

- CONTENTS -

2011 Program	2
Advertising Information	2
Words from the Chair	3-4
In the Contract? (Humor)	4
Industry Organizations	5
Tech Notes:	
Evaluating a New Slag for use in Concrete	6-7
Education Report	7
Building of the Month	9
Advertising Rates & Info	9
Director's Report	10-11



Have an **IDEA** for the **Specifier** ?

We would love to hear from you!

Announcements, upcoming events, or technical articles are welcome and encouraged!

Any submissions for the Specifier can be emailed for review and we will do our best to get it into print. Deadlines are the last Friday of the month for the following month's newsletter.

Share your knowledge - **this is YOUR industry!**

Lori Elling, Newsletter Editor

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BREAKFAST MEETING

BC'S CONSTRUCTION OUTLOOK

Presented by Keith Sashaw, President
 Vancouver Regional Construction Association

What are the challenges and opportunities facing the construction industry in 2012? Keith Sashaw, president of VRCA, will review what happened in the last year and provide some insights into the issues and trends that will impact BC's Contractors, Manufacturers and Suppliers.

How is the VRCA adapting to changes in the construction industry?
 How the Vancouver Regional Construction Association has become involved in sustainability initiatives in the office and on the job site.

Agenda: 7:00-7:45 am—Breakfast (buffet style)
 7:45-8:00 am—Chapter Business
 8:00-9:00 am—Guest Speaker Presentation

Location: Sandman Inn, 180 West Georgia, Vancouver
 (through the restaurant at the back of Moxie's)

Cost: \$32.00 for pre-registered CSC Members / Association Exec. Directors
 \$48.00 for guests and CSC members who have not pre-registered.

Register Online or complete and return the attached Registration Form.

Parking: **Sandman Hotel Parking:** Enter off Cambie Street, pass the Sandman Hotel Breezeway, underground parking to the left, press buzzer to access parkade and take elevator to restaurant level. *Cost is \$1.25 per 15 minutes.*
Easy Park: Across the street on the corner of Georgia and Cambie Streets. *Cost is \$1.50 per 30 minutes.*

Skytrain: Exit at Stadium-Chinatown Station. Walk 2 minutes.



Note that our monthly meetings are approved for an educational unit credit by AIBC and are conveniently scheduled at breakfast so as not to conflict with normal business hours.

Register online at <http://vancouver.csc-dcc.ca> or fill out the form here

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Executive 2010-11**

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2011 PROGRAM

*All Meetings are (U.N.O.):
7 am Breakfast
Sandman Inn, Vancouver*

OCTOBER 6

**LESSONS LEARNED: LIVING BUILD-
ING CHALLENGE**
Max Richter, MAIBC, LEED AP

NOVEMBER 9

Vancouver Construction Fair:
“Simple But Revealing”
*A focused look at manufacturers’, sup-
pliers’ and distributors’ products within
the Vancouver market.*
8:30am - 4pm, Wall Centre

NOVEMBER 17

**“Getting to Green” from a Contractor’s
Perspective**
*Susan Hildebrand, GSC, LEED AP,
Scott Construction Group*

DECEMBER 15

BC’S Construction Outlook
Keith Sashaw, President, VRCA

JANUARY 19

**Hot Topics - A Compendium of the Lat-
est Legal Issues Arising in Construc-
tion Specifications**
*Marina Pratchett, QC, Fasken Martineau
DuMoulin LLP*

FEBRUARY 16

**Improving Sustainability with
Portland Limestone Cement and
Pervious Concrete Pavements**
*Bryan Russell, LEED AP BD+C
& Rob Asquith, Lehigh Concrete,
and Todd Kruszewski, PEng, MBA,
Director of Market + Technical
Affairs, CAC*

MARCH 15

Prefab Design and Construction
*Oliver Lang, MAIBC, Lang Wilson Prac-
tice in Architecture Culture*

APRIL 19

**The Architectural Woodwork Stan-
dards - Answers for Specification
Writers and Design Professionals**
*Jim Taylor, Principal,
Seagull Enterprises*

MAY 17

**UBC Faculty of Pharmaceutical Sci-
ences / Centre for Drug Research and
Development**
*Bill Uhrich, MAIBC, HCMA
Saucier + Perrotte Architects and Hughes
Condon Marler Architects*

MAY 23-27

**OTTAWA, ONTARIO
CSC NATIONAL
CONFERENCE 2012:
“REFLECTIONS”**

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WORDS FROM THE CHAIR



Tis the season!

