



MESSAGE FROM THE PRESIDENT

ROGER HUBBARD

I cannot believe we are into Spring of 2023 already.

I am pleased to share that the RSIC has been very active across the country this year. We've participated in four Trade Shows, held four dinner meetings for our membership, as well as celebrated our newly elected Honorary Members. On top of this, we have continued to be active with COCA, the Unions, and other levels of government on differing issues.

In late January, the Board of Directors met for a Strategic Planning Session in Ontario, and via Zoom for those that couldn't make it in person.

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Presidents Message continued...

Topics of discussion included:

- education and recruitment into the reinforcing steel trade
- the emergence of mass timber as a preferred building material
- Detailer Certification
- committee updates
- committee volunteer makeup and succession planning
- the implementation of a new Diversity, Equity and Inclusion Statement
- the emergence and need for Environment Product Declaration (EPDs)

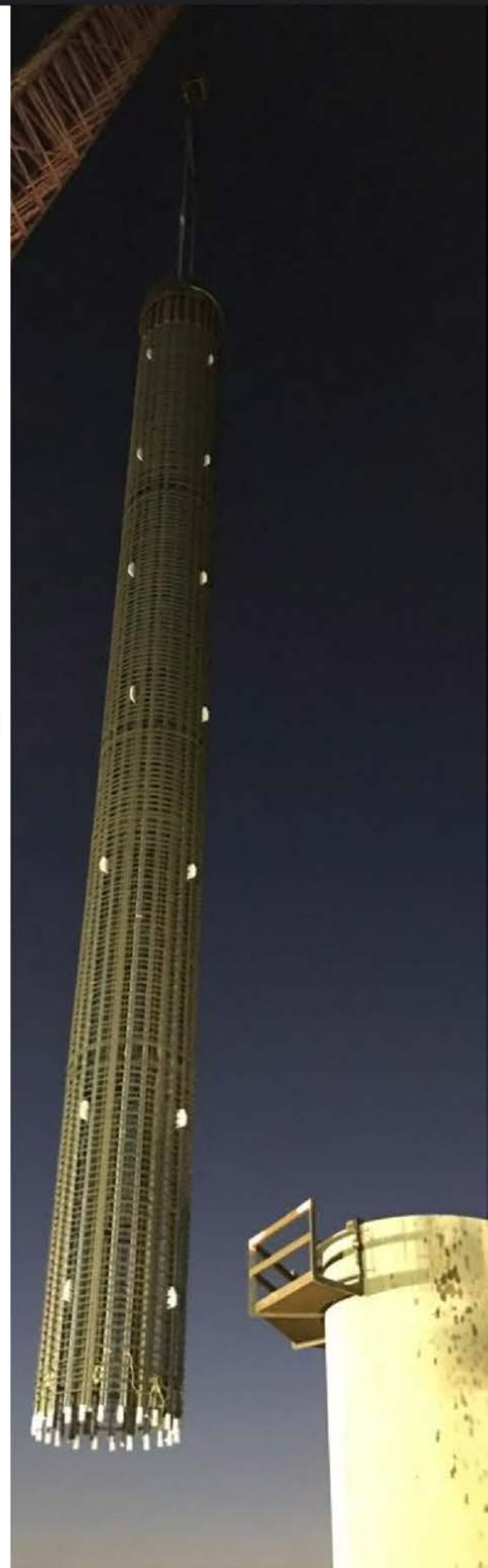
As always, our financial picture was reviewed in detail. We are proud to say that we are in good shape financially and look forward to being on budget this fiscal year.

The Board reviewed all of the committee members and now have co-chairs being named to each committee for succession planning purposes. We have had a lot of keen interest from members regarding joining a variety of the committees. If there are others looking to help out in any way, please contact us here at the RSIC.

An interesting and exciting new endeavor is just starting to gain steam. The RSIC is discussing the benefits of establishing an RSIC member specific/Canada wide Environmental Product Declaration (EPD). Consultants are currently being contacted and being interviewed. Once the process and requirements of this large undertaking are established, a membership wide Zoom Meeting will be held to layout the program to everyone. We're aiming for this to take place later this spring.

