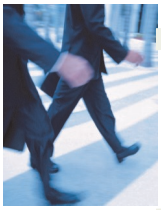

- Upcoming Meetings.....1
- Ontario Masonry Design Awards.....1
- 2014: Model Codes and CSA Standards Update— Gary Sturgeon—Guest Writer.....2
- CCMPA Mid-Year Meeting.....3
- University of Saskatchewan Update.....4
- CCMPA AGM & Golf Tournament.....5

Jan | 2014

Canadian Concrete Masonry Producers Association
Region 6 of the National Concrete Masonry Association

CCMPA Building Strength

Updates

ADDRESSING ISSUES AND CONCERNS OF THE CANADIAN CONCRETE MASONRY PRODUCERS ASSOCIATION

A monthly email will be forwarded to keep members informed of activities and important issues that are occurring. If you have some industry information you wish to share with CCMPA members, please forward it to the CCMPA Office by the 15th of every month.

What is CCMPA doing for you ?

Upcoming Meetings:
CCMPA Meeting
February 26th 2014–9:30am CMDC Office—360 Superior Blvd, Mississauga, ON
NCMA Annual Convention
February 6-10th 2014—Mission Hills, California
CCMPA Mid-Year
June 19-20th 2014—St. John's, NFLD
Annual General Meeting & Golf 2014
Thursday, September 4th, 2014, White Oaks Resort & Peninsula Lakes Golf Course

Ontario Masonry Design Awards (OMDA)
Masonry in Ontario has a long history and a bright future. It has a presence in our memories and our hopes, as well as being a tangible part of our everyday lives. Masonry provides the means to create architecture that is innovative, sustainable and secure. Vision, beauty and strength: these are characteristics that radiate from the finest masonry structures. It takes talented minds and hands working in harmony to bring great buildings to life. We believe that such excellence in design and workmanship deserves to be honoured. The Ontario Masonry Design Awards have been created in recognition of the amazing work we do in this industry. Please join us for an evening of celebration.

The second Ontario Masonry Design Awards will be held on Saturday, November 15th, 2014 at the Allstream Centre in Toronto, ON. The new website has been launched. http://www.ontariomasonrydesignaward.com
This event is sponsored by Ontario Masonry Contractors Association (OMCA) and Masonry Contractors of Ontario (MCAT). The lead sponsor of the event is CCMPA.

2014: Model Codes and CSA Standards Update

Gary Sturgeon, B.Eng., MSc., P.Eng. (Guest Writer)

Model Codes:

In October, 2013, the Canadian Commission on Building and Fire Codes (CCFBC) and the Canadian Codes Centre (CCC) invited users of the Code and construction industry stakeholders to participate in a national Public Review of the proposed changes to its 2010 National Model Construction Codes. These Codes included:

National Building Code of Canada 2010 (NBC)
National Fire Code of Canada 2010 (NFC)
National Energy Code of Canada for Buildings 2011 (NECB).

The Public Review process offers a nation-wide forum where anyone can review and provide comment on the proposed changes. All comments must be suitably considered by the Standing Committees responsible for code development and by the CCBFC. The outcomes from this review process will form the basis of the 2015 National Model Construction Codes.

The 2013 fall Public Review terminated in late December. The National Masonry Associations and its members provided technical comment to the CCC, and in particular, opposed those proposed changes to the NBC and NFC that, if approved, will permit the construction of wood structures (combustible construction) to a height of 6 storeys. The Codes Centre has received over 450 public comments pertaining to combustible construction. To address these comments, the Joint Task Group on Combustible Construction (JTCCC) will be holding meetings Feb. 10th, Feb. 18th, and March 25-27th. The recommendations from this group will then be sent to the various Standing Committees of the NBCC and NFC responsible for accepting, rejecting, or modifying the proposed changes. Masonry associations plan to monitor and participate in both the JTG and the Standing Committee discussions.

CSA Masonry Standards:

The technical development of the "big six" CSA masonry standards concluded in 2013, and all but CSA S304 have completed their public review process (a similar process to that for the NBCC).

