The Mechanical Contractors Association of Hamilton (MCAH) in partnership with the Construction Education Council (CEC) is pleased to present this exclusive seminar series to you. Please review and complete the registration brochure and submit payment directly to MCAH.

**Title of course: Kick Starting BIM Because You Must: A Primer for Entering BIM**

**Date:** September 22nd, 2016 – 8:00 AM to 3:30 PM

**Course Outline**

New projects like the ones you have done in the past are now starting to include BIM requirements. Worse, there is a nice project bidding that has everything you look for in profitable job and you just have the project manager and foreman for it, plus you know the GC well, except...it requires the MEP portions to be spatially coordinated in BIM and you have never done a BIM job. You have heard of BIM but are not sure exactly what it entails, or what is required. Worse yet, you have been awarded the BIMcoordinated job and now you actually have to build it. What do you do?

This course is designed to help you begin to answer that question by providing a foundation for making informed decisions and choices and to help guide you to the best BIM solutions for your company. It will begin with a BIM primer, describing the BIM process, how it is structured and used and most importantly the advantages and opportunities it can provide the mechanical and plumbing contractor by providing a complete, thorough, accurate and detailed plan for constructing a building.

Options available for becoming involved in the BIM process will be reviewed and examined, including:

- Starting up CAD/BIM in your company
- Hiring and staffing
- Budgeting
- Infrastructure
- Outsourcing
- Partnering

By the end of the course participants will be able to:

- Describe how BIM is used as a construction process
- List five benefits BIM can bring to a mechanical and/or plumbing contractor
- Identify and evaluate the typical BIM requirements
- Identify the minimum requirements needed to start up BIM within your company
- Identify five challenges you will face
- Evaluate which options best suit your situation and develop a BIM action plan
KICK STARTING BIM BECAUSE YOU MUST: A PRIMER FOR ENTERING BIM

Who Should attend:

Owners of mechanical contracting companies, senior management, CAD/BIM managers and project managers are the primary audience for these seminars. It is recommended that attendees begin with the BIM Kick-Start and BIM Project Execution Plans courses or have equivalent knowledge or experience.

instructor Bio:

Brett Endres is a senior project manager and BIM manager at Modern Construction Services, LLC in Seattle, WA. He began his career as a detailer at University Mechanical Contractors, Inc., one of the largest mechanical contractors in Seattle. During his 20 years with UMC he grew detailing from a two person department drawing 2D shop drawings for installation, to a group of 26 providing 3D modeling, estimating, and trade coordination services. He was also responsible for the reimplementation of Autodesk Fabrication across the organization, streamlining detailing and estimating efforts to become an integral part of the company's overall construction process. Brett's passion for the Virtual Design and Construction (VDC) process is contagious for those who hear him present. Prepare to be inspired by what BIM can do for you!

To register, Fax: 905.522.2608 or email: manager@mcahamilton.org
KICK STARTING BIM BECAUSE YOU MUST:
A PRIMER FOR ENTERING BIM

Event Dates and Locations
Thursday, Sept. 22nd, 2016
Cut-off date to register: Sept. 1st, 2016
Time: 8:00 AM to 3:30 PM
Construction House
370 York Blvd, Suite 105
Hamilton, ON Canada L8R 3L1
Tel: 905.522.1965 Fax: 905.522.2608

The Cost
MCA Hamilton Member Cost: $645.00 + HST
MCAH Member Subsidy Available: MCAH will reimburse 25% of the cost for the first and second employee (maximum of 2 attendees per company member). Eligibility, no later than 60 days after program completion, your company representative must provide confirmation of course completion, and payment to CEC.

Non-Member: Cost: $645.00 + HST
The fee includes all course materials.

Cancellation Policy
In the event that you are not available to attend, there is the option to send someone in your place. If you need to cancel all together, please send written notification to MCAH at least SEVEN BUSINESS DAYS prior to the course start date for a full refund.

How To Pay
Visa, MC, Invoicing for MCAH members

Registration Information:
Company Name: ___________________________________________________
Company Address: _________________________________________________
City: _______________________  Province: ______  Postal Code: __________
Phone: ___________________________  Fax: ___________________________
Company Contact: _________________________________________________
Company Email:  ___________________________________________________

Due to limited space, registration will be processed on a first come, first served basis. Register early to avoid missing out!

Attendees Information:

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To Register Please Check:

☐ MCAH member $645 – less 25% off  ☐ Non-Member: $645 + GST

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For more information please contact
TANIA JOHNSTON
Email: tania@mcac.ca
Website: www.constructioneducation.ca

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