of the steel industry by preserving and implementing the right codes and standards.

Challenged 18 university teams from around the world at the 4th annual CSCE-CISC Canadian National Steel Bridge Competition, hosted by École Polytechnique de Montréal in Montreal, QC. The highly anticipated event pushed the boundaries of innovative thinking, while exposing hundreds of students to the benefits of steel in design and construction.

Hosted the 2018 Canadian Steel Conference in Montreal, QC, gathering the industry’s leading experts and professionals from across Canada to educate, as well as promote advancements in the steel industry.

Enhanced the CISC brand image and promoted steel use by exhibiting, as well as presenting, at various construction industry trade shows and events across Canada.

Launched the first-ever Structural Steel Fabricators Fitters course in Manitoba, providing certification for those who wish to advance in their steel career. This milestone course will help to ensure steel companies across Canada will experience greater efficiencies and less loss in shops, while maximizing production, quality and safety.

Hosted Canada’s most prestigious Steel Design Awards in Quebec, Manitoba and Alberta, celebrating steel and recognizing local steel industry innovators. These industry leading events provide CISC Members & Associates the opportunity to showcase their projects and network with leading professionals and experts within the steel industry.
FINANCIAL

We maintain a steady growth in attendance for original CISC online training courses, a stable performance in certification and accreditation submissions, and excellent strides in course development. All of which allows us to further develop and maintain a strong steel construction industry.

- Introduced two new live webinar courses in an updated format to better suit the needs of the user, presenting high-quality information by industry innovators on topics of interest.
- Maintained and updated the CISC's e-commerce system for online publications to provide an accessible, efficient and secure way to access technical resources. Our Amazon storefront continues to create a seamless and positive experience for its users.
- Welcomed new Quality Certified fabricators to the CISC community, ensuring Canadian steel fabricators adhere to national and international standards of quality and safety.
- Launched new CISC National Supplier Associate category for supplier companies with multiple offices. This new category provides the ability to bring all company offices into the CISC family in order to take advantage of the special promotions and options in this category.

INTERNAL PROCESSES

Through ongoing developments to improve communications, continued analysis of efficiency and productivity from within the organization, and effective expense reporting, we are able to support our overall strategy to remain the premier steel association in Canada and the voice for the steel construction industry.

- Awarded $140,000 in scholarships and in grants to deserving candidates, including the G.J. Jackson Award and H.A. Krentz Award. In the 2018-2019 year, there were a number of candidates that were also awarded research grants on innovative topics that will help to further develop the future of the Canadian steel industry.
- Re-designed and updated the CISC website to provide the best user-experience and intuitive functionality. With this update, users can better access technical resources, industry news, advocacy updates, and more.
- Updated the CISC’s Canadian Steel Conference website design and transferred the site to a new web server platform, supplying on-demand notices and improving the delivery of event information to occur in a timely and efficient manner.
- Launched CISC’s Steel Design Modules, a series of technical publications that provide advanced design aids on specialized steel applications. In addition, two further installments of the CISC’s Steel Design Series have been published as part of a series of free technical publications that are intended to provide current and practical information on topics of major interest in the steel community. The CISC continues to provide accessible technical information to engineers, architects, designers, educators, fabricators and steel industry stakeholders to ensure a strong and competitive steel market.
ORGANIZATIONAL GROWTH

With a thorough understanding that our success is the success of the Canadian steel industry and those who are employed by it, we remain the industry’s premier thought leader and trusted advisor. In the 2018-2019 year, we focused on ensuring our strategic direction continues to match the needs of the steel industry so that we can provide the best resources for our membership.

- Partnered with a third-party firm to develop a new strategic plan at both the national and regional levels in order to recalibrate the CISC’s unified vision, mission and day-to-day efforts.
- Conducted numerous strategic meetings with the CISC Board of Directors to align the needs of the steel construction industry with the efforts of the CISC.
- Re-focused a strategic plan to market the CISC’s Education & Research initiatives through featured sections in Advantage Steel magazine, a curated video marketing campaign and social media efforts.
- Continued efforts to increase our internal staff’s knowledge and technical skills with industry specific education and training courses. We aim to ensure all CISC personnel have the skill set necessary to optimally perform their role, meeting all applicable industry standards.
- Enhanced the designs of CISC’s email marketing vehicles and implemented a new delivery structure to ensure that news and events are distributed based on relevance and timeliness. We aim to keep CISC’s membership and industry stakeholders aware of industry happenings and connected from coast to coast.

I have found that our CISC membership has provided a means to network with other fabricators, suppliers and consultants across Canada and allowed us to work together on issues such as prompt payment, trade actions, codes, education, etc. The CISC is truly the voice of the steel industry in Canada.

Harrison Wilson, Vice President - Member since 1958
OUR VISION
Canada’s voice for the steel construction industry, providing leadership in sustainable design and construction, efficiency, quality and innovation.

OUR MISSION
The CISC promotes the use and benefits of steel in construction, adds value to the design and construction community and supports the needs of the membership and industry through technical expertise, knowledge transfer, research and development, industry codes and standards, certification, and advocacy.

VISION, MISSION & STRATEGIC PLAN

STRATEGIC PILLARS
The CISC continues to be the voice for Canada’s steel construction industry, inspired by our bold vision and guided by our strategic plan objectives to strengthen the CISC, enhance membership value and increase market share.

There have been several milestone achievements of strategic plan objectives in the past year, and several new initiatives are currently underway.

1. Stakeholders
- Protect and grow market share
- Raise the profile and image of the steel construction industry
- Improve cost, efficiency, productivity and safety of steel construction
- Ensuring the future of the industry
- Membership value
- Sustainability of Steel

2. Financial
- Grow course attendance
- Increase funding for Education & Research activities
- Enhance membership growth
- Growth of products & services

3. Internal Process Improvement
- Improve the messaging
- Processing improvements
- Efficient expense reporting
- Continuous improvement
- Infrastructure improvements

4. Organizational Growth
- Trusted advisor status
- Skills development
About the CISC

Advocate, teacher, promoter. The Canadian Institute of Steel Construction (CISC) is Canada’s voice for the steel construction industry.

The CISC promotes dialogue, collaboration and commerce between industry stakeholders – advancing the benefits of steel to the consulting community, builders and buyers, academia and government. The CISC represents a diverse community of steel manufacturers, fabricators, builders, engineers, architects, owners, detailers, suppliers, erectors, educators and students, offering a wide span of products and services to enhance capabilities and grow businesses.

CISC is critical to Canadian infrastructure as the organization has developed and provides standards, codes and publications to serve the structural steel, design community and the construction industry. The resources provided by CISC are critical for steel fabricators, structural engineers, architects, owners, developers and other construction professionals. Through its Canada wide membership of fabricators and other member associates, CISC promotes uniformity and reliability to Canadian steel infrastructure. CISC is our voice that can bring issues affecting the steel fabrication industry to the attention of regulators, politicians and law makers.

Steve Ross, General Manager - Member since 1984
EVERYTHING WE DO IS DRIVEN BY STEEL

Advocacy and Leadership
- With the support of our Members and Associates, we are the national voice for the Canadian Steel Construction industry.
- Your involvement makes your voice stronger!
  - Anti-dumping
  - Tariffs
  - Prompt payment legislation

Networking and Education
- The CISC hosts regional and national events across Canada, providing our Members & Associates the opportunity to network and learn from the industry’s leading experts.
  - Industry-led events
  - Training & courses
  - Lunch & learns
  - SteelDay
  - Educator’s Forum and more!

Resources and Research
- The CISC provides important information, news and technical resources that is vital to the success of our Members and Associates.
- This will ensure that your business will remain at the forefront of the steel construction industry.
  - Steel Knowledge Blog
  - Project Solutions
  - Technical publications & apps

BENEFITS OF JOINING THE CISC

Exclusive Benefits and Savings
- As a CISC Member or Associate, you gain exclusive access to cost-saving programs that will enhance your business all while saving you money.
  - CISC affinity programs
  - Exclusive CISC pricing for legal services
  - Exclusive CISC pricing for group benefits
  - Promotional savings on publications and courses for students, professors, and more!
CISC MEMBERSHIP
THE STRENGTH OF THE CISC

879
TOTAL MEMBERS & ASSOCIATES AS OF 07/2019

39
NEW MEMBERS & ASSOCIATES

Our Members

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<th>Our Members</th>
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<tr>
<td>Steel Fabricators</td>
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<td>Steel Service Centres or Steel Warehouses</td>
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<td>Steel Mill Producers</td>
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<td>Steel Affiliates</td>
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Our Associates

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<th>Our Associates</th>
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<td>Small Steel Fabricators</td>
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<td>Steel Erectors</td>
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<td>National Consulting Companies</td>
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<td>Builders or Stakeholders</td>
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<td>North American Steel Mill Producers</td>
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<td>Professors, and students enrolled in engineering, architectural and other technical programs</td>
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<td>Professional Individuals</td>
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<td>Technical Individuals</td>
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THE BENEFITS OF CISC MEMBERSHIP

Become recognized as a leader in the Canadian steel construction industry and connect with a rich set of resources, tools and expertise that will advance your business.

Advocacy
Make your voice heard & be a part of creating solutions alongside an industry that will fight tirelessly for the longevity and success of the use of steel in construction.

Codes & Standards
Support to the development of efficient industry Codes & Standards that will create innovative technical resources to build safe, sustainable & competitive structures.

Environmental Product Declarations (EPDs)
Gain exclusive access to CISC’s LEED v4 EPDs—the only one of its kind available in Canada—and build strong, safe & sustainable steel structures, while saving time and money.

Advantage Steel Magazine
Gain recognition by over 6,000 readers all over the globe with an exclusive opportunity to feature your most innovative projects, research and products/services in Canada’s leading industry magazine.