Hard to believe 2011 is almost over, it's been a fast one!

We have had a great 6 months since our AGM in June where we had our "un-cruise, general meeting & a fun party but never left the dock! September, was our Spec Golf tournament where a good time was had by all, October at our breakfast meeting we had Max Richter tell us about Lessons Learned in Pursuit of the Living Building Challenge, November brought us our 1st annual, CSC VANCOUVER CONSTRUCTION FAIR, "Simple but Revealing", plus at our breakfast meeting we had Tyrel Sutton of Flynn Canada Ltd tell us all about Getting to Green and the Excellence in Sustainable Construction

Since June we have had 11 new members join our association. Please keep encouraging your colleagues, clients & co-workers to join us.

We ran the CTR Course, the Specifier 1 course & the PCD course.

This January 2012 we will be running the CCA course. Please look on our website for more details & encourage your colleagues & co-workers to sign up. <http://vancouver.csc-dcc.ca> We presented a BCIT student with a CSC scholarship in the amount of \$750.00.

As we plan for the **2012 CSC VANCOUVER CONSTRUCTION FAIR** event we really would welcome your feedback what we did good & what we can do better, please email Beverley at bdarling@specworks.ca

Please sign up for our Dec 15th Breakfast meeting; **BC'S CONSTRUCTION OUTLOOK**

Presented by Keith Sashaw, President, Vancouver Regional Construction Association. Keith will review what happened in the last year and discuss What are the challenges and opportunities facing the construction industry in 2012 will be! Last year we donated the proceeds of \$310.00 from our

continued on next page...

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...Words from the Chair, continued

50/50 draw to The Vancouver food bank, let's see what we can do to beat that total this year! Please bring your business card & 10.00!

Wishing all the best this season has to offer!

Melodie Schwartzman, CTR
CSC Vancouver Chapter Chair



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INDUSTRY ORGANIZATIONS

DIVISION 01: GENERAL REQUIREMENTS

Construction Waste Management – BuildSmart

<http://www.metrovancouver.org/buildsmart/>

DIVISION 02: EXISTING CONDITIONS

Demolition / Deconstruction – BuildSmart

<http://www.metrovancouver.org/about/publications/Publications/dlctoolkit08web1.pdf>

DIVISION 03: CONCRETE

Cement Association of Canada

<http://www.cement.ca/>

Canadian Precast Concrete Institute

<http://www.cpci.ca/>

DIVISION 04: MASONRY

Masonry Institute of BC

<http://www.masonrybc.org/>

Masonry Institute (American)

<http://www.masonryinstitute.com>

DIVISION 05: METALS

Canadian Institute of Steel Construction

<http://www.cisc-icca.ca/>

DIVISION 06: WOOD, PLASTICS, & COMPOSITES

Architectural Woodwork Mfrs' Assoc.

<http://www.awmac.com/bcchapters.php>

Western Red Cedar Lumber Association

<http://www.wrcla.org/>

DIVISION 07: THERMAL & MOISTURE PROTECTION

Roofing Contractors Association of BC

<http://www.rcabc.org/>

BC Sheet Metal Workers Associations

<http://www.smacna-bc.org/>

DIVISION 08: OPENINGS (DOORS, WINDOWS)

