

SCHOOLS - PUBLIC

	<u>Completion Status</u>
<p><u>SOUTHBIDGE HIGH SCHOOL and MIDDLE SCHOOL</u> Southbridge, MA 202,000 SF new fully air conditioned facility with \$60M construction cost.</p>	<p>D 2012</p>
<p><u>CAMBRIDGE RINDGE LATIN HIGH SCHOOL</u> 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.</p>	<p>C 2012</p>
<p><u>ROCHESTER ELEMENTARY SCHOOL</u> Rochester, MA 68,000 SF renovation and 34,000 SF addition with partial air conditioning displacement ventilation system with \$20M construction cost.</p>	<p>C 2011</p>
<p><u>WOBURN GOODYEAR ELEMENTARY SCHOOL</u> Woburn, MA New 67,277 SF, \$19.5M C.C., three-story project. Bid documents due March 2010.</p>	<p>C 2011</p>
<p><u>SPRINGFIELD PUTNAM VOCATIONAL TECHNICAL HIGH SCHOOL</u> Springfield, MA \$96M, 315,000 SF new project including Auto Mechanics, Auto Body, Electrical, Plumbing, HVAC, Culinary, Cosmetology, Hospitality, Horticulture, Welding, Machine Technology, Printing, Health Technology, Carpentry, Graphic Visual Communications and Design, Gymnasium, Library, Classroom, and Administration.</p>	<p>C 2011</p>
<p><u>MALDEN HIGH SCHOOL</u> Malden, MA \$63M phased renovation of three buildings totaling 480,000 SF. \$14.2M MEP/FP costs. Included is the replacement of the majority of the HVAC central system apparatus, lighting, plumbing fixtures, domestic water heaters, and fire alarm system. Also included is the deletion of steam heating and the addition of hot water heating and air conditioning to a building that totals 167,000 SF of the total 480,000 SF project area.</p>	<p>C 2011</p>
<p><u>WINCHESTER McCALL MIDDLE SCHOOL</u> Winchester, MA \$6M, 15,500 SF addition with renovations to existing areas.</p>	<p>2009</p>
<p><u>LOWELL MOREY ELEMENTARY SCHOOL</u> Lowell, MA 67,836 SF new school; \$15.5M construction costs. Fully air conditioned all air systems; \$4.4M MEP/FP; Bid April 2007.</p>	<p>2009</p>
<p><u>LOWELL TSAPATSARIS ELEMENTARY SCHOOL</u> Lowell, MA 43,501 SF existing and 32,709 SF new (76,210 SF total); \$17.6M construction costs. Fully air conditioned. \$4.4M MEP/FP. Design completed April 2007.</p>	<p>CH</p>
<p><u>WALTHAM WHITTEMORE ELEMENTARY SCHOOL</u> Waltham, MA 53,000 SF of existing and 33,000 SF new (86,000 SF total); \$21.5M construction costs. Fully air conditioned.</p>	<p>2008</p>

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SCHOOLS - PUBLIC (Continued)

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WALTHAM FITZGERALD ELEMENTARY SCHOOL

2008

Waltham, MA

78,000 SF new school; \$20.5M construction costs. Fully air conditioned.

SALEM HIGH SCHOOL

2008

Salem, MA

\$25M, 428,000 SF existing High School with a 7,000 SF addition. It will include major renovations to the Mechanical and Electrical systems including a Vocational Education component of the school; 50% of building presently being renovated.

PEABODY HIGH SCHOOL - MULTIPLE PROJECTS

Peabody, MA

Fire Protection and Accessibility Renovations; \$3.3M total, 303000 SF, \$1.1M MEP/FP.

2008

Fire Alarm Upgrades - Electrical Subcontractor performed as the General Contractor; \$600k electrical/total.

2006

Design of complete conversion of all electric HVAC system to gas-fired hydronic system; \$10.1M total; \$7.16M MEP; 303,000 SF. HVAC Contractor was General Contractor.

2005

Title IX Renovations - Upgrade Women's locker/shower facilities for equality; \$500k total.

2002

LAWRENCE HIGH SCHOOL

2008

Lawrence MA

New \$85M, 536,000 SF fully air conditioned facility with major theater - arts and media center components.

CHELMSFORD HIGH SCHOOL and MIDDLE SCHOOLS- 3 BUILDINGS

2007

Chelmsford, MA

\$30M replacement of 23 +/- rooftop and interior air units; new 1,000 seat Auditorium; totally renovated science areas; new Libraries at Middle Schools; replace entire heating system at one Middle School; phased project 240,000 SF High School; 220,000 total SF for two Middle Schools; minor work at second Middle School.

