



Capital Communiqué

ASHRAE - AMERICAN SOCIETY OF
HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS

<http://www.ashrae.ottawa.on.ca> OTTAWA VALLEY CHAPTER e-mail: contact@ashrae.ottawa.on.ca

October 2003

PROGRAM

DATE: October 21, 2003
THEME: TEGA / STUDENT ACTIVITIES
PROGRAM: Debate on design and construction approaches

What is the best design and construction approach?

Recently, more owners have opted to hire general contractors to lead their construction projects from design through implementation. This new approach has moved the architect and the design team from the owner's umbrella to that of the general contractor. In this new approach, there are two different schools : Design-Build and Construction Management. Our two invited general contractors will present and defend their preferred approach. We also invited an architect to defend the traditional bid and spec approach.

This program will be of interest to a wide audience, including: **engineers, facilities managers, owners, architects, contractors, project managers, suppliers, financial managers, purchasers...**

Speakers:

Pro-design/build approach : John Westeinde, President, Westeinde Construction
Pro-construction management approach : Jean Daoust, President, Daoust Construction
Pro-bid & spec approach : Philippe Doyle, Partner, Lemay Dorval Fortin Doyle Architects

Moderator:

Joel Primeau, Account Manager, Trane Ottawa

Debate Format:

- Each debater will have 8 minutes to present their point of view. Speaking order will be determined at random.
- Each debater will then be allotted 4 minutes for rebuttal.
- We will then open the floor for questions. The questions can be directed at one or two or all three of the debaters.

PLACE: Capone's Banquet Facility, Nepean Sportsplex, 1701 Woodroffe Ave, Nepean

TIME: Social: 17:30 Dinner: 18:30 Program: 20:00

MENU

Black Bean, Chick Pea & Roma on Boston Lettuce Phyllo Stuffed Chicken with Duxelle and Grain, Mustard Sauce with rice, Seasonal Mixed Vegetables, Rolls & Butter, Coffee & Tea, Pumpkin Pie

2003 -2004

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Table Top

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PRESIDENT'S MESSAGE

We had a great turnout at our September Chapter meeting. It was certainly a pleasure to welcome back all the familiar members and welcome some new faces as well.

The theme for the October Chapter meeting is TEGA and Student Activities.

TEGA (Technical, Energy and Government Activities) encourages Chapter member participation in technical activities at the local, regional and Society levels. This includes providing Chapter input on standards, publications, research, handbooks, and position papers. I would encourage our membership to get involved at both the Chapter and Society levels as ASHRAE offers leading edge technical information and insight into the development of standards and technical guidelines.

The continued strength of ASHRAE Society and indeed of our Chapter depends on future members. We need to actively promote and encourage participation in ASHRAE by students as they represent the future of our industry. Our Chapter has been active in promoting student involvement and must continue to do so. To this end, we are holding our first Student Night of the year at the October meeting. We kindly request your assistance in sponsoring a student's meal for the evening. Please contact our Student Activities chair Chris Fudge (Tel. 820-8111, Email cfudge@trane.com) or myself if interested.

We have a great program planned. I hope to see there.

Jason MacMurdo, P.Eng.
Ottawa Valley Chapter President 2003-2004

TECHNICAL SESSION: REFRIGERATION SYSTEM COMPONENTS

Topic: An in-depth presentation of the various components in a refrigeration system. Evaporators, condensers, expansion valves, filter-driers, sight glass, solenoid valves, access ports, etc. will all be discussed. This presentation is aimed primarily at junior engineers and designers, but all are welcome and all will benefit from this presentation.

Speaker: Joel Primeau, Account Manager, Trane Ottawa

Place: Capone's Banquet Facility, Nepean Sportsplex, 1701 Woodroffe Ave, Nepean

Time: 16:30

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TABLE TOP DISPLAY


Brian Eustace of Walmar will be on hand along with Elliott Picken of M.K.Plastics for our tabletop presentation at the October ASHRAE meeting. M.K.Plastics is a manufacturer of corrosion resistant FRP fans.

Please contact Gary Hartmann at 728-0060 regarding future tabletop displays.

ASHRAE OTTAWA VALLEY CHAPTER MEETING LOCATION

Our meeting location is **Capone's Catering** at the Nepean Sportsplex, 1701 Woodroffe Avenue, Nepean. We meet in the "Richmond Room". Enter Capone's from the rear of the Sportsplex at Entrance #4. Parking is available at the rear.

Make sure you lock your car and bring your valuables with you.



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TEGA

October is TEGA month. Your TEGA committee will be beginning its formal activities shortly. We are always looking for fresh legs; so if you're considering joining a committee, please give us a ring.

Early in the new year, we will be seeking nominations for TEGA awards and we hope many of you are already thinking about this. This is a great opportunity to showcase Ottawa engineering know-how. Past winners of the chapter awards have gone on to win regional awards as well as Society awards. The process to enter a project is very simple by design. There are awards for residential, commercial and institutional projects. It's very easy to enter.

Our technical library located at the OCA on Bronson Avenue continues to grow. If you have old manuals or standards that you don't need, let Niraj Chandra (PWGSC) know and he'll be happy to add to our collection. Don't be shy either, go visit it! And tell the contractors about it; they don't typically have access to these standards, but in Ottawa, they do!

A new focus of our committee this year will be the review of chapters of ASHRAE manuals. Every year, as you know, the manuals are updated. We have many bright local people in our industry and we want to tap into this experience and knowledge. To this end, we will be organizing mini-committees to review certain chapters of the manual. Each member of these mini-committees will read the chapter and offer his/her comments on the chapter's content, appearance, structure, etc. Your TEGA committee will collect and tabulate the comments and forward them to ASHRAE. We are hoping to review 5 to 10 chapters using mini-committees of 4 to 6 people. And if you end up as a committee of 1, we'll gladly forward your comments to Society as well.

We will also endeavour to approach our colleagues in government to entice them to come to our meetings. We used to have a healthy contingent of engineers, designers, and facilities managers from government and their numbers have dwindled to a handful. We have great programs and we need to have more public servants attend our meetings. We are open to suggestions; any ideas to increase attendance from this group will be welcome.

Joel Primeau
TEGA chair

BUSINESS CARD ADS

You can support your chapter and promote your business by placing your business card in the Capital Communiqué. It will appear in the electronic and printed version as well as on the Chapter website.

Cost is \$225.00 for the year.

Contact Rod Lancefield, rod@htseng.com, 728-7400

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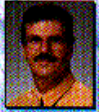
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


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VENTILATION & FILTRATION PRODUCTS


WHAT YOU MISSED

Program: Healthcare Food Services (HFS) Design Build
Speaker: Marc Chiasson, Mechanical Engineer and Project Manager - Genivar Consulting Group in Ottawa

Mr. Marc Chiasson described the Healthcare Food Services plant, located at 1010 Dairy Drive. He informed us that the Canadian Food Inspection Agency (CFIA) protects the quality of food, but there are no standards for food processing. CFIA's main focus is animal health, processing and quality, where it has established standards. With the need for just in time food processing, large food processing facilities such as this are required. Mr. Chiasson presented various aspects of the design, as below:


- Standards
- Design Guidance

Mr. Chiasson described the advantages of design build and informed of the main requirements of the design, including: Cleanliness, Air Flow, No Insects, Sanitary Hygiene, and Low Contamination risks. He described the high cost of the facility and of the ice building for food freezing using a Simco plant and steam for heat.



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