

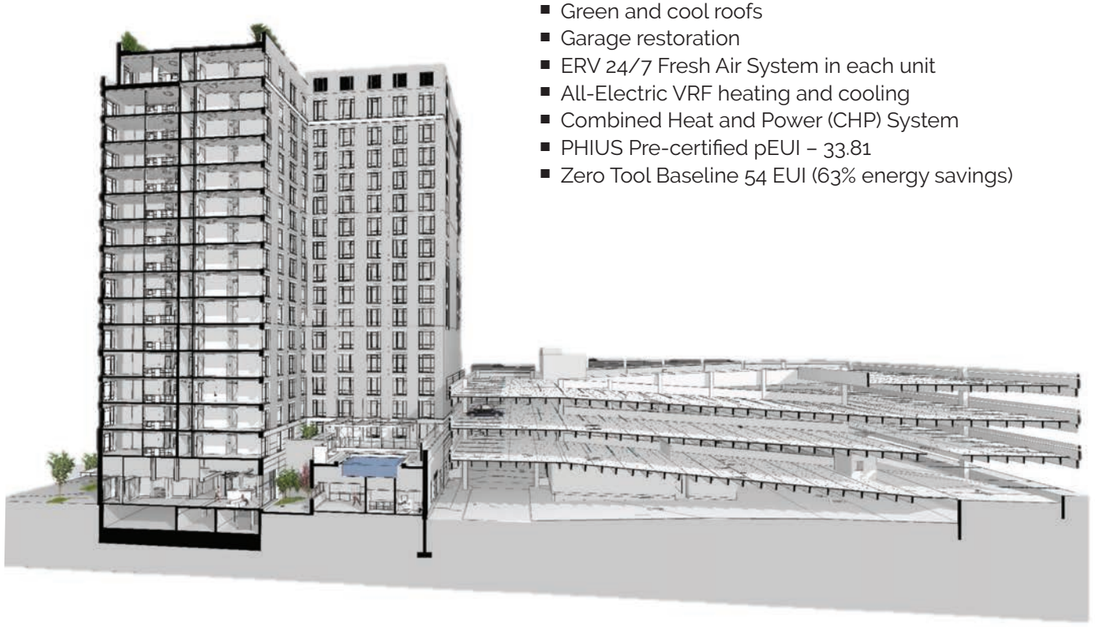
42 Broad Street Mt. Vernon, NY
Multi-Family Apartment Building





- 16 story, 249-unit, amenity-rich, market rate rental multi-family housing project in the Fleetwood section.

