

progress

2019 EDUCATION ISSUE

Architectural Services for Centennial School District >>

EI Associates partnered with the Centennial School District to provide design solutions for three of the District's aging swimming pools along with modifications to their two middle school auditoriums and athletic stadium renovations. In 2018 the Centennial School District commissioned EI Associates to perform a feasibility study of their three current swimming pool facilities to survey the existing conditions and determine whether the District should renovate, discontinue, or repurpose the existing pool facilities. After careful review and discussion regarding the findings from the study the District determined that the best solution for the two aging pool facilities

Continued on back page



EI Associates Reviews Aging Natatoriums with the Centennial School District

21st Century Science Labs for Metuchen >>

Two new state of the art, multi-functional science labs were designed by EI Associates and added to Metuchen High School as part of the District's initiative to expand science and technology opportunities for students in grades 9-12. The two-story science wing addition is located adjacent to the current science labs. It features traditional as well as flexible work stations to enable various science programs to be taught and better address the goals of the Next Generation Science Standards (NGSS). The first floor lab includes student work stations with sinks, gas and electric services and will support additional chemistry classes.

Continued on back page



New Second Floor Science Lab

New Design Meets Program Challenges >>



New Second Floor Music Room

Faced with the need to provide immediate classroom space for a self-contained Special Education class that will be entering the Demarest Middle School in 2020 as well as meeting imminent enrollment growth, Demarest officials and EI Associates embarked on a unique plan that combined designing new classroom space, re-purposing existing classroom space, and upgrading electrical and HVAC systems to meet this challenge.

The project included the design and construction of a second floor music room addition to accommodate the school band and performing arts program. Two existing storage areas were modified to create a rehearsal/control room for the music program. This addition was constructed during the summer, above an existing classroom that was transformed into a 21st Century Science/Technology classroom. The existing second floor music room was re-purposed into two classrooms which will be used for a Wellness Center and World Language instruction. In addition to the new and re-purposed instructional spaces, the existing gymnasium/auditorium heating system was removed and replaced with a new HVAC system designed to provide air conditioning for events held in the warmer months. In addition electrical and lighting upgrades were provided for the stage area.

Security Upgrades for Hasbrouck Heights Elementary Schools >>

For years visitors to the Euclid and Lincoln Elementary Schools in Hasbrouck Heights were remotely “buzzed” into the schools. They climbed the stairs to check-in at the second floor main office. To address safety concerns the District requested improvements to provide a more secure visitation process at both schools.

Working closely with the District administration and school staff EI Associates devised an effective security plan by relocating the main offices to the first floor of each school and converting the second floor main offices to general classroom space. The conversions of the second floor offices involved the installation of moveable furnishings including student desks and chairs, a computer area with a charging station for six laptops and one printer, a pull down projection screen or specialized wall area for projection of digital presentations, and minor modifications to existing HVAC and electrical distribution systems.

New secure vestibules were constructed at each school, adjacent to the new first floor main office areas, to restrict visitors pending the review of credentials and verification of the purpose of the visit. Security vision panels were also installed in the new main offices to permit visitor screening.



New Security Entrance



The Bedford Area School District Seeks Renovations for Aging Middle School & High School

Bedford Area SD Renovations and Additions >>

EI Associates began working with the Bedford Area School District in 2008 after we were retained to perform a District-Wide Feasibility Study. In 2011 the EI team successfully assisted the District with the design of renovations and expansions to their Middle School to improve the educational environment and meet the needs of their educational programming. The District has once again called upon EI Associates to provide an updated comprehensive District-Wide Feasibility Study which has been recently completed. EI Associates has now been retained to design modifications to Bedford High School. We are also currently in the design development phase of a project to provide the District with options for total renovations of their athletic field/stadium, the addition of a new PIAA competition gymnasium, and support spaces.

Summit Athletic Field Gets Turf Upgrade >>

EI Associates recently assisted Summit Public Schools with the replacement of synthetic turf at the High School athletic fields. The work scope includes the repair and upgrade of existing perimeter fencing, the replacement of light poles and team benches, the replacement of lawn areas with synthetic turf, and the installation of a new electronic scoreboard. To correct ponding water issues with the original field, the project also covered the replacement of the inadequate subsurface drainage layer with a new geotextile, stone aggregate and flat underdrain system. The new synthetic turf fields were designed to accommodate both Boys and Girls Soccer and Lacrosse along with Field Hockey and Baseball. The work was executed under the Union County Cooperative program.



