



The Toronto Specifier

Series 39, Edition 4, December 2011

Content Co-ordinator: Steve Ioannides

Editor: Lori Brooks

2011

September 13

Union Station Revitalization Project

October 4

Ontario Painting Contractors Association

November 28

ULC Facility Tour

December 6

CSC/Ontario Glass & Metal Association Joint Meeting

2012

January 10

Wind Uplift Resistance

February 7

Economic Outlook

February 24

4th Annual Curling Bonspiel

March 5

No Frills Trade Show

April 3

Zinc Panels

May 1

Retaining Walls/ACM

August

Annual Golf Tournament

CSC (Construction Specifications Canada) is a non-profit association committed to the ongoing development and delivery of quality education programs, publications and services for the betterment of the construction community.

CSC/OGMA JOINT MEETING

date: Tuesday, December 6, 2011

topic: **WHAT IS SAFETY GLASS?**

This presentation will explore the history of glass standards in Canada and will provide an overview of the current applicable codes and standards.

(See page 5 for more details.)

speakers: David Thompson, Manager of Building Envelope Services, Halcrow Yolles
David Wittenberg, Structural Designer, Halcrow Yolles

location: Toronto Skating Curling and Cricket Club
141 Wilson Ave., Toronto (1 block east of Avenue Rd.)

time: 17:15 Cocktails
18:00 Dinner
19:00 Presentation

cost: \$40 members
\$50 non-members
\$55 at the door (cash or cheque only)
\$200 for booklet of six dinner tickets (members only)

reserve: Click [here](#) to reserve online or visit www.csctoronto.ca for more information. Questions? Contact Donna Fournier at 1-888-494-9350.

info: Steve Gusterson, CTR 416-456-1321

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Bi-annual Tradition

In December, the Toronto chapter holds its bi-annual joint meeting with the Ontario Glass & Metal Association (OGMA). This will be the fourth of its kind and



Steve Gusterson
Chair

some of you may remember past speakers who educated us on such things as curtain wall design, how glass is made and the changing standards on windows. If you were there in December 2006, you will no doubt remember Fluffy the Maine Coon.


Being in the industry for my entire career, glass and metal associations are near and dear to my heart. I'm currently a Director at Large for the OGMA and sit on the technical committee for the Canadian Glass Association (CGA). Both associations contribute immensely to the architectural glass business.

The Ontario Glass & Metal Association was founded in 1990, the phoenix arising from the ashes of the Metro Toronto Glass Association of the 1970s. The association strives to represent the glass and glazing profession, directed primarily towards the industrial/commercial/institutional segment. Besides providing educational seminars and social/networking events, the OGMA also undertook a substantial project in 2006 when, in conjunction with the Architectural Glass & Metal Contractors Association (AGMCA), they created the *Ontario Glazing Systems Manual for Specifiers*. The association is also noteworthy for its donations to local charitable organizations, such as veteran's facilities and women's shelters, and has a special passion for children's charities. Visit www.ogma.ca for details.

I'm very proud to be a contributing member of CSC, the OGMA and the CGA and look forward to a long and fruitful co-operation with all of these respected associations.

This is my last article for the calendar year and with the holiday season upon us I would like to take this opportunity to wish all readers of *The Specifier* a Happy Christmas, Hanukkah, Kwanzaa, or whatever you may have to celebrate or commemorate, if nothing more than the winter solstice.

Finally, for those that have been waiting for the next installment with bated breath... here's this month's excerpt from the 1924 *Ontario Highway Traffic Act*.
Part II REQUIREMENTS AS TO EQUIPMENT
10. - (2) No motor vehicle shall carry on the front thereof more than three lighted lamps of over four candle power; and additional lights displayed on the front... of such vehicle shall be green in colour only and of not more than four candle power.

Man, don't you just hate it when people approach you from the opposite direction with their full four candle power right in your eyes? 

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The Promise

I recently attended a dinner meeting hosted by the Ontario Building Envelope Committee (OBEC). In addition to enjoying a great presentation by building scientist Joe Lstiburek, an article in the most recent publication of their newsletter, *Pushing the Envelope*, was brought to my attention at the meeting. I read this article and thought it was very interesting. I would like to share the article with you here in *The Specifier*.

The topic of this article is “The Promise,” an oath that creates an ethical duty to protect the rights of future generations. This was first developed in 2009; I am not sure how many of you know about this. I would urge you to read this, and visit PTFG.org, the website for A Promise to Future Generations, for more information about how you can make a difference. The most recent Industry Signing Ceremony took place at the Greenprint Conference in November, but the continued efforts of the steering committee will continue to help educate the industry and allow individuals to consider the long-term consequences of their actions today. I thought this was very interesting and hope that you do too. ✍

A Promise to Future Generations: Update

By M.F. Touchie, E.S. Tzekova and K.D. Pressnail

In the Fall 2010 issue of *Pushing the Envelope Canada*, readers were introduced to “The Promise” — an oath that creates an ethical duty to protect the rights of future generations. “The Promise” has come a long way since the first signing ceremony two years ago. The third annual signing ceremony took place this past June at the University of Toronto, and for the first time, industry members joined graduating students and academic staff in signing “The Promise.” When first developed in 2009, “The Promise” was an oath intended to be taken by graduating engineers. It was designed to promote the recognition of the rights of future generations and to encourage engineers to respect those rights. However, “The Promise” steering committee soon realized that in order to make a significant impact and to drive change on a larger scale, all people, including those in the industry, should be encouraged to sign on.

As word of “The Promise” has spread, the organizers of this initiative have been invited to speak at a number of industry events. With the gracious support and encouragement of members of the board of directors of the Ontario Building Envelope Council, the organizers are now focusing on educating industry members about values of “The Promise.”

To facilitate the education process and to better manage the growth in popularity of “The Promise,” the organizers have developed a website: PTFG.org. This website has allowed for the automation of “The Promise” registration process. But it will be much more. The group would like to develop an online meeting space where signatories can share ideas and success stories,

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Russell Snow
First Vice-Chair



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Welcome New CSC Members

Please welcome the following new members to the CSC Toronto Chapter:

Alan Coulter
Coulter Contracting Ltd.

Mohammad Mehdi Fazili
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Chris Grant
International Paints

Paul Locke
E.I. du Pont Canada Company

Bob McDonald
Akzo Nobel Coatings Ltd. Canada
(International Paint)

Claudia Rutigliano
Situra Inc.

Amanda Sousa
Situra Inc.

