

# Science and Technology Center Chestnut Hill Academy Philadelphia, PA



## PROJECT TEAM

**OWNER: CHESTNUT HILL ACADEMY**  
**OWNERS REP. : AEGIS PROPERTY GROUP**  
**ARCHITECT: LILLEY.DADAGIAN ARCHITECTS**  
**ASSOC. ARCHITECT: KRIEGER + ASSOC., INC.**  
**CM/GC: TUNER CONSTRUCTION COMPANY**  
**ENGINEERS: ROOME & GUARRACINO, LLC**  
**CAIRONE & KAUPP, INC.**  
**BRUCE E. BROOKES & ASSOC.**

## LEED/SUSTAINABILITY

**LEED FOR SCHOOLS CERTIFICATION**  
**PHOTOVOLTAIC CELLS**  
**SOLAR PANELS**  
**WIND TURBINE**  
**GREY WATER SYSTEM - POROUS PAVING**  
**AND STORM WATER RETENTION SYSTEM**

## ARCHITECTURAL FEATURES

**26,870 SQ.FT.**  
**TWO STORIES WITH MECHANICAL ATTIC**  
**STONE & STUCCO VENEER**  
**COURT YARD AND ABORETUM**  
**GLASS CURTINWALL AND PUNCHED WINDOWS**  
**ASHPHALT SHINGLES**

## ELECTRICAL SYSTEM

**480/277V , 3 PHASE, 4 WIRE**  
**POWER PROVIDED BY CAMPUS GRID**  
**400A MAIN DISTRIBUTION PANEL**  
**PRIMARILY FLOURESENT LIGHTING**  
**LUTRON ECO SYSTEM LIGHTING CONTROL**  
**HPS EXTERIOR PARKING LIGHTING**

## STRUCTURAL SYSTEM

**SPREAD FOOTING FOUNDATION**  
**SLAB ON GRADE**  
**STEEL BRACED FRAMES FOR LATERAL LOADS**  
**METAL DECKING WITH CONCRETE SLABS**  
**STRUCTURAL STEEL BEAMS AND COLUMNS**  
**METAL STUD FRAMED WALLS**

## MECHANICAL SYSTEM

**TWO AHU'S 6500 CFM & 8000 CFM WITH**  
**PACKAGED ENTHALPY WHEELS**  
**57.1 TON CHILLER**  
**VAV CONTROLLED DUCTWORK**



**MICHAEL R. POTHERING**  
**CONSTRUCTION MANAGEMENT**