High School Multi-Purpose Athletic Fields

New Baron Elementary School Dedication >>



Jim Martin Hands Over the Key to Dr. Peter Aiken to the Newly Constructed Baron Elementary School



El Associates and the Manheim Central School District celebrated the Dedication and Open House for the new Baron Elementary School. The new school was opened for staff, students, and the community to tour after the official ribbon cutting ceremony and presentation of the "Key to the School" to Dr. Peter Aiken, Superintendent of Manheim Central School District by El Associates Jim Martin, Director of Production.

The new Baron Elementary School contains 24 academic classrooms housing grades Pre-K through 4th as well as support classrooms, a music room with a practice room and instrument storage room adjacent, and an art room with storage space. Core learning and support areas include a full-size gymnasium with performance platform/stage that

sees through to student dining and the kitchen services area, a media center, small group instruction rooms and a large group instruction space, and an administrative, guidance and health suite with faculty and building services areas throughout. The school is a modern, high-performance building, meeting the highest educational facility standards. The design of the new school allows for maximum flexibility of space for current and future use.

The project has been designed to obtain LEED® Gold Certification. It will be highly sustainable, incorporating materials and systems that require minimal energy use. El Associates also successfully assisted the District in obtaining a \$2 million grant from the Alternative & Clean Energy Program.

Weatherly Area School District Renovation >>

El Associates began working with the Weatherly Area School District in 2018 to determine necessary upgrades to bring their Elementary/Middle School and High School facilities up to current accessibility and building codes. Planned renovations for the facilities include upgrades to mechanical, electrical, and plumbing systems with new energy efficient systems and alterations were made to address safety and security issues. Asbestos was abated and all buildings received new finishes throughout. The construction cost for the project is approximately \$8,000,000.

El Associates Works with the Weatherly Area School District Providing Options to Upgrade their Facilities



Classroom Expansion for Piscataway Township Schools >>



To meet increased enrollment at the Grandview Elementary School in Piscataway El Associates collaborated with school officials to design a four classroom Early Childhood addition for Kindergarten and Grade 1 students. The addition provides two new Kindergarten classrooms with open floor space accommodating a variety of learning stations, moveable storage units for flexible configurations, tack board and marker board for displays as well as ADA compliant lavatories. Both Kindergarten classes are located to ensure easy access to the media center and other specialized activity areas in the

building. They are also close proximity to entrances to permit special drop-off and pick-up. Like the new Kindergarten classrooms, the two new 1st Grade classrooms contain moveable furnishings including desks, chairs, worktables and shelving to provide for flexible use of the classroom and support a variety of instructional configurations. These classrooms are clustered with other grade level classes to enhance collaborative planning, sharing of resources and team teaching.

Continued on back page

Comprehensive District-Wide Study at Southern Huntingdon County >>



District-Wide Feasibility Study Provides Options for 3-Aging Schools

In January 2019 the Southern Huntingdon County School District retained El Associates to perform a comprehensive district-wide feasibility study with a request that special attention be paid to their three aging elementary school facilities. The Southern Huntingdon County School District is located in a rural area of south-central Pennsylvania that includes 12 boroughs and townships. The District's communities include an approximate population of 8,000 people, and the schools have a total enrollment of 1,380. The study conducted by El Associates was completed this Spring and is now serving the District as a tool for

addressing the current condition of their facilities and student population, while addressing future projects through long-term planning. After careful deliberation the District decided to pursue a new Primary Elementary Center that will house all elementary school students in one building on the same campus as their Middle School/ High School. The operational cost savings resulting from closing the three existing, aged elementary schools and uniting those populations into one new building substantially offset the construction cost of the new building.