Gus Varlokostas
Adelphia Enterprises Ltd.

Andrew Zammit
Posi-Slope Enterprises Inc.

We also wish to say "welcome back" to the following members who have rejoined:

Brian Greer
Brian Greer's Tin Ceilings, Walls and Unique Metal Work

Isaac Walter
Falbo Aluminum Systems Ltd.

Don't forget to order your name tag for only \$12.00!



Stacey Bogdonaw
Membership Officer



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December 6, 2011 Dinner Meeting

CSC Toronto Chapter/Ontario Glass & Metal Association Joint Meeting

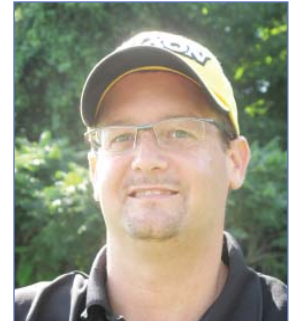
WHAT IS SAFETY GLASS?

This presentation qualifies for self-directed OAA credits.

Glass is a fundamental aspect of modern architecture. Its use has skyrocketed in recent years due to an unrelenting goal to achieve greater and greater transparency. Many of the ways that glass is used today were not considered possible when many of the Canadian codes and standards were first developed. Until the codes and standards are further developed, a certain amount of ambiguity will exist when it comes to properly specifying glass products that meet the demands of modern architecture.

The prevalence of glass has also led to a certain amount of complacency regarding its safety. “Safety glass” has become so wide spread that people take for granted the risks associated with this brittle product and the consequences of its breakage. This has been demonstrated recently with high-profile instances of glass breakage in cities around the world. Many of today’s standard practices, while code compliant, carry a great deal of risk that is not often fully understood.

The discussion will look at the history of glass standards in Canada and will provide an overview of the current applicable codes and standards. The speakers will explain what the term “safety glass” means in Canada and what the risks are that are associated with it but that are generally not well understood. Finally, they will explain how to manage the risks associated with glass and provide suggestions about how to specify glass products that will actually meet the project’s requirements.



Bruce Hudson
Program Committee Officer



Chris Hunter
Program Committee Officer

SPEAKERS:

David Thompson, Manager of Building Envelope Services, Halcrow Yolles

David Thompson has been active in the construction industry for 34 years beginning his career in the Architectural Design profession. Near the turn of the century his focus became more directed to the design and development of the building envelopes, which coincided with him joining the Yolles (now Halcrow Yolles) Building Envelope Service group. While in this group he co-founded a group of engineers and technologists whose primary focus was to understand the structural capabilities of glass and how to best utilize this material in specialty structures. David and the team were behind the design and construction of the observation boxes projecting from the 103rd floor of the iconic Sears tower (aka Willis tower) in Chicago, as well as numerous other glass features throughout North America. David became a principle at Halcrow Yolles and with this role took on the management of the building envelope services where he has worked on many projects throughout the middle east, Asia, Europe and North America.

David Wittenberg, Structural Designer, Halcrow Yolles

David Wittenberg is a structural designer currently working in the Structural Glass and New Façade department of Halcrow Yolles. He specializes in the structural analysis and design of specialty projects that are primarily made of glass. Recent projects that he has been involved with include a glass pedestrian bridge located in the lobby of the Ritz-Carleton, Toronto; a glass pedestrian bridge and glass roof located at The Core Shopping Centre, Calgary; and The Ledge observation deck located at the Willis Tower, Chicago. More recently, he has been involved in advising glass contractors on the design of unique glass projects with a focus on ensuring that the elements are designed to meet the applicable code requirements.

2011-2012 Dinner Meeting Sponsors

Date	Sponsor	Sponsor	Sponsor	Sponsor
September 2011	Flextile Ltd.	Vintage Brick Ltd.	Exterior Technologies Group	
October 2011	Vintage Brick Ltd.	Boston Valley/ETG		
December 2011	Alumicor Ltd.	ASI Watrous, Inc.	Alpolic/ETG	
January 2012	Kalzip/ETG	Owens Corning	Atlas Roofing	Firestone Building Products
February 2012	Exterior Technologies Group	Kingspan Insulated Panels	Henry Company Canada Inc.	available
April 2012	Vintage Brick Ltd.	Altro Floor and Wall Systems	available	available
May 2012	W.R. Meadows	Vintage Brick Ltd.	available	available

2011-2012 Door Prize Sponsors

Date	Sponsor	Sponsor	Sponsor
September 2011	Reed Construction Data	Chicago Metallic	Flextile Ltd.
October 2011	Reed Construction Data	Chicago Metallic	Alumicor Ltd.
December 2011	Reed Construction Data	Chicago Metallic	Firestone Building Products
January 2012	Reed Construction Data	Chicago Metallic	Firestone Building Products
February 2012	Reed Construction Data	Chicago Metallic	Firestone Building Products
April 2012	Reed Construction Data	Chicago Metallic	Firestone Building Products
May 2012	Reed Construction Data	Chicago Metallic	Firestone Building Products

Dinner meeting sponsorships available

Become a dinner meeting sponsor for only \$195, which includes a table-top display prior to dinner, one free dinner ticket and a one-page marketing insert included in that month's *Specifier*.

Contact Russell Snow by email at rsnow@wrmeadows.com to arrange your sponsorship.



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We're all working together, for the betterment of the construction industry — right? Okay, let's get out there and invite an architect or a specifications writer to our monthly CSC Toronto chapter dinner meetings. Yes, I realize some of you have been inviting architects and/or specifiers to our monthly dinner meetings for quite some time now, but clearly most of us are not following the lead of a few business-savvy sales representatives out there! Please do not wait for our annual roofing dinner meeting, curling bonspiel, fun night or golf tournament to invite an architect or specifier.



Steve Ioannides
Content Co-ordinator

I would like to thank each of you very much for your support. However, although your support is very much appreciated, I humbly request you fit us into your schedule periodically throughout the entire meeting season, attending meetings accompanied by an architect or specifier guest. ✍



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IIDEX/NeoCon Canada 2011

IIDEX/NeoCon Canada 2011 attendance — said to be Canada's largest trade show for the built environment — held steady at 15,000 on Sept. 22 and 23 at the Direct Energy Centre at Toronto's Exhibition Place.

