



AEC Daily Corporation  
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AIA/CES Registered Provider  
AIA/CES Provider Number J624  
Preferred Provider: 1293

Sponsored by:



# Mahmoud Abdel-Basset

*Has successfully completed the course*

## Introduction to Residential Ventilation (Removed)

Course Number: AEC664 (PA-EN-66408-1118) on September 29, 2014

PP Course Number: 8066

Certificate Number: 848866-32051

AIA/CES Learning Units: 1 LU/HSW - 1 hour program

Learning Method: On demand e-learning

Score Achieved: 100.00%

Professional Development Hour (PDH): 1

Continuing Education Unit (CEU): 0.1

This course qualifies for HSW.

GBCI Course Number: 0090010717

*Patricia Monks*

Instructor: Patricia Monks





## COURSE ADDENDUM

**Participant's Name:** Mahmoud Abdel-Basset

**Participant's License #:** \_\_\_\_\_

**Telephone #:** (\_\_\_\_\_) \_\_\_\_\_

**Date Course Completed:** September 29, 2014

**Course Title:** Introduction to Residential Ventilation (Removed)

**Course Number:** AEC664 (PA-EN-66408-1118)

**Course Description:** Meeting the ventilation requirements of ASHRAE 62.2 and maintaining an energy efficient home means balancing the need for fresh outdoor air and the energy needed to condition it. In this course we will examine the ventilation requirements in ASHRAE 62.2, discuss how they can be met, look at some solutions for energy efficient ventilating.

**Learning Objectives:**

Recall the reasons for home ventilation.

List the ventilation fundamentals of ASHRAE 62.2 – 2010 and ASHRAE 62.2 – 2013.

Recall the difference in whole-building residential ventilation, intermittent whole-building ventilation and spot ventilation.

Evaluate the differences in exhaust, supply and balanced ventilation options to meet ASHRAE Standards.

Compute the proper size of a residential ventilation system given the square footage and number of residents.

Recall some fundamental guidelines when installing ventilation systems.

**Number of Course Hours Completed:** 1 LUs

**Name of Course Provider:** AEC Daily Corporation

**Name of Course Trainer or Educator:** Patricia Monks, Product Manager for Ventilation Fans

**Course Trainer/Educator's Telephone #:** 201-392-6038

**Instructor Bio:** Patricia Monks is the lead Product Manager for Ventilation Fans at Panasonic, primarily responsible for communicating the value proposition of the products to the sales team and developing the requisite sales tools and training materials to support their efforts. She is an accomplished marketing professional with over 10 years' experience in global product management, as well as industry expertise in consumer electronics. A tactical planner with a proven track record of spearheading successful product launches in the North American marketplace, Patricia has repeatedly demonstrated the ability to translate market insights into effective development plans and training programs that drive revenue and add value for customers.

**American Institute of Architects  
(AIA)**



**Course Number/ID:** AEC664

**Approval ID:** AEC664

**AIA/CES Learning units:** 1

**Notes:** AIA approved course. This course qualifies for 1.0 LU/HSW Hour. AEC Daily reports Learning Units on members' behalf.

**Green Building Certification  
Inc. (GBCI)**



**Course Number/ID:** AEC664

**Approval ID:** AEC664

**GBCI CE Hours:** 1

**Notes:** USGBC/GBCI approved for GBCI General CE Hours. Course approval # 0090010717. AEC Daily reports Learning Units on members' behalf.

**Health, Safety, and Welfare  
(HSW)**



**Course Number/ID:** AEC664

**Approval ID:** AEC664

**Hours:** 1

**Notes:** This course qualifies for HSW.

**American Institute of Building  
Design (AIBD)**



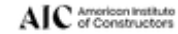
**Course Number/ID:** AEC664

**Approval ID:** AEC664

**CE Hours:** 1

**Notes:** AIBD approved course. This course qualifies for HSW. AEC Daily reports Learning Units on members' behalf.

**American Institute of  
Constructors (AIC)**



**Course Number/ID:** AEC664

**Approval ID:** AEC664

**CPD Hours:** 1

**Notes:** AIC approved course. Hours must be self-reported to the AIC.

**American Society of Heating,  
Refrigerating and Air-  
Conditioning Engineers  
(ASHRAE)**



**Course Number/ID:** AEC664

**Approval ID:** AEC664

**PDHs:** 1

**Notes:** Course meets ASHRAE guidelines for acceptable Professional Development Hours (PDHs) for recertification purposes. Ensure this course content is related to ASHRAE certification practice area: BEAP, BEMP, CPMP, HBDP, HFDP & OPMP.

**Building Owners and Managers  
Institute - Continuing  
Professional Development  
(BOMI CPD)**



**Course Number/ID:** AEC664

**Approval ID:** AEC664

**CPD Hours:** 1

**Notes:** BOMI approved course. This program qualifies for BOMI Institute Continuing Professional Development (CPD) credit for RPA, FMA, and/or SMA graduates. This course qualifies for HSW. Members must self-report CPD hours.