MELROSE MIDDLE SCHOOL

2007

Melrose, MA

\$40M, new 220,000 SF structure attached to the existing Melrose High School.

AUBURN HIGH SCHOOL

2006

Auburn, MA

New \$31M, 180,000 SF high school partially air conditioned.

WALTHAM J.F.K. MIDDLE SCHOOL

2005

Waltham MA

173,000 SF, \$24M major renovation including full air conditioning (141,000 SF renovation; 32,000 SF addition) major rehabilitation.

WALTHAM PLYMPTON ELEMENTARY SCHOOL

2004

Waltham MA

\$11.4M - 82,000 SF new school fully air conditioned.

BOSTON MILDRED AVENUE MIDDLE SCHOOL AND COMMUNITY CENTER

2003

Boston, MA

\$37.8M - 172,400 SF including community center, new air conditioned facility with heat recovery. Community Center includes a swimming pool, gymnasium, daycare, senior lounge, and a recording studio with an editing suite for teens.

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CAPUANO EARLY CHILDHOOD CENTER

2003

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. LEED Certification is pending.

WALTHAM NORTHEAST ELEMENTARY SCHOOL

2003

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.

WALTHAM STANLEY ELEMENTARY SCHOOL

(LEED SILVER CERTIFIED 2006)

2003

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.

BOSTON BRUNSWICK GARDEN MIDDLE SCHOOL

2003

Boston, MA

\$24.5M - 144,000 SF new air conditioned school with heat recovery.

WALTHAM McDEVITT 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.

EVERETT HIGH SCHOOL

2003

Everett, MA

\$52M, 303,000 SF new facility including Vocational Education wing. Majority of spaces air conditioned. *Design only.*

CHELSEA HIGH SCHOOL ADDITION

2002

Chelsea, MA

\$12M - 85,000 SF addition and 17,000 SF renovation fully air conditioned.

LEXINGTON HIGH SCHOOL

2002

Lexington, MA

\$20M, 321,000 SF; renovation/addition; \$7M mechanical – electrical.

WAKEFIELD WOODVILLE ELEMENTARY SCHOOL

2002

Wakefield, MA

\$9M - 70,000 SF new school.

WOODVILLE ELEMENTARY SCHOOL

2002

Wakefield, MA

69,000 SF new project.

NEWPORT THOMPSON MIDDLE SCHOOL

2002

Newport, RI

\$15M - 85,000 SF new and 18,000 SF renovation.

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<p><u>LEXINGTON DIAMOND MIDDLE SCHOOL</u> Lexington, MA \$10M renovation.</p>	2002
<p><u>LEXINGTON CLARK MIDDLE SCHOOL</u> Lexington, MA \$6M renovation.</p>	2002
<p><u>WINCHESTER LINCOLN K-5 ELEMENTARY SCHOOL</u> Winchester, MA \$10M - 70,000 SF new school fully air conditioned.</p>	2002
<p><u>WOBURN SHAMROCK PRE-K TO 5 ELEMENTARY SCHOOL</u> Woburn, MA \$8M - 63,000 SF new school fully air conditioned.</p>	2002
<p><u>MEDFORD BROOKS ELEMENTARY SCHOOL</u> Medford, MA \$14M - 95,000 SF new school fully air conditioned.</p>	2002
<p><u>MEDFORD COLUMBUS ELEMENTARY SCHOOL</u> Medford, MA \$14M - 95,000 SF new school.</p>	2002
<p><u>MEDFORD ROBERTS ELEMENTARY SCHOOL</u> Medford, MA \$14M - 95,000 SF new school fully air conditioned.</p>	2002
<p><u>MASCONOMET REGIONAL MIDDLE SCHOOL AND HIGH SCHOOL</u> Boxford, MA \$41.8M addition/renovation, 353,000 SF (178,000 SF renovation [M.S.], 175,000 SF new [H.S.]) \$6.7M mechanical; electrical by others.</p>	2002
<p><u>TRITON REGIONAL MIDDLE SCHOOL AND HIGH SCHOOL</u> Newbury, MA \$22M project including 218,000 SF of renovation and 67,500 SF of addition; \$7.4M mechanical and electrical including conversion of all electric heating system.</p>	2002
<p><u>LEWIS ELEMENTARY</u> Everett, MA 125,000 SF new building fully air conditioned.</p>	2001
<p><u>BOSTON LATIN HIGH SCHOOL</u> Boston, MA \$22M project including 35,000 SF addition with kitchen, cafeteria, theater, and classrooms and renovations to existing 280,000 SF facility library, science classrooms, and infrastructure revisions. Mechanical and electrical work valued at \$6M.</p>	2001
<p><u>LYNN ENGLISH HIGH</u> Lynn, MA \$17M addition and renovation.</p>	2001