Awards Gala 2011

Ontario's ARIDO Awards were celebrated at an annual gala dinner that was held on the eve of IIDEX/NeoCon Canada. The gala was hosted by ARIDO President,



Susan Tienhaara
Interior Design Officer

Eliisa Petersen and Honorary Chair, Richard Newbury and brought together more than 765 interior designers, architects, media and industry to celebrate the 30 award-winning projects in 11 categories. This year's winners included projects of international scope, including ones from

Paris, France and Washington, D.C.

Yabu Pushelberg received the Project of the Year award, a firm not modest in its self-acclaim, for the project Printemps Haussmann (retail).

Students impress at IDC's 5th Annual Student Design Charrette

An IIDEX highlight, this year's Student Charrette gave students an opportunity to showcase their drawing and planning skills rather than focusing on their building and construction talents seen in past Charrettes. "Off the Wall" gave students a blank hotel floor plan, paying homage to IIDEX's focus on hospitality, and three key words in an envelope. Eight Canadian schools participated with teams of five students: Algonquin, RCC, Ryerson, Fanshawe, La Cite, Sheridan, Georgian and OCADU. The Florida International University travelled from the Sunshine State with three team members, making the total number of schools participating nine. The scores were extremely close, but in the end the

team from Algonquin was crowned with first place followed very closely by RCC in second and Ryerson third.

IDC and IIDEX host a Hockey Tournament with a Twist in Support of Ronald McDonald House

IDC and IIDEX/NeoCon Canada teamed up to help Ronald McDonald House Toronto raise the remaining \$2 million of their \$32-million-dollar fundraising goal for

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IIDEX/NeoCon

Cont'd from Page 8

the construction of a new facility by hosting the edge-of-your-seat chair hockey tournament. The two-day tournament gave IIDEX attendees the chance to support their favourite team through donations to Ronald McDonald House Toronto. Money raised through sponsorship, team fundraising, toonie toss, silent auction, and Toronto Marlies ticket sales garnered a grand total of nearly \$30,000!

Winners of IIDEX/NeoCon Canada Innovation and Booth Awards announced

Celebrating outstanding achievement in new product designs for the built environment, winners of the annual IIDEX/NeoCon Canada Innovation Awards were announced. This year, 51 products were recognized for their innovative designs. Organized by Interior Designers of Canada, this annual awards program recognizes the best of North American product design from leading manufacturers and suppliers within the fields of interior design and architecture.

Interior Designers of Canada appoints new representatives at Annual Meeting

Interior Designers of Canada announced the appointment of three new directors to the IDC board of management at its Annual Meeting, held September 23. IDC welcomes incoming association president Donna Assaly of Assaly Interior Design Inc., alongside two new directors.

Having successfully completed his 18-month term as IDC President, David Hanson of Gustafson Wylie Architects Inc. will assume the role of IDC Past-President. David Gibbon of Callaghan Letellier Wiens Gibbons Facility Planning & Design Inc. has been elected to the role of IDC President-Elect, leaving his role as Secretary/Director at Large. Dorothy Stern, professor of interior design at Algonquin College, will begin her two-year term as Director of Education along with Rachel Clarida, RA Design, who will be taking on the role of Director at Large. Meanwhile, Past-President Jenny

Mueller-Garbutt, MQN Interiors, will be taking on the role of Chair of the Board of Governors.

IDC's Export Mission to India: A Post Mission Report

Ten IDC members, along with IDC Executive Director, Susan Wiggins, travelled to India to explore opportunities for working in the region. The Mission was offered as part of the Global Opportunities for Associations (GOA) program of the Department of Foreign Affairs and International Trade (DFAIT) and took place from September 26 to October 5. The visit to India marked the third export mission that IDC has offered to members, with prior missions to the UAE and China.

In India, the members split their time between Mumbai and Delhi. In each city, Susan Wiggins had organized numerous meetings including a key meeting with the Canadian Consulate on the first day. This is the most important meeting when attending a trade mission. Local representatives of the Canadian government are there to help Canadians interested in doing business in the region. In each city, the presentation covered the current economic climate, the potential for opportunities in interior design and an overview of the process and protocol for working with Indian businesses.

Upcoming Events

IDS12 Interior Design Show - January 26 to 29 2012: Connecting the right people with the right product in the right place.

The Interior Design Show is Canada's largest contemporary design fair. Since the doors first opened in 1999, IDS has been visited by over 500,000 design professionals, design-savvy consumers and media; it has served as a design industry hub providing a unique and unrivalled business opportunity for thousands of design-forward businesses. Each year world-renowned designers and architects participate as keynote speakers and create inspiring feature exhibits. Located in the city of Toronto, Canada's economic engine, IDS provides an annual catalyst for millions of dollars spent on design; and has helped significantly to place Toronto on the design map. 

The Promise

Cont'd from Page 3

stay abreast of issues related to “The Promise” values, and seek advice from like-minded colleagues on how to better protect the rights of future generations. The site will also provide some tools to assist with spreading the word. For example, “The Promise” kit is a collection of documents designed to facilitate the creation of events to raise awareness of “The Promise” in different organizations, which can currently be accessed by e-mailing the group at promisetofuturegen@gmail.com.

“Spreading the word” often means finding a champion within various firms. Identification of an organizational champion is essential to success. To date, champions within organizations like the Toronto Construction Association and GENIVAR have emerged naturally as proponents who are passionate about protecting the rights of future generations and who are excited about modifying the ways in which we approach our decision-making.

So how can you make a difference within your own organization? Although our individual contributions may seem small, collectively we can bring about change. Protecting the rights of future generations is really a human rights issue and Bobby Kennedy saw how individuals can collectively bring about change in the way we view human rights.

“It is from numberless diverse acts of courage and belief that human history is shaped. Each time a man stands up for an ideal, or acts to improve the lot of others, or strikes out against injustice, he sends forth a tiny ripple of hope; and crossing each other from a million different centers of energy and daring, those ripples build a current which can sweep down the mightiest walls of oppression and resistance.” *Robert Kennedy, 1966*

What began as a modest idea is growing and is becoming a current of change in the way we view the rights of future generations.

The challenges that humanity faces today are complex and often interrelated. In order to make more responsible decisions, collaboration between people of different backgrounds and professions is required.

“The Promise” is one way to change the way we approach decision-making because by signing “The Promise,” an individual becomes ethically bound to consider the long-term consequences of their actions.

If every signatory does all they can within their own sphere of influence to make the world a better place, together we can make future generations proud.

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Winter Course Line-up



Emily Chau
Professional Development
Officer

The Principles of Construction Documentation and Specifier 2 courses are quickly drawing to a close with students preparing for the final exams. As we complete the fall term, CSC is preparing registration for our winter courses. This term, CSC is offering Construction Contract Administration, Specifier 1

and Technical Representative courses.

