

CFSAnews

CANADIAN FIRE SAFETY ASSOCIATION

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SPRING 2008

Residential Sprinklers: Looking Beyond The Horizon



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Editor: Matteo Gilfillan

The CFSA News Magazine is published 4 times per year – Summer, Fall, Winter, Spring

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For more information regarding advertising in the CFSA Newsletter, please contact Mary Lou Murray at (416) 492-9417 or maryloum@taylorenterprises.com.

Closing dates

for submissions are as follows:
Issue #1 – May 20 Issue #3 – Nov. 19
Issue #2 – Aug. 19 Issue #4 – Feb. 17

All general enquiries and advertising materials should be directed to the CFSA office at:

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Your comments, suggestions and articles are welcome.

Please send them to the attention of:

The Editor

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Janet O'Carroll

PRESIDENT'S message

The holiday season for all Canadians should be a time to share special moments with family and friends. Unfortunately for 4 people earlier this year, tragic home fire deaths prevented this. These fire deaths may have been prevented if Ontario had requirements in place for the installation of residential sprinkler systems.

Ontario is the only province in Canada that permits high-rise residential buildings to be constructed without the installation of residential sprinkler systems. Such organizations as Firesafe Ontario and the Home Fire Sprinkler Coalition have worked diligently for years educating the general public, government officials, and fire department personnel about the benefits and need to install sprinkler systems in all types of residential buildings.

Has all of the work and efforts by these organizations paid off? Well, on January 16, 2008, Dalton McGuinty admitted (regarding residential sprinkler systems) "I think the fact is that we're a bit of a laggard in that regard in comparison to the rest of Canada." McGuinty stated to reporters before a cabinet meeting, "It's time for us to ensure that we are doing more. They want us to adopt the federal building code standard, which requires that sprinklers be put in place – on a go-forward basis – in buildings that are three stories and higher. To me, that sounds like some pretty solid advice, and that's what we're going to look at, but we'll see if we need to do anything more beyond that."

On behalf of the Canadian Fire Safety Association, I would like to thank Mr. McGuinty, as a high-profile figure who is not affiliated with the fire protection industry, for taking an important step in publicly acknowledging that Ontarians deserve to be provided with a safer living environment. In this day and age, there is no excuse for fire deaths. Ontario is now one step closer to eliminating preventable fire deaths. Unfortunately, the battle is far from over regarding residential sprinklers; protection is still needed for single family residential dwellings, residential buildings up to 3 storeys and existing high-rise apartment and condominiums.

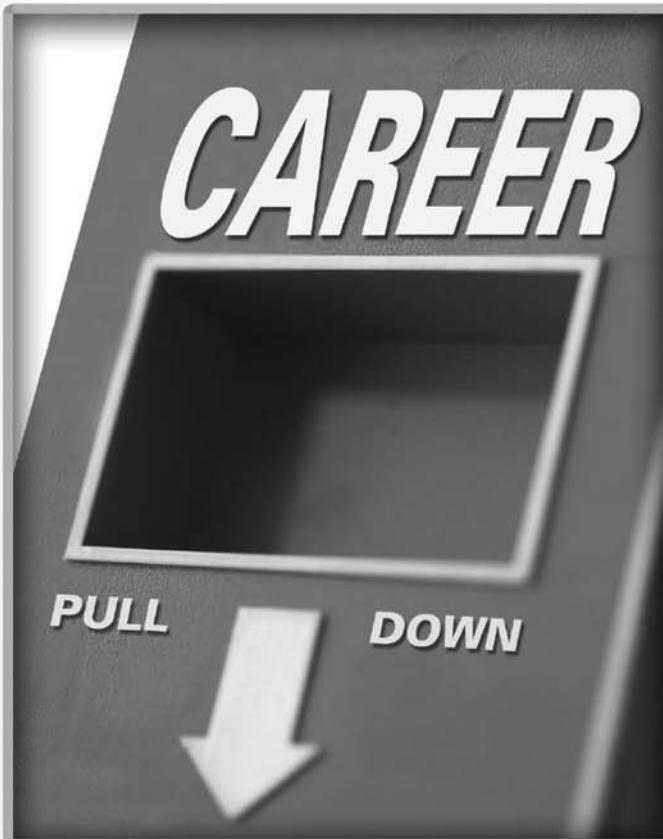
As always, the CFSA has some excellent upcoming technical sessions and dinner meetings. In addition, the Annual Education Forum, which this year will include a trade show, has been scheduled for Friday April 18, 2008. The theme this year is "Above & Beyond the Codes – Life Safety & Risk Management Strategies". A tour of the new GTAA training facility has also been scheduled for the evening of Thursday April 17, 2008. For more information on all upcoming CFSA events, visit our website (www.canadianfiresafety.com).

This is my last article in the CFSA News as President of the CFSA. I would like to thank our membership for allowing me the privilege to serve as President over the last 2 years. It has been a rewarding experience that I have thoroughly enjoyed and I look forward to continuing on the board as Past President. I would like to thank the board of directors for their commitment and dedication over the last 2 years. Their expertise and dedication to volunteering their time is what has allowed the CFSA to continue to be a strong organization.

Yours truly,

Janet O'Carroll, C.E.T., CFPS
CFSA President

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Matteo Gilfillan

EDITOR'S note

As I am sure you are aware, this edition of the *CFSA News* has been a long time coming. We, as an association, understand that the *CFSA News* is not only a component of your membership with us, but also provides you with a resource for topical information related to the field of life safety and fire protection.

In many ways, the *CFSA News* is the embodiment of our Association's Mission Statement (i.e., to disseminate fire and life safety information and create a fire safe environment in Canada) and for that reason, we strive to maintain its quality. That said, we appear to be back on track and offer our membership a full complement of articles in this edition of the *CFSA News*.

The theme of this edition of the *CFSA News* is residential sprinklers, featuring articles regarding Dalton McGuinty's stand on sprinklers in residential high-rise buildings and the public consultation being held by the Ministry of Municipal Affairs and Housing regarding possible changes in the OBC to include residential sprinkler requirements for buildings higher than 3 storeys.

Also included in this edition of the *CFSA News* are articles on the introduction of the 2007 Ontario Fire Code, the use of the 2007 edition of NFPA 10 in Ontario, the current status of the Ontario Association of Architects in regards to Bill 124 compliance requirements, and many more.