Centennial School District continued:

at the Middle Schools was to infill both pools and determine alternative uses for the space that would fulfill added space needs of their educational programs. The District will also upgrade and maintain their fully operational High School swimming pool. Additionally the Centennial School District called upon EI Associates to assess and upgrade their two middle school auditoriums and athletic stadium. EI Associates is providing additional design services for upgrades to the auditoriums that will renew the space, lighting, sound system, acoustics, and seating while addressing building code and ADA compliance. EI Associates is also providing additional design services for upgrades to the District's athletic stadium including synthetic turf replacement.

Science Labs for Metuchen continued:

This lab also includes an adjoining prep room and a central chemical storage facility that will serve all of the school science labs. The second floor lab features more flexible furniture that will allow students to work in more collaborative groups at their work stations and will support all science areas as well as robotics and maker space activities. Tables and chairs can be raised to allow for a wide range of lab activities and student interaction. The second level also features a preparation area as well as a new science supervisor's office and utility room. These new science labs will have a significant impact on the District's science initiatives into the 21st Century.

Piscataway Township continued:

All four new classrooms include ample built-in storage units for equipment and supplies, upgraded electrical service to support new computers and digital projectors and IT infrastructure for both school-wide and regional WIFI networks. In addition to meeting growing enrollment needs, the new addition provides a positive and productive learning environment for Piscataway students.

News, Notes & Events

SUSTAINABLE DESIGN

LEED® Certified

Greater Nanticoke Area SD – Kennedy Early Childhood Center – Silver
Halifax Area SD – Halifax Area MS/HS – Gold
Hatboro-Horsham SD – Hallowell ES – Gold
Lehigh Area School District – MS – Gold
Lehigh Area SD – Lehigh Area Elementary Center – Gold
Manheim Central School District – Doe Run ES – Gold

Seeking LEED® Certification

Bensalem Township SD – Bensalem HS – Gold
Lehigh Area School District – HS – Gold
Manheim Central School District – Gramby Street ES – Gold

NEW PROJECTS

Bedford Area SD	Existing HS Renovations and Addition
Bedford County Players	Architectural Study of Existing Buildings & Grounds
Camp Hill SD	ES Alterations and Addition, MS/HS Alterations
Centennial SD	Infill of Pools & Auditorium Renovations at Klinger MS & Log College MS and Athletic Stadium Upgrades
Chestnut Ridge SD	District-Wide Feasibility Study
Demarest SD	MS Classroom Addition
Denville SD	Renovations to St. Mary's School
Dover SD	New Administration Building
Downington Area SD	District-Wide Feasibility Study
Elizabeth SD	District-Wide HVAC System Upgrades
Hasbrouck Heights SD	ES Security Upgrades
Hillsborough Township SD	Pre-Referendum Services
Lakewood SD	New TCU's, HVAC Upgrades
Lower Dauphin SD	Alterations/Renovations
Metuchen SD	New HS Science Classroom Addition
Newton BOE	HS Security Upgrades
Piscataway SD	New HS Monument Sign, New Entry Door Vestibules at 5 Schools, HS Ceiling & Lighting Replacements, HS Pavement & Sidewalk Replacements, HS Bleachers Field Lighting & Storage Facility
Rutgers University	Laboratory Renovations and HVAC Upgrades
Scotch-Plains Fanwood SD	New Culinary Arts Suite
Shamokin Area SD	Community Wellness & Athletic Center Feasibility Study
Shippensburg SD	District-Wide Feasibility Study
Southern Huntingdon Co. SD	New K-5 ES
Stevens Institute	Campus Electrical Service Upgrade
Summit SD	HS Multi-Purpose Synthetic Turf Athletic Fields
Weatherly Area SD	ES/MS/HS Renovations
West Orange SD	Comprehensive District-Wide Facility Assessment & Pre-Referendum Planning

EVENTS

- NJSBA/NJASBO/NJASA 2019 Workshop and Exhibition, "Imagine, Create, Lead" – October 21-24 – Atlantic City Convention Center, Atlantic City, NJ – Booth #521.
- PASA/PSBA School Leadership Conference, Hershey, PA – October 16-17, 2019 – Booth #431-433.
- PASBO Facilities Management & Transportation Conference, Grantville, PA – October 24-25, 2019 – Booth #27.
- PASBO Annual Conference, Pittsburgh, PA – March 18-29, 2020 – Booth #918.



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