Another area of importance this year is the need and desire to have a Diversity, Equity and Inclusion Statement which reflects the RSIC's values as an organization. We're proud to announce the release of our new DEI statement, which can be seen on page 3.


I sincerely look forward to seeing everyone later this spring at the various Golf Tournaments across the country.




DIVERSITY, EQUITY & INCLUSION

A long overdue and necessary topic of discussion at the Strategic Planning Session held last January was the need for a Diversity, Equity & Inclusion statement which reflected the views of our Association. After much discussion, the Board is proud to announce the following as the RSIC's new DEI statement.


"The Reinforcing Steel Institute of Canada (RSIC) is committed to the principles of equity, diversity, and inclusion in all aspects of our organization. We believe we are stronger when we not only celebrate our many differences, values, and voices, but include them in practice. This means our organization will actively work to understand and remove barriers to equity and inclusion, be they systematic, physical, or otherwise."



DI-VER-SI-TY
All the ways in which people differ.



EQ-UI-TY
Fair treatment, access, opportunity, and advancement for all people. One's identity cannot predict the outcome.



IN-CLU-SION
A variety of people have power, a voice, and decision-making authority.



The Reinforcing Steel Institute of Canada's mission is to promote and support Reinforced Concrete as the most effective and efficient construction method.



Visit www.rebar.org to learn about the many CAREER OPPORTUNITIES within our industry.

MARKETING

CHRIS SEON

Your RSIC Marketing Committee has been busy as always helping to promote the RSIC and our mandate to support reinforced concrete as the most efficient and effective construction method.

We've placed multiple ads this year in several different publications across the country. We're currently running a couple of different messages in our advertisements. One of the most notable message we're sending is to bring awareness regarding the many career opportunities within our industry. In these ads we're directing the reader to our website where they can not only find information on the different positions in our industry, but also on all of our member companies.

Marketing continued...

With mass timber continuing to gain steam as a preferred building product for architects and owners, we're now creating a database of information to learn as much as we can about the product and its pros and cons. Once we have a solid understanding of the landscape, we plan on reaching out to other concrete related associations to discuss teaming up on an advertising campaign. This will ensure reinforced concrete is staying front and center with the right audiences.

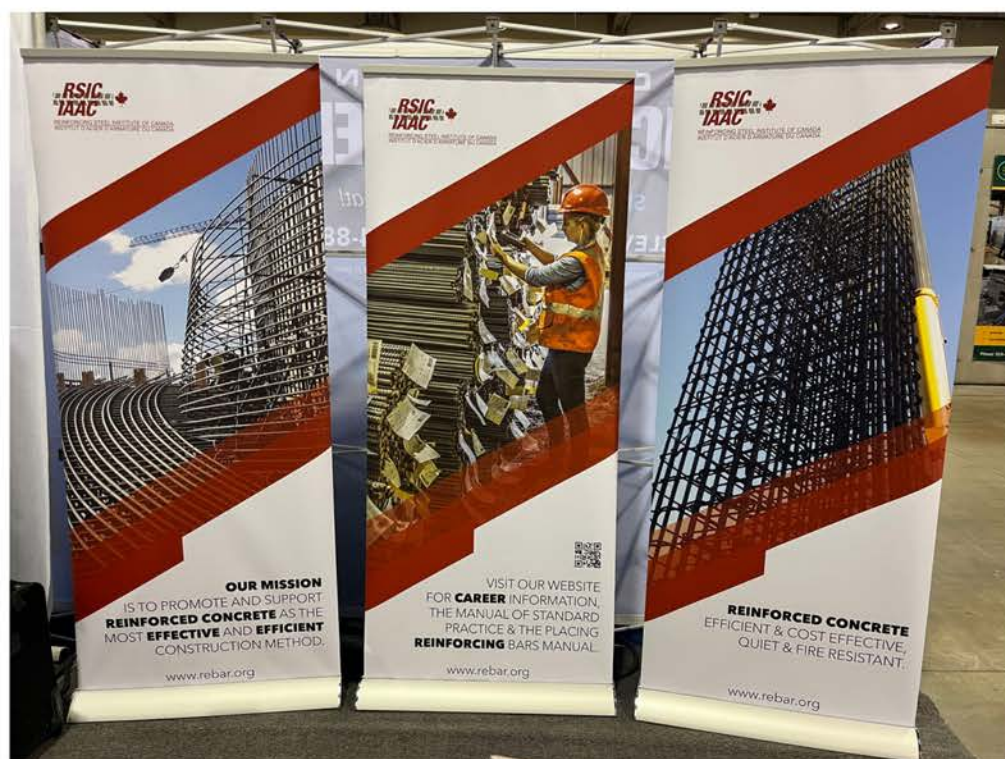
As mentioned in our Presidents Message, The RSIC's trade show activity this year has been great so far. We've seen a lot of interest in our industry and association and are continuing to stay in the spotlight at relevant events. So far we have attended the Buildex Calgary, Buildex Vancouver, The Builders Show Toronto and Concrete Expo Toronto. All four shows were successful with good attendance and great conversations.