The *CFSA News* journal committee is looking for articles and topics for articles from our membership. If you are interested in providing an article or would like to see a specific topic discussed in the *CFSA News*, please contact me.

A handwritten signature in black ink, appearing to read 'Matteo Gilfillan'.

Matteo Gilfillan, C.E.T., CFPS

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New Fire Code

This article was obtained from the OFM website (www.ofm.gov.on.ca).



The Office of the Fire Marshal (OFM) is pleased to announce the release of the 2007 edition of the Fire Code with the filing of Ontario Regulation 213/07 on May 25, 2007.

The 2007 Fire Code is written in an objective-based format that promotes greater flexibility and more uniform enforcement by linking each (technical) code provision to one or more explicitly stated objectives and functional statements. The new objective-based code continues to contain traditional prescriptive requirements now known as “acceptable solutions” that serve as benchmarks for compliance. The objective-based format provides greater flexibility by allowing equivalents known as “alternative solutions” which must be prepared and evaluated using a prescribed process.

The new Fire Code also contains over 200 technical changes that underwent public consultation in 2003.

The 2007 Fire Code will come into force on November 21, 2007, replacing the 1997 edition (Ontario Regulation 388/97, as amended). The transition pe-

riod will allow code users time to become familiar with the objective-based format and the new technical provisions.

The 2007 Fire Code (Ontario Regulation 213/07) is available on the Government of Ontario e-Laws Web site at www.e-laws.gov.on.ca. It has also been published in Volume 140, Issue 23 of the Ontario Gazette, released on June 9, 2007. Arrangements are being made through Publications Ontario for a user-friendly printed edition. Additional details will be communicated as soon as they become available.

The OFM is preparing training materials to assist code users with the transition to the new objective-based Fire Code. Transition training will focus on the structure and compliance options of the new Code. A component of the training will include highlights of the technical changes. Additional information on training will be made available at a later date.

Further information about the new 2007 Fire Code will be posted on the OFM Web site, www.ofm.gov.on.ca, over the next few months. Fire departments are encouraged to visit the Web site periodically for updates. ■

Enquiries about the 2007 Fire Code should be directed to the Fire Safety Standards Section of the OFM, which can be reached at (416) 325-3100.



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Fire Sparks Building Code Changes Rules to Increase price of new homes

New rules for new homes will kick in this fall to prevent blazes like the one that claimed the lives of two Winnipeg firefighters last year.

The province is tweaking its building code to mandate the construction of a fire-resistant wall between an attached garage and a house. And it will require all new homes to have a garage heat detector that's connected to the home's smoke alarm.

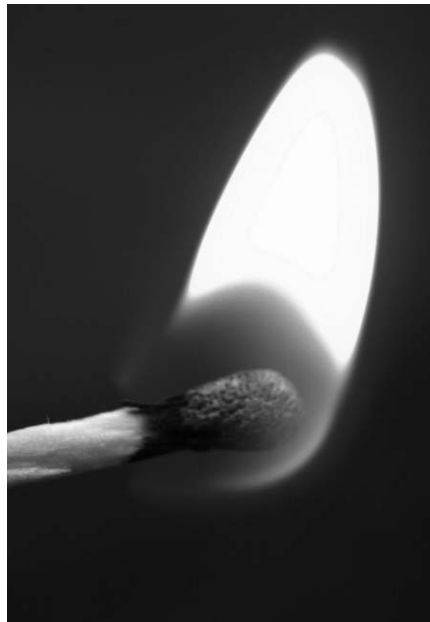
The move will add between \$2,000 and \$3,000 onto the price of a new home, according to the Manitoba Home Builders' Association, which supports the change. Firefighters said the new rules could save lives.

"These changes will make our job safer," said Alex Forrest, president of the United Fire Fighters of Winnipeg union.

But he said there are other changes to the building code still needed, including provisions mandating wider spaces between homes and limiting the use of some glues that emit toxic vapours when burned.

But Fire Commissioner Doug Popowich said it's remarkable to see changes to the building code happen within a year. Normally, it's a lengthy process that requires everyone – homebuilders, governments, unions and firefighters – to agree.

The rules are for new homes only and the province won't make them retroactive. But it will be launching a public awareness campaign to encourage Manitobans to do the renovations voluntarily.



Popowich said he heard of a garage fire in rural Manitoba recently that burned for at least 20 minutes before firefighters arrived. There was minimal damage to the living space and no injuries largely because a common wall drywalled with Gyproc contained the blaze in the garage. The changes stem from the deaths of two Winnipeg firefighters, Captains Harold Lessard and Tom Nichols. They perished almost a year ago fighting a St. Boniface house fire that started in the garage.

A report by the provincial fire commissioner into their deaths included recommendations to update building codes, including the national one that comes up for review in 2010.

Manitoba's changes come into effect in October. ■

Province Considering Sprinklers for High Rises

Ontario is a "laggard" in North America when it comes to laws requiring residential sprinkler systems and is looking at ways of catching up, Premier Dalton McGuinty said today.

The premier said he has asked Municipal Affairs and Housing Minister Jim Watson to come up with options that could include requiring sprinkler systems in new buildings three storeys and higher.

That is the standard under the federal building code, McGuinty told reporters.



"To me that sounds like pretty solid advice and that's what we're going to look at," he said. "We'll see if we need anything more beyond that."

The question of sprinklers came up again last week after the death of William Vankoughnett, 75, in a Keele St. apartment fire.

Ontario is the only jurisdiction on the continent that does not require residential fire sprinkler systems in high-rise condos and apartments.

"The fact is that we're a bit of a laggard in that regard, in comparison to the rest of Canada, and it's time for us to ensure that we are doing more," McGuinty said. ■



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For more information, contact: Stu Evans, Seneca College,
 School of Mechanical & Fire Protection Engineering Technology
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Performance-Based Fire Protection of Steel Buildings

On November 8, 2007, the CFSA held a technical session on the topic of "Performance-Based Fire Protection of Steel Buildings". The speaker was Mr. George Frater, Ph.D., P.Eng., of the Canadian Steel Construction Council.

Topics of the presentation included the following:

- ULC S101 fire testing for steel,
- traditional fire protection methods for steel,
- NBC Appendix D – assigned fire-ratings,
- computer models for fire and smoke,
- performance-based design case examples, and
- Codes/Standards/guides for performance-based design.

