Massachusetts School Building Authority

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Model Schools Phase V

Staff Recommendations

June 8, 2011

www.MassSchoolBuildings.org



Introduction to Model School Program

- 45 schools submitted in Phases I – V by 17 design firms
- 10 schools accepted as model schools
  - 4 high schools (Ashland, Hudson, Whitman-Hanson, Shrewsbury)
  - 1 middle/high school (Ipswich)
  - 1 middle school (Lynnfield)
  - 4 elementary schools (Fairhaven, Winthrop, Groton CT, Williamstown)
- 16 schools currently under consideration
  - 4 elementary schools in Phase III & IV
  - 12 schools of different grade configurations in Phase V

June 8, 2011 Staff Recommendations

- Six designs are recommended by staff for the Model School program as presented here, representing 5 designers. This brings the total count of approved designs to 12 designers and 16 schools.
  - Two of these six are from the previous phases III & IV

Lanesborough Elementary School

- District: Lanesborough
- Designer: Dore & Whittier Architects, Inc.
- Grades Served: PK-6
- Design Enrollment: 350
- GSF: 57,595 sq.ft



Lanesborough Elementary School

MSBA staff recognizes the positive aspects of the submitted project, as described below, and **recommends this project** as a Model School, subject to and contingent upon the Designer agreeing to meet a number of conditions. In order for the MSBA to approve this school as a Model School, the Designer must acknowledge and agree to make a number of changes to the design of the school, including, but not limited to, the items listed below as "conditional approval items."

Assets Recognized:

- Easily adaptable to other sites
- Flexible for future expansion
- Compact and efficiently organized design
- Programmatic adjacencies work well
- Separation of academic and public spaces
- Ample natural daylight
- Well designed and highly utilized courtyard

Conditional Approval Items Include:

- Unusual roof system
- Every other classroom has exterior doors
- Use of EIFS
- Provide natural daylight in gymnasium
- Adapt spaces to conform to curriculum, enrollment and MSBA standards
- Comply with all applicable DESE requirements
- Update design to comply with the MSBA's Green Policy
- Update the design to comply with all applicable codes
- Incorporate other items at MSBA's discretion

Lincoln Elementary School

- District: New Bedford
- Designer: Mount Vernon Group Architects
- Grades Served: PK-5
- Design Enrollment: 600
- GSF: 91,217 sq.ft





Lincoln Elementary School

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Assets Recognized:

- Easily adaptable to other sites
- Compact footprint
- Efficiently organized design
- Targeted 44 MA-CHPS points
- Gym and cafeteria are easily isolated for public events
- Ample natural light
- Courtyard is attractive and easy to maintain
- Exterior materials are proportioned and pleasing

Conditional Approval Items Include:

- Omit teacher dining/community room and excess storage rooms
- Consider unusual steps in roof levels
- Consider using more cost effective and durable interior materials
- Adapt spaces to conform to curriculum, enrollment and MSBA standards*
  - Cafeteria
  - Art & music rooms
  - Gymnasium
- Comply with all applicable DESE requirements
- Update design to comply with the MSBA's Green Policy
- Update the design to comply with all applicable codes
- Incorporate other items at MSBA's discretion

*This is not an exhaustive list of spaces that would require revision in order to conform with MSBA guidelines.

Malcolm White Elementary School

- District: Woburn
- Designer: Tappé Associates, Inc.
- Grades Served: PK-5
- Design Enrollment: 406
- GSF: 67,500 sq.ft



Malcolm White Elementary School

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Assets Recognized:

- Easily adaptable to other sites
- Compact footprint
- Efficiently organized design
- Flexible for future expansion
- Sq. footage of spaces are generally compliant with MSBA standards
- Ample natural light in perimeter locations
  - Kindergarten has floor to ceiling windows
  - Classrooms and library are well lit
- Cubby areas used in classrooms as storage and group instruction space
- Classrooms are interchangeable amongst grade levels

Conditional Approval Items Include:

- Music and gymnatorium on two different floors
  - Move lower level up to first floor for a flat site
- Adapt kitchen for full service use if needed
- Add more bathrooms on second floor
- Increase natural light to interior spaces
- Adapt spaces to conform to curriculum, enrollment and MSBA standards*
  - Cafeteria
- Comply with all applicable DESE requirements
  - Redistribute SPED amongst classrooms
- Update design to comply with the MSBA's Green Policy
- Update the design to comply with all applicable codes
- Incorporate other items at MSBA's discretion

*This is not an exhaustive list of spaces that would require revision in order to conform with MSBA guidelines.