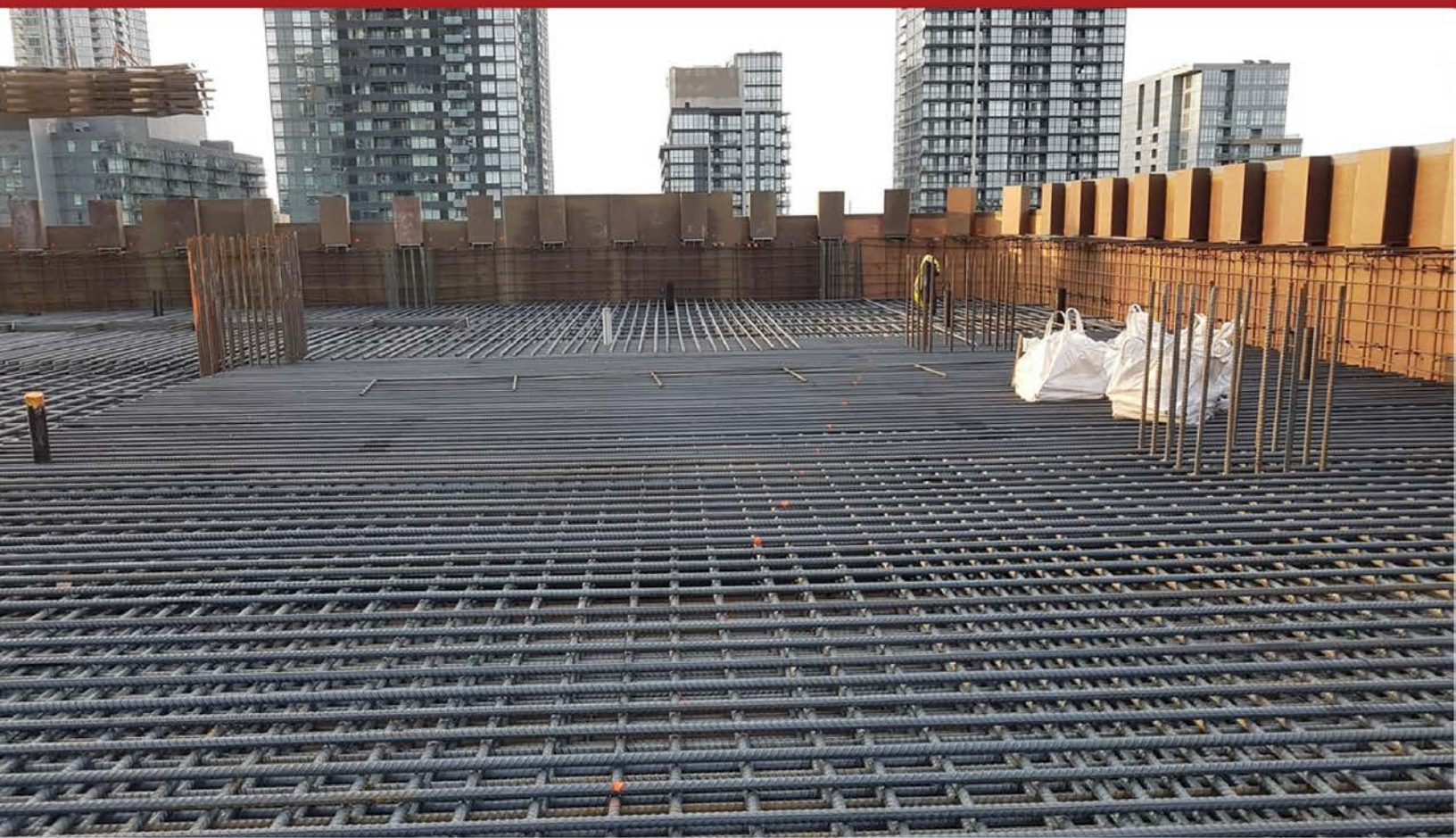
In order to stay fresh, we've produced 3 new booth pop-ups. Our pictures and messages are now updated and we've even included a QR code that booth visitors can scan at the shows to take them directly to our website!