To view the Powerpoint file for this presentation, please visit the Presentation Archive section of our website (www.canadianfiresafety.com).

Hotel Retrofit Building Audit Guidelines

On November 21, 2007, the CFSA held a technical session on the topic of "Instruction for Using the Hotel Retrofit Building Audit Guidelines". The speaker was Mr. Bruce Weaver, Program Specialist at the Office of the Fire Marshal.

Topics of the presentation included the following:

- the purpose of the Building Audit,
- the types of available guides, and
- how the Building Audit guide works.

To view the Powerpoint file for this presentation, please visit the Presentation Archive section of our website (www.canadianfiresafety.com).

Regulation 27 Amended to Eliminate Building Code Qualification and Registration for Architects

This article was obtained from the website of the Ontario Association of Architects (www.oaa.on.ca).

The regulation made by the OAA Council on June 22 to revoke the building code qualification and registration system for architects was passed by Provincial Cabinet on August 22 and subsequently filed as O.Reg. 490/07 on Friday August 24, 2007. The regulation is effective upon date of filing as noted above.

These amendments effectively return our regulations to pre-Bill 124 status i.e. Architects are no longer subject to requirements for additional qualification and registration relative to the building code in Ontario. In addition, architects will not be subject to disciplinary action for preparing drawings for a building permit without the previously required 'building code designation number'. Effective immediately any architect in good standing with the OAA,

shall be recognized as having the necessary qualifications to apply for a building permit -- There no longer exists the need for placement of a building code designation number by an architect or Certificate of Practice holder on materials being submitted for permit.

We are pleased that the McGuinty Cabinet recognized the value of completing the necessary changes to our Regulations before the upcoming election, and for putting this issue on their agenda with expediency. We would particularly like to thank the Attorney General, Michael Bryant, and his staff, for their assistance in expediting the process.

We consider this the beginning of a new chapter in our relationship with the Min-

istry of the Attorney General and the Ministry of Municipal Affairs and Housing, and look forward to constructive engagement while meeting future challenges.

Placement of the Building Code Data Matrix continues to be a requirement under Regulation 27 in accordance with the guidelines established in OAA Practice Bulletin A.9. In addition, all drawings must include the name and designation of the Certificate of Practice holder and all documents accompanying an application for building permit or to be used to govern construction, enlargement, or alteration of a building must be prepared in their entirety under the personal supervision and direction of an architect, and bear the seal and signature of an architect. ■

Ontario Regulation 137/07

Applicable law update and technical and editorial changes to 2006 Building Code

This article was obtained from the website of the Ministry of Municipal Affairs and Housing (www.obc.mah.gov.on.ca).

On April 2, 2007, O. Reg. 137/07 was filed. This regulation amends the 2006 Building Code (O. Reg. 350/06) updating the list of applicable law, and making technical and editorial changes.

The list of applicable law has been updated to reflect new and amended legislation including: 1. amendments to the *Planning Act* made under the *Planning and Conservation Land Statute Law Amendment Act, 2006* (Bill 51); 2. O. Reg. 608/06 (Development Permits) made under the *Planning Act*; and, 3. the *City of Toronto Act, 2006*.

The list of applicable law under the Building Code will continue to be reviewed,

and further amendments will be proposed where appropriate.

Technical changes have been made relating to:

- stud wall reinforcement to facilitate future accessibility in residential washrooms in large buildings;
- removing the requirement for some elevators in small care occupancies to increase affordability and design flexibility; and
- clarifying the number of people that can be served by one washroom in certain occupancies such as restaurants, recreation and work camps.

Editorial changes have also been made to correct typographical errors and make clarifications to the 2006 Building Code.

Most of the changes to the 2006 Building Code resulting from O. Reg. 137/07 took effect upon filing. However, changes related to washroom wall reinforcement and the number of required water closets do not come into force until July 1, 2007 and transition provisions are included where an application for a permit is made before October 1, 2007. Further information is available at www.ontario.ca/buildingcode

Submitted by the Ministry of Municipal Affairs and Housing. ■

Province to Consult on Fire Sprinklers

McGuinty Government Believes Additional Measures Could Protect Families

This article was obtained from the website of the Ministry of Municipal Affairs and Housing (www.obc.mah.gov.on.ca).

The McGuinty government will hold a public consultation and information sessions on proposed changes to the Building Code that would require fire sprinkler systems in newly constructed multiple-unit residential buildings higher than three storeys.

“Ontario has one of the lowest rates of residential fire deaths in Canada,” said Jim Watson, Minister of Municipal Affairs and Housing. “Nonetheless, we believe we can make our buildings even safer, and we will consider the comments, ideas and concerns received through the consultations when finalizing any amendments to the Building Code.”



“Over a ten-year period between 1997 and 2006, 103 people have died in these types of multi-unit residential building fires,” said Rick Bartolucci, Minister of Community Safety and Correctional Services. “My ministry looks forward to partnering with the Ministry of Municipal Affairs and Housing to develop ways to reduce these tragedies and increase the safety of families and individuals across the province.”

A public consultation paper will be available Friday, February 15 on the Building Code website of the Ministry of Municipal Affairs and Housing at www.ontario.ca/buildingcode. Interested parties will have until May 1, 2008 to submit comments.

Public information sessions will be held in late March and early April 2008. The locations and dates of the information sessions will soon be posted on the Building Code website and on the Ministry of Community Safety and Correctional Services, Office of the Fire Marshal website at www.ofm.gov.on.ca.

“These consultations are a chance to build consensus and increase awareness about fire safety across the province,” said Ontario Fire Marshal Patrick Burke. “Everyone must understand that fire safety begins with prevention, and that smoke alarms and sprinklers can save lives and limit property loss.”

The Office of the Fire Marshal will use the information sessions to highlight fire safety challenges and home fire safety practices, and to discuss common misconceptions regarding residential sprinkler systems.

“Sprinklers can make a difference,” said Linda Jeffrey, MPP for Brampton-Springdale. “The proposed regulations would help protect what we value most, including those most at risk – seniors, the young and the disabled.”

Jeffrey previously introduced private members bills calling for sprinklers in new residential buildings.

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Office of the Fire Marshal Ministry of Community Safety and Correctional Services
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Is NFPA Standard 10-2007 Enforceable Under the Ontario Fire Code?

