# DEBRA A. LOMBARD, LEED AP, EMIT, EIT

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**QUALIFICATIONS:**

## Sustainable design and LEED® technical research, consulting, and education.

## Project management, construction administration, expediting.

## Safety engineering, industrial hygiene and OSHA training.

## Business development; marketing; grant, proposal and publication writing; market research surveys; social networking media and website design.

## Architectural drafting (AutoCAD 2004 and hand-drafting) & design.

* Event planning, organizing and marketing.

**SOFTWARE:**

Expert Internet research skills. Proficient in: MS Office Suite 2009, PowerPoint, ACT, Lotus Notes v6.5. Knowledge of: AutoCAD 2004, Master Builder, Social Networking and web-based marketing, Macs, Photoshop, basic HTML & web design.

**CERTIFICATIONS:**

## USGBC LEED® Accredited Professional since 2003 (7 LEED certified projects)

* ICC certified Residential Green Building Examiner, October 2011

## AEE Energy Manager-In-Training (EMIT), 2010 (passed CEM exam 2007)

* NABCEP-Certified PV Technical Sales Course, Fall 2010
* Healthy Homes Specialist Certification, November 2010

## State of Louisiana Engineer-In-Training EIT License, 1988 - Present

## U.S. EPA Lead-Safe Certified Renovator, 2010

## U.S. Small Business Administration Business Management Training, 1997

**PROFESSIONAL WORK EXPERIENCE**

**CLIENT LIST:**

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| * Yale University * Waterbury Development Corp. * Gateway Community College * GeoDESIGN * Tufts University * BP America * Kenyon College * Smith College * National Renewable Energy Labs, NREL * U.S. Dept. of Energy, DOE * US Dept. of Housing and Urban Development, HUD * US Environmental Protection Agency, EPA * NY State Dept. of Environmental Conservation, NYDEC | * Celtic Energy * John Wiley & Sons * Bovis Lend Lease * Urban Miners, LLC * Northeast Energy Efficiency Partnerships, NEEP * Sustainable Buildings Industry Council, SBIC * NY City Dept. of Design and Construction, NYC DDC * The ReGen Group (NOLA) * NOLA Solar, LLC * Kinetix, LLC * Courtney Miller Architect * John Rountree Architects * Svigals + Partners Architects * Sylvan R. Shemitz Designs Inc. |

**SUSTAINABILITY RESEARCH & CONSULTING, NEW HAVEN, CT 1996-present**

***Sustainability Consulting - Current clients:***

* Neighborhood Housing Services of New Haven’s Home Energy Conservation Laboratory Building, LEED-NC v2.2 certification project consultant.

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***Sustainability Consulting - Current clients, Cont.:***

* LEED Consultant for 32,000 SF retail building in Connecticut
* GeoDesign, LEED-NC v2.2 certification project consultant.

## Sustainability/ LEED consultant to The City of Waterbury (CT) Development Corporation on the 16 Cherry St. historic building pilot deconstruction project.

* UrbanMiners.com, consulting for building materials salvage.
* City of New Haven Sustainability Committee Member.
* New Haven Green Drinks, Founder and Events Organizer.

***Past clients:***

* Lovell House renovation project, LEED and sustainable design consulting.

## Guest Instructor for the National Sustainable Building Advisor Program certification course, Gateway Community College, 2008-10.

* Business New Haven/New Haven Magazine, Recycling consulting, 2010.
* Member of New Haven School Board’s East Rock School-Based Building Advisory Committee, 2009-10.
* Sustainable Living Course Instructor, Gateway Community College, 2009.

## Consultant to Celtic Energy and Hartford Steam Company, HSC, to develop Hartford Steam Company’s 2009-2010 Sustainability Action Plan.

## Energy efficiency consultant to design team of the new Yale Cancer Center for United Illuminating’s (electric utility) Energy Conservation Department.

## LEED consulting on behalf of Celtic Energy on a LEED-Core and Shell Pilot project and a LEED-Commercial Interiors project.

