



## LEEP Gas Mechanicals Technology Forum



March 15, 2018 from 8:00 am to 3:30 pm

Symposium Room, Campus Centre, SAIT

1301 16 Ave. NW, Calgary, Alberta

(See map for location and parking)

**This forum responds to builder needs expressed at CHBA's Technical Research Committee. Local delivery is supported by:**



**BILD**  
ALBERTA

Canadian  
Home Builders'  
Association



**ATCO**



CANADIAN GAS ASSOCIATION  
ASSOCIATION CANADIENNE DU GAZ

### The Forum is primarily for:

**Builders and renovators:** This Forum will help you deliver greater comfort throughout your more challenging homes during summer heat waves, winter cold spells, and all the part load conditions in-between. It will introduce guides you can use when coordinating work with HVAC designers, and HVAC contractors, home designers, and window suppliers. It will help you make sure that you get advice on the items you need from each of these experts. It will also provide you with four mechanical solutions for a two-storey 'case study' home.

**Designers and contractors:** This Forum provides new guides you can use to design and specify HVAC systems for today's housing. You can use them to quickly verify design decisions with builders and renovators so you can proceed with your designs expediently. Innovative solutions using different types of gas mechanical systems will also be reviewed.

**Building Officials:** This Forum will let you consider emerging HVAC solutions for today's and tomorrow's homes, both in terms of equipment and air distribution. It will provide you with guides you can consider as you review installations in today's housing.

**Registration:** Cost: \$60 + GST. Includes lunch.

**BILD Calgary Region members:** By account login: [bildcr.com](http://bildcr.com)

**Non-Members:** Email [info@bildcr.com](mailto:info@bildcr.com) with name, company, credit card and event name; or call: 403-235-1911



## REGISTRATION AND REFRESHMENTS (8:00 - 8:30 am)

Welcome – Guy Huntingford, CEO, BILD Calgary Region

Opening Remarks – Mike Shaw, Vice President, Calgary Region Operations, ATCO

Plan for Today – James Glouchkow, Forum Moderator & LEEP Team Leader, NRCan

## Panel Session: The heating and cooling needs of today's housing

This panel discussion will focus on:

1. How heating and cooling needs are changing in response to ongoing changes in the housing market including  
a) a shift in form towards attached, tall, and/or open concept designs b) more energy efficient construction practices, and c) more clients with high comfort expectations and information from the internet.
2. Mapping these changing HVAC needs to ways in which they can be addressed.

**Panel – Builder:** Ryan Scott, Avalon; **HVAC Design & Contracting:** Matthew Kramer, Horizon; **Energy Advisor:** Tyler Hermanson, 4ElementsDesign; **Design and Technology:** David Silburn, SAIT

## COFFEE BREAK

## Demonstration: Working with your HVAC designer to enhance comfort and save cost

Learn how to use a new guide to find an HVAC system for your next project that cost effectively increases comfort and efficiency while reducing your risks. Simply providing better information on what you do now may save you \$500 to \$1000 a home.

1. **Builder:** Introduces the two storey case study home.
2. **Builder and designer:** Use a new guide together to decide on the type of HVAC system to deploy.
3. **HVAC designer:** Illustrates the resulting design.

**Demonstration providers – Builder:** Rick Gratton, Brookfield & **HVAC Design:** Matthew Kramer, Horizon

## LUNCH

## Comparing Heating and Cooling Solutions: 4 innovative options for today's homes

The gas utilities wanted to show some efficient high performance systems and selected the following presenting manufacturers through an open two staged process. *Note: presentations closed to other HVAC manufacturers.*

1. **Panel:** Review the elements needed for high performance systems.
2. **Presentations:** Each will present their best practice solution for the case study home including costing.

**Manufacturers – Philippe Verhas, Dettson; Steve Bagshaw, NTI; Tim Prevost, ESP; & Ramzi Handal, iFLOW**

**Key Takeaways – James Glouchkow, Forum Moderator & LEEP Team Leader**

**WRAP-UP (by 3:00 pm)**

**Manufacturers available until 3:30**

## Notes:

**Forum Development:** This forum was developed by Natural Resources Canada's (NRCan's) LEEP team in partnership with the Canadian Gas Association and member utilities: Atco Gas, Enbridge, SaskENERGY, and Union Gas. NRCan's LEEP is a builder and renovator driven technology to market initiative delivered by NRCan's Office of Energy Research and Development. To find out more, web search: **nrcan leep**.

**Contributions:** We would like to thank the BILD Calgary Region for hosting this event, and ATCO Gas for supporting its delivery. Participant fees cover local HBA administration.



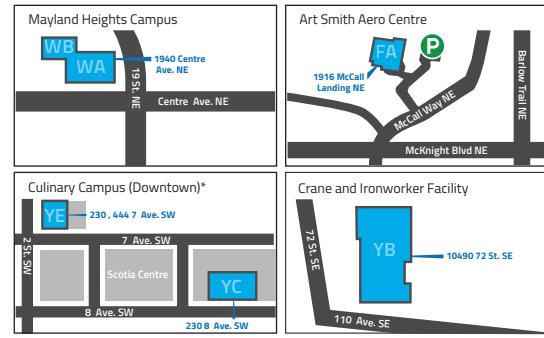
# CAMPUS DIRECTORY

<span style="color: blue;">■</span>	Campus Buildings	
<span style="color: red;">■</span>	Residences	
<b>A</b>	Heritage Hall Student Services International Centre	AA
<b>B</b>	Clayton Carroll Automotive Centre	BA
<b>C</b>	Aldred Centre Food Court	CA CB
<b>D</b>	East Hall Residence	DA
<b>E</b>	John Ware Building Highwood Dining Room	E
<b>G</b>	E.H. Crandell Building XDocs ATB Financial	G
<b>H</b>	Begin Tower Residence	HA
<b>J</b>	Cenovus Energy Centre	JA
<b>K</b>	Johnson-Cobbe Energy Centre Food Court	KA
<b>L</b>	Green Building Technologies (GBT) Lab and Demonstration Centre	L
<b>M</b>	Stan Grad Centre Bookstore Library Food Court	MB MC MD
<b>N</b>	Senator Burns Building Chinook Lodge Aboriginal Centre Food Court	NH NJ NK NL NN NR
<b>Q</b>	Eugene Coste Building Security Office	Q
<b>T</b>	Thomas Riley Building Shipping and Receiving	TD TF TT TU
<b>V</b>	Campus Centre Gym Arena Orpheus Theatre Parking Services Athletics and Recreation Students Association (SAITSA) Food Court Pool	V

## LEGEND

- Bus Stop
- CTrain
- Parking
- Motorcycle Parking
- Food Court
- ATM
- Access Calgary Loading Zone
- Health Services
- Security Office
- AED (Automated External Defibrillator)
- Muster Point

## OFF-SITE LOCATIONS



\* Access from both 8th Ave SW and the +15 second level in the Scotia Centre