*By Dave Horne, P. Eng.,
OFM Fire Protection Engineer*

One of the new changes carried in the 2007 edition of National Fire Protection Association's (NFPA) Standard 10, “Portable Fire Extinguishers” applies to stored pressure dry chemical fire extinguishers. Provision 4.4.1. states, “Dry chemical stored pressure extinguishers manufactured prior to October 1984 shall be removed from service at the next six-year maintenance interval or the next hydrotest interval, whichever comes first.”

The reason that the NFPA 10 committee accepted the proposal for the removal of dry chemical stored pressure extinguishers manufactured prior to October 1984 was to improve the use of extinguishers by inexperienced operators. Changes to improve novice operation of extinguishers were made in UL's Standard 299 (Standard for Dry Chemical Fire Extinguishers) in 1984. These changes included:

- Extinguishers with a 2-A or 20-B or higher classification and rating were required to be equipped with a discharge hose (the hose assisted the user in holding the unit and directing the stream); and,
- New marking, use, and operating instructions and pictographs were required for extinguishers.

A question that is frequently being asked is: “Can Provision 4.4.1. of NFPA 10-2007 be enforced under the Ontario Fire Code?” The answer to this question is “no.” The Ontario Fire Code references an earlier edition of NFPA 10, which

continued from page 12



Note the lack of a discharge hose, and pictographs and diagrams for use and operation on the pre-1984 extinguisher. A later production extinguisher incorporates these features.

does not require removal of dry chemical stored pressure extinguishers manufactured prior to October 1984 from service. Therefore, provided the extinguishers comply with the applicable requirements in the Ontario Fire Code they are permitted to remain in service. ■

Residential Sprinkler Systems can go anywhere Homes are Built

One topic that has been the subject of great interest at numerous Fire Chiefs' conferences for the last few years is that of residential fire sprinkler systems. After hearing about the systems and their effectiveness, one Ontario Fire Chief decided he wanted to conduct some of his own research about the systems. In 2005, his findings led him to install a system in his new rural home. He hasn't looked back since.

For his entire life, Walkerton Fire Chief Ken Freiburger has lived on a rural property. When he and his wife chose to build a new 2,800 square foot home, Chief Freiburger again voted for a rural setting, only this time he wanted to include one innovative feature; a residential fire sprinkler system.

"I wanted to try it to see if it could be done successfully in a rural area," said Chief Freiburger. "If my family and I had the protection, then it could be offered to anyone living in a rural area."

After conducting Internet research and interviewing people in the fire service, he and his family decided to 'rough in' a system. He contacted Wirsbro, an American company that has a good reputation for its AQUAPEX piping and plumbing products. Now known as Uponor, the fire protection systems have a 25-year warranty, if installed by an Uponor-trained plumbing contractor. The installation took a little more than two days to complete and even included sprinkler heads in the garage. Each sprinkler head is fitted with a cap that blends in with the ceilings of the home. In terms of operability, the cap will release from the ceiling at 135°F and at 155°F the sprinkler head will activate.

"When I look at firefighter training in flashover situations and think about

what's happening now with new building materials for homes or hear about homes that have burned to the ground in less than five minutes, it makes firefighting look scary," says Chief Freiburger. "For all these reasons, I also had my home set up with interconnected smoke alarms on every storey and outside all sleeping areas, a carbon monoxide alarm in the basement, in addition to the sprinkler system to give my family the earliest possible warning to escape if a fire occurs. You may get some water damage, but certainly not the fatalities or injuries you may have had without them."

Given this installation was completed on a rural home, there was no municipal water pressure. But not even this hurdle proved too difficult to overcome. Chief Freiburger had a 4,000-gallon cistern with a 300-gallon sprinkler system capacity built on his new property. Collecting rainwater off the roof, the cistern pump always operates at a variable speed and can speed up as needed (i.e., fire situation).

Understandably, this pump is much bigger than most other homes because of its specific role in fire suppression. Also, given the size of the cistern, there is never any stagnant water. Fresh water constantly runs through the system and whenever someone flushes a toilet or turns on a tap, Chief Freiburger is assured his sprinkler system is working. The solution has created a maintenance-free system.

Another issue that arose from installing the system in 2005 was that residential sprinkler systems were not widely recognized by insurance companies. Chief Freiburger went back to his research, calling insurance brokers before settling on a price.

"When we built the home, I called a few insurance companies and told them I had

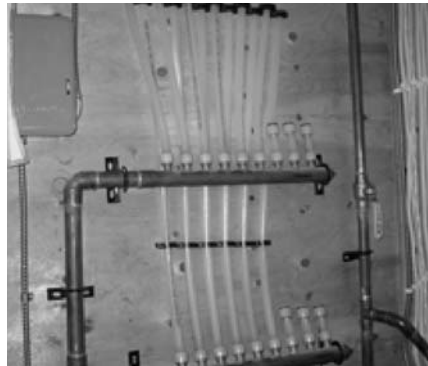
a sprinkler system,” said Chief Freiburger. “I had to rattle their chain a little bit to get a quote but in the end, compared to what the quote would have been without sprinklers, the price I paid was very reasonable.”

Generally, residential fire sprinkler systems can cost homeowners about one to one and half per cent of the cost of their home’s value. Although Chief Freiburger may have paid a bit more for a sprinkler system off municipal water, he still maintains that it compares reasonably with other options such as installing a hot tub or granite countertops.

“If someone spends \$400,000 on their home and then wishes to invest another \$6,000 to \$8,000, why not install a sprinkler system. Compared with the other home improvement options, sprinkler systems can save you money on your insurance premium and provide you with added security and protection from fire in your home.”

Since the sprinkler system’s installation, Chief Freiburger has not had a single problem with it, nor has it ever activated. He believes it is one of the best investments that he has ever made for the safety and protection of his family. It’s just like he and a crew are physically at the house 24/7.

A picture of the piping headers that supply the water to the system. The system requires a flow rate of 30 gallons per minute and it is through these tubes that the water is distributed.



A picture of the sprinkler head and piping in the ceiling before the drywall was installed in the Chief’s mechanical room. A picture of how the finished product looks in all the ceilings. If a fire were to occur, the cap on the sprinkler head would separate at 135°F and allow the sprinkler head to activate at 155°F. ■



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CFSA Dinner Meeting Summary – October 17, 2007 – Zero Tolerance

This article was prepared by Jason Scovell, Fire Prevention Officer for the Town of Markham.