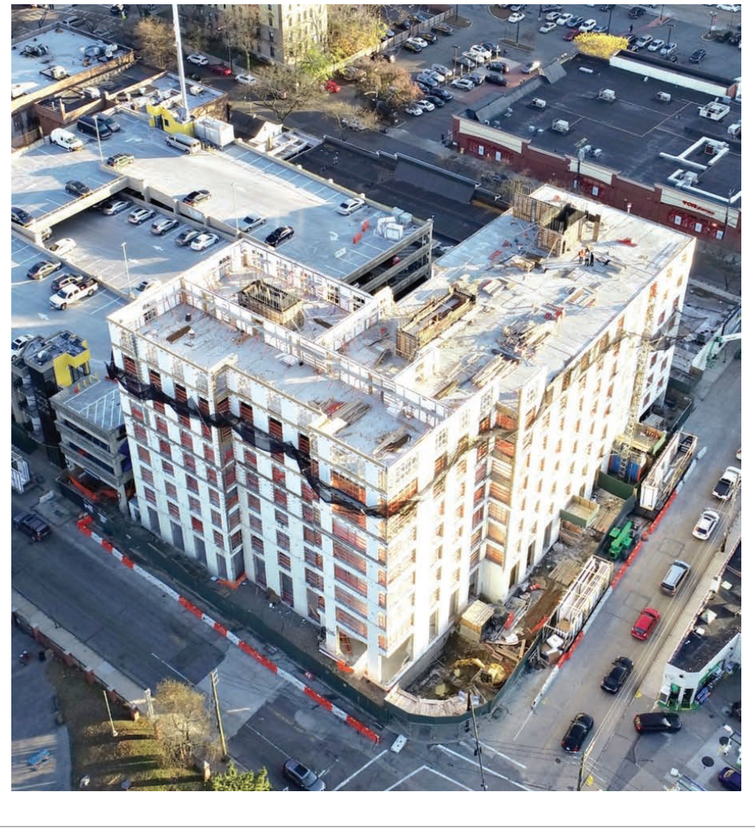
SUSTAINABILITY FEATURES



- Resilient durable construction
- Convenient to mass transit
- Combined Heat and Power (CHP) System
- Green and cool roofs
- Garage restoration
- ERV 24/7 Fresh Air System in each unit
- All-Electric VRF heating and cooling
- Combined Heat and Power (CHP) System
- PHIUS Pre-certified pEUI – 33.81
- Zero Tool Baseline 54 EUI (63% energy savings)

42 Broad Street Mt. Vernon, NY
Multi-Family Apartment Building







42 Broad Street Mt. Vernon, NY
Multi-Family Apartment Building

CONSTRUCTION

- Matt footings—address buoyancy
- Panelized ICF concrete bearing walls exterior and interior
- Twisted steel micro-rebar replaces horizontal rebar.
- Concrete plank floors and roof





DESIGN

- Speaks to local vernacular of row-houses and two-family dwellings.
- Parapets create undulating roof line.
- Wall surface undulates to create a sense of depth.
- Provide spaces for gathering to create community.

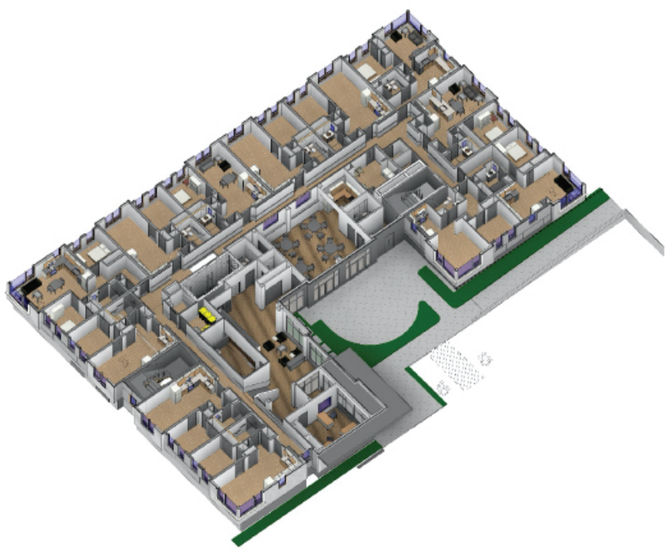




LaMora Yonkers, NY
Affordable Senior Living Apartments

PROGRAM

- (60) 55-and-over affordable rental apartments
- Fully-accessible and hearing-impaired units
- 60,000 Gross SF building area



MODULAR CONSTRUCTION

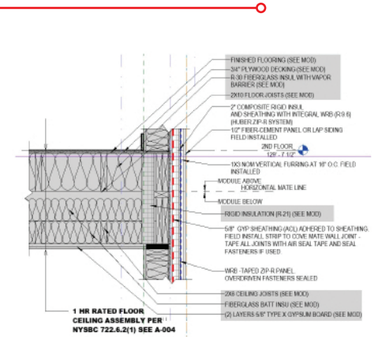
- Wood Frame Boxes sized for transport – 16 ft x 60 ft
- Windows, millwork, finished bathrooms prime painted walls and ceilings shipped with units.
- 2" gap horizontally and 3" gap vertically required for erection. Must be air-sealed on-site.