Steel Door Institute

<http://www.steeldoor.org/>

Canadian Steel Door Manufacturers Assoc

<http://www.csdma.org/>

Door Hardware Institute

<http://www.dhi.org/>

Glazing Contractors Association of BC

<http://www.gca-bc.org/>

DIVISION 09: FINISHES

Association of Wall and Ceiling Contractors of BC

<http://www.awccbc.org/>

Gypsum Association

<http://www.gypsum.org/>

Master Painters Institute

<http://www.paintinfo.com>

Carpet and Rug Institute

<http://www.carpet-rug.org/>

National Flooring Covering Association

<http://www.nfcaonline.ca/>

National Wood Flooring Association

<http://www.nwfa.org/member/>

Terrazzo, Tile and Marble Assoc. of Canada

<http://www.tmac.com/>




market research	green building consulting	post occupancy evaluation
policy development	integrated design process	training & education
business consulting	energy modelling	
cost analysis		

TECH NOTES

Evaluating a new slag for use in concrete

Reprinted with permission from the National Research Council Institute for Research in Construction www.nrc-cnrc.gc.ca/irc



Test material is a glassy black slag before grinding for use in concrete.

Millions of cubic metres of concrete are produced in Canada each year, consuming large quantities of coarse aggregate, sand, and ordinary Portland cement (OPC). There is growing interest in finding alternatives for these materials for both economic and environmental reasons. While supplementary cementing materials (SCMs) have been used for many decades as partial replacements for OPC, new sources of replacement

materials, such as alternative SCMs and alternative aggregates, will be needed.

Well-cured concrete test cylinder at the moment of failure; a test used for innovative concrete specimens.

With regard to alternative SCMs, one possible source is by-products of industrial processes, such as the residual material from a new plasma-assisted waste conversion technology. This by-product is water cooled to produce a glassy black slag. Since a key goal of the technology is that no remaining material is sent to landfills, the NRC Institute for Research in Construction (NRC-IRC) was asked to evaluate the slag for use in concrete.

A preliminary analysis indicated that the slag had oxide chemistry very similar to that of blast furnace slag (BFS), a widely used SCM. This result suggested that the test slag could be evaluated for use as an alternative SCM. As large volumes of an alternative SCM need to be produced to make it economically attractive to the construction industry, NRC-IRC proposed that the slag also be evaluated for use as a fine aggregate.

Go to [NRC's website](#) to see a video of the concrete testing and results.

Researchers investigated the chemical behaviour of the test slag produced under five different operating conditions and compared it to a commercial BFS. They then ground the slag to the same size as the commercial product and evaluated it using a variety of tests. The results showed that the slag had similar properties to the BFS. It was consistently amorphous and had oxide content similar to that of the commercial slag. Key elements of chemical performance, including its pozzolanicity (ability to react with the calcium hydroxide in hydrated cement), its hydration behaviour when blended with OPC, and its ability to provide resistance to detrimental alkali-silica reactions, were all comparable to commercial BFS.

These promising results led to a second stage of testing, in which the researchers examined the performance of the material in mortar and concrete samples (see video). They measured the compressive strength of three samples of each in which 10, 20 and 50% of the OPC was replaced with the test material. Early curing time strength results showed similar performance to a commercial BFS.

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...Evaluating a new slag for use in concrete... continued

In parallel tests, the researchers ground the test slag to the size distribution of ASTM standard sand and mixed it into mortar and concrete samples made with OPC alone, so that the slag's performance as sand could also be evaluated. They found the performance of the ground slag sand to be similar to an ASTM sand.

The researchers are now conducting further tests assessing freeze-thaw action, alkali-silica reactivity, and longer-term strength. Final results will be available in Fall 2011.

For more information about this research or the testing of materials for use in cement and concrete, contact Dr. Jon Makar at 613-993-3797. Information about the plasma-assisted waste conversion process may be found at: <http://www.zerowasteottawa.com/en/>.

EDUCATION REPORT

Congratulations to the fall 2011 Technical Representative (TR) course participants. A very successful course with four new graduates on their way to become Certified Technical Representatives (CTR) after their panel presentations in January.

The Education Committee would like to thank TR course Administrator and Instructor Glenn Chatten of Specworks Consulting Inc. as well as guest speaker Melodie Schwartzman for helping the students understand the concepts of being great technical representatives and making this course a success.