These courses will be presented provided they have full enrollment. For now the dates and locations listed below have been confirmed.

Construction Contract Administration

The Construction Contract Administration (CCA) course is designed for those individuals involved in construction administration. This includes contract administrators, property managers, architects, engineers, interior designers, specification consultants, building authorities, and bonding and insurance agencies. The student will have successfully completed the Principles of Construction Documentation course.

This program will be held at the Fairview Public Library, located at 35 Fairview Mall Drive. This course is scheduled to commence on Monday, January 9, 2012 and will run for 14 weeks ending on April 2, 2012.

Specifier 1

Specifier 1 is an intermediate level course that will take the individual beyond the concepts previously introduced in the Principles of Construction Documentation (PCD) course. Although some of the same topics are included in this course, the depth of comprehension and explanation exceed that of the PCD course. The Specifier 1 course is a prerequisite for the Certified Specification Practitioner (CSP) designation from CSC. Successful

completion of the course may be credited toward the experience component requirements for the Registered Specification Writer (RSW) designation.

This program will be held at the Fairview Public Library, located at 35 Fairview Mall Drive. This course is scheduled to commence on Wednesday, January 11, 2012 and will run for 13 weeks ending on May 2, 2012.

Technical Representative

The Technical Representative (TR) course will provide a better understanding of contract documents and bidding procedures, product representation, professionalism and ethics, and will provide a new depth of understanding and explanation of concepts beyond what was previously introduced in the PCD course. The course is designed for the individual involved in the supply section of the construction industry, such as manufacturer representatives, agents or distributors of products.

This course will be held at 120 Carlton Street, Toronto starting on Monday, January 9, 2012 and will run for 16 weeks ending on April 30, 2012.

Registration Information

Course details, including location, costs and schedule of dates and times can be found on pages 22-23.

Visit <http://toronto.csc-dcc.ca/Education/Education+in+Toronto> for more information or to register. Register early to avoid disappointment.

Please remember that registration and payment must be received prior to the issuance of a text book. All cancellations must be in writing. All cancellations are subject to a cancellation fee of \$40.00. Cancellations one week prior to the start of the course will be refunded up to 50 per cent of the registration fee. Cancellations after the start of the course will not be refunded.

If you have any questions about the courses listed above, please contact Emily Chau, Professional Development Officer at 416-499-3181, ext 1155 or via email at echau@morrisonhershfield.com.

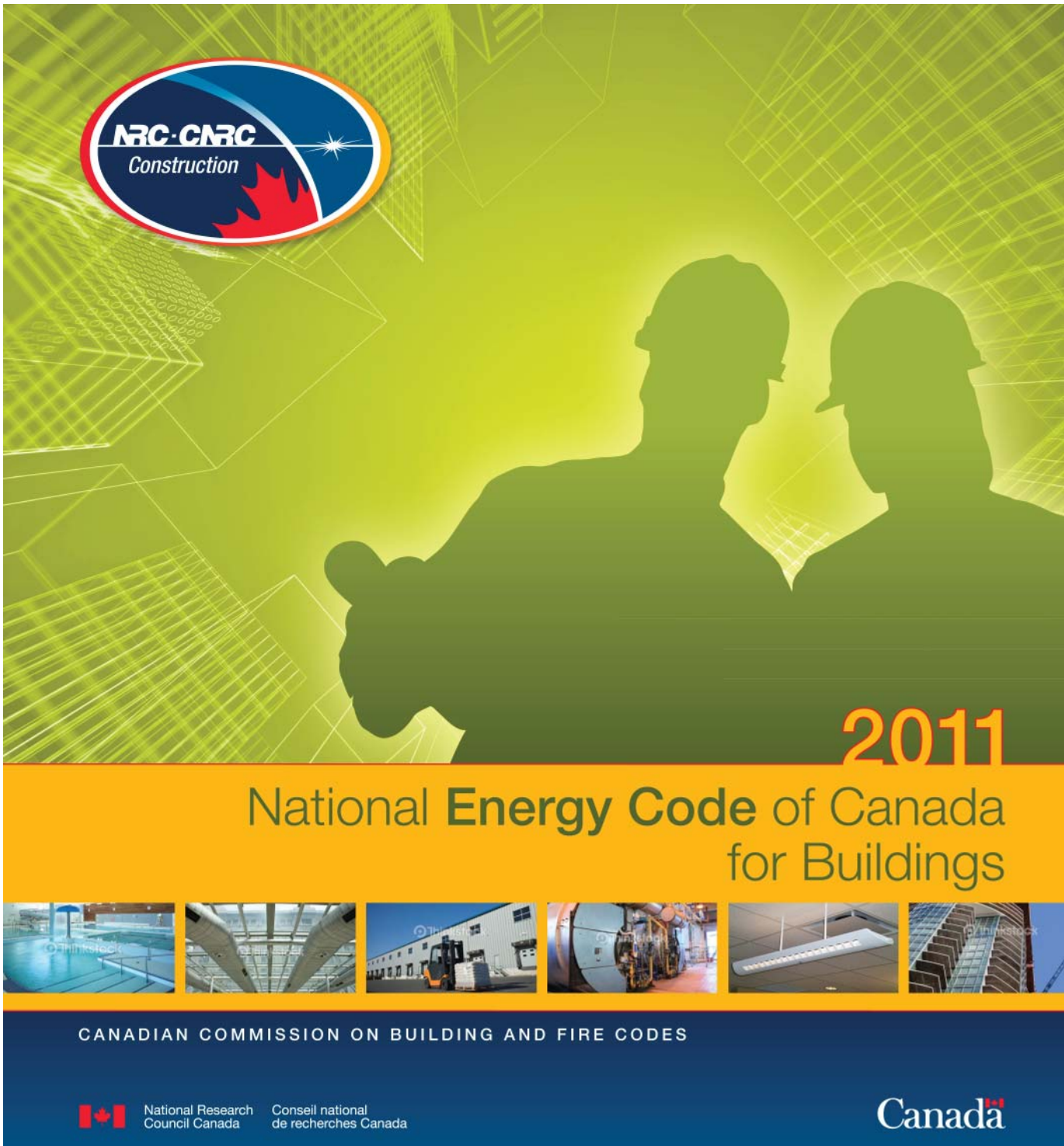
Upcoming release of the 2011 National Energy Code of Canada for Buildings

October 2011

At its spring 2011 meeting, the Canadian Commission on Building and Fire Codes (CCBFC) voted to approve the final proposed changes slated for inclusion in the *National Energy Code of Canada for*



Buildings 2011 (NECB). This critical vote ensured that the NECB could be published this fall. The CCBFC also acknowledged the tremendous work by CCBFC standing committee members and the technical support staff of

Cont'd on Page 13



2011
National Energy Code of Canada
for Buildings

CANADIAN COMMISSION ON BUILDING AND FIRE CODES

 National Research Council Canada
 Conseil national de recherches Canada

Canada

NECB 2011

Cont'd from Page 12

the National Research Council of Canada (NRC) to finish it in the short time available.