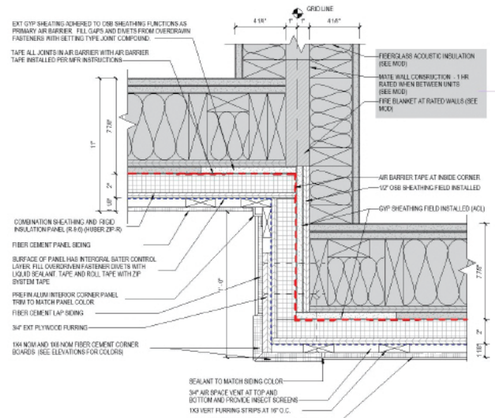


LaMora Yonkers, NY
Affordable Senior Living Apartments

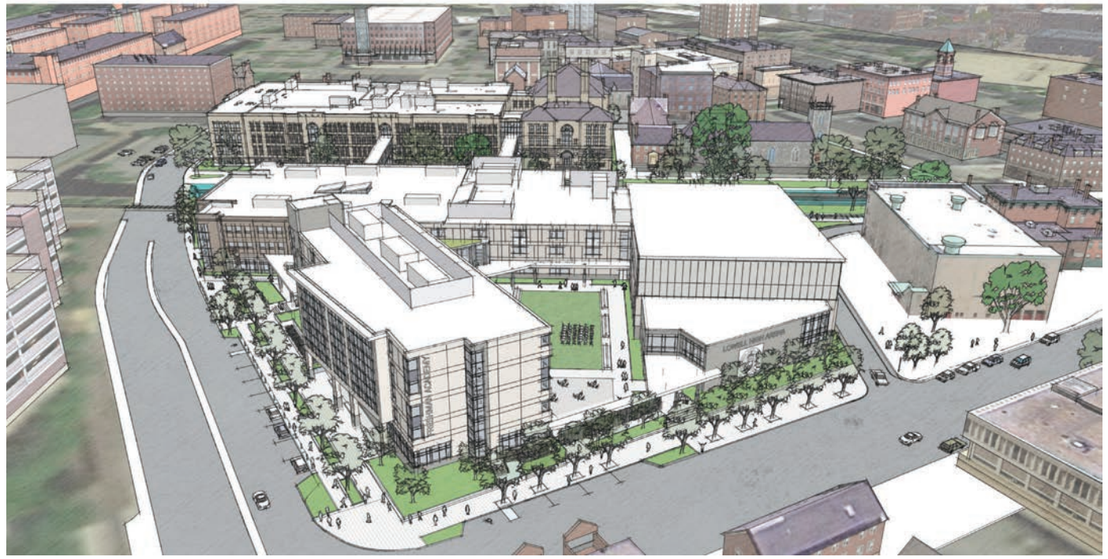
PASSIVE HOUSE DETAILS

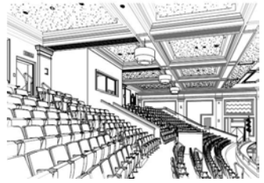


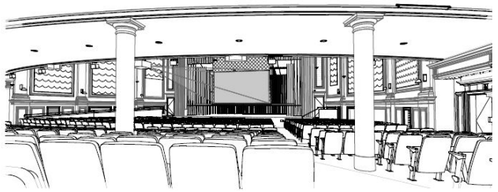
Vertical Mate

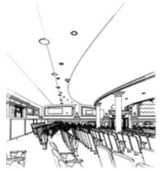


Horizontal Mate



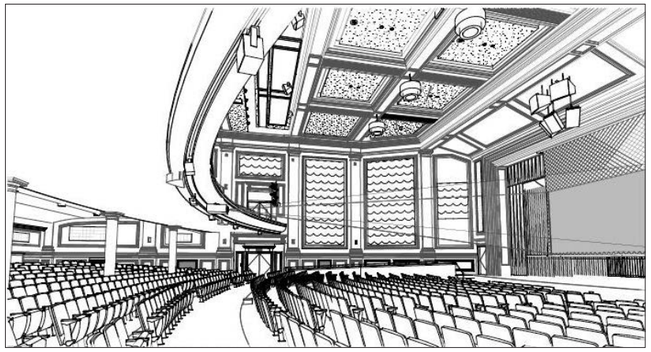


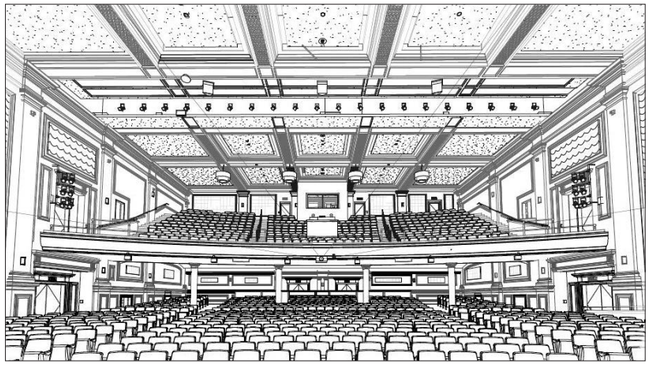


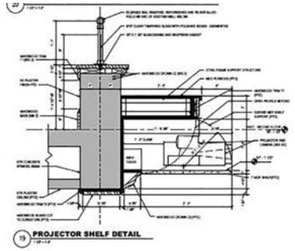


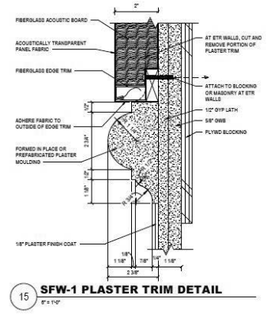
Lowell High School Lowell, MA
Auditorium and Media Center











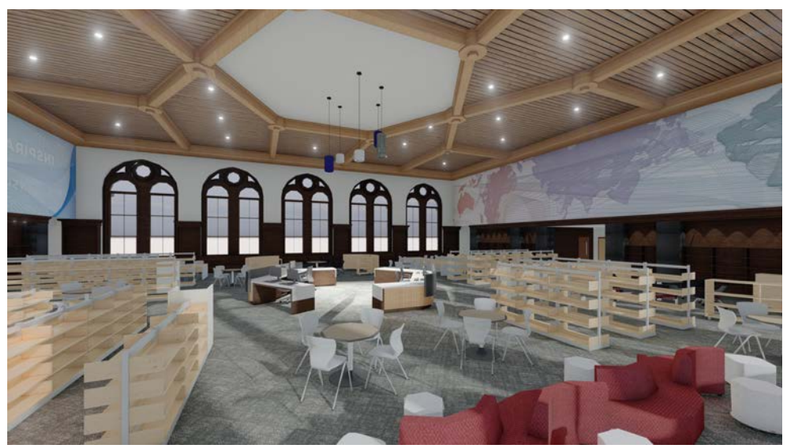
AUDITORIUM

- Recreating historic plaster details
- Modernize seating, AV and theatrical lighting
- Renovate entrance for community use

Lowell High School Lowell, MA
Auditorium and Media Center

MEDIA CENTER

- Remove office mezzanine to create double high space