We've been continuing to stay active on LinkedIn, posting information on upcoming events, interesting pictures and updates from the RSIC. If you haven't already, please follow us and help strengthen our footprint.

We hosted a great seminar at the Canadian Concrete Expo (see summary below) and will continue to look for the right opportunities to speak about our industry and products at events across the country.

Your RSIC Marketing Committee will continue to work hard to promote our Association and industry. Please stay connected and up to date at LinkedIn and on our website. Looking forward to seeing everyone soon at our many upcoming events.





EDUCATION & RECRUITMENT

DON SHAHAN

This has been an important topic of discussion for many years, however; with the current people power shortages and succession planning challenges many of our member companies are facing, the topic of Education and Recruitment for our industry is more important than ever.

To this end, the RSIC is exploring the option of creating a new Education Committee. The committee will have many action items to tackle, but its main purpose is clear – to help educate students at all levels across the country about the careers available within our industry.

The RSIC will be seeking to support and spearhead education with regards to the rebar industry at the collegiate level. Our belief being, if the students attending construction related courses are more robustly educated about rebar specific items, recruitment into our industry will follow suit. In turn, the overall health of our industry and the projects that we work on will be stronger.

One of the first action items being tackled by our committee members is to contact colleges across the country to attain information on what type of information is currently included in their curriculum with regards to rebar. Once this information is determined, the questions will include – can we provide more information to build a more thorough understanding? Can we attend classes, career fairs, or host seminars regarding our industry and the careers available? Can we provide literature to help teachers, professors and guidance councillors educate interested students about our industry?

Education & Recruitment continued...

We already have several volunteers from across the country who are eager to participate in this initiative. We have some interest from the Vancouver area and several people from Ontario, however; we're looking for help in Alberta, Saskatchewan, Manitoba and the Maritimes. If you're interested in learning more or potentially helping in any way at all, please reach out to Claudine Hubbard at rsio@rebar.org.

Another action item already in the works by the RSIC involves working together with our Rodworkers Union Locals, providing support and assistance in their effort to connect with the high school level for recruitment of trade personnel and education on our industry.

SOCIAL UPDATE

MEGAN KELLEHER

We are well into 2023 and we appreciated everyone who attended our Eastern and Western dinners in mid-February. With the Buildex Show in Vancouver and the Canadian Concrete Expo in Toronto, it was the opportune time to get together and reconnect early in the new year. The Eastern dinner was a casual and lively event held at The Chophouse. Our after-dinner entertainment featured a Mentalist named Paul Pacific. He showcased his mind-bending skills with full audience participation and left us completely confounded by how he pulled off his tricks. The Western dinner was held at the trendy Glowbal restaurant in downtown Vancouver and featured a discussion with the engineers from RJC.