Communications
Get up-to-date breaking news & stay connected with steel industry announcements/events at your convenience.

SteelDay
Celebrate steel within your community & showcase your company’s unique steel projects and state of the art capabilities by hosting a local event.

Job Board
Reach a targeted candidate pool in the steel industry & hire top talent by posting on CISC’s Job Board.

Quality Certification
Be recognized internationally as a leader in the steel construction industry with a CISC Quality Certification.

Career & Professional Development
Learn from industry leaders, tap into valuable academic and professional resources or take advantage of our suite of online self-paced courses, publications and webinars.

Design Awards
Participate in Canada’s most prestigious design awards celebrating steel & gain recognition as a steel industry innovator.

Exclusive Advertising Opportunities
Reach your clients all across Canada directly by showcasing your steel products/services at regional and national CISC events, on the CISC website or in Advantage Steel magazine.

Industry Events
Network with the steel industry’s leading professionals & experts at events scheduled across the country all year long.

CISC Affinity Benefits
Take advantage of CISC’s exclusive benefits & affinity programs that will help you save on different products/services.

Industry Guides
Get exclusive access to technical resources & design aids that help you identify industry-specific standards, steel sections, etc.
CISC FABRICATORS HAVE EXCLUSIVE ACCESS TO ALL LEED V4 PROJECTS

To give the CISC membership a competitive advantage over non-members, the CISC financed and developed membership industry average EPDs as defined in LEED v4. By doing so, the CISC has provided its Members the only industry average EPDs available in Canada for the steel fabrication industry. EPDs are now necessary to bid and successfully meet the LEED v4 project requirements.

By developing CISC’s Environmental Product Declarations (EPDs) exclusively for CISC Members & Associates, we have created access to a unique LEED building market that is not available to any other fabricator in Canada. Each specially developed EPD allows fabricators to design buildings that are compliant with LEED regulations, while lowering operating costs and increasing asset value.

LEED is designed to address the crucial environmental challenges we face today, while responding to the needs of a competitive market. By adhering to the LEED rating systems while building steel structures, and in turn receiving LEED certification, a company demonstrates leadership, innovation, environmental stewardship and social responsibility.

There are 6 CISC Environmental Product Declarations (EPDs) for both painted and unpainted products as follows:

- Fabricated Hot Rolled Structural shapes
- Fabricated Hollow Structural Sections (HSS)
- Fabricated Structural Plates

Exclusive for CISC Members & Associates
CISC CERTIFICATION PROGRAMS

Be recognized internationally as a leader in the steel construction industry with CISC Quality Certification in steel structures and steel bridges.

CISC Quality Certification creates the right foundation of knowledge for fabricators of steel structures and steel bridges. It provides proof of quality and competence for the construction industry, assuring organizations are adhering to national and international standards. This allows CISC Quality Certified companies to remain highly competitive within the Canadian steel construction industry, while practicing world-class quality and safety processes.

The CISC has one of the most comprehensive and independently audited quality certification programs in the industry. Our Quality Certification program has been rapidly gaining traction across the country and is now being recognized in building standards. Multiple provincial jurisdictions are specifying CISC Quality Certified fabricators for steel bridges and buildings in order to guarantee consistency and reliability in project satisfaction.

56 PLANTS
STEEL STRUCTURES CERTIFIED

23 PLANTS
STEEL BRIDGES CERTIFIED

CERTIFICATION OFFERS A CLEAR COMPETITIVE ADVANTAGE:

- More owners are specifying CISC Quality Certification
- CISC Certified companies get on the pre-qualified bidders list
- CISC Certification improves construction relationships
- CISC Certification establishes long-term business relationships
- Increase your business potential growth
- Improvement of performance, coordination, and productivity internally
- Certified firms will be able to consistently deliver the highest quality products and services
- Instill confidence to prospective clients that the intended quality is being achieved and maintained by the company in which they are hiring

Newly updated 3rd Edition of the CISC Steel Bridge Certification

This revised edition includes the scope and requirements for two bridge certification categories: Complex Steel Bridges and Simple Steel Bridges.

This new certification category addresses these special processes and requirements of steel fabrication for highway and railway bridge structure.
WHAT OUR MEMBERS ARE SAYING!

WALTERS GROUP INC.

The “CISC Steel Structures Certification” is a market differentiator in a crowded field of competitors. The certification provides our clients with the comfort of third party validation, certifying that we are knowledgeable and experienced in the building of structures and that we follow the relevant codes and standards in the execution of our work.

Walter Koppelaar, CEO & Chairman

RAPID-SPAN GROUP

As a CISC certified bridge fabricator, it sets us apart as specialists with the in-depth knowledge, experience and equipment required to fabricate steel bridges to the relevant codes and standards. Our customers are delighted the CISC has taken the lead in creating a world-class certification program specific to the fabrication of steel bridges in Canada. It provides them the confidence they demand that their bridges will be fabricated by experts to the highest quality standards.

Paul King, MS, P.Eng., VP Engineering

STANTEC CONSULTING LTD.

I appreciate the effort that CISC takes to vet and certify high quality Members. When we put out a tender to the market, we specify the companies that are CISC certified when we can. It gives me peace of mind knowing that when we entrust a project to a Quality Certified CISC Member, we can expect a high level of consistency and quality where safety is paramount.

Terry Wilk, M.Eng., P.Eng., Principal
ADVOCACY INITIATIVES

The Canadian Institute of Steel Construction (CISC) is the voice for the Canadian steel construction industry. We represent the entire steel construction supply chain including manufacturers, fabricators, service centres, detailers, consultants, industry suppliers, owners and developers.

As the voice in the steel construction industry, we collaborate directly with government officials and industry stakeholders to voice the critical issues that challenge our industry. Together, we make the changes our steel construction industry needs to strengthen and grow.

By doing so, we are creating the solutions that Canadian businesses and the Canadian middle class need to truly succeed.

#AdvocacySnapshot

Learn more about the challenges that impact the Canadian steel construction industry and get on-going updates on CISC’s advocacy initiatives in helping to find solutions for these issues.

The CISC provides these updates on the CISC website, as well as, within the #AdvocacySnapshot email.

Subscribe to the CISC’s mailing list today!
Since 2010, the CISC has worked in close partnership with the National Trade Contractors Coalition of Canada (NTCCC) to champion the needs of Canada’s construction industry. Our efforts have been instrumental in securing legislation that guarantees tradespeople will be paid within 30 days and are protected by an adjudication process on construction projects at both the federal and provincial levels.

With the landmark passing of Ontario’s Bill 142 in December 2017, we continue to achieve further milestones. Nova Scotia and Saskatchewan have both successfully developed and enacted legislation in the past year that affects all public and private construction contracts within their provinces. Not to mention, the key passing of the Federal Prompt Payment for Construction Work Act, ensuring payments are made efficiently to all contractors working on federal construction projects across Canada.

Ongoing DEVELOPMENTS

The CISC will continue to engage, facilitate and support the needs of our prestigious network of Members & Associates. In turn, they gain access to endless member benefits and support critical advocacy efforts that maintain the integrity of the steel construction industry.

Promt Payment legislation with adjudication is one of the most important and needed corrective measures in the Canadian construction industry. It not only provides a speedy resolution to payment disputes of the original contract, but it can also be applied to correct the dysfunctional process of approving and paying for project changes. Ontario was the first to achieve this goal and we are seeing the dominos beginning to fall across the country.

ED WHALEN, P.ENG.,
PRESIDENT & CEO, CISC

Federal Prompt Payment for Construction Work Act receives royal assent.

Saskatchewan enacts Bill 152, the Builders’ Lien (Prompt Payment) Amendment Act.

Nova Scotia’s Bill 119, the Builders’ Lien Act (Amended), receives royal assent.

Ontario enacts prompt payment legislation through reforms of the existing Construction Lien Act.

Prompt payment legislation provides a speedy resolution to payment disputes of the original contract, but it can also be applied to correct the dysfunctional process of approving and paying for project changes.
Over the last decade, we have worked closely with government officials and consultants to provide industry insight, including recommendations in one of Canada’s largest and most extensive cross-nation consultation processes in January 2018. Alongside the efforts of the NTCCC, our valued input has resulted in the development of legislation that truly supports the growth of Canadian businesses and people.

In June 2019, Bill C-97, the Budget Implementation Act, 2019, No. 1, which includes the Federal Prompt Payment for Construction Work Act received royal assent. The CISC applauds the federal government’s commitment to stand behind the Canadian middle class with federal prompt payment legislation.
While we look forward to seeing the progress of nationwide prompt payment legislation develop across Canada, our work is far from done.

There is a dire need to implement major changes to the status quo if we want our Canadian construction industry to succeed. We have seen outstanding wins in the past year with a significant momentum to enact prompt payment legislation and adjudication. However, our fight is not over until we can truly eliminate the challenges of delayed payments from coast to coast. The CISC will continue its efforts, working closely with provincial and federal government officials, to help ensure that every Canadian construction worker and business owner gets what they deserve: prompt payment.
STEEL TARIFFS & SAFEGUARDS

The CISC was proactive in ensuring CISC Members & Associates and affected industry stakeholders were aware of all critical information and had access to on-demand support.

Upon the implementation of U.S. steel tariffs, as well as the proceeding retaliatory actions, the CISC was proactive in ensuring CISC Members & Associates, as well as affected industry stakeholders were aware of all critical information and had access to on-demand support. Consequently, we were able to better position Canadian steel companies for the best possible outcome during this time.

This effort negotiated by the Government of Canada will once again allow the Canadian steel industry, as well as those employed by it, to succeed and freely grow. With the removal of the 25 per cent U.S. steel tariffs, as well as the Canadian retaliatory measures, Canadian steel companies will experience a decrease in contractual risk or uncertainty and can remain competitive in the global market.