- Create wood ceiling with beams to tie into historical fabric







OUTDOOR COMMONS AREA

Road between gym and dining hall was relocated to the rear of the athletic complex creating an attractive outdoor activity courtyard with learning opportunities on this new, centralized green space.



ATHLETIC COMPLEX

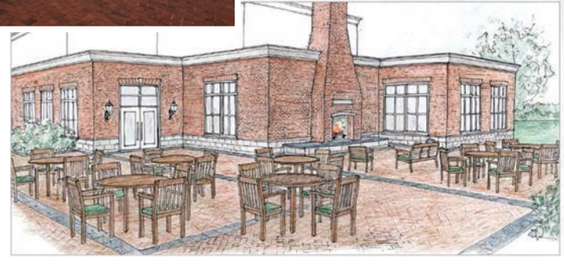
- Gymnasium for basketball and volleyball with adaptation for all-school liturgies
- 6 squash courts
- Dance studio
- Fitness center
- Individual rooms and class space for gym, physical education, trainer

Sacred Heart Greenwich Greenwich, CT
Athletic Facility and Dining Expansion





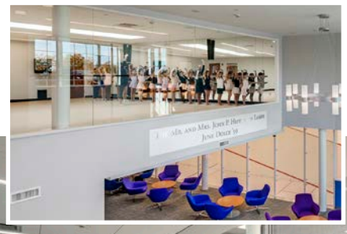




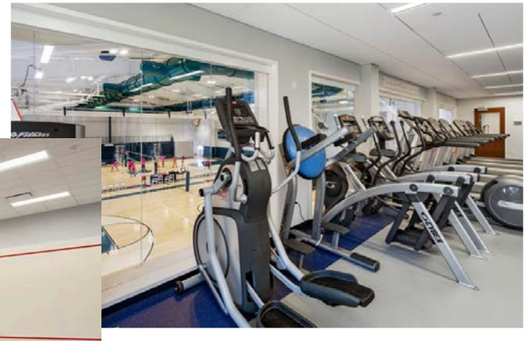
DINING ROOM

- Expanded dining/gathering space for students and faculty
- Indoor/outdoor fireplaces
- Outdoor dining terrace