**California Council for Interior  
Design Certification (CCIDC)**



**Course Number/ID:** AEC664

**Approval ID:** AEC664

**CE Hours:** 1

**Notes:** CCIDC approved course. This course qualifies for HSW. Members must self-report CEU hours to CCIDC.

**Florida Board of Professional  
Engineers (FBPE)**



**Course Number/ID:** AEC664

**Approval ID:** AEC664

**Provider Number:**0004278, Sequence Number 0000031

**PDHs:** 1

**Notes:** FBPE approved provider.

**International Code Council  
(ICC)**



**Course Number/ID:** AEC664

**Approval ID:** AEC664

**Provider Number:**1293

**CEU:** 0.1

**Notes:** AEC Daily is an ICC Preferred Provider. This course qualifies for ICC Certification Renewal.

**The International Association  
of Certified Home Inspectors  
(InterNACHI)**



**Course Number/ID:** AEC664

**Approval ID:** AEC664

**CE Hours:** 1

**Notes:** InterNACHI approved course. This course qualifies for HSW. Members must self-report CE hours to InterNACHI.

**National Association of Home  
Builders (NAHB)**



**Course Number/ID:** AEC664

**Approval ID:** AEC664

**CE Hours:** 1

**Notes:** This program meet NAHB's continuing education requirements for one or more of the following designations: Certified Graduate Associate (CGA), Certified Graduate Builder (CGB), Certified Graduate Remodeler (CGR), Certified Green Professional (CGP), Graduate Master Builder (GMB), Graduate Master Remodeler (GMR), Certified Aging-In-Place Specialist (CAPS)

**National Association of the  
Remodeling Industry (NARI)**



**Course Number/ID:** AEC664

**Approval ID:** AEC664

**CEUs:** 0.1

**Notes:** NARI approved course. 0.1 CEU toward certification renewals. 1 Hour toward certification application.

**North American Technician  
Excellence (NATE)**



**Course Number/ID:** AEC664

**Approval ID:** AEC664

**Provider Number:**40195

**CEH** 0.1

**Notes:** NATE approved course. Members must self-report CEH to NATE upon receipt of certificate of completion.

**Registered Continuing  
Education Program (RCEP)**



**Course Number/ID:** AEC664

**Approval ID:** AEC664

**PDH:** 1

**Notes:** AEC Daily is an RCEP-approved continuing education provider. Credit earned on completion of this program will be reported to RCEP.

### Rocky Mountain Masonry Institute (RMMI)



**Course Number/ID:** AEC664

**Approval ID:** AEC664

**Credit Per Hour:** 1

**Notes:** This is a RMMI approved course. RMMI will confirm certification credit upon receipt of Certificate of Completion (members must self-report).

### The Alberta Association of Architects (AAA)



**Course Number/ID:** AEC664

**Approval ID:** AEC664

**Provider Number:** A-002

**Learning hours:** 1

**Notes:** This course is approved as a Structured course. AAA Members must self-report their learning hours to AAA.

### AANB + ALBNL + NSAA (AANB + ALBNL + NSAA)



**Course Number/ID:** AEC664

**Approval ID:** AEC664

**Core Hours:** 1

**Notes:** This course is EPP approved. Members must self-report their learning hours on the RAIC/Architecture Canada Transcript Database, <https://raic.org/transcripts>.

### Architects Association of Prince Edward Island (AAPEI)



**Course Number/ID:** AEC664

**Approval ID:** AEC664

**Learning hours:** 1

**Notes:** This course is approved as a Core Learning Activity. Members must self-record their learning hours on the RAIC/Architecture Canada Transcript Database, <https://raic.org/transcripts>.

### Architectural Institute of British Columbia (AIBC)



**Course Number/ID:** AEC664

**Approval ID:** AEC664

**Learning units:** 1

**Notes:** AIBC members may self-report this learning activity for consideration of AIBC learning units.

### Canadian Association of Home and Property Inspectors (CAHPI)



**Course Number/ID:** AEC664

**Approval ID:** AEC664

**MRC Hours:** 1

**Notes:** CAHPI approved course, MRC Hours. Members must self-report MRC hours to CAHPI.

### Construction Specifications Canada (CSC)



**Course Number/ID:** AEC664

**Approval ID:** AEC664

**PDE Hours:** 1

**Notes:** CSC approved course. This course qualifies for HSW. Members must self-report PDE hours to CSC.

### Newfoundland & Labrador Association of Architects (NLAA)



**Course Number/ID:** AEC664

**Approval ID:** AEC664

**Learning units:** 1

**Notes:** This course is approved as a core course. Members must self-report LUs through the MCET National Con Ed reporting website. ([www.architranscripts.ca/default.htm](http://www.architranscripts.ca/default.htm))

### Northwest Territories Association of Architects (NWTAA)



**Course Number/ID:** AEC664

**Approval ID:** AEC664

**Learning Hours:** 1

**Notes:** This course is approved as a Structured course. Members must self-report Learning Hours through the National Con Ed reporting website at <https://www.raic.org/transcripts/default.htm>

### Ontario Association of Architects (OAA)



**Course Number/ID:** AEC664

**Approval ID:** AEC664

**Hours:** 1

**Notes:** This course may apply to both OAA structured and unstructured learning as long as it addresses the required subject matter topics. Members must self-report activity to OAA and retain your Certificate of Completion.

### Ordre des architectes du Québec (OAQ)



**Course Number/ID:** AEC664 / Cours # AEC664

**Approval ID:** AEC664 / Cours # AEC664

**Hours / Nombre d'heures:** 1

**Notes:** This course qualifies for self-directed learning activity with the OAQ. / Ce cours est reconnu par l'OAQ comme activité d'auto-apprentissage. Members must self-report hours to OAQ. / Les membres doivent rapporter eux-mêmes leurs heures à l'OAQ.

### Saskatchewan Association of Architects (SAA)



**Course Number/ID:** AEC664

**Approval ID:** AEC664

**Provider Number:** 1036

**Learning units:** 1

**Notes:** This course is approved as a core course. Members must self-report LUs through the RAIC National Con Ed reporting website. <http://raic.org/transcripts>.