CSA A370 has completed the Letter Ballot process, and the Chair and Vice-Chair are currently addressing these comments, apparently singularly received from CCMPA. Editorial comments can be easily dealt with, however, comments of a technical nature must be resolved, and if necessary, by the members of the A370 Technical Committee.

CSA A179 is now under Letter Ballot. CCMPA is currently reviewing the standard.

Both CSA A165 and A371 shortly will be under Letter Ballot, and both will be subject to the scrutiny provided by CCMPA.

All CSA standards will be completed in 2014, and in due course, will be referenced as the 2014 editions by the Provincial Building Codes, project specifications, and all construction documents.

Canadian Concrete Masonry Producers Association
Region 6 of the National Concrete Masonry Association

CCMPA
Building Strength

CCMPA Mid-Year Meeting St. John's NFLD

Thursday, June 19 th 2014
Meeting 8:30am—4:00pm
Lunch
Dinner at 7:00pm–
Friday, June 20th 2014
Meeting 8:30am—12pm
Lunch

Please start planning your itineraries. Our guest room block guarantees rates three days pre and post $249.00Double and suites available at the Murray Premise Hotel in St. John's.

To make a reservation please call the hotel directly at Murray Premises Hotel 1-866-738-7773 www.murraypremiseshotel.com

Email: npoole@murraypremiseshotel.com

Please advise M. de Souza info@ccmpa.ca of your attendance as well.

http://www.newfoundlandlabrador.com/PlanYourTrip/TravelBrochures?gclid=CMeD5KqPhrwCFe5aMgod-k8ATg

Canadian Concrete Masonry Producers Association

P.O. Box 1345
1500 Avenue Road
Toronto, ON M5M 3X0

Phone: 416-495-7494
Fax: 416-495-8939
E-mail: info@ccmpa.ca

There will be two days of meetings along with a tour of CP Masonry 's plant and a view of masonry architecture in St. John's . There will also be presentations by supplier members. Most importantly we will have a chance to meet the Eastern members and understand what the marketplace is about in Eastern Canada.

Newfoundland Labrador

University Update

DR. LISA FELDMAN, UNIVERSITY OF SASKATCHEWAN

Written by CMDC Staff: David Stubbs, B.Eng, P.Eng , Bennett Banting, B.Eng&Scty., Ph.D., E.I.T.

The Canadian Masonry Research Council, a partnership between the Canadian Concrete Masonry Producers Association (CCMPA) and the Canada Masonry Design Centre (CMDC), has provided financial sponsorship and in-kind contributions for numerous masonry research programs across Canada. This series of articles highlights the research programs that have been initiated across Canada. Today we look towards the centre of Canada's prairie provinces to Dr. Lisa Feldman, an associate professor in the Department of Civil & Geological Engineering at the University of Saskatchewan.

Dr. Feldman brought her expertise in the behaviour of reinforcement connections, splices and its bond characteristics within concrete construction into the world of concrete block masonry beginning in 2008. After noting that there was significant opportunity and need for clear and modern test data in this area of masonry research, she aptly moved to reinvigorate this field of study by applying state-of-the-art test methods and techniques to develop new and innovative solutions to the often overlooked but incredibly important issue of bond characteristics between concrete block, grout and rebar. The initial focus of Dr. Feldman's work has been with regard to the strength, bond and failure mechanisms of *adjacent cell non-contact lap spices* (which is in essence when rebar terminated in one cell of a wall is required to transfer forces to another rebar in an **adjacent cell** that continues up the wall height). To do this, Dr. Feldman has tested both small assemblages under pure tension but also large walls under bending, which better simulates the actual conditions of a wall placed in the field. For those more familiar with reinforced concrete construction, it is more common to use traditional *contact lap splices* (where two rebar are physically tied together to transfer forces) or proprietary mechanical splice devices; of which both techniques can be difficult to accomplish within masonry construction.