The CISC engaged in the following activities to protect the interests of the steel construction industry:

- Facilitated informative meetings led by U.S. construction lawyers to provide support to steel businesses being directly affected by the U.S. steel tariffs and Canadian countermeasures.
- Provided thorough recommendations to the Canadian government to ensure that the downstream steel industries weren’t negatively impacted as a result of the dollar-for-dollar Canadian steel tariffs and safeguards.
- Lobbied for industry protection and met with government officials to enforce tariff remissions for companies who were forced in unavoidable lose-lose situations due to the Canadian retaliatory tariffs. The companies that were brought forward to the Canadian government were all granted a remission.
- Promoted the availability of financial assistance opportunities provided by the Government of Canada. As a result, two CISC Members, among other steel companies, received grants upward of $500,000 each.

Our ongoing efforts to defend the needs of Canadian businesses and Canadian steel workers has led our industry to yet another win. While we are pleased with the outcome of this fight, we will remain diligent in supporting and working closely with the Canadian government to always advocate for fair trade, as well as for the interests of the Canadian middle class.

"Pittsburgh Steel Group greatly appreciates this FedDev Ontario support, allowing us to invest in new technology which will innovate our process line and expand our production capabilities, with improved productivity and competitiveness, we will add to the economic betterment of our community by creating skilled jobs and reducing waste for a healthier environment."

Zoran Radonjic
President of Pittsburgh Steel Group
On both sides of the border, providing quality steel products and structures in the steel industry can remain globally competitive, contractual risk and uncertainty. Our Canadian steel fabricators are once again able to operate downstream steel construction sectors and countermeasure actions in an effort to defend its trade interest and workers.

On the morning of May 31, 2018, with no indication of NAFTA negotiations concluding, the U.S. administration declared the immediate expiration of Canada and Mexico’s exemption, including them in the U.S. imposed steel tariffs along with the rest of the world.

The Canadian government promptly retaliated with countermeasure actions in an effort to defend its trade interest and workers.

In May 2019, the U.S. Section 232 tariffs against Canada and Mexico were eliminated. With the removal of these tariffs, Canada’s downstream steel construction sectors and steel fabricators are once again able to operate and bid on construction projects without contractual risk and uncertainty. Our Canadian steel industry can remain globally competitive, providing quality steel products and structures on both sides of the border.

In July 2018, Canada imposed dollar-for-dollar retaliatory tariffs against the U.S., amounting to $16 billion worth of products. This action was taken in direct response to the 25 per cent steel tariff the U.S. administration had implemented earlier that year. The CISC provided thorough recommendations to the Canadian government during this process to ensure that the downstream steel industries weren’t negatively impacted as a result of these countermeasures.

The steel products included in Canada’s countermeasures included:

- Low alloy flat rolled plate and coil, bars and rods (all standard grades affected)
- Low alloy channels, angles, I, T and beams less than 80mm (all standard grades affected)
- All alloy flat rolled plate and coils, bars, rods, shapes and sections—with the biggest impact on weather steels
- HSS and pipe sections (all sizes)
- Cast iron and steel (connections)

The federal government demonstrated their support of the Canadian steel industry by providing a plan of action for those affected by the Canadian tariffs. Financial assistance was available to businesses who required aid as a result of the new tariffs, access to the federal work-sharing program was extended, and a remission process was implemented as a mechanism that relieved or rebated tariffs that put Canadian steel companies in lose-lose situations.

As a result of the lifting of U.S. Section 232 tariffs, Finance Minister Bill Morneau promptly announced the removal of Canada’s retaliatory measures. Canada and the U.S. continue to work together to develop a process that will monitor steel trade among them, as well as from countries outside of North America, to prevent subsidized and/or dumped steel entering both countries.

With U.S. Section 232 tariffs affecting countries globally, the federal government implemented emergency safeguard measures with the intention to protect the Canadian steel market from a surge of foreign steel imports that would otherwise be destined for the U.S. There had already been evidence of an increase of steel products coming into Canada in large volumes that have had a harmful impact on Canadian producers, Canadian market pricing and the Canadian supply chain.

On October 25, 2018, the federal government implemented a provisional safeguard of 25 per cent surtaxes (tariff) and quotas on steel products from all countries (excluding the U.S. and Mexico) to be in effect until May 13, 2019. Seven steel products are considered at risk and have been included in this provisional safeguard:

- Steel plate
- Concrete reinforcing bar
- Energy tubular products
- Hot-rolled sheets
- Pre-painted steel
- Stainless steel wire
- Wire rod

The Canadian International Trade Tribunal (CITT) held a hearing in Ottawa for most of January 2019. The hearing consisted of seven mini-hearings broken up product by product, allowing the CITT to provide a recommendation to the Minister of Finance to decide if the test for imposing safeguard measures have been met.

To conclude the investigation, the CITT recommended safeguards on only two of the seven steel products initially considered at risk. In May 2019, Finance Minister, Bill Morneau announced that the two products that would receive a safeguard surtax were heavy plate and stainless steel wire.
The CISC has been lobbying all levels of government regarding the importance of maintaining the integrity of the Canadian International Trade Tribunal’s (CITT) 2017 ruling on fabricated industrial steel components (FISC). We remain actively consulting in all appeals made to the Government of Canada to ensure the interests of the construction industry is being heard and acknowledged. We are urging the federal government to enforce fair trade so that Canada, including the steel construction sector, can remain globally competitive and the Canadian middle-class can not only grow, but also strengthen.

Dumping & Illegal Subsidization

→ Dumping occurs when an individual or number of companies from one or more countries sell into a foreign market cheaper than they sell it domestically. Dumping can also be determined against a company when they are selling below what is deemed to be a reasonable amount of profit.

→ An illegal subsidy is when an exporter’s government is providing unfair and illegal subsidization of their domestic industry. This can be in the form of grants, assistance, rebates and even government ownership. Many of China’s companies that trade around the world are government owned. Consequently, China is classified by most countries around the world as a non-market economy as a result.

World Trade Organization (WTO) sets the definitions and rules for international trade. They hear trade disputes between countries but do not enforce or penalize countries or companies for illegally trading.

The CISC and our industrial steel fabrication partners won a world precedent case on FISC in 2017. The CITT levied anti-dumping duties of 48 per cent on China, South Korea and Spain. China was also found to be illegally subsidizing their steel fabrication industry by 50-70 per cent. This ruling granted Canada five years of protection from these countries with the possibility of renewal for another five years.

In the past year, the Canadian government has been considering granting a duty remission for LNG projects involving FISC. If granted, a remission will exempt LNG companies from duties on illegally imported steel from China at the expense of Canadian construction jobs and taxpayers’ money. The adverse effects on the middle-class, and in turn, the Canadian economy, will be felt heavily if China—a proven dumping and subsidizing nation—is awarded access to Canadian construction jobs despite their illegal trade practices. Currently, as we await the pending approval of a tariff remission request by LNG Canada, all Canadian industrial construction jobs remain at risk. This decision is critical and will set a precedent for all future construction and investments in Canada.

“

The argument that Canadian trades don’t have the expertise, and that any project is too complex for Canada is just plain false. Canadian trades and FISC producers have a proven track record of producing the best and most complex industrial facilities in the world, with the highest quality and safety records!

ED WHALEN, P.ENG., PRESIDENT & CEO, CISC

CISC'S FISC ANTI-DUMPING TRADE CASE

Protecting the Canadian Steel Construction Industry from Illegally Dumped Steel

The CISC is vigorously defending our industry against unfair trade practices for the preservation of Canadian jobs and the success of the Canadian middle class.
October 2018 - Canadian Government Demonstrates Commitment to LNG Canada’s Project—No Official Decision Announced
The final investment decision (FID) from a consortium of investors for Canada’s first LNG joint venture project is announced before an official decision has been made from the Federal court of Appeal regarding the request for remission on FISC duties filed by LNG Canada. Prime Minister Justin Trudeau unveils $275 million that the federal government has committed towards the completion of the LNG project in Kitimat, BC.

April 2018 - CISC Counters an Appeal to CITT’s Ruling on FISC Duties
The CISC challenges an appeal against the original offenders in the FISC trade case that is looking to unravel the CITT’s original ruling. This case is currently still under investigation with the Federal Court of Appeal and is being heard to consider the reasonableness of the decision made by the tribunal. The court has yet to make a final decision.

November 2017 - CISC Challenges A Tariff Remission Request from LNG Canada
CISC challenges LNG Canada’s remission request to the Department of Finance, seeking exemption from anti-dumping duties on fabricated structural steel and modules from China. The decision has yet to be officially announced and is dependent on the outcome of various proceedings that are currently in front of the CBSA and the Federal Court of Appeal.

June 2017 - CISC Leads the Win for the World’s First FISC Anti-Dumping Trade Case
The CITT’s investigation concludes that dumped FISC from China, Korea and Spain, as well as subsidized FISC from China, have caused injury to Canada’s domestic industry. Duties against FISC from these three countries are enforced for the next five years. With this ruling, we have preserved over 1.5 million man hours and restored work worth over 100,000 tonnes of fabricated steel back to Canada.
We are pleased to demonstrate that our steel industry, alongside the Canadian governments, have been and are presently operating within the rules of the World Trade Organization (WTO).”

ED WHALEN, P.Eng., President & CEO, CISC
Every year at Parliament Hill, alongside our Members & Associates, the CISC lobbies all level of government to acknowledge the state of Canada’s steel construction industry and to create policies that allows Canadian steel companies to remain competitive while positioning steel as the building material of choice. Together, we urge them to take action on the critical issues that impact the day-to-day lives of Canadian steel companies, communities and people.

This unique opportunity allows key stakeholders and representatives from across Canada to bring forward their experiences on the direct effects these challenges have on businesses and the middle class, while delivering the solutions that will invoke the change our industry needs to succeed.

