

LEED PROJECTS, GREEN BUILDINGS, and LEED ACCREDITED PROFESSIONALS

TMP has completed 6 LEED projects (two gold, two silver, two certified), we have 7 projects where LEED Certification at various levels is pending or under design and will be applying for LEED Certification.

	<u>Completion/ LEED Status</u>									
<u>PRIVATE SECTOR PROJECTS</u>										
<p><u>888 BOYLSTON STREET OFFICE AND RETAIL BUILDING</u> <i>Boston, MA</i> A new 19-story 450,000 SF shell and core commercial office building with two levels of retail space including revisions to existing below-grade parking structure and utilities. Design development completed in 2004 before project was placed on hold. Project will be seeking LEED Silver Certification.</p>	<p>D 2012?</p> <p>Seeking LEED Silver</p>									
<p><u>RUSSIA WHARF</u> <i>Boston, MA</i> 900,000 GSF of occupied space in a \$300M mixed use project with a new 23-story 535,000 SF high rise commercial office tower that is located above an existing 7-story, 215,000 SF building that is to be fully renovated to commercial office space with retail and restaurant space at the ground floor. Below grade parking at 240,000 SF for 650 cars and a 128,000 GSF attached condominium building with 84 units. Project is seeking LEED Certification, LEED Gold is anticipated.</p>	<table style="margin: auto; border-collapse: collapse;"> <tr> <td style="text-align: center; padding: 0 10px;">D</td> <td style="text-align: center; padding: 0 10px;"> </td> <td style="text-align: center; padding: 0 10px;">C</td> </tr> <tr> <td style="text-align: center; padding: 0 10px;">2008</td> <td></td> <td style="text-align: center; padding: 0 10px;">2011</td> </tr> <tr> <td style="text-align: center; padding: 0 10px;"><i>and 2010</i></td> <td></td> <td style="text-align: center; padding: 0 10px;"><i>and 2012</i></td> </tr> </table> <p>LEED Certification is pending</p>	D		C	2008		2011	<i>and 2010</i>		<i>and 2012</i>
D		C								
2008		2011								
<i>and 2010</i>		<i>and 2012</i>								
<p><u>ONE MARINA PARK DRIVE</u> <i>Boston, MA</i> A new 18-story 500,000 SF shell and core commercial office building F with retail space at the Fan Pier with 155,000 ± SF of below grade parking. Project Certification is seeking LEED Silver.</p>	<p>2011</p> <p>LEED Certification is pending</p>									
<p><u>WESTON CORPORATE OFFICE CENTER</u> <i>Weston, MA</i> New 350,000 GSF shell and core suburban office building with below grade parking and detached structured parking. The project includes an air conditioning system that will utilize a 350 foot deep 650 million gallon quarry to provide chilled water to cool the building, thereby eliminating the need for any mechanical refrigeration system. Project will be seeking LEED Silver or Gold Certification.</p>	<p>2010</p> <p>Seeking LEED Gold</p>									
<p><u>IFAW (INTERNATIONAL FUND FOR ANIMAL WELFARE)</u> <i>Yarmouth Port, MA</i> New \$12.4M, 50,000 GSF office headquarters. Project includes an evaporative cooling system, condensing boilers, high-efficiency lighting systems, and dual flush toilets.</p>	<p>2008</p> <p><u>LEED GOLD CERTIFIED 2008</u></p>									
<p><u>77 CITY POINT</u> (formerly 77 FOURTH AVENUE) <i>Waltham, MA</i> New 200,000 GSF shell and core suburban 7-story office building with exercise center, conference center, cafeteria and 700 car partially enclosed garage.</p>	<p>2008</p> <p><u>LEED GOLD CERTIFIED 2008</u></p>									

D – Design in Progress
C – Construction in Progress

S – Study
Date – Occupancy Date

DH – Design on Hold
CH – Construction on Hold

**LEED PROJECTS, GREEN BUILDINGS, and
LEED ACCREDITED PROFESSIONALS (Continued)**

**Completion/
LEED Status**

NEW TERMINAL A FACILITY

LOGAN INTERNATIONAL AIRPORT
East Boston, MA

Design of electrical systems for new \$400M Terminal for Delta Airlines consisting of a replacement terminal, a satellite terminal, and a passenger/utility tunnel for a total of 670,000 SF. Fit-out work included two Delta Crown Rooms and utility services for 35 retail tenants. In addition, TMP designed a new 15kV NSTAR utility substation to be owned and operated by Massport to serve the new Terminal A, and also tied via new 15kV feeders to the other three NSTAR substations at Logan, as well as to other 15kV switching stations in other terminals. Also designed roadway and airside lighting, fiber optic tie-ins for access control, CCTV, fire alarm, power monitoring, EMS, and data to and from other locations at the airport.

2005

**WORLD'S FIRST
LEED CERTIFIED
AIRPORT
FACILITY 2006**

RESIDENTIAL PROJECTS

BOSTON RESIDENTIAL PROJECT

Boston, MA

This 276K gsf 26 level 198 residential rental project with renovations to an existing below grade garage being designed to a LEED Certifiable Level.