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<p><u>NEWMAN, LINDEN AND FORRESTDALE ELEMENTARY</u> Malden, MA Two new 117,000 SF and one new 101,000 SF fully air conditioned school at total construction cost of \$4M. Construction to be phased.</p>	<p>(1) 2000 (2) 2001</p>
<p><u>WINCHESTER McCALL MIDDLE</u> Winchester, MA \$13M addition/renovation, 154,000 SF; \$4.3M mechanical and electrical.</p>	<p>2000</p>
<p><u>WILMINGTON MIDDLE (Mechanical)</u> Wilmington, MA \$18.9M new 148,000 SF school. \$2.7M mechanical costs.</p>	<p>2000</p>
<p><u>LAFAYETTE ELEMENTARY</u> Everett, MA 125,000 SF new building fully air conditioned.</p>	<p>1999</p>
<p><u>DOLBEARE ELEMENTARY</u> Wakefield, MA 27,000 SF renovation/43,000 SF addition. \$7.1M project.</p>	<p>1999</p>
<p><u>J.F. RYAN ELEMENTARY (Mechanical)</u> Tewksbury, MA \$11.4M, 107,000 SF new school.</p>	<p>1999</p>
<p><u>ROOSEVELT PARK AND BEEBE ELEMENTARY</u> Malden, MA Two new 172,000 SF and 135,000 SF fully air conditioned schools including a field house at Roosevelt Park at \$34M total construction cost. Schools to be constructed in sequence</p>	<p>1999</p>
<p><u>SUMNER AVENUE ELEMENTARY</u> Springfield, MA \$8.1M, 80,000 SF addition and renovation.</p>	<p>1999</p>
<p><u>INDIAN ORCHARD ELEMENTARY</u> Springfield, MA \$8.7M, 89,000 SF addition and renovation.</p>	<p>1999</p>
<p><u>DANVERS HIGH SCHOOL – MASTER PLAN STUDY</u> Danvers, MA</p>	<p>1998 & 1996</p>
<p><u>HAVERHILL ELEMENTARY SCHOOLS</u> Haverhill, MA Two (2) \$8.5M - 78,000 SF partially air conditioned schools.</p>	<p>1998</p>
<p><u>HOPKINS ELEMENTARY SCHOOL</u> Hopkinton, MA \$9M, 78,000 SF new school.</p>	<p>1998</p>
<p><u>CENTRAL TREE MIDDLE SCHOOL</u> Rutland, MA \$10M, 78,000 SF new school.</p>	<p>1998</p>

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ROXBURY EARLY LEARNING CENTER

Boston, MA
\$6.8M; 35,000 SF.

1998

EAST BOSTON EARLY EDUCATION CENTER

Boston, MA
\$7.3M; 36,400 SF.

1998

CONCORD CARLISLE REGIONAL HIGH / PHASE 1 & 2

Concord, MA
\$1.9M renovation to HVAC system as part of \$5.3M - 235,000 SF project.

***D - 1997 - PH 2
1994 - PH 1 &***

BREWSTER ELEMENTARY

Brewster, MA
\$8.5M new 70,000 SF project.

1997

FULLER MEADOWS

Middleton, MA
\$4M addition and renovation.

1997

NORTH ANDOVER MIDDLE

North Andover, MA
\$13.2M addition and renovation.

1997

CHELSEA ELEMENTARY AND MIDDLE

Chelsea, MA
New construction; \$30M, 250,000 SF elementary and \$20M, 140,000 SF middle school - fully air conditioned.

1997

FALES ELEMENTARY

Westborough, MA
\$2M addition and renovation.

1996

GIBBONS MIDDLE

Westborough, MA
\$4.7M addition and renovation.

1996

ARMSTRONG ELEMENTARY

Westborough, MA
\$5.8M addition and renovation.

1996

ANDOVER HIGH

Andover, MA
\$20M, 90,000 SF addition of science department and physical education expansion and 210,000 SF renovation. Conversion of electric to hydronic heat.