On October 17, 2007 the CFSA held a dinner meeting presentation on the topic of “The Impact of Zero Tolerance on Public Safety”. The speakers were Mr. Jim Jessop, Assistant Fire Chief of Niagara Falls, and Ms. Nancy Macdonald, Regional Prosecutor of the municipality of Niagara.

The presentation began with an overview of significant fires of the past that could have been prevented with enhanced code enforcement. Of particular note was the fire in October, 2004, in South America’s tallest high rise office building located in Caracas, Venezuela. That fire spread from the 34th floor to the 50th floor, and although the building was fully sprinklered, the system was never properly tested or maintained. Not only was the sprinkler system inoperative, but the standpipe system was also not functioning, and the fire alarm system was not properly installed either. The lesson in the end was to highlight the importance of on-going inspection, testing and maintenance of fire safety systems.

The focus then shifted to an examination of current fire department culture, which includes giving time to allow for compliance. This is a practice that needs to end in the Province of Ontario. First in Windsor, and later in Niagara Falls, fire departments have begun using a Zero Tolerance approach to certain “big ticket” items, such as the installation of smoke alarms. Fire departments in general will have to depart from the idea that they are the “nice guys” and make a move towards strict enforcement of the Ontario Fire Code. Even the public has demanded this for many years. Results from the 1983 Webber Inquiry into Fire Safety in Highrise Buildings, various Coroners’ juries and the tragic fire in Rhode Island in 2003 have all pointed to

the importance of immediate and strict fire code enforcement.

In the fire prevention field, there are many challenges to overcome. Applying fire code concepts uniformly across jurisdictions, ensuring that building owners are notified of fire code deficiencies, pursuing compliance and maintaining complete and accurate records of inspections are essential within any fire prevention division. Failure in overcoming any of these is no longer an option as case law precedents continue to grow. In Niagara Falls, the approach has been very clear. There is zero tolerance for violations of the Ontario Fire Code that could have an immediate impact on life safety. This would include smoke alarms, fire alarm systems, sprinkler systems, self-closing devices, exits, commercial cooking, and unsecured vacant buildings. As for retrofit issues, there is no time for compliance. As for marijuana grow operations, zero tolerance is an obvious essential tool.

To be effective, a zero tolerance program must be at the direction of the fire chief, supported by the municipality, mandated by the Fire Department and maintained as an on-going and consistently applied approach. There must be a positive and close working relationship with the prosecutor, which can be enhanced by inviting him or her to attend and view fire code violation scenes. There must also be a set of sentencing principles in place to ensure the message is sent out loud and clear. An example would be ensuring that fine recommendations are set at a minimum of 10% of the maximum fine, especially for smoke alarms.

In Niagara Falls the zero tolerance approach has been very successful. The Niagara Falls Fire Department has accumulated over \$1.5 million in fines, and

prosecuted 6 custodial sentences. These results have ensured that the message has been sent out loud and clear to the surrounding business community as there has been a measurable reduction in assembly occupancy and restaurant occupancy fire code charges over the ensuing years. Businesses have also appreciated the fact that all fire prevention officers are treating every business the same way, which in their view levels the playing field for all of them.

Other key elements in a successful zero tolerance program include informing the public of case results, and being wary of and prepared for the misuse of the due diligence defence, or the definition of “owner”, by defendants. Another tool at the fire prevention officer’s disposal is the criminal code offence of Arson By Negligence, as noted in CCC 436.1. In co-operation with the fire department, the police and the OFM, this charge can be laid where the circumstances warrant a significant response to serious offences. Fire prevention professionals should not shy away from the use of this tool as they carry out their enforcement duties.

In summation, why should any fire department establish a zero tolerance approach? It limits municipal exposure to liability, it deters criminal activities, and it serves to educate the general public that compliance with the Fire Code is their responsibility. Also, it contributes to a reduction in the number of unnecessary deaths and injuries due to lack of fire code compliance, and creates a new cultural norm of “prevention by compliance”. The sooner the fire departments of Ontario choose the zero tolerance path, the sooner all of our communities will reap the benefits of the enhanced safety and quality of life that this approach inevitably produces for everyone. ■

Welcome to the following
New Members



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Niagara Falls Fire Service
Dryerfighters

INDIVIDUAL

Alexandra Chow
Anh Trinh
Randy Wiken
Blany D'Cunha
Larry Young
Mark Berti

STUDENT

Nino Ferrante
Jordan Blake
Oleksandr Maystrenko

CFSA SCHEDULED EVENTS



DINNER MEETING FACILITIES:
Delta Markham Hotel
(previously the Radisson Hotel Toronto-Markham)
50 East Valhalla Drive, Markham
(southeast corner Hwy 7 and Hwy 404)

CFSA TECHNICAL SESSIONS

APRIL 2, 2008
Standards Update - Preview New Canadian Requirements for Commercial Cooking Equipment & Systems Installation & Use
Speaker: Tony Crimi,
A.C. Consulting Solutions

CFSA DINNER MEETINGS

MARCH 19
Planning Evacuation for a large, Complex Facility
Speaker: Jim Maddin,
Canada's Wonderland

APRIL 17 & 18
Annual Education Forum - Above and Beyond the Codes - Life Safety and Fire Risk Management Strategies

OTHER EVENTS

APRIL 2 - 5
NASCC: The Steel Conference
Nashville, TN

April 16 - 18
7th International Conference on Performance Based Codes and Fire Safety Design Methods
Auckland, New Zealand

OTHER EVENTS

APRIL 23 - 25
International Firestop Council
Spring 2008 Meeting
Hilton Head, SC

APRIL 26 - 30
Ontario Association of Fire Chiefs
56th Annual Conference and Trade Show
Toronto, ON

MAY 1
Canadian Fire Alarm Association
An Update on Standards, Technologies and Solutions
Toronto, ON

MAY 31 - JUNE 5
Fire Chiefs Association of BC
2008 Conference and Fire Service Expo
Kamloops, BC

JUNE 2 - 5
National Fire Protection Association
World Safety Conference & Exposition
Las Vegas, NV

JUNE 8 - 10
Canadian Automatic Sprinkler Association
Annual General Meeting
Victoria, BC

JUNE 9 - 12
OMFPOA 52nd Annual Training & Education Symposium
"Turning Up the Heat"
Richmond Hill, ON

SEPTEMBER 21 - 24
Canadian Association of Fire Chiefs
2008 Conference
Whitehorse, Yukon

Membership Application Form

Why Corporate Membership?