Looking ahead to the warmer, active months of Spring, we're excited to offer our two annual golf tournaments this May. Leading us off this year is the Western Golf Tournament which will be held at the Mayfair Lakes in Vancouver on Tuesday, May 16th. The Ontario Golf Tournament will take place a week later on Thursday, May 25th at the TPC Toronto at Osprey Valley GC in Acton. Registrations for both events will be sent out soon. Get ready to grip it and rip it!

Planning is underway for the 2023 RSIC Annual General Meeting & Convention. Please save the date for September 14 - 17th, 2023. Our AGM will be hosted at the historic Fairmont Chateau Laurier in Ottawa, Ontario.



Buildex Vancouver



Social continued...

We're looking forward to another memorable weekend together alongside the backdrop of the nation's capital, the beautiful Rideau Canal locks, and the vibrant downtown core. It will be the 50th Anniversary of the RSIO (originating Ontario chapter) and we can't wait to celebrate this golden anniversary with you!

Finally, we'd like to welcome our two newest members to the Social Committee, Marco Desmarais of Arcelor Mittal, and Jake Bowen of Jebesen & Jessen Metals. They are joining our committee leader, Keith Baugaard (Salit Steel), Mike Brown (Alta Steel) and Megan Kelleher (Barsplice Products). As always, we invite all members to share your ideas for future events, locations, or activities with us!



Honorary Members Dinner.
Roger and George Sinkins
with inductee Cathy Eybel of
Nucor Harris



Honorary Members Dinner.
Roger Hubbard with inductee
Brad McFadden (Nucor Harris)
and Dan Rust



Honorary Members Dinner
Roger Hubbard with the Cohen family and Keith Baugaard
honoring Larry Cohen (not present) of Salit Steel



Eastern entertainment.



TPC Osprey Valley - Eastern Golf Tourney



Mayfair Lakes -
Home of the
Western
Canada Golf
Tournament



The Historic Fairmont Chateau Laurier in Ottawa, Ontario,
location for the RSIC AGM, Sept 14-17.



The Rideau Canal, Ottawa



Downtown Ottawa



TECHNICAL UPDATE

MARYAM REZAIE

First off, the Technical Committee is pleased to announce the addition of two new members, Miranda Qorri of Mansteel and Robbie Hall from HRC.

The committee has continued to meet regularly both virtually and in-person when it makes sense to do so.

The RSIC MOSP V5 is now published in English and French, with a note added to page 20 and page 69 to emphasize the importance of proper and safe securing of reinforcing steel during installation. Additionally, numerous codes and clauses were updated in the latest issue, including CSA G30.18:21, S413:21, and W186:21. We have also added a column to Table 2 on page 33 to show the Tensile Test Requirements for Grade 600W. These updates ensure that the manual remains up to date with the latest standards.