2018 CISC Lobbying Platform:

1. Pass Prompt Payment Legislation with Adjudication in 2019
2. Enforce the Immediate Removal of U.S. Section 232 Steel Tariffs
3. Reject LNG Canada’s Remission Request Regarding Waived Duties on FISC
4. Support Canadian Companies to Have Fair Access to Canadian Infrastructure Construction Projects

A special thank you to our Members & Associates from all across Canada who came together to meet various Members of Parliament and Senators to share their voice on the state of the steel construction industry.


It is important to acknowledge the significance of the Canadian steel construction industry and the vital role it plays in employing the middle class. As a nation, we must ensure that we are protecting our industry while giving it the best chance to strengthen and grow—which includes proper prompt payment legislation, fair trade and the opportunity to fairly bid on construction projects.

ED WHALEN, P.ENG., PRESIDENT & CEO, CISC
The CISC is the resource for framing solutions and technical information on designing steel buildings, bridges and platework in Canada.

The CISC Solutions Centre oversees and directs all of the CISC’s technical products and services. This include course production, participation in the advancements of codes and standards, the development of industry publications, and providing technical guidance and solutions for the steel construction industry. The desire for CISC’s services have remained very strong in the past year. We offer direct and convenient access to technical resources focusing on the needs of the steel construction industry.

In the last fiscal year (ending April 2019), we responded to approximately 350 unique queries and requests from engineers, engineers in training (EIT), architects, fabricators and other industry stakeholders. We provided technical assistance on a wide range of structural design projects to ensure accuracy of steel use while promoting the advantages of steel.

Through numerous platforms, we’re providing Canadian steel construction professionals from across the country with around the clock access to resources that help solve the most complex design and construction issues. In this past year, we have developed four new design aids through CISC’s Design Modules and the Steel Design Series, published over 10 new Steel Knowledge Blog posts covering a range of industry topics, provided three major updates to our Codes & Standards listing, and launched two new online webinar courses. Meanwhile, we continue to restock our publication library, maintain our FAQ forum and answer direct inquiries, as well as develop new technical resources based on the needs of the industry.

The CISC is committed to fostering the development and sharing of knowledge and best practices in the steel construction industry through our various resources. We will continue to provide the leading technical resource catalogue in all of Canada to further develop and promote the use of steel in construction.

CISC engineers sit in over 20 different writing committees and participate in development activities for many Codes & Standards, both at the national and international level, representing the steel industry at large. In doing so, we’re able to provide the most up-to-date status’ and publication listings that is accessible for all steel industry stakeholders to reference in their steel designs.
The CISC has a variety of online technical resources available 24/7 to provide guidance on some of the most complex topics related to steel design, fabrication and erection. Our online suite includes the CISC’s Steel Knowledge Blog, FAQs, updated Codes & Standards, Steel Design Modules, Steel Design Series, self-paced online courses, as well as other downloadable e-publications and apps.

New content is being populated consistently based on emerging innovations and the needs of the steel construction industry, including fire protection, engineering, platework, OSWJ, connection materials, etc.

“Structural design is not easy. Our efforts at the CISC Solutions Centre are focused on making steel design more easily understood, so that engineers will feel more confident using it. CISC publications, such as our AESS Guide, also help architects see the advantages of steel more readily.”

CHARLES ALBERT, M.Sc.E., P.Eng., Manager of Technical Publications and Services

Answers only a click or call away

CISC Solutions Centre engineers are ready to answer your technical questions on all aspects of structural steel design for buildings and bridges.

(905) 604-3231 (104)  info@cisc-icca.ca  www.cisc-icca.ca
Produced by the CISC Solution Centre, the Handbook of Steel Construction is the most important resource in designing steel structures in Canada. It is referenced by all steel professionals across the country to educate and build the strongest, most economical steel structures.

The Handbook of the Steel Construction contains detailed information on the design and detailing of structural steel in metric units. The 11th Edition has been updated to reflect changes to CSA S16-14 and the structural section data.

To provide ready access to a wider selection of design data, a new and expanded colour scheme was introduced in the 11th edition. Narrow vertical colour bars printed in the outer margins have replaced the uniform backgrounds of previous editions. Confining the reference colours to the margins allowed specific information to be displayed within the tables using additional colours, such as yellow cells to denote readily available W-shapes, without visual confusion.
Access the most updated & relevant design aids in steel construction with CISC’s exclusive Steel Design Modules

CISC’s Steel Design Modules consist of a series of publications that focus on specific topics based on industry needs outside the scope of the Handbook of Steel Construction, ranging from the design and construction of steel structural systems to connection details. Each module offers unique design aids that provides in-depth information, advanced research and precise calculations that meet Canada’s building standards providing technical support to professional engineers to design in steel more efficiently. We are the only organization providing resources to ensure our Canadian steel construction industry has the proper tools to design and build strong, safe and cost-effective steel structures and bridges.

Design Module 1
Eccentrically Loaded Bolt Groups

Design Module No. 1 covers traditional methods for determining the resistance of bolt groups in connections of various configurations which are subject to an eccentric point load applied either in-plane or out-of-plane. Bolt groups subject to an inclined point load applied in-plane are also included. Several sets of charts and tables are presented to assist designers, and a number of solved examples are given to illustrate practical applications.

Design Module 2
Eccentrically Loaded Weld Groups

Design Module 2, Eccentrically Loaded Weld Groups, covers traditional methods for determining the resistance of fillet weld groups in connections of various configurations which are subject to an eccentric point load applied either in-plane or out-of-plane.

Design Module 3
Gerber Roof Girders

Design Module 3 covers the design of roof girders in Gerber construction. Design tables are provided to assist designers in selecting the cantilever girder and drop-in segment sizes for typical building applications with evenly spaced columns and joists. The tables are applicable to flat roofs subject to dead, live, snow and vertical wind loads. Various girder and joist span combinations, lateral bracing configurations and load conditions are included. Solved examples are presented to illustrate practical applications.
STEEL DESIGN SERIES, SDS-4
PART 4 – WELDED SHAPES - PROPERTIES AND DIMENSIONS

Part Four of the Steel Design Series (SDS-4) provides tables of properties and dimensions for Welded Wide-Flange (WWF) and Welded Reduced-Flange (WRF) shapes, reprinted from the Handbook of Steel Construction, 10th Edition. They are intended mainly for designers involved in renovation projects.

Essar Steel Algoma Inc. had been the prime producer until their production of welded shapes discontinued in 2010. WWF beam and column shapes, and WRF shapes are generally not carried in inventory.
STEEL DESIGN SERIES, SDS-6
PART 6 – ULC AND cUL THIN-FILM INTUMESCENT COATINGS – FIRE-RATED DESIGNS
George Frater, Canadian Steel Construction Council
Part 6 (SDS-6) contains a summary of fire-rated designs using thin-film intumescent coatings, an alternative fire-protection method to spray-applied fire-resistive materials (SFRM - summarized in CISC Steel Design Series Part 1, SDS-1). Tables of ULC and cUL fire-rated designs are provided for floor assemblies, and wide-flange and hollow structural section (HSS) columns.

Intumescent coatings are paint-like materials applied to structural steel with a typical thickness of 1 mm to 3 mm. When a fire occurs, the coating changes dramatically from a relatively thin film to a meringue-like insulating ash with a thickness of 50 to 100 mm or more. It is the intumescent ash that insulates and protects the steel from fire. Intumescent coatings are traditionally more expensive than SFRM but provide many benefits, including lighter weight per surface area protected, durability, aesthetic appeal for exposed steel, and good adhesion.

LIMIT STATES DESIGN IN STRUCTURAL STEEL, 10TH EDITION
G.L. Kulak and G.Y. Grondin
This book serves as the complete teaching text for Canadian universities and technical colleges, as well as a valuable reference document for practicing engineers. It explains the philosophy and practical applications of limit states design procedures and provides comments on design requirements contained in CSA S16-14.

CISC STEEL BRIDGE CERTIFICATION STANDARD – 3RD EDITION, 2018
The CISC has prepared this standard in recognition of its interest in meeting the quality requirements of its customers. It is designed to assess the Fabricator’s Quality System and provide a level of assurance that the company performing the fabrication has processes and personnel in place to better enable it to conform to the contractual and regulatory requirements. This standard addresses the special processes and requirements of steel fabrication for highway and railroad bridge structures.

This Standard is used by bridge fabricators who wish to have their operations CISC Certified. CSA S6, Canadian Highway Bridge Design Code, now requires bridge fabricators to have a bridge-specific audited and certified quality management system. CISC Bridge Certification is recognized by CSA S6-14 as meeting this requirement.

This revised edition includes the scope and requirements for two bridge certification categories: Complex Steel Bridges and Simple Steel Bridges.

CALCUL DES CHARPENTES D’ACIER
D. Beaulieu, A. Picard, R. Tremblay, G. Grondin, B. Massicotte
The second volume in the French-language series is aimed at graduate students and practicing engineers. This comprehensive reference features chapters on steel properties, composite beams, plate girders, connection design (including gussets and column base plates), brittle fracture and fatigue. Available in French only.

STRUCTURAL STEEL POCKET DATA, 2017
This booklet contains basic dimensions (d, b, t, w) and designations, in both inch-pounds (imperial) and SI (metric) units, for the commonly used structural steel sections produced by North American steel mills and listed in the CISC Handbook of Steel Construction, 11th Edition. It is intended as a handy reference printed on water-resistant and tear-resistant paper for designers, fabricators, estimators, detailers and erectors in the field when dealing with structural steel sections.
CRANE-SUPPORTING STEEL STRUCTURES, 3RD EDITION
R.A. MacCrimmon

This guide fills a long-standing need for technical information on the design and construction of crane-supporting steel structures that is compatible with Canadian standards and written in Limit States format. It is intended to be used in conjunction with the National Building Code of Canada 2015 and CSA Standard S16-14, Design of Steel Structures.