Manchester Essex Jr/Sr High School

- District: Manchester Essex RSD
- Designer: Mount Vernon Group Architects
- Grades Served: 6-12
- Design Enrollment: 750
- GSF: 163,720 sq.ft



Manchester Essex Jr/Sr High School

MSBA staff recognizes the positive aspects of the submitted project, as described below, and **recommends this project** as a Model School, subject to and contingent upon the Designer agreeing to meet a number of conditions. In order for the MSBA to approve this school as a Model School, the Designer must acknowledge and agree to make a number of changes to the design of the school, including, but not limited to, the items listed below as "conditional approval items."

Assets Recognized:

- Easily adaptable to other sites
- Energy efficient
  - MA-CHPS: 41 points
- Compact and well organized footprint
- Materials are well chosen and cost effective
- Ample natural light
- Combined MS/HS works because they are separated by wing; connected by wing of science labs and shared core spaces
- Assembly space has a partition that allows double use of space
- Mechanical equipment housed within the building enclosure is practical and efficient
- Gym and auditorium are easily isolated for public events

Conditional Approval Items Include:

- Expensive construction, premium finishes
- Omit district spaces
- Adapt spaces to conform to curriculum, enrollment and MSBA standards*
  - Classrooms
  - SPED
  - Offices
- Comply with all applicable DESE requirements
- Update the design to comply with the MSBA's Green Policy
- Update design to comply with all applicable codes
- Update science labs to current MSBA standards
- Incorporate other items at the MSBA's discretion

*This is not an exhaustive list of spaces that would require revision in order to conform with MSBA guidelines.

Bournedale Elementary School

- District: Bourne
- Designer: Kaestle Boos Associates
- Grades Served: PK-4
- Design Enrollment: 650
- GSF: 68,120 sq.ft





Bournedale Elementary School

MSBA staff recognizes the positive aspects of the submitted project, as described below, and **recommends this project** as a Model School, subject to and contingent upon the Designer agreeing to meet a number of conditions. In order for the MSBA to approve this school as a Model School, the Designer must acknowledge and agree to make a number of changes to the design of the school, including, but not limited to, the items listed below as "conditional approval items."

Assets Recognized:

- Compact and well organized footprint
- Flexible for future expansion
- Ample natural light in classrooms
- Compact design creates cost efficiency
- Energy efficient
  - Displacement ventilation system to enhance comfort of faculty/students

Conditional Approval Items Include:

- Reorganize placement of bathrooms
- Consider more age appropriate finishes on interior and exterior colors
- Reconfigure isolated roof plane changes
- Remedy acoustic issues in the gym
- Increase natural day lighting where possible
- Adapt spaces to conform to curriculum, enrollment and MSBA standards*
  - Gym
  - SPED
- Comply with all applicable DESE requirements
- Update the design to comply with the MSBA's Green Policy
- Update the design to comply with all applicable codes
- Incorporate other items at the MSBA's discretion

*This is not an exhaustive list of spaces that would require revision in order to conform with MSBA guidelines.

Chickering Elementary School

- District: Dover
- Designer: Flansburgh Architects
- Grades Served: PK-5
- Design Enrollment: 700
- GSF: 93,000 sq.ft





Chickering Elementary School

MSBA staff recognizes the positive aspects of the submitted project, as described below, and **recommends this project** as a Model School, subject to and contingent upon the Designer agreeing to meet a number of conditions. In order for the MSBA to approve this school as a Model School, the Designer must acknowledge and agree to make a number of changes to the design of the school, including, but not limited to, the items listed below as "conditional approval items."

Assets Recognized:

- Efficiently arranged and cost effective
- Flexible for future expansion
- Ample natural light in classrooms
- Attractive classrooms and break out spaces
- Good use of interior materials

Conditional Approval Items Include:

- Narrow corridors
- Increase natural light in art & music rooms
- Consider more cost effective exterior finishes for better long term maintenance
- Excessive space height and roof expanse in some locations
- Air handling units very noisy in classroom and hallway areas
- Adapt spaces to conform to curriculum, enrollment and MSBA standards*
  - Decrease cubby storage
- Comply with all applicable DESE requirements
- Update the design to comply with the MSBA's Green Policy
- Update the design to comply with all applicable codes
  - Bathroom doors encroach into corridors
- Incorporate other items at the MSBA's discretion

*This is not an exhaustive list of spaces that would require revision in order to conform with MSBA guidelines.

Design Enrollment Chart

