



26 Pinewood Lane
Harrison, ME 04040

EXPERTISE

- Indoor Air Quality
- HVAC Design and Evaluation
- Building Science
- Moisture Evaluations

EDUCATION

MS / 1977

Engineering
Northeastern University

BS / 1974

Mechanical Engineering
Northeastern University

**PROFESSIONAL
REGISTRATION**

Professional Engineer:
CO #42968
CT #22509
MA # 15078
MD #36997
ME #4841
NH #06079
NY #086885-1
RI #6405
UT #6922038-2202
VT #5087

EXPERIENCE

General	32 years
Project	32 years

PROFESSIONAL PROFILE

Mr. Turner has 30 years of experience in the implementation of indoor air quality/HVAC evaluation and engineering HVAC/building science diagnostic programs evaluations in school, commercial, health care, laboratory, residential, and industrial settings. Experience includes HVAC performance, occupant complaint, and building science / moisture evaluations, air monitoring data collection, quality assurance, technical report preparation, forensics/expert witness, and specific recommendations for corrective action.

Mr. Turner manages a group of six experienced mechanical engineers and building scientists whose main responsibilities involve conducting indoor air quality, HVAC, energy, and building science evaluations in complaint and non-complaint buildings. He and his staff conduct evaluations nationally and recommend appropriate mitigation as warranted. Design of corrective measures or evaluation and design of new sustainable "green" designs area also provided when requested.

Current and past research activities include assisting the University of Connecticut with building diagnostics related to a lung health study, contract research for the University of Tulsa and conducting private client research regarding radiant floors, ventilation system performance, fine particles & VOC's, and high efficiency geothermal/solar heating. Mr. Turner's group provides ongoing assistance to the Architectural Division of The H.L. Turner Group and other architectural firms with evaluation and design of affordable, sustainable, healthy buildings for a variety of uses.

Mr. Turner's activities with professional societies include service to the National Technical Indoor Air Quality Advisory Boards for the American Lung Association (ALA), the Research Subcommittee of the Environmental Health Committee of the American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), the USEPA Advisory Subcommittee for the USEPA B.A.S.E. Study and Science Advisory Board. Mr. Turner instructs multiple sessions of the BOC (Building Operators Certification Course) and was a principal author of the USEPA Indoor Air Division sponsored "Building Air Quality Guide", "Orientation to Indoor Air Quality Training Course", and "Hands On Diagnostic Course".



ILLUSTRATIVE PUBLICATIONS AND PRESENTATION

- 2007 Implementing Healthy Green Building Sustainable Design
- 2007 Repair of a Failed Brick Veneer Rain Screen Wall from the Inside. (Boston, RCI)
- 2005 Building Envelope Commissioning Protocols (Boston, BCX Assoc.)
- 2004 Characterization of Mold and Moisture Indicators in the Home (Uconn).
- 1997 The Advantage Classroom™; Sustainable, Affordable, School Design For Achieving Indoor Air Quality, Comfort, and an Improved Learning Environment.
- 1996 Design of a Displacement Ventilation System In an Industrial Setting To Reduce Worker Exposures, Enhance Pollutant Capture, and Conserve Energy Use.
- 1996 Cost Effective Resolution of Microbial Contamination Problems in Schools Via Implementation of Active Engineering Controls: Three Case Studies.
- 1996 Indoor PM-10 and Laser Optics Particle Sampling: How the Building Operator Can Benefit from This Type of Information.
- 1996 Air Quality in an Animal Facility, Particles, Ammonia, and Volatile Organics
- 1995 The Effect of Relative Humidity on Mouse Allergic Levels in an Environmentally Controlled Mouse Room, American Industrial Hygiene Association, April 1995.
- 1995 Diagnostic Evaluation of Unplanned Airflow Resulting In Unacceptable Indoor Air Quality in Vocational Type Schools, New England Environmental EXPO.
- 1993 Errors Associated With The Use of Carbon Dioxide As A Surrogate For Outdoor Air Supply in Buildings. Indoor Air '93 Helsinki, Finland.
- 1993 Design of a Healthy Modern Office Building and Occupied HVACIAQ "Training Laboratory". Indoor Air '93 Helsinki, Finland.
- 1993 Use of a Standardized Diagnostic Protocol for Diagnostic Evaluation and Mitigation of Schools That Have Been Vacated Because of Occupant Preserved Unacceptable Indoor Air Quality. Indoor Air '93 Helsinki, Finland.





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- 1992 Air Quality Evaluations of Animal Room Facilities utilized for Production of Laboratory Mice. ASHRAE Transactions, Baltimore, Maryland, June 1992.
- 1991 Diagnostic Evaluations of twenty-six U.S. Schools: A Broader Public Health Issue. IAQ '91, Washington, DC.
- 1990 Building HVAC/Foundation Diagnostics for Radon Mitigation in Schools and Commercial Buildings: Part 1 and Part 2. Indoor Air '90 Toronto, Canada.
- 1986 CO Exposure to Mountaineers on Denali, (J. Alaska Medicine)
- 1982 A Super Insulated Retrofit In Maine: Theory and Reality, (ACEE Santa, Cruz)