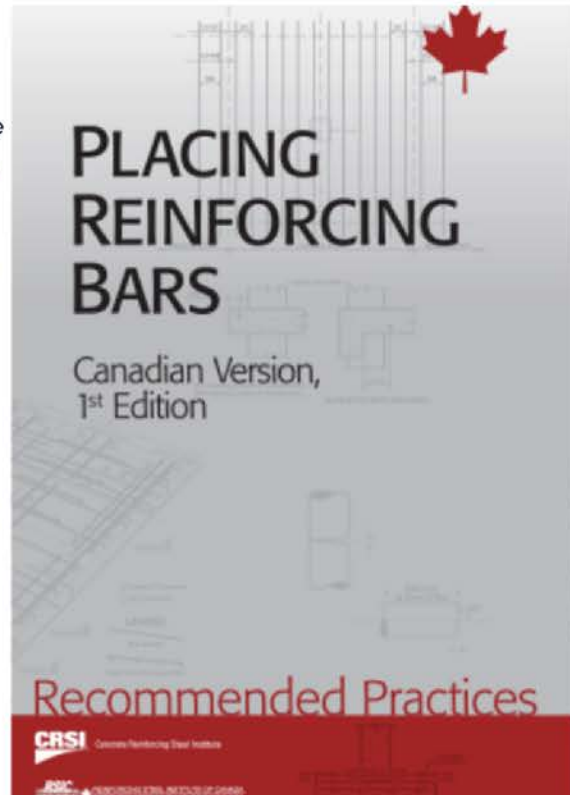
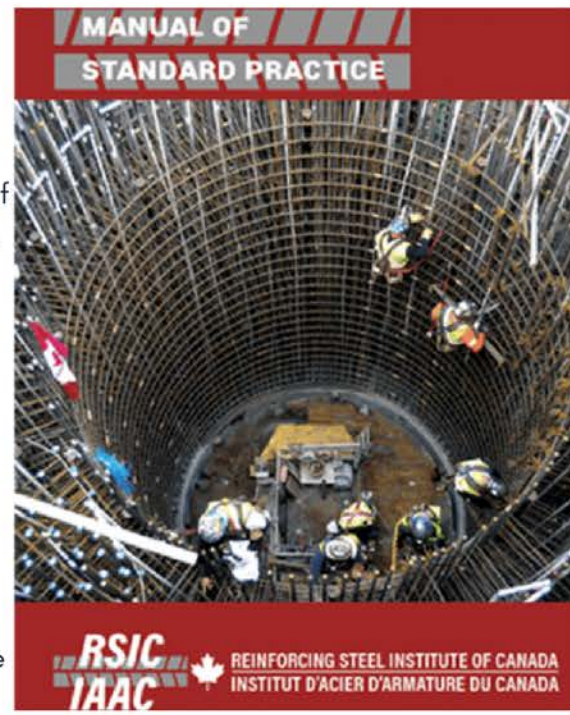
The committee conducted a thorough review of the "Guidelines for Inspection and Field Acceptance of Glass Fibre Reinforced Polymer (GFRP) Reinforcing." The questions from the technical committee and the answers from the MTO are now listed at the MTO Technical Consultation Portal, <https://tcp.mto.gov.on.ca/notice/000-0092>.

In response to concerns raised by engineers from Vancouver about shop drawings lacking proper attention to seismic hook requirements, the committee reviewed relevant sources and confirmed RSIC MOSP fifth edition V4 table 5D is correctly indicating 100mm Min for Seismic zones for stirrups, ties and hooks.

The committee is happy to report some progress on the previously raised concerns regarding the testing of mechanical connectors, specifically with respect to CSA G30.18-21, CSA S-6: clause 8.4.4.4, CSA A23.3: clause 12.14.3.4, and 21.2.7.3.1. Efforts are underway to improve the verbiage across the board, and the committee is pleased to have the involvement of Adam Lubell, who sits on S6, CSA 23.3, S413, and ACI, in this matter.

Looking ahead, the committee has several projects on the horizon. One key project is updating the pocket cards to ensure they reflect the latest codes and standards. In addition, the committee is planning to extend table 5D in the MOSP to include epoxy and galvanized stirrup hooks.

The biggest task on MOSP is yet to come which would be updating the manual to include the tables for high strength rebar. The committee recognizes the scale and the importance of this project and is committed to ensuring the manual is up-to-date and reflective of current industry practices.



THE CANADIAN CONCRETE EXPO

INTRODUCTION TO MECHANICAL SPLICES FOR REINFORCING BARS AND THEIR APPLICATIONS

During the Canadian Concrete Expo held February 16th and 17th at the International Centre in Toronto, the RSIC was proud to host a seminar on an Introduction to Mechanical Splices for Reinforcing Bars and Their Applications.

The seminar focused on providing an overview of the different types and applications of the many different mechanical splices for reinforcing bars. Our hosts discussed rebar splicing, when to use mechanical couplers, which couplers should be used in different scenarios, as well as the relevant code requirements surrounding the topic.

The seminar was very well received, with well over 40 attendees from a broad range of disciplines in the construction business.

We are very thankful to our hosts for representing the RSIC and fielding such a great discussion.