Corporate Membership is cost effective because it allows any number of individuals from your organization to participate in the many functions provided by CFSA throughout the year. Any number of persons can attend our monthly dinner meetings/ technical sessions or our annual conference at the preferred member's rate. Your advertisement in the CFSA journal is circulated to CFSA's membership of over 250 professionals in the Fire Safety Industry.

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Same as Basic Corporate as well as a 1/2 page advertisement in each of the four issues of the CFSA journal.

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Company/Affiliation _____

Address _____

City _____

Prov. _____ Postal Code _____

Business Phone _____

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E-mail _____

Please indicate how you first heard about CFSA: _____

Please indicate in the appropriate box the category that best describes your vocation:

- | | |
|---|---------------------------------------|
| <input type="radio"/> Architect | <input type="radio"/> Engineer |
| <input type="radio"/> Building Official | <input type="radio"/> Fire Service |
| <input type="radio"/> Insurance Industry | <input type="radio"/> Fire Consultant |
| <input type="radio"/> Fire Protection Manufacturer/Supplier | |
| <input type="radio"/> Building Owner/Developer/Manager | |
| <input type="radio"/> Other (please specify) | |

Individual Member: Includes four issues of the CFSA journal, CFSA news and discounted rates at Association functions.

Student Member: Includes four issues of the CFSA journal and discounted rates at Association functions.

Associate Member: For individuals and companies located beyond a radius of 500 km from the Greater Toronto Area. Includes four issues of the CFSA journal and discounted rates at Association functions.

Provincial/Territorial Chapter: For groups of members within a province or territory. Includes 4 individual memberships; member rate for all staff at dinner meetings, technical seminars and Annual Education Forum; Recognition in each of the four issues of the CFSA journal. Contributes articles in CFSA journal.

2008 Membership Fees

	Fee	+5% GST	Total
<input type="radio"/> Class 4 Corporate	\$ 670.00	\$ 33.50	\$ 703.50
<input type="radio"/> Class 3 Corporate	\$ 775.00	\$ 38.75	\$ 813.75
<input type="radio"/> Class 2 Corporate	\$ 960.00	\$ 48.00	\$ 1,008.00
<input type="radio"/> Class 1 Corporate	\$ 1,290.00	\$ 64.50	\$ 1,354.50
<input type="radio"/> Basic Corporate	\$ 390.00	\$ 19.50	\$ 409.50
<input type="radio"/> Individual	\$ 80.00	\$ 4.00	\$ 84.00
<input type="radio"/> Student	\$ 25.00	\$ 1.25	\$ 26.25
<input type="radio"/> Retired	\$ 25.00	\$ 1.25	\$ 26.25
<input type="radio"/> Associate	\$ 50.00	\$ 2.50	\$ 52.50
<input type="radio"/> Provincial/Territorial Chapters	\$ 200.00	\$ 10.00	\$ 210.00

Method of Payment:

Cheque Enclosed \$ _____

Account # _____

Expiry Date _____

Signature _____

Please return this completed form with membership fees to:

Canadian Fire Safety Association

2175 Sheppard Avenue East, Suite 310, Toronto, Ontario M2J 1W8

Telephone: (416) 492-9417 • Fax: (416) 491-1670

E-mail: cfsa@taylorenterprises.com • www.canadianfiresafety.com

CFSA Policy Statement

The Federal Government has introduced new privacy legislation effective January 1, 2004. CFSA respects your privacy and has included their privacy statement on the CFSA website at www.canadianfiresafety.com for your review.

CFSA does not share your information with any other organization. Paying your membership renewal with CFSA indicates that you wish to continue receiving Association information.



CANADIAN FIRE SAFETY ASSOCIATION ANNUAL EDUCATION FORUM - 2008

APRIL 17 & 18, 2008

DELTA MARKHAM HOTEL, MARKHAM, ONTARIO

Above & Beyond the Codes - Life Safety and Fire Risk Management Strategies

EXHIBITOR REGISTRATION FORM

Show Times: Thursday, April 17, 2008 6:00 pm - 10:00 pm
Friday, April 18, 2008 7:45 am - 3:30 pm

Exhibitor Setup: (Thursday 3:00 pm to 6:00 pm) **Exhibitor Tear Down:** (Friday 3:30 pm – 5:00 pm)

Exhibit package includes:

- Opportunity to present to Forum participants
- Rental of the booth space (approximately 6' x 8')
- Two (2) chairs (if requested)
- One (1) draped trestle table (if requested)
- Access to electricity (if requested)
- Thursday Ice Breaker Reception 6:00 pm to 10:00 pm
- Friday Breakfast, Lunch & Refreshment Breaks (1 ticket)
- Company profile in conference booklet (Must be forwarded to CFSA office prior to March 7, 2008)

Company / Municipality: _____

Address: _____

City: _____ Prov/State: _____ Postal/Zip Code: _____

Phone: _____ Fax: _____

Contact Person: _____ Email: _____

Signature: _____ Website: _____

Electricity required? YES NO

Draped trestle table required? YES NO (We will bring a table with our Display Unit)

Chairs requested: ONE TWO NO (We will have seating arrangements) Number of representative(s) attending: _____

Name(s) of representative(s) attending: _____

Options Costs:

Exhibit Package (Corporate members only) \$350.00

Friday Meal Package _____ x \$ 75.00 _____
(includes breakfast, lunch & refreshment breaks)

Additional Forum Tickets (includes breakfast, lunch, refreshment breaks and full Friday program)

Early Bird _____ x \$195.00 _____

After February 28, 2008 _____ x \$225.00 _____

SUB-TOTAL _____

GST (5%) _____

TOTAL _____

 or make cheque payable to:
"Canadian Fire Safety Association"

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The cardholder agrees to pay the issuer of the charge card the amount in accordance with the issuer's agreement with the cardholder.