CISC GUIDE FOR SPECIFYING ARCHITECTURALLY EXPOSED STRUCTURAL STEEL, 2ND EDITION
Terri Meyer Boake

Developed primarily for architects, this guide is also intended for all design professionals interested in AESS applications. The contents feature: the Categories Matrix, characteristics, coatings and finishes, connections, curves and cuts, and erection considerations. Also included are Appendix I on Architecturally Exposed Structural Steel from the CISC Code of Standard Practice, and the Sample AESS Specification.

FIRE FACTS FOR STEEL BUILDING
R.G. Gewain, N.R. Iwankiw, F. Alfawakhri, G.S. Frater

This publication serves as a general reference and introductory primer, in a convenient question-and-answer format, for the benefit of engineers, architects, building code officials, owners, developers, construction managers, general contractors and others with an interest in the subject. More detailed information, data, analysis or design criteria are available in the cited references. This reference is based mainly on NBC 2005.

HIGH STRENGTH BOLTING FOR CANADIAN ENGINEERS
G.L. Kulak

The purpose of this primer is to provide structural engineers with the information necessary to select suitable high-strength bolts, specify the methods of installation and inspection, and design connections that use this type of fastener. Bolts can either be common bolts (sometimes called ordinary or machine bolts) or high-strength bolts. Although both types are described, emphasis is placed on high-strength bolts. Because many riveted structures are still in use, and often their adequacy must be verified, a short description of rivets is also provided. This publication refers to CSA S16–01 (buildings and related structures) and CSA S6–00 (bridges).

CISC CODE OF STANDARD PRACTICE, 8TH EDITION

The CISC Code of Standard Practice for Structural Steel is a compilation of usual industry practices relating to the design, fabrication and erection of structural steel. These practices evolve over time and are subject to change as methods improve. The code is revised whenever a sufficient number of changes have occurred to warrant a new edition.

MOMENT CONNECTIONS FOR SEISMIC APPLICATIONS, 2ND EDITION

The second edition supersedes the first edition published in 2004 and based on FEMA 350, Recommended Seismic Design Criteria for New Steel Moment Frame Buildings. Completely revised and expanded to include reduced beam section, bolted unstiffened and stiffened end-plate, and bolted flange plate moment connections, the second edition presents design provisions comparable to those governing the design of generic beam-to-column connections in ANSI/AISC 358, Prequalified Connections for Special and Intermediate Steel Moment Frames for Seismic Applications.
**CISC/CPMA STANDARD 1-73A**

This Standard applies to a quick-drying paint for use as a single coat on structural steel. It is intended to withstand exposure to essentially non-corrosive atmospheres (such as rural, urban or semi-industrial) for a period of time not exceeding six months.

**CISC/CPMA STANDARD 2-75**

This Standard applies to a quick-drying primer for use on structural steel. Without top coating, it is intended to withstand exposure to essentially non-corrosive atmospheres (such as rural, urban or semi-industrial) for a period of time not exceeding 12 months. It may be top-coated under the conditions described in this standard.

**CISC COMMENTARY ON CSA S16-14 ANNEX K STRUCTURAL DESIGN FOR FIRE CONDITIONS**

This Commentary on Structural Design for Fire Conditions has been adapted from an existing Commentary to the AISC Specification for Structural Steel Buildings, Appendix 4, Structural Design for Fire Conditions (AISC, 2010, 2nd edition), which was prepared by the AISC Committee on Specifications, Task Committee, TC8, on Structural Design for Fire Conditions.

**STEEL FABRICATION QUALITY SYSTEMS GUIDELINE**

2nd Edition with Commentary

This guideline has been prepared in recognition of the interest in meeting the quality requirements of its customers. It is designed to assist CISC Fabricators in developing a Quality System that will provide assurance that products will conform to contractual and regulatory requirements. This guideline addresses the special processes and specific requirements of the steel fabrication industry.

**CISC HANDBOOK UPDATES WITH REVISED TABLES – 2017**

This publication contains the revisions and updates which have been incorporated into the 3rd Revised Printing of the 11th Edition of the CISC Handbook of Steel Construction. The list includes all revisions previously published in List No. 2 (4 October 2017), in addition to full reproductions of tables and pages that were revised due to the publication of S16-14 Update No. 1 by CSA Group in December 2016.

**CISC HANDBOOK 11TH EDITION REVIEWS**

⭐⭐⭐⭐⭐ 5/5 STARS Great book for 2nd year civil engineering students.

⭐⭐⭐⭐⭐ 5/5 STARS A must in any engineer’s library working in Canada.

⭐⭐⭐⭐⭐ 5/5 STARS You can’t do structural steel design without having this handbook open on your desk.
STEEL BRIDGES – DESIGN, FABRICATION, CONSTRUCTION COURSE DESIGN EXAMPLES (CSA S6-06)
This book is the companion to the 16 hour Steel Bridges Design, Fabrication, Construction course which covers the design, fabrication and construction of steel bridges based on CSA S6-06, Canadian Highway Bridge Design Code. This 339 page book includes four updated design examples illustrating extensive design calculations for I-girders and box girders of straight and curved configurations. Topics addressed include highway bridge loads and methods of analysis, moment and shear resistance, control of cracking, vibration, fatigue, shear studs and wind and seismic effects.

SEISMIC DESIGN OF STEEL-FRAMED BUILDINGS
These design notes illustrate the design of various types of seismic-force-resisting systems (SFRS) in different Canadian locations with varying seismicity. The notes refer extensively to the National Building Code of Canada 2010 (NBC 2010) and to CSA S16-09 “Design of Steel Structures”. In addition, there are many references to the CISC Handbook of Steel Construction, 10th Edition.

SEISMIC CONNECTIONS FOR STEEL-FRAMED BUILDINGS
These design notes illustrate the design of various connections in ductile seismic force-resisting systems in steel-framed buildings to the requirements of the 2010 National Building Code of Canada and Clause 27 of CSA Standard S16-09.

UPCOMING PUBLICATIONS
CISC GUIDE FOR SPECIFYING ARCHITECTURALLY EXPOSED STRUCTURAL STEEL, 3RD EDITION
Terri Meyer Boake

MOMENT CONNECTIONS FOR SEISMIC APPLICATIONS, 3RD EDITION
STEEL DESIGN SERIES, SDS-7
PART 7 – BEAM LOAD TABLES - RECTANGULAR HSS
Chiyun Zhong, Michael Montgomery and Constantin Christopoulos

ELECTRONIC APPS
Steel Section Dimensions
The Steel Section Dimensions App is available in 2 mobile platforms, for the Apple iPhone and tablets, and Android mobile devices. All data provided are consistent with the new Handbook (11th Edition). The data are given in both metric and imperial units.

Structural Section Tables 11 (SST11) - Available to CISC Members and Associates
The SST11 Excel database contains the North American structural steel sections listed in the Handbook of Steel Construction, 11th Edition. The following steel shapes are included: W, HP, M, S, C, MC, L, WT, HSS (square, rectangular and round; CSA G40.20 and ASTM A500), 2L equal legs back-to-back, 2L long legs back-to-back, 2L short legs back-to-back. Commonly used and readily available W-shape sizes are highlighted.
## Ensuring steel is safe & competitive

CISC Engineers participate in development activities for many codes and standards nationally and internationally representing CISC and the steel industry at large. Both CSA Technical Committees, TC S16 Design of Steel Structures and TC S6-14, Canadian Highway Bridge Design Code, have been very busy in preparation for the next edition due for publication in 2019.

CISC staff serve as Vice-Chair of TC S16 and members of TC S6 and TC S413 on Parking Structures. CISC staff are also involved with CSA Committees including S16, S6, G40 and W59.

CISC staff serve the Code Commission responsible for the National Building Code of Canada (NBCC) and several of its standing committees. CISC staff continue to serve the Standing Committee on Structural Design and the Standing Committee on Earthquake Design. Regarding the new Sound Transmission Class (ASTC) ratings introduced in NBCC 2015 for residential buildings, talks continue with potential partners for a joint effort to co-fund a testing programme and/or other means to achieve compliance with the new ratings.

CISC staff engineers also serve several provincial code committees and other committees including the Research Council of Structural Connections, AISC Specifications Committee and ISO Committee TC167.

### COMMON CODES AND STANDARDS FOR DESIGN AND CONSTRUCTION OF STEEL STRUCTURES

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1 CISC Handbook of Steel Construction - 11th Edition includes CSA S16-14, its Commentary, CISC Code of Standard Practice - 8th Edition (new), and design and detailing aids in accordance with CSA S16-14

2 3rd Printing of Handbook has been updated to reflect changes introduced in CSA S16-14 Update No. 1 released in Dec. 2016

3 Adopted in S16-14 by reference
In the 2018-2019 year, after consulting industry stakeholders on course formats that best fit their needs, we launched two new online webinars on topics of interest with much success. Led by leading industry experts, these courses included Industrial Building Design and Acceptable & Alternative Solutions for Fire Protection in Steel Structures. The CISC will continue to explore course topics on areas of steel industry interest and provide them on platforms that are suitable for engineers, architects, fabricators, detailers, erectors and other industry professionals. In doing so, we are ensuring our industry is equipped with accurate resources to build safe and sustainable steel structures across Canada.

The CISC is the steel industry’s source for advanced Canadian steel educational programs and resources for engineers, architects, educators and other steel industry stakeholders. Our education programs include continuing education/professional development courses, seminars and CISC accreditation programs. We offer a comprehensive portfolio including self-paced and live online courses for students, as well as practicing engineers, architects or other steel industry professionals and students.

