

## **Educational Specifications**

The educational specifications are the "roadmap" for school design. The educational specifications display how the educational program and student enrollments are going to be met in a particular school facility. Starting with the core classrooms that deal primarily with facility capacity, the educational specifications represent the series of functional spaces required to produce the schools that meet Hanover's needs. Art, music, computer labs, library/media center, gymnasium, cafeteria, etc. all round out the program that make a comprehensive school setting.

Dore and Whittier, Inc. in collaboration with Dr. Frank Locker established a series of meetings with the Hanover School Department to present current educational trends and to solicit input regarding Hanover's educational needs. Out of the various presentations, meetings and written surveys came a base educational specification for the Sylvester Elementary School and the Hanover High School. Dore and Whittier, Inc., working with the school principals then went through a series of revisions and updates to the educational specifications. The revisions were necessitated by the need to work within the School Building Assistance (SBA) guidelines to assure that projects would be deemed fundable through their reimbursement program. (SBA 603 CMR 38.00 is a group within the Massachusetts Department of Education that partially funds qualified school construction projects throughout the state as long as their regulations are satisfied).

The first sets of educational specifications are those developed by Dr. Locker. Subsequent updates occurred and the final working copies are presented. The final working copies are those endorsed by the School Committee, which allowed Dore and Whittier, Inc. to develop options for review. The educational specifications could be further revised as design continues into more detailed presentations.

## **Initial Draft of Educational Specifications**

The following set of educational specifications in spreadsheet format are the initial draft developed by Dr. Frank Locker. These were developed through a series of superintendent, principal, teacher and staff meetings. The school department also took part in written surveys and group workshops to determine the needs and desires of the Hanover public schools. A sampling of these surveys is included in the Appendix.

## **Sylvester Elementary School Educational Specifications**

Educational specifications were developed to meet the enrollment projections and the educational program requirements of the Sylvester Elementary School. Sylvester Elementary School is unique in that it does not programmatically stand on its own. It actually shares certain core facility programs with the Center Elementary School located  $\pm 300$  yards away from the Sylvester. Sylvester students travel outdoors, unprotected from weather to the Center for physical education, art and music. Center students do not have to travel to Sylvester for any programs since they are all contained within their building. It is also important to note that (1) principal serves both schools by maintaining an office within both buildings and traveling back and forth throughout the day.

There are (3) versions of the Sylvester Elementary School educational specifications. This corresponds to (3) very different ideas about how to meet Sylvester's needs. The (3) versions are Sylvester as:

1. Stand Alone School
2. Center School Annex
3. Center School Addition

Each educational specification meets the needs of the Sylvester community but by different solutions.

1. Stand Alone School

This educational specification was developed to determine the educational and spatial requirements to allow Sylvester to be free of the need to utilize Center Elementary School for physical education, art and music. The highlights of this educational specification are:

- ?? Add (3) classrooms for enrollment projections
- ?? Add (1) art room
- ?? Add (1) music room
- ?? Increase the size of the library/media center
- ?? Add (1) gymnasium
- ?? Add (1) health classroom
- ?? Add special needs and remedial spaces
- ?? Add administrative, health and guidance space
- ?? Add teacher planning space
- ?? Add community boys and girls locker rooms
- ?? Add building storage

2. Center School Annex

This educational specification allows the current Center/Sylvester relationship to remain as is. Students would continue to travel from the Sylvester to the Center for physical education, art and music. The highlights of the educational specification are:

- ?? Add (3) classrooms for enrollment projections
- ?? Increase the size of the library/media center
- ?? Add (1) health classroom
- ?? Add special needs and remedial spaces
- ?? Add administrative, health and guidance space
- ?? Add teacher planning space
- ?? Add community boys and girls locker rooms
- ?? Add building storage

3. Center School Addition

This educational specification moves the Sylvester Elementary School population into the Center Elementary School building. The Sylvester Elementary School would no longer be utilized as an educational facility as it is currently recognized. Additional classroom space would be required for the Sylvester Elementary School population and other additional program spaces will be required to meet the larger population. The highlights of the educational specification are:

- ?? Add (13) classrooms for the projected Sylvester Elementary School population
- ?? Add (2) student project rooms
- ?? Add space to the existing library/media center, cafeteria and kitchen to meet increased enrollments
- ?? Add (1) computer lab
- ?? Add (1) resource room and a remedial reading room
- ?? Add (1) teacher planning room
- ?? Add administrative and health space
- ?? Add community boys and girls locker rooms
- ?? Add building storage

## **Hanover High School Educational Specifications**

Educational specifications were developed to meet the enrollment projections and the educational program requirements of the Hanover High School. There are (2) versions of the educational specifications. One version responds to an additions and renovations project at the existing high school. The additions/renovations educational specifications respond to the existing spaces in the building and the required additional space. There are variations in some programming space square footages due to inefficiencies in the existing building layout that may not be cost effective to renovate. This produces an overall educational specification building size that is larger than a new high school.

The other version responds to a new high scenario. All spaces are sized to meet the educational specifications. The inefficiencies are not present because there is no existing building to work around.

Whether the existing school is renovated and added onto or a new school is constructed the actual number of educational spaces remains the same. The following are the highlights of the Hanover High School educational specifications:

- ?? Add (4) general classrooms
- ?? Add (1) computer lab
- ?? Add (2) art rooms
- ?? Increase the size of the computer aided drafting (CAD) and hands-on lab
- ?? Add (1) TV production studio
- ?? Add (1) multi-purpose room for combined classroom instruction, lecture or performance
- ?? Add (1) band room and (1) music theory room
- ?? Increase size of library/media center and add (1) conference room, (3) project rooms and library specialist support space.
- ?? Increase size of gymnasium to meet competitive athletics requirements, an auxiliary gym for enrollment needs and a visiting team locker room
- ?? Add (4) special needs resource rooms and (1) alternative education classroom
- ?? Increase size of cafeteria and kitchen to meet enrollment projections
- ?? Increase size of 350 seat auditorium to 500 seats to meet 50% of student population in (1) seating. Stage and support space increase required also
- ?? Increase size of administration, health and guidance to meet enrollment projections
- ?? Separate teacher dining space from planning space and add (2) copy areas