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CANADIAN FIRE SAFETY ASSOCIATION ANNUAL EDUCATION FORUM - 2008

APRIL 17 & 18, 2008
DELTA MARKHAM HOTEL, MARKHAM, ONTARIO

Above & Beyond the Codes - Life Safety and Fire Risk Management Strategies

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Please indicate your choice below or contact us for further information

Platinum [\$2,000] <input type="checkbox"/>	Gold [\$1,000] <input type="checkbox"/>	Silver [\$500] <input type="checkbox"/>	Bronze [\$250] <input type="checkbox"/>
Sponsorship of one of the following: <input type="checkbox"/> CFSA Scholarship Awards Luncheon <input type="checkbox"/> Education Forum Program Will provide the sponsor with the following benefits: <ul style="list-style-type: none"> • Three (3) complimentary registrations to the Annual Education Forum • Full Page ad in the program • Recognition in the CFSA News • Logo on event brochure • Signage at the event • Website visibility (3 months) 	Sponsorship of one of the following: <input type="checkbox"/> Continental Breakfast <input type="checkbox"/> Coffee break #1 <input type="checkbox"/> Coffee break #2 <input type="checkbox"/> Name Badges Will provide the sponsor with the following benefits: <ul style="list-style-type: none"> • Two (2) complimentary registrations to the Annual Education Forum • Half Page ad in the program • Recognition the CFSA News • Logo on event brochure • Signage at the event • Website visibility (3 months) 	Silver sponsorship includes the following benefits: <ul style="list-style-type: none"> • One (1) complimentary registration to the Annual Education forum • Quarter Page ad in the program • Recognition in the CFSA News • Logo on event brochure • Signage at the event • Website visibility (3 months) 	Bronze sponsorship includes the following benefits: <ul style="list-style-type: none"> • Recognition in the CFSA News • Logo on event brochure • Signage at the event • Website visibility (3 months)
* SIGNAGE PROVIDED BY CFSA			

Company Name

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City Prov P/C

Phone - - Fax - -

Contact Person

Email

or make cheque payable to CFSA

Credit Card #:

Expiry Date: /

Name on Card (please print): _____

Signature: _____

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CANADIAN FIRE SAFETY ASSOCIATION ANNUAL EDUCATION FORUM - 2008

APRIL 17 & 18, 2008
DELTA MARKHAM HOTEL, MARKHAM, ONTARIO

Above & Beyond the Codes – Life Safety and Fire Risk Management Strategies

Preliminary Program at a Glance

THURSDAY APRIL 17, 2008

- 5:30 p.m. Registration
- 6:00 p.m. – 8:00 p.m. **Bus Tour – Greater Toronto Airport Authority Education Facility**
(www.gtaa.com/local/files/en/Corporate/Publications/BrochureFesti.pdf)
- 8:00 p.m. – 10:00 p.m. **Reception and Trade Show** – includes short presentations from each of our participants

FRIDAY APRIL 18, 2008

- 7:45 a.m. – 8:30 a.m. Registration and Breakfast
- 7:45 a.m. – 8:15 a.m. Annual General Meeting
- 8:30 a.m. – 9:15 a.m. Welcome from the CFSA President
- Keynote Address from Fire Marshal Patrick Burke
“Are You Prepared?”**
- 9:15 a.m. – 10:15 a.m. **“Emergency Preparedness for Public Transportation”**
Speaker: Mr. Nigel Fontaine, TTC Emergency Planner
This presentation will address how the Toronto Transit Commission prepares for emergencies, both large scale and small – including operational control affecting trains, connecting regional and local buses, and mass evacuations.
- 10:15 a.m. – 10:45 a.m. Break & Trade Show
- 10:45 a.m. – 12:00 a.m. **CONCURRENT SESSIONS:**
Breakout Session 1
Room A
“Limiting the Potential for Fire and its Effects; Limiting Business Interruption”
Speaker: Mr. Michael Smith – *ReadySmith*
Business interruption affects operations, image and reputation. This presentation will provide an overview of emergency preparedness for businesses, identifying potential risks and the effects of interruption. Effective prevention and mitigation strategies will be covered, as well as business continuity planning.

Room B

“Fire Protection and Risk Management at the Municipal level”

This presentation should be of particular interest to municipal CAOs and Fire Chiefs, and consultants in developing risk management strategies and Master Fire Plans for their municipalities.

- **Risk Management Strategies for Municipalities**

Speaker: Mrs. Carol-Lynn Chambers,
Operations Manager & Chief,
Emergency Planning & Strategic Development
– Office of the Fire Marshal

Full description to follow.

- **Shaping Fire-Safe Communities – the Benefits of Master Fire Planning**

Speaker: Ms. Melanie Arsenault, Program Specialist,
Emergency Planning and Strategic
Development – Office of the Fire Marshal

12:00 a.m. – 1:00 p.m.

Lunch
Student Awards Presentation – Mr. Rich Morris

1:00 p.m. – 1:45 p.m.

**TTC Command Bus
Extinguisher Training**

1:45 p.m. – 3:00 p.m.

Breakout Session 2
Room A

CONCURRENT SESSIONS:

“Managing the Risk of Fire and its Effects – through design, plan review, inspections and fire safety plans”

Panel Discussion on the positive effects on fire prevention through a team approach at the design stage, of a complex project:

- **The William Osler Health Centre**

Speakers: Chandra G. Suchak - Parkin Architects Ltd.
Kevin Kelly – Office of the Fire Marshal
To be announced – Life Safety Consulting
Brian Maltby, Division Chief, Fire Prevention -
Brampton Fire Department

Continued...

This forum should appeal to property owners/managers, designers and consultants, and those in the building and fire safety industry. It should also appeal to municipal Chief Fire Officials and Chief Administrative Officers.