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We offer a comprehensive portfolio including self-paced and live online courses for practising engineers, architects or other steel industry professionals and students.
STEEL COMMUNITY

Supporters help build the steel community

Our efforts in the 2018-2019 year has been focused on further establishing quality steel construction professionals and promoting innovative technical solutions to build a better tomorrow. We’ve provided over $100,000 in research grants and scholarships alone, including the G.J. Jackson award and the H.A. Krentz research award. We’ve hosted various student competitions and educator events to promote collaboration between industry and academia, as well as engage our future steel construction innovators. We’ve developed new industry-leading courses that identify and help solve industry obstacles, including the first-ever Structural Steel Fabricators Fitters course. Additionally, we continue our work at the CISC’s Steel Centre of Excellence at the University of Alberta to strengthen student development and provide mentorship opportunities.

The CISC’s Education & Research programs provide progressive educational activities and support industry-leading research advancements that address the specific needs of the industry, all while positioning steel as the building material of choice. We will continue to support the next generation of steel professionals through various programs and direct funding for research and education at leading Canadian educational institutions.

EDUCATION & RESEARCH COUNCIL

The CISC’s Education and Research Council (ERC) funds and directs the national education and research activities of the CISC. The ERC monitors and assists education and research activities in the CISC Regions, as well as provides advice and oversight of CISC Training operations.

“Without the support of CISC’s Education & Research programs, I would have not been able to pursue my doctorate in engineering. I was able to broaden my work opportunities in steel design and welding engineering.”

SUSAN GURAVICH
SKARBORN ENGINEERING
SCHOLARSHIPS & AWARDS

The CISC is committed to providing funding for engineering and architecture students who demonstrate a strong interest and commitment to studies related to steel construction.

Every year, CISC contributes $100,000 to national scholarships and $100,000 to regionally directed research grants, inorder to nurture the growth of the Canadian steel construction industry. Our support helps to guarantee that new research is constantly in development and ensures that our industry is always exploring innovative solutions.

2018 Award Winners

**G.J Jackson Award**

G.J Jackson Award winner with Bill McLachlan (right)

This award supports exceptional researchers, educators, and practitioners specializing in the design, fabrication and use of steel structures.

---

**H.A. Krentz Research Award**

Awarded to the principal researcher of the highest ranked proposal to support research on subjects judged to be of value in advancing the use of steel in construction.

---

**Lifetime Achievement Award**

Recipient with Terry Wilk (left)

The Lifetime Achievement Award recognizes the outstanding career of an individual that has made a significant contribution to the development, advancement, and success of the CISC and the Canadian steel industry over a sustained number of years.

---

I felt honoured when I won the G.J. Jackson fellowship to pursue my Master’s of Applied Science degree. Knowing that it was an award going only one graduate student at a Canadian University, I felt that my research was valued and important. With the support of my supervisor, Jeffrey Packer and with the support of the CISC, I felt I had the support of the steel industry to pursue my career interests in steel research.

MAURA LECCE

SENeca COLLeGE
2019 CANADIAN NATIONAL STEEL BRIDGE COMPETITION

Preparing young engineers to innovate, collaborate and efficiently build with steel

The Canadian National Steel Bridge Competition (CNSBC) challenges students with bright minds and competitive spirits to produce innovative ideas and to collaborate creatively. It’s a fun and competitive platform that gives young engineers the opportunity to develop a familiarity with steel products early on, learn from our experienced industry professionals and confidently apply their knowledge, and in turn, foster a successful career building with steel.

The Canadian Society for Civil Engineering (CSCE) and the Canadian Institute of Steel Construction (CISC) hosted the Canadian National Steel Bridge Competition (CNSBC), and for the first time ever, welcomed university teams from all across the world. The highly-anticipated fourth annual event was held at the École Polytechnique de Montréal in Montreal, QC, from May 16-18, 2019.

All participating teams put their best foot forward and developed creative and high-quality steel bridges. However, in the end, Ecole de technologie superieure proved to outshine the other 18 competing teams, ranking the highest overall score for the fourth year in a row. Hohai University placed second, University of British Columbia placed third, University of Puerto Rico placed fourth and Université Laval placed fifth.

We encourage all Canadian universities to not only participate in future competitions, but to come prepared to push the envelope even further. In order to maximize this experience, we’re urging all competing teams to find new ways to attain sponsorship and to utilize the wealth of resources that the CISC has to offer.

“We strive to provide engineering students with the opportunity to show the world their potential, bringing their skills and innovation into play. Our CSCE Student Competition Committee aims to promote engineering through competitions with future engineers.”

MARIE-PIER DIOTTE, EXECUTIVE DIRECTOR OF THE CNSBC OF THE CSCE STUDENT COMPETITIONS COMMITTEE
2018-2019 CISC ARCHITECTURAL STUDENT DESIGN COMPETITION

Inspiring young architects to explore the vital relationship between architecture and steel structures

The CISC hosted a total of 70 architectural students to participate in a unique competition that pushes the boundaries of the design process. Every year, we challenge students to unify concept with reality in order to broaden their understanding of structural steel design, in addition to stretching the limits of their architectural ideas, in order to prepare them to design with steel throughout their career.

Over the course of the last year, students collaboratively used what they have been taught in classrooms and applied it to this competitive project. The challenge was to create a pavilion solely made of steel, whose surfaces were to define a volume as well as a space.

Congratulations to the final three winners of the 2018-2019 CISC Architectural Student Design Competition, student teams from the University of Waterloo and Ryerson University!

"Anthropique"

This project's purpose was to raise public awareness of wetland conservation in the city of Montreal.

Award of Excellence
Ruotao Wang & Shengyu Cai
Ryerson University

"Wave Rider"

This project seeks to recreate the turbulent and dynamic surface created by waves on water.

Award of Merit
Owen Melisek & Silas Clusiau
University of Waterloo

"Framing History"

This project is about appreciating the raw beauty of the Notre-Dame that we cannot find anywhere else.

Award of Merit
Eugene Woo & Peter Song
University of Waterloo
PROFESSIONAL DEVELOPMENT & SUPPORT

Creating opportunities for young steel professionals to develop the right skills and pursue their passion to build with steel

The CISC is providing Canada’s most innovative educational programs and unique mentorship placements to support the future generations of our industry. Geared towards students who show a strong interest in designing and building with steel in their career, the CISC provides scholarship and networking advantages that will allow them to access early industry exposure and gain specialized experience in the workforce.

Structural Steel Management & Detailing (SSMD) Program

The CISC sponsors the scholarship program for the SSMD certificate course at Conestoga College, providing direct industry support for the first graduating class of its kind. Last year, 25 students enrolled in the SSMD course, giving students hands-on experience in the detailing, supplying, fabrication and installation of steel structures, with insight on management and the coordination of projects. The CISC awarded $10,000 to five selected scholarship recipients enrolled in the program. Additionally, a number of CISC Members provided work term placement opportunities that allowed students to create valuable industry relationships and establish a desire to build with steel throughout their career.

Structural Steel Fabricator Fitters Course

In partnership with Manitoba’s local construction industry, we launched the first-ever Structural Steel Fabricator Fitters course. Students received training over a 10-week period in both a classroom format, as well as in a hands-on environment at various CISC member locations. As a result, we graduated 10 new qualified steel fabricator fitters into the workforce with a strong skillset that will produce safer and more sustainable projects out of Canada’s steel construction industry. We aim to implement this course across Canada in the coming years to ensure that the needs of fabricator companies are consistently being met as the industry evolves.

“Our region’s locally developed Fitters course puts an exclamation point on our fabricators’ dedicated goal of constant ‘quality and efficiency’ improvement!”

GORDIE TUMILSON,
CISC MANITOBA/NW ONTARIO REGIONAL REPRESENTATIVE

46 CISC ANNUAL REPORT 2018/19
In the last year, the CISC Steel Centre launched a student-led consultancy, travelled to award-winning structures to learn first-hand from the engineers who designed them, and for the second consecutive year sent representatives to Bolivia to oversee bridge construction in a rural, isolated community. Students have been hard at work in their traditional academic roles as well, winning a number of prestigious scholarships—including the CISC’s GJ Jackson Fellowship and GL Kulak Scholarship. There are also numerous influential and innovative research accomplishments covering the areas of member stability, seismic design, modular processes, connection economy, etc., that are summarised on the Steel Centre’s website, steelcentre.ca.

While the numbers certainly demonstrate a strong and growing centre, the data that is harder to capture numerically is also some of the most intriguing. Students feel more connected than ever before to structural engineering, to the Faculty of Engineering, and to the industry at large as we form new partnerships and opportunities for meaningful mentorship. The Steel Squad, our flagship undergraduate program, has instilled real appreciation for the work that practicing engineers do, and is preparing students for the workplace in ways never before attempted. These connections with real-world engineering have captured the imagination of graduate students as well; based on student input, the Steel Centre made available several events for graduate student participation and there is a robust following from both the Master’s and Ph.D. level. With this year’s launch of the Steel Centre Certified certificate, we have a new way to target specific active learning and experience-based objectives and present that additional knowledge in a format that is understandable to industry and other institutions.

In November 2018, the Steel Centre took wing to the West Coast, visiting a number of notable steel construction projects and learning firsthand from the engineers and fabricators behind them. Students travelled to Vancouver and Seattle, partnering with firms in the area to get backstage access to the design and construction process for award-winning steel structures. First, in Vancouver, the group saw the fabrication process at Supreme Group’s facility. The following day in Seattle, Magnusson Klemencic Associates (MKA), the engineering firm behind the design, took the Steel Centre backstage to see the construction in progress and hear more about the design challenges in developing the SpeedCore system. The week’s events were overwhelmingly positive, and students have brought home a wealth of new ideas and inspiration.