The NECB is the result of an extensive consultation process involving stakeholders from Canadian industry, multiple levels of government (federal, provincial, territorial and municipal), the construction industry, and the general public. It was developed by the CCBFC, with technical support and funding provided by the National Research Council of Canada and Natural Resources Canada (NRCan) as part of its commitment to improving the energy efficiency of Canadian buildings and reducing greenhouse gas emissions. For the first time ever, the NECB places Canada on a comparable footing with most countries that lead the world in energy efficient building construction.

Key characteristics

The new code contains close to 245 technical changes from the 1997 *Model National Energy Code of Canada* for

Buildings (MNECB) that address a host of issues such as the building envelope; lighting; heating, ventilation and air-conditioning; service water heating; electrical power systems and motors; and building energy performance compliance. Its technical requirements also accommodate the many new technologies and construction practices that have emerged in Canada over the past 15 years.

The NECB is an objective-based code with each provision having related objective-based information, including objectives and functional statements as well as intent statements.

The development of the NECB was initiated by the CCBFC in response to stakeholder requests to add a new objective on energy efficiency to the National Model Construction Codes. Based on consultations and a detailed policy analysis, the CCBFC concluded that regulations were an effective tool to support the policy direction of increased energy efficiency for buildings and that a national model code on energy efficiency was justifiable to effectively address an overall objective related to the environment, with a sub-objective focused on resource conservation and future potential sub-objectives on reduced greenhouse gas emissions, infrastructure capacity and energy security, as well as to address the policy goal of harmonization of construction codes across Canada. The CCBFC observed that other tools, such as education, incentives and labeling programs, also contribute to successful achievement of an overall energy efficiency policy.

A key characteristic of the NECB is its overall performance improvement compared with the MNECB. The goal underlying development of its technical requirements was for a 25% improvement over the 1997 Code. The actual target achieved will be 26.2%, as determined in an external consultant's evaluation. This result is a weighted average for the whole country and is based on many factors, including the energy performance level from which a region started. Its impact will be less in regions where energy efficiency construction practice is already higher than that specified in the MNECB and greater for those starting from a lower energy efficiency performance.

Cont'd on Page 14

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NECB 2011

Cont'd from Page 13

Another important characteristic is its flexibility. As with all other national model codes, provinces and territories will be able to adopt the NECB as is or tailor it to suit their particular jurisdictional needs. The CCBFC will offer detailed guidance to those jurisdictions who, for policy reasons, may want to amend the Code.

The NECB addresses the energy used by the building, irrespective of the energy source, with no exemption within the prescriptive requirements for any type of assembly construction. As lighting of unoccupied interior spaces is an unnecessary use of energy, it requires the installation of automatic lighting controls for many applications. It also requires the installation of heat recovery equipment for most occupancy types (the exception being self-contained residential units in some climate zones) as this produces significant energy savings by minimizing the loss of waste heat.

A review of the minimum equipment efficiency standards contained in the Energy Efficiency Act (EEA) for heating, ventilation and air-conditioning (HVAC), as well as service water heating, determined that they were below current industry practice. As a result, the NECB sets a minimum efficiency in the prescriptive path based on the industry's median level for most HVAC and

service water heating applications. Reduced equipment efficiencies to the floor level set by the EEA will still be allowed through the code's trade-off or performance compliance approaches.

Prescriptive building envelope requirements set a maximum fenestration-to-wall ratio that varies based on the local climatic conditions (i.e. heating-degree days). The ratio is set at 0.40 for locations with heating-degree days of 4000°C or less, and 0.20 for locations with heating-degree days of 7000°C or more. The ratio for areas with heating-degree days between these two values varies linearly. The NECB allows deviation from this when using the trade-off or performance compliance approaches.

The NECB also contains specific prescriptive provisions in the building envelope trade-off and performance compliance paths to deal with semi-heated spaces.

These major changes will be explained further in free online presentations expected to be available on the national codes website (www.nationalcodes.ca) in January 2012. The NECB was published on November 18, 2011. To order a copy, please visit the NRC Virtual Store (www.nrc.gc.ca/virtualstore).

For more information, please contact Cathy Taraschuk at (613) 993-0049 or e-mail cathleen.taraschuk@nrc-cnrc.gc.ca.

CONGRATULATIONS!



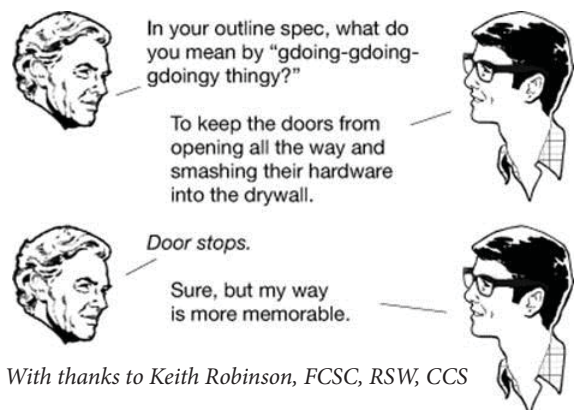
Bruce Gillham
CSC President

CSC Toronto chapter proudly recognizes one of its own, Bruce Gillham, CTR, CCCA, as CSC President for the 2011/2012 year.

Bruce can be reached at (905) 751-1023 or via e-mail at bjgillham@armstrong.com.

WE WISH YOU ALL THE BEST, BRUCE

Spec corner...



With thanks to Keith Robinson, FCSC, RSW, CCS



Join the Construction Specifications Canada – Toronto Chapter Facebook group today!