CH
2012

PUBLIC SCHOOL PROJECTS

CAMBRIDGE RINDGE LATIN HIGH SCHOOL

Cambridge, MA

403,000 SF renovation, \$84.2M total and \$34.3M MEP costs. Project includes completely renovated MEP/FP systems including chilled beam systems in classrooms; cogeneration; photovoltaic array. Project will be seeking LEED Silver Certification.

C
2012

**Seeking LEED
Silver**

SALEM CARLTON SCHOOL

Salem, MA

\$5M - 50,000 SF new fully air conditioned school. Features include a small wind turbine system.

2004

CAPUANO EARLY CHILDHOOD CENTER

(formerly known as Somerville Edgerly Early Childhood Development Center)
Somerville, MA

\$14.9M - 80,200 SF (\$186/SF) new school fully air conditioned. First LEED Registered School in New England. 560 students. Energy enhancement systems include 35kW photovoltaic system; building systems that reduce energy costs by 38% and a drip irrigation system that significantly reduces water usage.

2003

**FIRST
LEED
REGISTERED
SCHOOL**

WALTHAM NORTHEAST ELEMENTARY SCHOOL

Waltham MA

\$13.8M, 93,000 SF new fully air conditioned school. Green Building initiatives include daylight dimming in classrooms and daylight harvesting in multi-story corridor spaces.

2003

WALTHAM STANLEY ELEMENTARY SCHOOL

(formerly known as South Street School)
Waltham, MA

\$13.7M, 89,000 SF new school fully air conditioned. Green Building initiatives include daylight dimming in classrooms, daylight harvesting in multi-story corridor spaces, photovoltaic panels and wind turbine for power generation.

2003

**LEED SILVER
CERTIFIED 2006**

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**LEED PROJECTS, GREEN BUILDINGS, and
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LEED Status**

WALTHAM NEW SCHOOL STREET MIDDLE SCHOOL

2003

Waltham, MA

\$18M, 129,100 SF new school fully air conditioned. Green Building initiatives include daylight dimming in classrooms and daylight harvesting in multi-story corridor spaces.

PRIVATE SCHOOL PROJECTS

GREENWICH COUNTRY DAY SCHOOL

**C PH 1 | D PH 2
2010 | 2101**

Greenwich, CT

\$35.6M, 93,000 SF project for new Upper School and Theater Phase 2 addition. Project targeted for LEED Silver rating. \$8.4M MEP/FP value.

**Seeking LEED
Silver**

NOBLE & GREENOUGH - PERFORMING ARTS CENTER

2006

Dedham, MA (Mechanical Only)

45,000 SF new performing arts center. Owner directives include energy efficiency and Green Building initiatives, but is not pursuing LEED Certification.

SAINT PAUL'S SCHOOL ATHLETIC/FITNESS CENTER

2004

Concord, NH (Mechanical Only)

New 100,000 SF building including Primary and Secondary Gymnasiums, Pool, Wrestling Room, Fitness, Free Weights, Team Rooms - \$21M. Initiatives include heat recovery, CO₂ monitoring, space temperature and humidity monitoring.

**LEED CERTIFIED
2006**

COLLEGE AND UNIVERSITY PROJECTS

DARTMOUTH COLLEGE VISUAL ARTS CENTER

**C
2012**

North Dartmouth, MA

\$52M, 100,000 SF, new Visual Arts Center which features production studios for Film and TV; teaching studios for Sculpture, Printmaking, Drawing, Painting, Photography, Senior Studios, and Architecture; classrooms, exhibition space, screening rooms, a 225 seat auditorium/theater for film projection, and faculty and administrative offices. Mechanical systems include: 100% outside air systems with combined exhaust and enthalpy heat recovery, specialized exhaust systems, dilution ventilation, and direct ventilation with chilled beam systems. Project will be seeking LEED Silver Certification or better.

**Seeking LEED
Silver**

BOWDOIN COLLEGE / STUDZINSKI RECITAL HALL

2007

Brunswick, ME

\$11M, 25,000 SF renovation of a former swimming pool building into a music recital hall and rehearsal space. Project features a geo heating and cooling system with two standing column geothermal wells.

PUBLIC LIBRARY PROJECTS

PORTSMOUTH PUBLIC LIBRARY

2007

Portsmouth, NH

\$7M new 36,000 GSF library currently in preliminary design which will include a number of Green Building features.

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CERTIFIED 2008**

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**Completion/
LEED Status**

TMP LEED ACCREDITED PROFESSIONALS (65% of our Engineers)

1. Michael C. Spence, P.E. - Senior Partner, Senior HVAC Engineer
2. Richard S. Noce, P.E. - Senior Partner, Senior HVAC Engineer
3. John J. MacDonald, P.E. - Partner, Senior Electrical Engineer
4. James D. Magarian, P.E. - Partner, Senior HVAC Engineer
5. Kevin J. Caddle - Partner, Senior HVAC Engineer
6. Gilbert Castera, Jr., P.E. - Senior Associate, Senior Plumbing/Fire Protection Engineer
7. Scott D. Anderson, CIPE - Associate, Senior Plumbing/Fire Protection Engineer
8. Bradford E. White - Associate, Senior HVAC Engineer
9. Susan Z. O'Neill, P.E. - Associate - HVAC Engineer
10. Alexander Grkovich, P.E. - Design Associate - Senior HVAC Engineer
11. David M. Camell - HVAC Design Engineer
12. Jeffrey A. Manning - Electrical Design Engineer