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○ June | ○ 2012

CCMPA *Updates*

ADDRESSING ISSUES AND CONCERNS OF THE
CANADIAN CONCRETE MASONRY PRODUCERS

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 Western Canadian Meeting—Thursday, June 21st & Friday, June 22nd, 2012—Banff Springs Hotel, Banff, Alberta
CCMPA Members Meeting—Wednesday, July 25th, 2012—CMDC Office—360 Superior Blvd, Mississauga, ON
NCMA Mid-Year Meeting— August 22nd—24th, 2012—Traverse City, Michigan

Annual General Meeting & Golf 2012

The 2012 AGM & CCMPA Stoneman Classic Golf tournament will return to White Oaks Resort and Spa and Peninsula Lakes Golf Course. The tournament has been named in honour of Rob Shouldice and features the John Grimo Cup awarded to the winning foursome. The Cancer Society will be the charity benefiting from our annual raffle. The date for the event is Thursday, September 6th, 2012. Please save the date. The brochure has been distributed and is on the website. If you need more information please contact the CCMPA Office.

CCMPA supports a Wounded Warrior—Corporal Paul MacLean

In 2011, CCMPA wanted to support a charity that was helping returning soldiers reacclimatize to living in Canada. It was decided that we would to assist an injured person and if we could help with a “Hands Up” project, all the better.

“The fund was started because we noticed that the troops in Germany had very little in the way of their personal items. They have very little in the way of electronics and entertainment to pass the time,” says Captain Johnston. They also noticed that medical and support staff were digging into their own pockets to get the little things to ease the burden. From this the fund was born. Wounded-Warriors.ca (The Sapper Mike McTeague Wounded Warrior Fund) supports all Canadian Forces members wounded on operations, at the outset of their healing process. The fund aims to improve the general morale and welfare of the soldiers and their families by working through first-line caregivers, medical staff, chaplains and assisting officers.

Captain Wayne Johnson, the founding member of the organization, made every effort to assist us in finding Cpl Paul McLean. CCMPA had specified that it was interested in contributing funds in the form of tools or other masonry related equipment required for a soldier’s livelihood.

Cpl McLean is a reserve soldier with the Grey and Simcoe forester in Owen Sound. He is a licensed stone mason who owns his own business. On July 29th, 2010, he was injured while on duty in Afghanistan. Upon returning to Canada, he was unable to continue as a mason thereby curtailing his ability to support his family. The contribution made by CCMPA was used to purchase a Genie 34/20 Articulating Lift which allows him to continue earning his living in the masonry industry. For this Cpl. McLean is very grateful.





Getting the most from our Engineering Expert

Gary Sturgeon B.Eng., M.Sc., P.Eng.

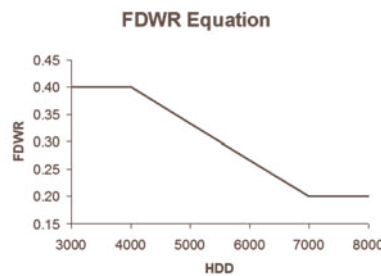
The National Energy Code for Buildings, 2011...The Trade-off Compliance Path

In our May, 2012 CCMPA Newsletter, we identified and briefly described the *Prescriptive* path as one of three paths used to demonstrate compliance under the new National Energy Code for Buildings (NECB-11). Under the *Prescriptive* path and for *all* locations in Canada, it was shown that conventional single wythe masonry walls containing loose core fill insulation such as vermiculite and perlite simply *cannot comply* with the NECB-11. To use these walls, a designer must seek compliance under either of the two alternative paths...*Trade-off* or *Performance*.

In order to suitably discuss the *Trade-off* path, some additional information must be introduced about the structure of the NECB and about the *Prescriptive* path, upon which the *Trade-off* path is based.

The NECB-11 is divided into several Parts each pertaining to, and containing requirements for, some aspect of energy efficiency in buildings. These parts include Building Envelope, Lighting, HVAC, Service Water Heating, and Electrical Power Systems. Each Part of the NECB has its own *Trade-off* path; and that part of particular importance to the design of masonry wall systems is Part 3, "Building Envelope".

Part 3 contains not only required minimum thermal resistances (R-values) for above-grade opaque wall systems (as we described in the May Newsletter), it also contains required minimum R-values for below-grade assemblies including walls and slabs, and for fenestration, including windows and doors. It also assigns maximum permissible (fenestration + door)-to-wall-ratios [FDWRs] for each of the Climate Zones (4 through 8) in Canada. A larger area of glazing is permitted for buildings in the warmer Climate Zones than those in the colder Climate Zones. Climate Zone 4 (Vancouver and Toronto) is assigned an upper FDWR of 0.4, and Climate 8 (Yellowknife), of only 0.2; intermediate Climate Zones use a "sliding scale" between 0.4 and 0.2:



By assigning limiting permissible thermal resistances for all building components including roofs, above- and below-grade opaque walls, and slabs, and limiting permissible amounts of glazing, the *Prescriptive* path effectively defines a minimum level of thermal performance for a building...for what we term the *reference building*. The heat transfer through this *reference building* can be readily calculated using heat transfer equations.

Heat transfer through a building under design...what we term the *proposed building*...cannot be greater than that through the *reference building*. The *reference building* sets an envelope heat transfer performance level that serves as a target level for the *proposed building* under the *Trade-off* path. The inner-workings of the *Trade-off* path, and how it can be used to qualify single wythe masonry walls, will be the topics of a future CCMPA Newsletter.

WESTERN CANADIAN MEETING —BANFF 2012

The CCMPA Western Canadian Meeting is scheduled to take place on June 21st and 22nd, 2012 in stunning Banff, Alberta, at the Fairmont Banff Springs Hotel.

We are busy planning for this event and we encourage members to attend and make it a family vacation at the same time. This meeting has been a great success in the past with over 25 members in attendance.

Please make your room reservation based on the flyer previously sent out.

For more details, contact M. de Souza