Construction Specifications Canada Grand Valley Chapter



Please Come and Join Us
At Our
Christmas Luncheon

On

December 21, 2011

At The

Holiday Inn
30 Fairway Road South
Kitchener, ON

11:30 till 2:30

\$25.00 per person
(Cash bar)

(Includes a full hot buffet,
with dessert, and door prizes)

R.S.V.P.: By December 16th
jane.fish@melloul.com

**Christmas begins about the first of December and
ends when you finally realize what you spent,
around April fifteenth of the next year. ~ P.J.
O'Rourke**

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CSC Website
<http://csc-dcc.ca>

CSC (Construction Specifications Canada) is a national multi-disciplinary, non-profit association with chapters across Canada. CSC is committed to ongoing development and delivery of quality education programs, publications and services for the betterment of the construction community.



Friday, February 24, 2012. 4th ANNUAL CURLING BONSPIEL



- 20 Minutes of Professional Lessons
- Six ends of Curling
- Must wear Sports Attire
- Bring Curling Shoes or Clean Running Shoes (No Leather Soles)
- Bring your Curling Broom if you have one
- Business Casual Dinner (no jeans/running shoes)
- Famous Roast Beef Dinner (please advise of dietary constraints)

Location: Toronto Cricket, Skating & Curling Club
141 Wilson Avenue, Toronto, ON. M5M 3A3

Curling & Dinner: \$80.00 per person (incl. HST & gratuities)

Curling : 2-4 pm – Cocktails (Cash Bar) 4-5 pm – Dinner 5-8 pm



Friday, February 24, 2012. 4th ANNUAL CURLING BONSPIEL

Event Registration

Name: _____ Email: _____

Company Name: _____

Address: _____

City: _____ Province: _____ Postal Code: _____

Tel: _____ Fax: _____ Cell: _____

ADDITIONAL GUESTS

Name : _____ Name : _____

Name : _____ Are your guests part of your team: Yes/No.

PAYMENT INFORMATION*

Payment method: Visa: _____ Cheque: _____ Sponsorship Voucher: _____

- Registration and payment by VISA is only thru' our website payment service at www.csctoronto.ca
 - Registration and payment by Sponsorship; please send this form to the address below
 - Registration and payment by cheque; please send this form and payment to the address below
- GOLD, PLATINUM AND DIAMOND CHAPTER SPONSORS HAVE TWO FREE TICKETS TO THIS EVENT. NO ADJUSTMENTS OR REFUNDS WILL BE ISSUED FOR NON-USE**

FINAL BILLING

I am registering: _____ persons @ \$80.00/each Signature: _____

Total Amount Due: \$ _____ (A receipt will be issued) Date: _____

Construction Specifications Canada Toronto Chapter; P.O.Box 349, Pontypool, ON. L0A 1K0.
Phone/Fax 1 888 494 9350 - djfournier@csctoronto.ca - www.csctoronto.ca

Curling & Dinner \$80.00 per person (includes HST & gratuities)

*cancellation fee of \$10.00 p/p applies



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www.csctradeshow.com



TRADE SHOW 2012

Monday, March 5, 2012

Registration Form and Invoice

Please note: Registration form must have full company name, address, telephone number and name of person in your organization who will co-ordinate your participation.

Organization

Address

City

Postal Code

Telephone No.

Fax No.

E-Mail Address

Contact Person

Date Stamp				
	Registration #			

Don't be late!
Registration Deadline
is February 1, 2012

Indicate type of table and number (maximum of 2)
Table type is on a paid first-come, first-served basis.

		CSC Member	Non-Member	
<input type="checkbox"/> 1	<input type="checkbox"/> 2	Aisle Table(s)	<input type="checkbox"/> \$750.00 ea.	<input type="checkbox"/> \$1030.00 ea.
<input type="checkbox"/> 1	<input type="checkbox"/> 2	Wall Tables(s)	<input type="checkbox"/> \$900.00 ea.	<input type="checkbox"/> \$1180.00 ea.
<input type="checkbox"/> 1	<input type="checkbox"/> 2	Wall Tables(s) with Electrical Service	<input type="checkbox"/> \$1000.00 ea.	<input type="checkbox"/> \$1280.00 ea.
		Guest Speaker Luncheon <input type="checkbox"/> \$475.00 Table of 8	<input type="checkbox"/> ____ x \$65.00 per person
		Wine Sponsor <input type="checkbox"/> \$300.00	

Cancellation Policy: A \$100 administration charge will be deducted from all refunds of exhibitor registration fees on receipt of an exhibitor's request for cancellation. Cancellation requests that are received by our office later than Friday, December 2, 2011 will not be refunded.

ADD - 13% HST # 106970973RT

TOTAL: \$

☐ **Yes!**

**I would like to be a
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My payment is enclosed with my registration.

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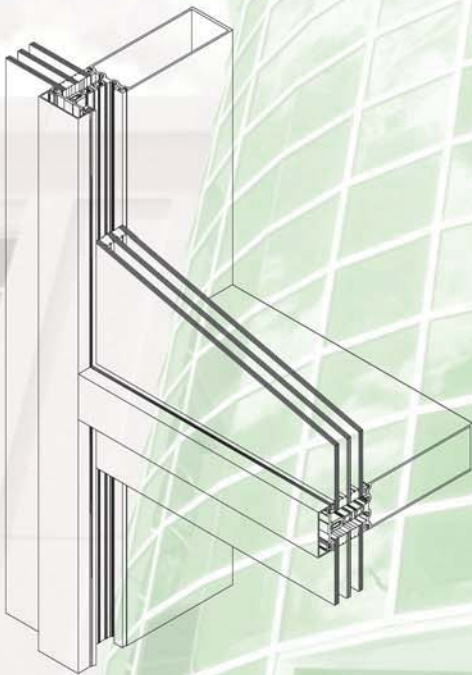
Toronto Chapter Trade Show
131 Corbett Drive, P.O. Box 349
Pontypool, ON L0A 1K0
Toll Free/Fax: 1-888-494-9350

Please make your payment by cheque payable to CSC Toronto Chapter Trade Show
Unless otherwise requested, your cancelled cheque is your receipt.