1996

BROOKLINE HIGH MASTER PLAN I & II

Brookline, MA
Analysis and recommendations for renovation of 400,000 square foot; 3 building urban high school campus.

***S
1995***

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<p><u>SMITH, BROOKS & HASTING - ELEMENTARY AND MIDDLE</u> Lincoln, MA \$9M addition and renovation.</p>	1995
<p><u>AGASSIZ ELEMENTARY</u> Cambridge, MA 70,000 SF new elementary school. \$10.4M - fully air conditioned.</p>	1995
<p><u>MCCARTHY ELEMENTARY</u> Framingham, MA \$8.5M, 50,000 SF renovation and 45,000 addition to elementary school.</p>	1995
<p><u>MURDOCK JR. / SR. HIGH AND MIDDLE</u> Winchendon, MA \$16M - 170,000 SF new/partially air conditioned school. \$2.35M total mechanical cost.</p>	1995
<p><u>SALEM SCHOOLS</u> Salem, MA \$39M additions and renovations at four schools.</p>	1993 - 1995
<p><u>HAVERHILL: GOLDEN HILL AND SILVER HILL</u> Haverhill, MA Two (2) new \$8M - 78,000 SF partially air conditioned schools.</p>	1993
<p><u>ENDICOTT AND TAYLOR SCHOOLS</u> Boston, MA Boiler replacement and plumbing revisions.</p>	1993
<p><u>BRADLEY AND WINTHROP</u> Boston, MA Boiler replacement.</p>	1993
<p><u>DEERFIELD ELEMENTARY</u> Deerfield, MA \$8.0M new facility.</p>	1993
<p><u>NAUSET REGIONAL MIDDLE</u> Nauset, MA \$16.5M.</p>	1993
<p><u>LOWELL BUTLER ELEMENTARY</u> Lowell, MA \$8M - 91,000 SF new fully air conditioned school.</p>	1992
<p><u>TRURO ELEMENTARY</u> Truro, MA \$4.5M addition and renovation.</p>	1992
<p><u>COLUMBUS ELEMENTARY AND MIDDLE</u> Columbus, Indiana \$20M additions and renovations at two schools. \$5M mechanical contract. Fully air conditioned projects. 260,000 SF.</p>	1992

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TYNGSBOROUGH HIGH

1992

Tyngsborough, MA
\$15M - 120,000 SF new partially air conditioned school including ice storage cooling system.

LOWELL - BAILEY AND SHAUGNESSY ELEMENTARY

1991

Lowell, MA
Two (2) new \$7.5M partially air conditioned schools - 63,000 SF each.

BOSTON LATIN ACADEMY

1991

Boston, MA
\$11M - 250,000 SF renovation.

METHUEN ELEMENTARY

1990

Methuen, MA
\$17.5M - 170,000 SF partially air conditioned new facility.

ROCHESTER ELEMENTARY AND MIDDLE

1990

Rochester, MA
\$6.5M addition and renovation.

SANDWICH ELEMENTARY / MIDDLE

1990

Sandwich, MA
Two (2) \$11M schools of 110,000 SF each.

BROOKLINE HIGH SCHOOL

1989

Brookline, MA
\$3.5M renovation of science wing.

BOSTON LATIN HIGH

1989

Boston, MA
\$16M addition and renovation.

NANTUCKET HIGH, MIDDLE AND ELEMENTARY

1989

Nantucket, MA
\$28M addition/renovation, including Vocational Education component and indoor swimming pool.

LEWIS, TIMILTY, HOLMES AND WINTHROP

1989

Boston, MA
\$1.7M renovation of four school boiler rooms.

SUNDERLAND ELEMENTARY

1988

Sunderland, MA
\$6M new facility.

SOMERVILLE HIGH

1987

Somerville, MA
\$21M addition, including major Vocational Education component and renovations.

DARTMOUTH HIGH

1981

Dartmouth, MA
\$3.5M addition and renovations.

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MARTHA'S VINEYARD REGIONAL HIGH

1980

Oak Bluffs, MA
\$3.5M addition.

HUBERT H. HUMPHREY OCCUPATIONAL RESOURCE CENTER

1980

Boston, MA
\$30M new vocational education center.

**CHARLESTOWN HIGH SCHOOL, COMMUNITY SCHOOL AND PHYSICAL
EDUCATION COMMUNITY CENTER**

1978

Boston, MA
\$14.0M new project; fully air conditioned.