* Green materials research for The ReGen Group’s OceanSafe Housing project and for NOLA Solar LLC in New Orleans.
* Sustainable design research, consulting and LEED-Homes program coordination for award-winning entry, “The Levee” in GlobalGreen’s Sustainable Housing Design Competition for New Orleans, in partnership with The ReGen Group and Drew Lang Architects of NYC.
* Sustainable materials research for National Marine Life Center project in MA.
* AutoCAD, hand-drafting and conceptual architectural design for clients: Curnan Construction, Design Studio, and Sinclair Associates.

**COMMON VISION INC. DESIGN BUILD FIRM, HAMDEN, CT 2007-2009**

***Expediter, Sustainability Consultant and Recycling Coordinator***

Initiated and managed a C&D and Hazardous Waste Recycling program for this residential design build firm. Developed a formal written expediting process. Reviewed and edited project plans and specifications and assisted clients with material estimates, selections, ordering, tracking, receipts and project coordination.

**THE RETEC GROUP INC., NEW HAVEN, CT 2002 -2006**

***Sustainable Design Specialist***

Sustainable design and green building research and consulting, LEED project management to Yale University for 11 new building projects including 5 LEED Certified projects:

* Class of 1954 [Chemistry Research Laboratory Building](http://www.yaledailynews.com/Article.aspx?ArticleID=30520) (received the Labs21 “Go Beyond” 2009 Award and LEED-NC v2.1 Silver certification). This project set the precedent for sustainable design projects at Yale University. Debra worked to initiate and develop a sustainable design process for Yale University, along with contractor Wm. Berry & Sons.
* Yale Medical School laboratory renovation projects: C-Wing Floor3 project (received LEED-CI v2 Gold Certification and 2007 CT Building Congress New Small project Award); C-Wing Floor 4 LEED-CI v2 Gold certified; and I-Wing Floor 1 project (LEED-CI v2 Gold certified).
* The Amistad Building (LEED-CI v2 Gold certified, CTGBC Design Award 2008.)

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***The RETEC Group, Inc, Sustainable Design Specialist –Projects, Continued:***

* The Rose Center, Yale Police Station (2006 AIA Connecticut Honor Award)
* Yale University Science Hill parking garage.
* New Yale Biology Building (original design.)

## Yale’s Anthropology Building Renovation/Addition project.

## A solar powered LED campus map kiosks for Yale (Solar option not installed.)

## Appointed to the USGBC’s LEED Materials & Resources Technical Advisory Group to assist with development of 4 LEED green building rating systems.

* Sustainable design/ LEED consultant to William Rawn Architects on Tufts University’s Sophia Gordon Residence Hall (received LEED-NC v2.1 Silver certification). The project has received numerous awards including the Boston Society of Architects 2007 Citation for Sustainable Design.
* Developed and implemented a Sustainable Building Assessment Protocol for BP America at including assisting with an on-site sustainability audit (Project was invited to present at GreenBuild 2005.)

## Assisted with obtaining a Kresge Green Building Challenge Grant for the non-profit Fellowship Place’s new green building.

* Performed market research surveys for two large utility companies in Pennsylvania to assess their low-income efficiency programs.
* Development of a corporate electronic sustainability database.
* Business development for RETEC’s sustainability and lighting design practice.
* Provided consulting to City of New Haven council-member for developing a sustainable design ordinance for City projects.

Assisted with lighting design and daylighting computer modeling for several large university projects including:

* Yale Chemistry Research Laboratory Building (BCJ and Canon Design.)
* Kenyon College Recreation Center (Architect, Graham Gund.)
* Lighting retrofit for the Yale University’s Peabody Museum.
* Smith College, Ford Hall (Bohlin Cywinski Jackson.)

**STEVEN WINTER ASSOCIATES, NORWALK, CT 1998-2001**

***Sustainability Consultant***

Sustainable design research and consulting for clients including:

* US Dept. of Energy, HUD, NREL (National Renewable Energy Lab), New York City Dept. of Design & Construction’s *High Performance Building Guidelines*, State of NY’s DEC Albany Headquarters Building, SunWire fiber optic daylighting product, SBIC, US DOE’s Consortium for High Performance Buildings (CHiPB) project and others.
* Construct geometric model for several DOE2 building energy models, including Battery Park 18A Building.
* Development of an electronic sustainable design database for SWA.
* Co-authored *The* *HUD Rehab Guide, Vol. 9, Sitework, ©* 2001 and provided research for HUD’s *Home Rehab Handbook*.
* Provided research and survey assistance with three large architectural market research surveys for clients including: John Wiley and Sons, and NEEP (Northeast Energy Efficiency Partnerships).