Perhaps the past year’s most exciting initiative has been Steel Centre OutReach Engineering (SCORE), a student-run engineering consultancy devoted to innovative solutions to real-world problems in the field of structural engineering. The primary goal is to provide opportunities for students to develop technical and interpersonal skills, while assisting the Steel Centre’s industry partners (“clients”) to obtain solutions for challenging problems without being constrained by conventional practices.

Everyone at the Steel Centre is grateful for the continual support from the CISC, the Faculty of Engineering, and the University of Alberta community. The Steel Centre’s slogan is “challenge traditional boundaries”, and this year marks the start of an ongoing process to move engineering education and research beyond their traditional boundaries into a new, challenging, and innovative space.
Winning the G.J. Jackson fellowship was a critical ingredient in the founding success of my company, Cast Connex, which in turn benefits the steel industry through our promotion of structural steel as a building material of choice for architecturally exposed structures.

Michael Gray
Cast Connex
There is no simple or right way to approach how stakeholders receive and respond to an organization’s communications, especially in today’s ever-changing and evolving market. However, we can ensure that our communication efforts are not only innovative but are relevant to industry stakeholders. With that said, we have taken into consideration all areas of our communications and reassessed our strategic direction with the needs of CISC Members & Associates in mind.

This past year, we have enhanced our communication platforms significantly in an effort to better engage our membership and steel industry following. Our initiatives have been geared towards ensuring CISC platforms are informative, effective and valuable, yet increasing brand awareness with cohesive designs and messaging. This includes major updates to CISC websites that now provide easy access to technical resources, industry news, regional and national events, advocacy information, and important notices. We have also made key adjustments to our email marketing vehicles that allow us to directly convey valuable information more efficiently.

At the same time, we maintain a strong presence across all Canada through industry trade shows, seminars, conferences and social media. By doing so, we are able to promote and position steel as the building material of choice, while simultaneously protecting and growing the steel construction industry’s market share.

As we continue to make advancements in our communications efforts, we are enthusiastic to explore the areas of our strategic plan that we have yet to refine. This new approach will not only benefit our internal organization but provide resources that help promote success for steel construction businesses across Canada!
ADVANTAGE STEEL MAGAZINE

Exclusively keeping CISC Members & Associates at the forefront of the steel construction industry

Advantage Steel magazine is Canada’s leading industry publication showcasing ground-breaking steel projects, research and products/services that contribute to building Canada every day, exclusively by CISC Member & Associates. We have published three magazine copies in the last year that promote innovation and excellence in all aspects of the steel construction industry from across the country.

We want to hear from you!

We invite you to share your latest structural steel projects or ground-breaking research in the next issue of Advantage Steel magazine.

Contact info@cisc-icca.ca for more information.

Available Online

Advantage Steel No. 63

AS63 featured steel construction projects from across the country, observing the theme of Modernizing with Steel. This was the first issue of the newly proposed magazine that highlights CISC Education & Research initiatives all throughout the year, with the addition of an Education & Research News section.

Advantage Steel No. 64

AS64 showcased projects that embodied Building the Future with Steel. It included an update on federal and provincial prompt payment, research that promotes advanced steel construction processes, and CISC Steel Centre activities that helps to engage students interested in pursuing a career in steel construction.

Advantage Steel No. 65

In a continued effort to promote steel construction innovation, AS65 focused on steel innovation. This issue explores the all the creative ways steel can be used to revolutionize and bring life to our everyday activities. It includes the winning projects of CISC’s Architectural Student Design Competition and a unique steel sculpture that sits in the heart of downtown Toronto.
Advocacy Snapshot
Informing stakeholders on the challenges that plague the Canadian steel construction industry, alongside on-going updates on CISC’s advocacy initiatives in helping to find solutions for these issues.

Members & Associates Monthly Bulletin
Sharing exclusive industry news, events and technical resources for CISC Members & Associates, with a strong emphasis on keeping our membership connected and involved in industry, as well as company-wide activities.

Weekly Bulletin
Delivering weekly news breaks and event notices to help provide opportunities and resources that better position steel construction stakeholders for success in the Canadian industry.

New! Dynamic e-Newsletters
Ensuring Canada’s steel construction industry has direct access to recent news and events around the clock, providing valuable resources at the convenience of the reader. Visit the CISC website to access our e-newsletters on the go!

CISC MEMBERS & ASSOCIATES MONTHLY
The go-to source for Canada’s steel construction industry news, updates, and technical resources.

BEAMS WITH HOLE
Building beams with holes designed to support a variety of pipes, posts, columns, and other structural elements. Visit the CISC website for more information.

ADVOCACY SNAPSHOT
The voice for the Canadian steel construction industry.
CISC SOCIAL MEDIA

Social media is the CISC’s platform for collaboration, direct communication and implementing strategy. By increasing the CISC’s social media presence and activity, we are raising awareness and promoting steel as the number one building material of choice.

In addition to increasing our online presence on all social media platforms, we have recently introduced our social media wall on the CISC website in order to further collaborate with our followers and industry stakeholders while providing easy access to all our company messaging.
CISC PROMOTES STEEL CAREERS

The CISC is further championing the growth of the steel industry through career guidance.

CISC Steel Careers

The CISC encourages the exploration of all the different career opportunities in the steel industry, while highlighting the academic institutions that provide the right training for them. We are providing the tools necessary to support the development of high quality professionals, and in turn contributing to the future success of the steel industry.

CISC Job Board

The CISC Job Board is a platform that further complements the hiring initiatives of our Members & Associates. With over 16 million hits per year on the CISC website, we are amplifying our Members & Associates’ efforts in obtaining high quality candidates within the Canadian steel construction industry.

Skills Ontario 2019 Career Exploration Showcase

Career development event promoting the employment in Ontario’s skilled trades and technologies workforce.

Winnipeg Construction Association’s Career Expo

Career development event showcasing hands-on experience in a wide variety of skilled trades.
The CISC hosted our highly acclaimed Canadian Steel Conference in Halifax, Nova Scotia from September 19-21, 2018. We gathered over 250 senior executives and key industry stakeholders from across Canada to learn, build relationships, develop businesses and celebrate steel—while having fun!

Our technical program delivered a range of expert-led sessions covering popular topics and high-profile projects such as the Saskatoon Traffic Bridge, the Nova Centre and the Halifax Shipyard. We also extended our technical session topics to cover more aspects of the steel industry, including a special presentation on federal prompt payment legislation updates by Sharon Vogel, Partner at Singleton Urquhart Reynolds Vogel LLP.

We aim to provide the most valuable business development, technical and social networking opportunities for all steel industry stakeholders. In our integrated efforts to create event awareness and share important information, we have revamped the conference website, as well as updated branding and campaign designs to better engage attendees, delegates and trade show exhibitors.

2018 Attendee Demographics

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<th>Category</th>
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<tr>
<td>Steel Fabricators, Mill Producers, Services Centres &amp; Detailers</td>
<td>57%</td>
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<tr>
<td>Engineer Consultants</td>
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<tr>
<td>Other Key Industry Stakeholders</td>
<td>13%</td>
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<tr>
<td>Architect Consultants</td>
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</table>
TRADE SHOWS AND EXHIBITS

CISC continues to promote steel as the building material of choice while creating opportunities for CISC Members & Associates to network with the steel industry’s leading professionals and experts at conferences held across the country all year long.

The CISC exhibited at various architectural, engineering and construction-focused conferences throughout Canada to further promote all the possibilities of steel construction. While doing so, we were able to meet with a wide variety of industry professionals and stakeholders with an interest in the development of steel construction in Canada to create awareness and educate on the latest steel innovations.

MTQ Conference
Networking and educational event promoting safe building practices for steel bridge structures in Quebec.

Transportation Association of Canada 2018 Conference
Networking and educational event discovering innovative solutions for Canadian transportation.

Construct Canada
Networking and educational event for design, architecture and construction.

Canadian Society for Civil Engineering (CSCE) Annual Conference
Networking and educational event exploring the advancement of civil engineering knowledge

10th Intl. Conference on Short and Medium Span Bridges (SMSB)
Trade show exhibit showcasing the benefits of building steel bridges. CISC’s Quebec regional manager conducted a keynote presentation on behalf of the CISC.

CISC offers many opportunities for you to meet and learn from the industry’s best and brightest, and share ideas with your colleagues throughout Canada. It also gives you the opportunity to take part in countless national and regional events.
STEEL CONSTRUCTION NETWORKING & EDUCATIONAL EVENTS

The CISC is the organization providing opportunities that creates lasting connections, shares steel construction knowledge and innovative technology, as well as engages students and industry stakeholders.

We offer various events and speaking engagements across Canada, led by the steel construction industry’s leading professionals, in a continued effort to provide the best technical insight and networking opportunities to share ideas with new and old industry colleagues.

Creativity Has No Limits with Steel Castings

Hosted an all-day event focused on all the possibilities of designing, specifying, fabricating and welding with architecturally exposed structural steel (AESS), led by industry innovators.

Steel Design Forum

Invited steel industry professionals to share expertise and insight on the newest innovations of steel design and applications.

Keynote Presentation

Ed Whalen, CISC’s President & CEO, delivered a presentation for IMPACT to create awareness of industry challenges and updates, including steel tariffs, duties and modular construction.

CISC Lecture: Shirley Bloomberg on Evolving Practice

As part of the CISC’s lecture series we invited Shirley Bloomberg of KPMB Architects to showcase the benefits and use of steel, highlighting the ongoing developments in architectural practices.
CISC STEEL DESIGN AWARDS OF EXCELLENCE

CISC’s Steel Design Awards of Excellence is Canada’s most prestigious and highly esteemed steel award ceremonies, hosted in various cities throughout the country. Every year we welcome hundreds of project submissions and dynamic industry participation to celebrate excellence in steel design in various categories. While recognizing those who contribute to the success of Canada’s steel industry, including architects, design engineers and project teams, this exciting event allows us to connect with the leaders of steel innovation!