In the new year we are pleased to offer the Construction Contract Administration (CCA) course starting on Monday January 16th(tbc) and running for approximately 14 weeks. Registration is limited so do not wait to get your registration forms sent in. Course fees are \$650+HST for members and \$750+HST for non-members.

CSC Vancouver Chapter's proposed education schedule for 2012 is as follows:

- January – CCA
- April – PCD
- September – Specifier I

If you or your colleagues have any interest in taking these courses with us, please let us know by contacting our Education Officer, Spencer Todd at spencer.todd@stantec.com



ANNOUNCEMENTS

National Energy Code of Canada for Buildings 2011 to be published this fall. The energy efficiency of new buildings in Canada will improve significantly thanks to the National Energy Code of Canada for Buildings 2011 (NECB), scheduled to be released on November 18, 2011.

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ANNOUNCEMENTS
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We are pleased to announce that the Vancouver Chapter has a balance of \$14,511 in the BCIT Endowment Fund, which is working hard towards the purpose of Specification Writing education. The Chapter awards an annual \$750 bursary to a graduating student, which is generated, in part, from the interest from this working \$14,500 asset.



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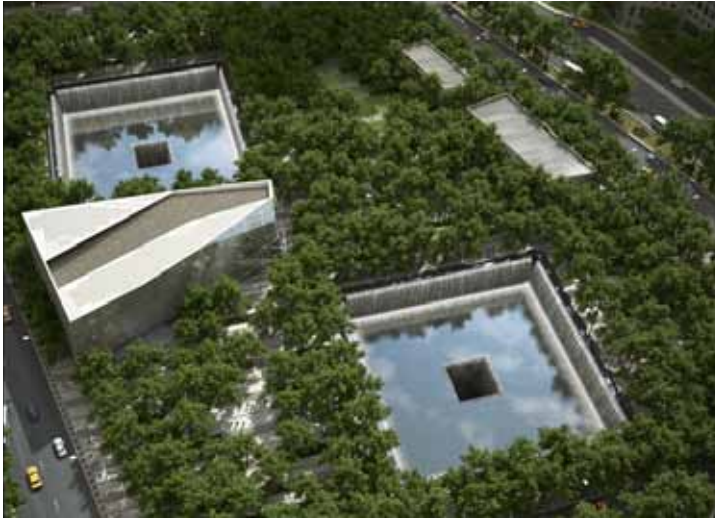
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BUILDING OF THE MONTH

NATIONAL 9/11 MEMORIAL AND MUSEUM

The heart of the re-building effort is the National 9/11 Memorial and Museum, which features two large waterfall pools — exactly where the twin towers stood — and a meditation park.



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Advertising: Newsletter & Web

Advertising with us will provide you with the opportunity to reach readers within the industry through the newsletter and on the CSC Vancouver website.

Size	Members	Non-Members
1/4 page	\$45	\$60
1/2 page	\$80	\$100
Full page	\$140	\$175

You will receive advertising space on the second page of the Specifier and on the CSC chapter website. The ad will be placed in one issue of the Specifier and reside on the website for one month. Ads must fit on one page only and are not limited to copy content or visual features.

If you are not sure whether the Specifier would be an appropriate tool for you, please email me with your questions. If you would like to advertise, or have any questions, please let me know. All advertising content is subject to pre-approval by the responsible CSC Committee.

Director’s Report to Vancouver Chapter Board

November 22, 2011

I am pleased to offer this summary of our most recent Board of Directors’ Meeting held on September 24 and 25.

Membership/Chapter Development/Communications

Membership is again down this year by 87 members nationwide over this time last year. On a more positive note, the Vancouver Island chapter has 22 members and is planning on offering monthly meetings, holding a trade show and is about to start publishing their first newsletter. In addition, both the GrandValley and London chapters are doing some rebuilding with the help of our National Association. There will be a membership drive again this year. The drive starts November 1 and goes through to February 24. Anyone who sponsors a new member during this time period will be entered for a draw. The top incentive will be an Apple 64 GB iPad. There will be four other prizes. New members will be eligible for a draw for free conference registration and a \$500 travel voucher.

There will be an increase to membership fees by \$25 for the first time since 2008 (it will now be \$235).