**LIONEL E. FLOTTE AND ASSOCIATES, METAIRIE, LA 1992-1996**

***Clerk-Of-the-Works/Safety Engineer* and** ***Draftsman***

On-site coordination and oversight of subcontractors’ work for safety compliance and quality assurance on Silocaf project in New Orleans. Hand-drafting and project coordination for commercial and residential metal framed design-build projects.

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**DEPARTMENT OF PUBLIC WORKS ST. TAMMANY PARISH, LA 1993-1994**

***Junior Engineer***

Project management and master planning on first federally funded Rails-To-Trails project in the US. Obtained $114,000 in grant funding for “Tammany Trace”. Developed a waste recycling proposal for St. Tammany Parish.

**TRAVELERS INSURANCE COMPANY, METAIRIE, LA 1989-1991**

***Loss Control/ Safety Engineer***

Safety Engineer for insurance company’s underwriting and claims departments, inspecting large and small industrial and commercial facilities and claim investigations.

**PROFESSIONAL ASSOCIATIONS & VOLUNTEERISM:**

## Connecticut Green Building Council (CTGBC) Member & Board Advisor 2001-2011; Board of Directors, 2004-07; Green Schools and Education Committees

## USGBC LEED Technical Advisory Group - appointed member (Materials & Resources), 2005-2006

## Association of Energy Engineers Member, 2011

* National Trust for Historic Preservation Member, 2010-11

## City of New Orleans’ Brownfields Consortium Member (appointed), 1996

## The Green Project Board of Directors, New Orleans, Louisiana, 1995-1996

## American Lung Association Healthy Homes Projects Volunteer, 1996 & 1998

**EDUCATION:**

## Graduate studies at Tulane University, New Orleans, LA, and University of New Orleans, LA, 1988-1991

* B.S. in Civil Engineering, Tulane University, LA, 1988
* Project Management course, Construction Institute, 2011
* Certified Energy Manager course, 2007
* Building Operator Certification courses - Berlin, Connecticut, 2006-2007
* Website Design (html) - Bellevue Community College (Washington), 1998
* Center for Effective Non-Profit Management Training - New Orleans, LA, 1996

**PRESENTATIONS, INTERVIEWS and PUBLICATIONS:**

* Northeast Sustainable Energy Association Green Buildings Open House Tour Organizer, October 2011
* Green Jobs presentation for Solar Youth, New Haven. August, 2011
* Speaker at DECON 2011, Yale University, New Haven, CT. May 2011
* CT Association of Zoning Enforcement Officials, CAZEO, October 2010
* Sustainable Building Advisor Program, Gateway Community College, Fall 2010
* CT Federation of Planning & Zoning Agencies Annual Conference, March 2010
* Presented “Sustainable Design: The Big Picture” at Southern Connecticut State University as part of the 2007 CT Green Expo - September 2007
* Presented “LEED-Existing Buildings” to CT Green Building Council, 2007
* Presented “Designing Sustainable Buildings” seminar for the Solar Energy Association of CT (chapter of NESEA) - Hartford, CT, September 2006
* Interviewed by [*Yale Daily News*](http://www.yaledailynews.com/news/university-news/2005/10/26/building-designs-integrate-sustainability/) on Yale’s first LEED project, Chemistry Research Lab Building, October 2005.
* Video interview by *The Word in Greenwich* on Ch. 79, Greenwich, CT, 2005
* Presentation on Green Building for Russian architects – Westport, CT, 2002

## Author of “Seeking Green Building on the Internet”, *Home Energy Magazine* -

## March/April 2001

## Presented “Green Building on the Web” at SoundWaters.org - Stamford, 2000