CISC Quebec Steel Design Award of Excellence

Hosted in Montreal, QC, we commemorated the contributions of the steel construction industry to the Quebec and Canadian economy with A Tribute to the Steel Industry – An Important Legacy for Quebec.

CISC Manitoba/NW Ontario Steel Design Award of Excellence

Hosted in Winnipeg, MB, we celebrated local steel construction projects with an emphasis on varying categories, all unified with the 2019 theme: Celebrating Our Past – Building Our Future.

CISC Alberta Steel Design Award of Excellence

Hosted in Edmonton, AB, we showcased exceptional steel design for projects in seven categories, recognizing excellence in steel design and promoting the exceptional benefits of building with steel.

View the winners at www.cisc-icca.ca/design-awards
SteelDay is an annual event held nationwide that showcases the versatility, performance and sustainability of steel, as well as its various innovative applications.

This year’s SteelDay was held on September 28, 2018 at several locations all across Canada. With over 1000 attendees and 14 hosts, we were able showcase how Canadian producers, service centres, fabricators and erectors contribute to our vibrant steel industry. Through various activities, such as tours, demonstrations, presentations and BBQs, attendees got to experience the exciting steel process for various types of projects from beginning to end, while promoting our Members & Associates.

A very special thank you to this year’s SteelDay hosts, Rapid-Span Structures Ltd., Gerdau, ACL Steel, Brunswick Steel, Coastal Steel Construction, Corrcoat Services, Daam Galvanizing, Lakehead Ironworks Inc., Pacific Bolt Manufacturing, Supreme Group and Conestoga College. Walters Group Inc. also hosted a virtual SteelDay on Instagram! We encourage all steel companies and academic institutions from coast to coast, as well as individuals with a steel passion, to find their unique way to celebrate our growing steel industry every SteelDay!

“We love Steel Day and do our best to get a few busloads of students in here to show them what [the steel industry] is all about!!”

– ACL Steel

“We are always pleased with the turn out and the desire to understand our processes. The attendees are able to ask questions and take education material back to their shop. We look forward to next year.”

– Daam Galvanizing (Saskatoon)
Every time the CISC holds an event of any kind, it is a pivotal moment for the CISC to deliver the message that advocates for the steel industry, all while sharing all of the great things that our Members & Associates conduct in their everyday business. With this, we increase brand awareness for the steel industry, while building lasting relationships with our Members & Associates, and the structural steel community.
2019/2020 UPCOMING CISC EVENTS & ACTIVITIES

October 2019
Research Grant Topic Submissions Open

November 2019
CISC Quebec Steel Awards of Excellence in Steel Construction
CISC Manitoba/ NW Ontario Red River College Steel Construction Seminar
G.J Jackson Fellowship Submissions Open
CISC Ontario Steel Design Awards

January 2020
CISC Research Grants Submissions Open

February 2020
CISC Manitoba/ NW Ontario Day at the Legislature
CISC Educators Forum
G.J Jackson Fellowship Winner Announced

April 2020
CISC Quebec Steel Industry Research and Innovation Conference

March 2020
CISC Manitoba/ NW Ontario Careers Day

May 2020
CSCE-CISC National Steel Bridge Competition
CISC Day on the Hill
Skills Ontario Young Women's Conference
CISC 2020 Research Grants Winners Announced
Architectural Student Design Competition Winners Announced
CISC Ontario Regional Golf Tournament

June 2020
CISC Ontario Steel Design Awards

July 2020
Manitoba/ NW Ontario Annual Golf Tournament

September 2020
2020 CISC Canadian Steel Conference
SteelDay 2020

October 2020
CISC Quebec Steel Symposium

November 2020
CISC Quebec Steel Awards of Excellence in Steel Construction
LIFETIME ACHIEVEMENT AWARD

ALFRED WONG, P.ENG

DIRECTOR OF ENGINEERING (RETIRED)
CELEBRATING 40 YEARS WITH THE
CANADIAN INSTITUTE OF STEEL
CONSTRUCTION

"I CAME TO THE CISC AS
AN ENGINEER AND I'M
LEAVING AS AN ENGINEER"

THE CISC IS PROUD TO PRESENT THE 2019 LIFETIME ACHIEVEMENT AWARD TO ALFRED WONG

Alfred Wong started his career as an engineer at the Canadian Institute of Steel Construction (CISC) in 1979. Since then he has worked tirelessly up the corporate ladder and has been the CISC’s Director of Engineering for the last 25 years. As of January 2019, Alfred has retired from the CISC, ending a remarkable career spanning 40 years.

Throughout his career, Alfred has provided leadership on innumerable projects and has contributed immensely to the steel design and construction industry, as well as to the CISC’s overall success. His involvement in projects that have pushed the boundaries in the innovation of steel buildings and bridges across Canada will continue to be celebrated by his colleagues and industry partners today and every day.

CONGRATULATIONS, ALFRED! TO A LIFETIME DEDICATED TO CANADA’S STEEL INDUSTRY AND TO THE CISC.

Alfred Wong, P.Eng retired as of January 2019. The CISC congratulate Alfred on his dedicated career in the Canadian steel construction industry and with the CISC, and we wish him all the best as he embarks in this new phase of his life!
2018–2019 BOARD OF DIRECTORS

EXECUTIVE COMMITTEE

Paul Mikolich  
*Chair*

**Todd Collister**, Supreme Group  
*Vice-Chair, AB Region*

**Laurier Trudeau**, Abesco Ltd.  
*Acting Past-Chair, MB Region*

**Ed Whalen**, CISC  
*President & CEO*

**Tim Houtsma**, Marid Industries Ltd.  
*ATL Region*

DIRECTORS

**Adam Nicolajsen**, Sperling Industries  
*MB Region*

**Zoran Radonjic**, Pittsburgh Steel  
*ON Region*

**Martin Lachapelle**, Lainco  
*QC Region*

**George Sze**, Wesbridge Steel Works Limited  
*BC Region*

**George Rabideau**, Atlas Tube  
*Steel Mill*

**Alden Prier**, Apex Structural Design Ltd.  
*Detailer*

**Tony Defina**, Russel Metals Inc.  
*Service Centre*

**Bob Thornton**, Samuel, Son & Co., Limited  
*Service Centre*

**Craig Martin**, CWB Group  
*Member at Large*

**Michael Holleran**, Canam Group Inc.  
*Education & Research Council Rep*

NATIONAL COMMITTEE CHAIRS

**Bridge Committee**  
**Todd Collister**, Supreme Group  
*AB*

**Education & Research Council**  
**Michael Holleran**, Canam Group Inc.  
*ON*

**Detailing & Software Committee**  
**Alden Prier**, Apex Structural Design Ltd.  
*AB*
MEMBER & ASSOCIATE PRODUCTS / SERVICES DIRECTORY

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<td>Acier MKY Fabrication Inc.</td>
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<td>Acier Robel inc.</td>
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<th>Company Name</th>
<th>Products/Services</th>
<th>Phone/Website</th>
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<td>AC Metal Fabricating Ltd.</td>
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<td>ASCII Metal Inc.</td>
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<td>Algoma Structures</td>
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### ALBERTA

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### M.I.G. STRUCTURAL STEEL INC.

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<th>Company Name</th>
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<tr>
<td>M.I.G. Structural Steel Inc.</td>
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<td>613-524-5537</td>
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<td>Mariani Metal Fabricators Limited</td>
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<td>416-798-2969</td>
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<tr>
<td>Mirage Steel Limited</td>
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<td>905-458-7022</td>
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<tr>
<td>Norak Steel Construction Limited</td>
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<td>905-669-1767</td>
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<td>Steelcon Fabrication Inc.</td>
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<td>Teleco Steel Works Ltd.</td>
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<td>519-837-1973</td>
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<td>Trade-Tech Industries, Inc.</td>
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<td>905-623-5060</td>
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<td>Tresman Steel Industries Ltd.</td>
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<td>519-795-8757</td>
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<td>Trevco Steel Ltd.</td>
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<td>519-833-9009</td>
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<tr>
<td>Victoria Steel Corporation</td>
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<td>519-737-6151</td>
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<tr>
<td>Volkraft Canada Inc.</td>
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<td>289-443-2000</td>
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<td>Walters Inc.</td>
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<td>Walters Inc.</td>
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<td>Abeso Ltd.</td>
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<td>Behlen Industries LP</td>
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<td>Capitol Steel Corp.</td>
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<td>204-889-9980</td>
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<td>Coastal Steel Construction Limited</td>
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<td>807-622-6300</td>
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<tr>
<td>Lakehead Ironworks Inc.</td>
<td></td>
<td>807-622-6058</td>
</tr>
<tr>
<td>Name</td>
<td>Address</td>
<td>Phone</td>
</tr>
<tr>
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<tr>
<td>Times Iron Works Inc.</td>
<td>Pickering, ON</td>
<td>905-831-5111</td>
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<tr>
<td>Payford Steel Inc.</td>
<td>Thunder Bay, ON</td>
<td>807-577-8455</td>
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<td>Times Iron Works Inc.</td>
<td>Pickering, ON</td>
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<td>Magnum Fabricators Ltd.</td>
<td>Kamloops, BC</td>
<td>250-374-9771</td>
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<td>Maple Industries Inc.</td>
<td>Chatham, ON</td>
<td>519-352-0375</td>
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<tr>
<td>NorthWest Fabricators Ltd.</td>
<td>Athabasca, AB</td>
<td>780-675-4900</td>
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<td>Old Timyer Welding</td>
<td>Orilla, ON</td>
<td>705-327-1964</td>
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Université du Québec à Chicoutimi, QC
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Northern College, ON
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