CANADIAN FIRE SAFETY ASSOCIATION ANNUAL EDUCATION FORUM

April 17 & 18, 2008

Delta Markham Hotel, 50 East Valhalla Drive, Markham

Preliminary Program at a Glance

1:45 p.m. – 3:00 p.m.	CONCURRENT SESSIONS Cont'd.
Room B	<p>“Assessing and Analyzing your Municipal Risks” Speaker: Ms. Melanie Arsenault, Program Specialist, Emergency Planning and Strategic Development – Office of the Fire Marshal</p> <p>A workshop developed to assist CAOs, Chief Fire and Officials on how to analyze risks, assess capabilities, and identify gaps in their municipality, while working towards the development of a Master Fire Plan.</p>
3:00 p.m. – 3:30 p.m.	Break & Trade Show
3:30 p.m. – 4:45 p.m.	CONCURRENT SESSIONS:
Breakout Session 3 Room A	<p>“Security Systems and Fire Safety – are they exclusive?” Panel discussion describing from a Code perspective, and with practical examples, how Security Systems and Fire Safety Systems can be successfully integrated</p> <p>Speakers: Randal Brown, P.Eng., Randal Brown & Associates Security consultant – to be announced Greater Toronto Airport Authority – to be announced Ontario Power Generation – to be announced</p>
Room B	<p>“Workshop Session – Performance Benchmarking” Speaker: Mr. Vincent Liu, Program Specialist, Emergency Planning and Strategic Development – Office of the Fire Marshal</p> <p>High-level overview to show how the Performance Measurement and Benchmarking System, and the newly developed local data entry system can assist your municipalities.</p> <p>“Conclusion: Integrating the Systems to help Shape your Municipal Master Fire Plan” Speaker: Ms. Melanie Arsenault, Program Specialist, Emergency Planning and Strategic Development – Office of the Fire Marshal</p>
4:45 p.m. – 4:50 p.m.	Closing Remarks

Registration Form




Name: _____
 Title: _____
 Company: _____
 Address: _____
 City: _____
 Province: _____ Postal Code: _____
 Business Phone: _____
 Fax: _____
 Email: _____

Would you like your confirmation sent by: Email Fax Regular Mail

Registrations	Fee	Total
THURSDAY, APRIL 17, 2008 - Bus Tour, Trade Show & Reception		
Members	\$25.00	_____
Non-Members	\$30.00	_____
FRIDAY, APRIL 18, 2008 - Annual Education Forum (includes breakfast, lunch, coffee breaks and full program)		
Member Rate		
Early bird	\$195.00	_____
After February 28, 208	\$225.00	_____
Non-Member Rate		
Early bird	\$250.00	_____
After February 28, 208	\$300.00	_____
GST Registration #12620 8610 RT0001	Plus 5% GST	_____
Total		\$ _____

Cancellations will be accepted until April 3, 2008.
 After April 3, 2008, only substitutions will be permitted.

- I am interested in having an exhibitors' booth at the Trade Show, please contact me.
- I am interested in bringing my spouse. Do you have a spousal program?
- Please send me membership information on the Canadian Fire Safety Association.

Cheque Enclosed \$ _____   

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Please make cheques payable to:
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This symposium qualifies for professional development towards NFPA/CFPS Recertification. This Symposium also counts for Self-Directed Learning Points under the OAA Continuing Education Program.

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Grant Neal
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CANADIAN FIRE SAFETY ASSOCIATION 2008 SCHOLARSHIP ENTRY FORM

\$5,400.00 in Scholarships

THE SCHOLARSHIPS:

★ **\$1,000.00 - CFSA Peter Stainsby Award**

Presented to the TOP GRADUATE of a 3 year full-time Fire Protection Technology Course, who has excelled with outstanding leadership, motivation and technical skills and an overall academic proficiency.

★ **\$850.00 - CFSA Fire Safety Award**

Presented to the TOP STUDENT having completed year 2 of a 3 year full-time Fire Protection Technology Course with outstanding leadership, motivational and technical skills and overall academic proficiency.

★ **\$850.00 - CFSA Leber Rubes Inc. Award**

Presented to a TOP YEAR 2 STUDENT of a 3 year full-time Fire Protection Technology Course with exceptional overall skills in Fire Alarm System Technology and an academic proficiency 3.25/4.00.

★ **\$850.00 - CFSA Randal Brown & Associates Award**

Presented to a TOP YEAR 2 STUDENT of a 3 year full-time Fire Protection Technology Course with exceptional overall skills in Codes/Standards Technology and an academic proficiency of 3.25/4.00.

★ **\$850.00 - CFSA Nadine International Inc.**

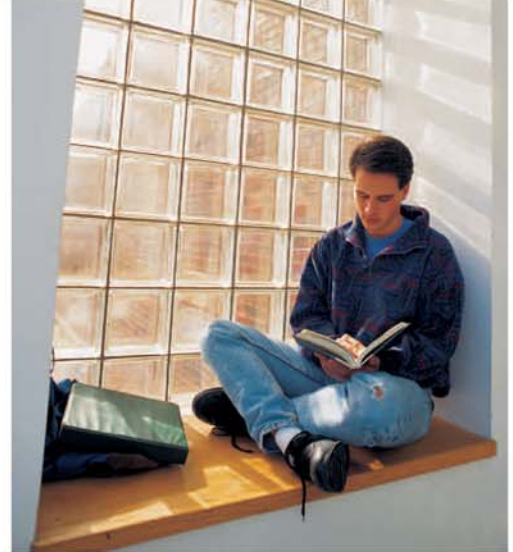
Presented to a TOP YEAR 2 STUDENT of a 3 year full-time Fire Protection Technology Course with exceptional overall skills in Fire Suppression Technology and an academic proficiency of 3.25/4.00.

★ **\$500.00 - CFSA Underwriters' Laboratories of Canada Award**

Presented to a TOP YEAR 2 STUDENT of a 3 year full-time Fire Protection Technology Course, with exceptional academic skills in Codes and Standards and an overall proficiency of 3.25/4.00.

★ **\$500.00 - CFSA Underwriters' Laboratories of Canada Award**

Presented to a TOP 1ST YEAR STUDENT of a 3 year full-time Fire Protection Technology Course, with exceptional academic skills in all subjects and a proficiency of 3.25/4.00.



QUALIFICATIONS AND RULES:

- 1) The recipients must be enrolled in a Fire Protection Technology Course at a Canadian college or university.
- 2) All CFSA Scholarship Awards entries (c/w academic grades) must be submitted by March 15, 2008 to:
Mr. Antony Vanodyk, Co-ordinator,
School of Fire Protection Technology, Seneca College,
150 Finch Avenue East, Toronto, ON M2J 2X5
- 3) All entries become the property of the Canadian Fire Safety Association.
- 4) Awards Ceremony will take place on April 18, 2008 at the CFSA Annual Education Seminar. All Award Recipients are invited to attend the full day CFAA Education Forum, as a guest of the CFSA and its distinguished Scholarship Sponsors.

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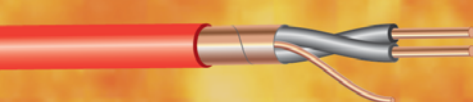
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