Left to right: Robbie Hall (General Manager - Headed Reinforcement Corporation), Sean van Rassel (Director of Business Development Engineered Products - Dayton Superior Canada Ltd), Fadi Younes (Territory Sales Manager, nVent LENTON), and Megan Kelleher (Canadian Sales Manager, Barsplice Products, Inc.)



You name it, we make it!

Different GRADES OF REBAR, Different REBAR COATINGS, and different APPLICATIONS

Call for different TYPES OF COUPLERS

Mechanical splices are available in:

- Black/Uncoated
- Epoxy-coated
- Hot-dip Galvanized
- Stainless Steel
- 100KSI

Splices are compatible for Grades 400 and 500 rebar & higher strength steel considered Gr. 600.

Comparatively, U.S. Grades 80, 100, 120.

BarSplice nvent LENTON DAYTON SUPERIOR HRC

Shear bolt splicing system

APPLICATIONS:

- New construction
- In-Situ repair
- Standard bar-to-bar
- Caging
- Closure pour
- Column splicing
- Piling
- Beams
- Protruding dowels

Why are Mechanical Splices Used?
(continued)

- Congestion Mitigation:** Alleviates difficult or impossible lap splicing in structures with dense rebar placement.
- Improves Structural Integrity:** Mechanical splices do not require bond with surrounding concrete to achieve strength thus removing tension load transfer in concrete.

Conversely, lap splices depend on concrete bond strength.

TYPICAL TYPES OF MECHANICAL COUPLERS / SPLICES / HEADS / DISC / TERMINATORS USED IN THE REINFORCED CONCRETE INDUSTRY

- STANDARD CONNECTION
- TRANSITIONAL CONNECTION
- FORMSAVER STYLE
- POSITIONAL CONNECTION
- WELDABLE CONNECTION
- GROUTED CONNECTION
- LOCK / SHEAR / BOLTED CONNECTION
- BUTTON, TERMINATOR, HEADS ETC....



Major Benefits of Using Mechanical Splices and Headed Anchorage

- Ease of Assembly
- Time Saving
- Constructability

Images showing various mechanical splice applications and details.

CSA A23.3:19 Structures

Section 21.2 Special provisions for seismic design — General

21.2.3 Mechanical splices

21.2.3.1 Mechanical splices shall be classified as either Type 1 or Type 2, as follows:

a) Type 1 mechanical splices shall comply with Clause 12.14.3.4.

b) Type 2 mechanical splices shall comply with Clause 12.14.3.4 and shall develop the minimum tensile strength of the spliced bar.

Note: See CSA G30.18 for determining the minimum tensile strength.

Key Points:

These requirements are comparable to ACI 318-19 Section 18.2.7.1 which defines Type 1 and Type 2 mechanical splices.

Type 1 splices are required to develop at least 125% of the specified yield strength of the spliced bars.

Type 2 splices are required to develop at least 125% of the specified yield strength of the spliced bars and 100% of the specified tensile strength of the spliced bars.

SAFETY UPDATE

ALAN PIDDINGTON

The RSIC Safety Committee is a collaborative network of reinforcing steel professionals committed to sharing best practices. Our quarterly meetings are structured with a General Discussion Topic, Regulatory Agency field or shop visits (eg. MOL, WSBC OHS), sharing of Shop or Field Incidents and, Round Table discussions to share best practices.

Our most recent committee meeting was held on March 14, 2023 where the topic of discussion was on mental health. Among other ongoing discussions, some key topics of interest were:

- different learning and assistance programs available
- recent field or shop visits have been focused on dowel protection and lifting bags
- shop and field incident discussions included a gantry crane derailment, improper rigging of a pre-fabricated column and material handling with a telehandler
- additional round table discussions included sourcing lifting bags, hot work assessments and the addition of new safety committee members

For further insight into the recent RSIC Safety Committee Meeting discussion topics, please request a copy of the RSIC Safety Committee Meeting minutes from Roger Hubbard and we'll send them over to you.

If you or someone in your organization would like to join the safety committee, please contact Roger and we'll get in touch.