Same cell non-contact lap-splices (when both rebar transferring forces are in the **same cell** of a grouted concrete block, but not tied together) is much more common in masonry construction. This practice is currently permitted by the CSA S304.1, however, there are nevertheless situations where bars are placed (on purpose or accidentally) in adjacent cells but still need to function to transfer forces between them. In Dr. Feldman's work thus far, she has found that *non-contact splices in adjacent cells* can reduce total wall capacity compared to *tied contact* lap splices, however, much of Dr. Feldman's recent work has focused on remediation techniques that could be used to bring that strength back up. Some of the new techniques she is applying to masonry include using units with knock-out webs (to allow grout to flow better between adjacent cells), or using innovative "S" shaped bars that can bridge between cells. From a constructability point of view, Dr. Feldman's work will provide builders with a much greater flexibility in tough or irregular construction situations and will help in dealing with site-specific issues. In addition, her work will have an immediate and direct impact in the way current updates to the CSA S304.1 design standards are going to be framed. Historically, the reinforcement detailing portion of masonry standards have been derived directly from those used with reinforced concrete in a similar manner to many other aspects of masonry design. The concerns with such an approach is that engineers begin to lose sight of the fact that masonry is both constructed and behaves very differently from that of concrete. As within other areas of testing, there is a need to modernize masonry in the eyes of the designer and the architect and to continually push for new markets. The way forward to this is through solutions such as those being developed by Dr. Feldman, which will empower the contractor, satisfy the concerns of the engineer and grow confidence in masonry solutions to design challenges.

Dr. Lisa Feldman is one of the researchers currently being funded through the Saskatchewan Centre for Masonry Design (SCMD). SCMD is a prime example of the successes achieved through collaboration between Universities (University of Saskatchewan), government agencies (Natural Sciences and Engineering Research Council), local masonry associations (Saskatchewan Masonry Institute), nationally the concrete block manufacturers (CCMPA) and masonry contractors (CMDC). Although Dr. Feldman only began working with masonry in 2008, she has shown an aptitude and a drive for masonry research that is best illustrated by her international recognition and awards. Recent accomplishments include being elected a Fellow of the American Concrete Institute (ACI) and receiving an honorable mentioned for the Casimir Gzowski Medal from the Canadian Society for Civil Engineering (CSCE) for her paper regarding non-contact lap splices in concrete block masonry. She is the current chair of ACI Committee 408 (Development and Splicing of Deformed Bars). In addition to this, her students have also received recognition within the international masonry research community, with the Best Master's Thesis Award recently presented to Kawsar Ahmed by the Masonry Society (TMS) in 2011 and the receipt of the TMS Clayford T. Grimm PE Student Scholarship by student Roanne Kelln. With well over 100 engineering graduates to date coming from the University of Saskatchewan with training in masonry design and high quality, internationally recognized, research coming from the researchers and graduate students supported the long term prospects for masonry in Saskatchewan are looking good!

Canadian Concrete Masonry Producers' Association proudly presents
The Classic Golf Tournament presenting the John Grimo Cup

Thursday, September 4th 2014

Peninsula Lakes Golf Course

Golf format - best ball.
Your green fee includes:

- Golf
- Longest Drive & Closest to the Pin Competitions
- Driving Range
- Putting Green
- Halfway House beverages
- Dinner at the Resort

SCHEDULE

Breakfast	8:00AM
Meeting	8:30 AM
Bus Transfer	12:00PM
Golf Start	1:00PM
Cocktail Reception	6:00PM
Dinner	7:00PM

Peninsula Lakes Golf Course

4 1/2 Star Rating - Golf Digest
Designed by renowned architect Rene Muylaert, Peninsula Lakes was developed under a multi-stage plan. What was once the site of a large sand and gravel quarry, soon became one of the premier golf courses in Niagara, now boasting 27 championship holes.
Located in the heart of the Niagara Peninsula atop the escarpment, you will find impeccably groomed fairways and greens and sparkling lakes. Peninsula Lakes is a must play when visiting the Niagara region, just 40 minutes from Mississauga. This championship course is a treat for golfers of all levels, with 27 holes consisting of 3 distinct 9's (Quarry, Hillside and Orchard).

Charity?

Individual Golfers:

One-night stay, Golf & Dinner: $600 (+ HST)
Golf & Dinner only: $350.00 (+ HST)
Dinner only: $100.00 (+H ST)
Please sign up by August 4th 2014 otherwise the prices increase by $50.00