To pay by credit card, please register online at:
<http://www.csctradeshow.com/forms.html>



Alumícor



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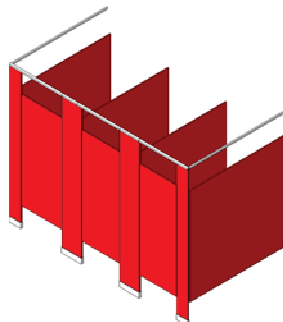
High Performance
Curtain Wall

PERFORMANCE BY DESIGN

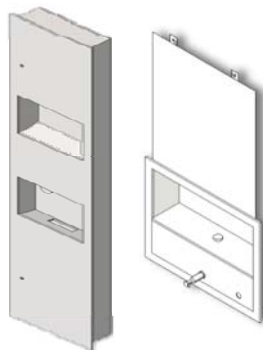
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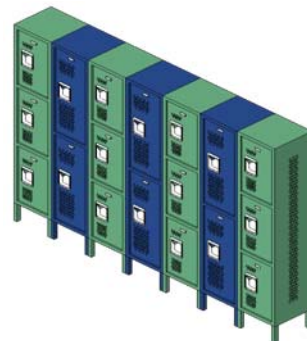
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CSC Course Descriptions and Registration Information

Specifier 1

The Specifier 1 course is an intermediate level course that will take the individual beyond the concepts previously introduced in the PCD course. Although some of the same topics are included in this course, the depth of comprehension and explanation exceed that of the PCD course. The Specifier 1 course is a prerequisite for the Certified Specification Practitioner (CSP) designation. Successful completion of the course may be credited toward the experience component requirements for the Registered Specification Writer (RSW) designation.

The course is designed for the individual involved with the preparation of the project manual /specification.

Specifier 1 and Specifier 2 can be taken in any order. Students must have completed the PCD course to take Specifier 1 or Specifier 2.

Course Outline:

- Industry Participants and Documents – Review
- The Specifier and Contract Administration
- Regulatory Requirements and Master Specifications
- Specification Production
- Specifier as a Research and Information Resource
- Information Storage and Retrieval
- Short Form Specifications and Check lists
- Preliminary Project Descriptions and Outline Specifications
- Contract Documents and Contractual Issues
- Selecting Building Materials

Specifier 1 Course Information

Course begins: Wednesday, January 11, 2012

From 6:00 p.m. to 8:15 p.m. and will run for 13 weeks (ending May 2, 2012)

Location: Fairview Public Library

35 Fairview Mall Dr., Room A, 4th Flr., Toronto

Cost (includes all course materials and taxes):

CSC members: \$500.00 (incl. \$57.52 HST)

Non-members: \$550.00 (incl. \$63.27 HST)

Sign up before Friday, December 22, 2011.

Construction Contract Administrator (CCA)

Contract administration involves making decisions and the timely flow of information and decisions to enable project completion as required by the contract documents, including review and observation of the construction project. This is important to the Owner and Consultant not only to determine that the work is proceeding in conformity with the contract documents, but also because it allows a final opportunity to detect any inaccuracies, ambiguities or inconsistencies in the design.

The objective of the CCA program is to improve construction contract administration by providing education related to the administration and enforcement of contract requirements during the construction phase of the project.

This advanced level course will take the individual beyond the concepts previously introduced in the PCD course. Although some of the same topics are included in this course, the depth of understanding and explanation exceed that of the PCD course.

The course is designed for those individuals involved in construction administration, including Contract Administrators, Property Managers, Architects, Engineers, Interior Designers, Specification Consultants, Building Authorities, and Bonding and Insurance Agencies.

This course is a requirement for the Certified Construction Contract Administrator (CCCA) designation.

Course Outline:

- Construction Industry participants
- Bidding Requirements and Process
- Alternatives and Substitutions
- Standards and Regulatory Influences
- Site Activities
- Execution of the Work
- Certificate of Payment
- Changes in the Work
- Dispute Resolution

Cont'd on Page 17

CSC Course Descriptions and Registration Information (cont'd)

Cont'd from Page 16

- Construction Insurance
- Construction Surety Bonds
- Guaranties and Warranties
- Project Submittal
- Field Services and Quality Control
- Clerk of the Works
- Contract Close-Out
- Commissioning
- Definitions and Resources

CCA Course Information

Course begins: Monday, January 9, 2012

From 6:00 p.m. to 8:15 p.m. and will run for 14 weeks (ending April 2, 2012)

Location: Fairview Public Library

35 Fairview Mall Dr., Room A, 4th Flr., Toronto

Cost (includes all course materials and taxes):

CSC members: \$500.00 (incl. \$57.52 HST)

Non-members: \$550.00 (incl. \$63.27 HST)

Sign up before Friday, December 22, 2011.

Technical Representative (TR)

The Technical Representative (TR) course will provide a better understanding of contract documents and bidding procedures, product representation, professionalism and ethics, and will provide a new depth of understanding and explanation of concepts beyond what was previously introduced in the PCD course.

The course is designed for the individual involved in the supply section of the construction industry. This includes the manufacturer representative, agent or distributor.

The student must have successfully completed the Principles of Construction Documentation (PCD) course.

This advanced-level course will take the individual beyond the concepts previously introduced in the PCD course. Although some of the same topics are included in this course, the depth of understanding and explanation exceed that of the PCD course. This course is the final step of the education component needed for the Certified Technical Representative (CTR) designation.

Course Outline:

- The Project Manual and Drawings
- The Technical Representative and Consultants
- Construction Product Selection Process
- Materials Selection and Substitutions
- Construction Product Representation
- Effective Technical Assistance
- Information Management and Product Literature
- Product Presentation Techniques
- Contract Liability and Warranties
- Bonds and Insurance
- Material and Product Standards
- Workmanship, Quality, Codes and Standards
- Liens and Liens Legislation
- Contract Administration and Field Services

TR Course Information

Date begins: Monday, January 9, 2012

From 6:00 p.m. to 8:30 p.m. and will run for 16 weeks (ending April 30, 2012)

Location:

120 Carlton St., Room 5, Toronto

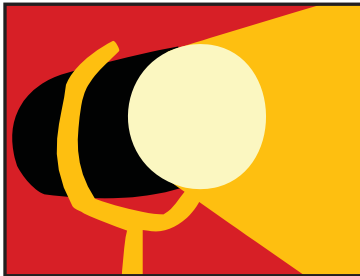
Cost (includes all course materials and taxes):

CSC members: \$500.00 (incl. \$57.52 HST)

Non-members: \$550.00 (incl. \$63.27 HST)

Sign up before Friday, December 22, 2011.

If you have any questions about the courses listed above, please contact Emily Chau, Professional Development Officer at 416-499-3181, ext 1155 or via email at echau@morrisonhershfield.com. Visit <http://toronto.csc-dcc.ca/Education/Education+in+Toronto/> to register.



Put the spotlight on you!