We have been reminded that the standard official CSC logo should be displayed prominently at the top left hand corner of all promotional material, correspondence and electronic communications. It should also be noted that the bottom of page shall include both the English and the French text for the name of the association – not one or the other.

Lastly (and with a “yay!” on my lips, there will be eight Construction Canada magazines published this year in English and two Le magazine Construction for an increase of three issues total! This means that we could use more technical non-proprietary articles. These are welcomed from both members and non-members. If you would like further information, please contact me and I’ll put you in touch with the right people.

Education

The Certified Specification Practitioner (CSP) Subcommittee is looking for 2 new members preferably an RSW and a CTR. Here is the breakdown for Education amongst the various chapters and for the on-line versions (January 1 through September 1).

Chapter	PCD	CCA	TR	Specifier 1	Specifier 2
Atlantic	3				
Calgary	19				
Edmonton	27				
Montreal	13				
Regina	17				
Saskatoon		20			
Toronto	1	20			
Vancouver				8	12
Vancouver Island	10				
Winnipeg (workshop)		3			
Online (January to May)	30	N/A	6	N/A	N/A
Online (June to August)	34				
Designations	CTR	RSW	CSP	CCCA	
	8	1	3	8	

Please note that CSC will now be obtaining the online students’ consent to their names and contact information for passing along to each chapter for follow-up (e.g. membership, TR board exam, further educational opportunities locally). Generally, online courses are run as follows: PCD in September and January and only in summer if demand warrants it; TR in January. Specifier 1 has no time schedule as yet but will be assessed in future.

Specifier 1 Online is being offered for the first time as a beta course currently and has 10 students.

There are no plans currently to develop CCA and Specifier 2 into online courses. However, a plan to revamp the current Specifier 1 exam is being developed.

Strategic Planning

Our association's strategic plan will be reviewed in March 2012 for minor changes. I have attached it for your information.

Conferences/Legislative/Awards

Our next conference (May 23 – 27, 2012) will be held in Ottawa. In 2013, we head to Calgary. Here is the next few years laid out.

2012	Ottawa	2015	Winnipeg
2013	Calgary	2016	Fredricton?
2014	Kitchener	2017	???

We have announced our intention to pursue the conference in 2017 as has Edmonton. We will need a strong presentation to win it so any help would be appreciated.

Technical Studies

It is always hard to sum up the vast amount of work and developments for which our Technical Studies team is responsible. Here are brief descriptions:

Tek-Aids

Final editing has begun for the Environmental and Division 00 Tek-Aids. The Masonry suite of Tek-Aids is being revised.

CCDC

The French translations of CCDC 45/46 (Guides to 5A and 5B) are underway. CCDC 3 (Cost Plus Contract) and CCDC 14/15 (Design Build Contracts) Consultative Draft scheduled to be completed mid-November. CCDC has decided to explore the possibility of issuing separate documents for the province of Quebec to take into account the civil code instead of the common law.

Other Activities

The Manual of Practice is at the beginning of revisions.

CSC and CSI are working together on the Multiple Work Package Task Team (MWPTT) to produce a guide that will present best practices and advice for managing projects with multiple work packages. This task team will probably complete its task in a year.

CSC continues to have representation and leadership in Omniclass, BuildingSMART Data Dictionary, International Construction Information Society (ICIS), Construction Industry Terminology Initiative Task Team (CITITT), MasterFormat, and Section-Page Format. Note that the latter is being translated into French.

CSC continues to take a forward looking role in the development of BIM and international committees to advance the coordination of construction information globally.

Marketing

The Marketing Committee unveiled its "Share the Experience" and "I AM CSC" campaigns at Conference 2011 in Montreal.

The Marketing Committee will be coming to do a presentation for us at some time in the near to medium future.

College of Fellows

The College of Fellow has redeveloped their submission guidelines so that all candidates can be evaluated easily.

The next Director's meeting will be in March 2012.

If you want any further information about the activities of CSC nationally, please contact the undersigned.

Kelly Sawatzky

Director, Vancouver Chapter