Advertising in the *Toronto Specifier* offers the benefit of distribution to a minimum of 700 members every month for 10 issues (September 2011 to June/July 2012). The issue preceding the No Frills Trade Show is forwarded to the four other Ontario CSC chapters in addition to our regular e-mail distribution. The cost for the advertisement is as follows:

Single ad
\$300.00 + \$39.00 HST = \$339.00

Double ad
\$520.00 + \$67.60 HST = \$587.60

To returning advertisers, we would like to express our thanks for your support and we look forward to your continued sponsorship. Advertisers must be a member of CSC with a maximum of one (1) name per single business card ad and three (3) names per double business card ad.

take the spotlight

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Reserve an ad space in the
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for the 2011/2012 season

- ☐ **Single ad** @ \$300.00 + \$39.00 HST = \$339.00
- ☐ **Double ad** @ \$520.00 + \$67.60 HST = \$587.60
- ☐ **Other (please specify)** _____
- ☐ **Please issue an invoice**
- ☐ **Artwork is the same as in the 2010/2011 Toronto Specifier**
- ☐ **New ad:** Please forward a high-resolution digital file (300 dpi) or a business card to:
CSC Toronto Chapter, P.O. Box 349, Pontypool, ON L0A 1K0
or by email to **steve@asiwatrous.com**.

Note: There will be a \$35 charge for changes to business card ads.

Name (please print): _____

Company: _____

E-mail: _____

Telephone: _____

For more information, please contact:

Steve Ioannides, Media Committee Chair at (647) 231-5542

To reserve your spot, complete and fax this form to
Donna Fournier at (888) 494-9350

HST #R1069700973

MAKE CHEQUE PAYABLE TO CSC TORONTO CHAPTER

Mail payment to P.O. Box 349, Pontypool, ON L0A 1K0

Careers

Career Advertising in *The Specifier*

CSC members in good standing or firms with members in good standing may place career advertisements in *The Specifier* free of charge, space permitting and at the discretion of the editors.

Help-wanted advertisements must be seeking a professional with, or working towards, a recognized CSC professional designation and must be no longer than 250 words.

Corporate logos may be included. Advertisements can run for up to three issues, providing space is available.

To place your ad, please contact Steve Ioannides, Content Co-ordinator at steve@asiwatrous.com.



DIALOG is a fully integrated design firm incorporating architectural, engineering, interior design, urban design and planning services. Our special culture and spirit is founded on a unique collaborative approach to clients and communities. Employing over 550 people, DIALOG is committed to delivering sustainability and excellence in design along with exceptional client service. We have an exciting opportunity for a:

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Qualifications

If you completed the Construction Specifications Canada (CSC) Registered Specification Writer certificate program or have equivalent work experience and are working towards the certificate we would like to hear from you. We are looking for a team player who has strong attention to detail.

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Please submit your resume in confidence to careers@designdialog.ca. We thank all applicants for their interest however only those selected for an interview will be contacted.

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CSC TORONTO CHAPTER SPONSORSHIP PACKAGES

Dinner Sponsorship \$195

- One complimentary dinner ticket
 - A table top display before and after dinner
 - A three minute PowerPoint presentation that will loop throughout dinner
 - A one-page electronic advertisement that is included in the previous month's Specifier
 - Advanced notification of your display dates in the Specifier
- Choice of monthly dinner sponsorship is on a first-come, first-served basis*



Bronze Sponsorship \$400

- One Dinner Sponsorship
 - Single Business Card ad placed in the Specifier for 10 issues (one name only/\$50 charge for changing the card during the print run)
- Cost of package if purchased individually: \$515*

Silver Sponsorship \$650

- One Dinner Sponsorship
 - Double Business Card ad placed in the Specifier for 10 issues (three names maximum on business card/\$50 charge for changing the card during the print run)
 - Company name and logo posted on CSC Toronto Chapter website (July to June)
- Cost of package if purchased individually: \$745*

Gold Sponsorship \$1,450

- Bronze Sponsorship Benefits, as well as the following:
 - Registration for CSC No Frills Trade Show (aisle table)
 - Two tickets to CSC Social Event (Curling Bonspiel or Fun Night)
 - Website Package, which includes: Company name and/or logo recognition on the Toronto Chapter website
 - Hot link to your home page, or page link provided to us
 - Will run for 12 months (July to June)
- Cost of package if purchased individually: \$1,920*

Platinum Sponsorship \$2,050

- Bronze Sponsorship Benefits, as well as the following:
 - Registration for CSC No Frills Trade Show (Wall Table, no electricity)
 - Website Package, which includes: Company name and/or logo recognition on the Toronto Chapter website
 - Hot link to their home page, or page link provided to us
 - Will run for 12 months (July to June)
 - Golf Day Package (includes four tickets for golf and dinner)
- Cost of package if purchased individually: \$2,615*

Diamond Sponsorship \$2,830

- Platinum Sponsorship Benefits, as well as the following:
 - Upgrade to Wall Table with electricity at CSC No Frills Trade Show
 - CSC No Frills Luncheon Table (eight tickets)
 - CSC No Frills Luncheon Wine Sponsorship
 - Plaque presented to sponsor at upcoming dinner meeting recognizing Diamond Sponsorship.
- Cost of package if purchased individually: \$3,690*

Construction Specifications Canada | Toronto Chapter

P.O. Box 349, 131 Corbett Drive | Pontypool | Ontario | L0A 1K0 | Telephone/Facsimile: 1-888-494-9350

web: www.csctoronto.ca

CSC TORONTO CHAPTER – ANNUAL SPONSORSHIP APPLICATION



Please complete the form below:

Company name: _____

Contact person: _____

Company address: _____

Phone: _____ Fax: _____

Email: _____

Please select sponsorship level:

- | | |
|--|---|
| <input type="checkbox"/> Dinner Sponsorship (\$172.57 + \$22.43 HST = \$195) | <input type="checkbox"/> Gold Sponsorship (\$1,450 + \$188.50 HST = \$1,638.50) |
| <input type="checkbox"/> Bronze Sponsorship (\$400 + \$52 HST = \$452) | <input type="checkbox"/> Platinum Sponsorship (\$2,050 + \$266.50 HST = \$2,316.50) |
| <input type="checkbox"/> Silver Sponsorship (\$650 + \$84.50 HST = \$734.50) | <input type="checkbox"/> Diamond Sponsorship (\$2,830 + \$367.90 HST = \$3,197.90) |

Payment method:

- ☐ Cheque only (enclose with application)

Please make cheques payable to: **CSC Toronto Chapter**

Mail the completed form together with payment to:

CSC Toronto Chapter
P.O. Box 349
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