Sacred Heart Greenwich Greenwich, CT
Athletic Facility and Dining Expansion









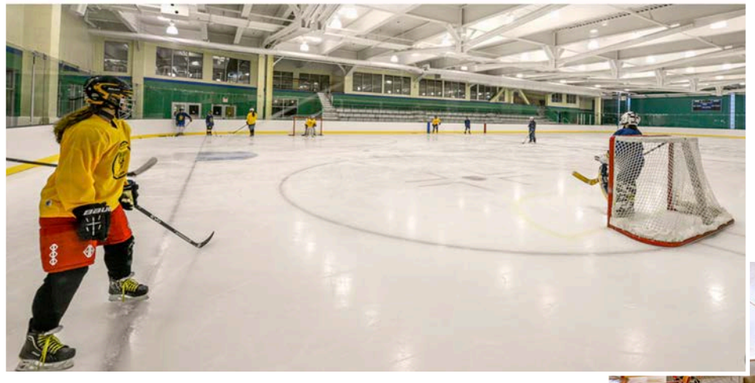




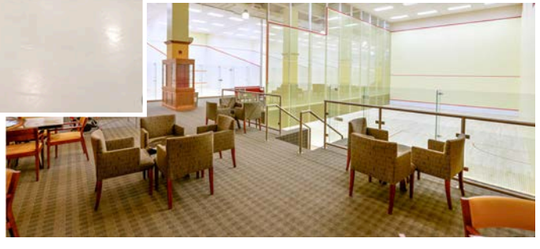
PROGRAM

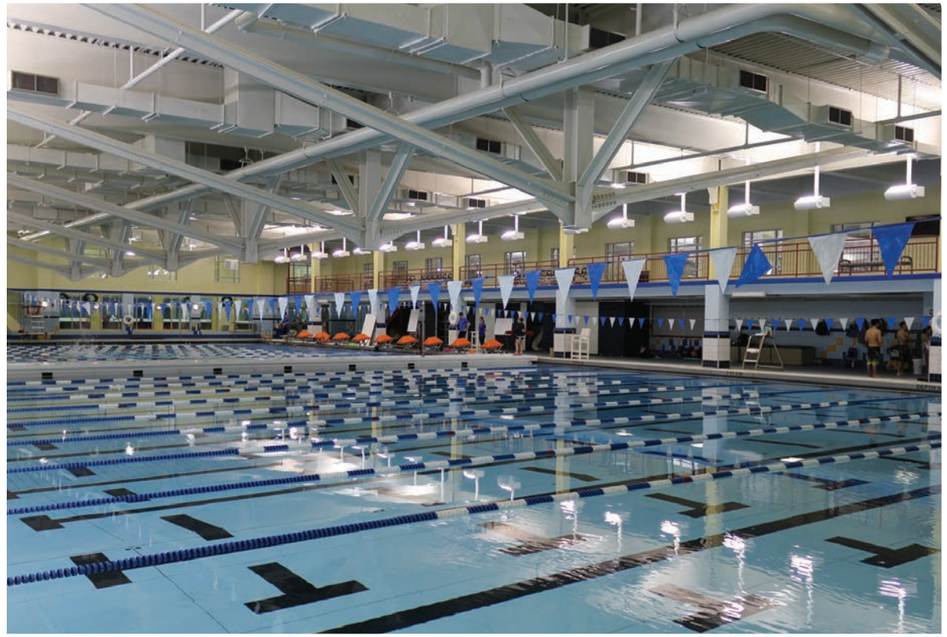
- 400,000-sq-ft adaptive reuse sports complex
- two NHL regulation ice rinks
- turf fields
- 20,000-sf gymnastics center
- Aquatics center/Olympic-size pool
- tennis courts,squash courts
- baseball/softball training area

Chelsea Piers Connecticut Stamford, CT
Sports and Recreation complex









STRUCTURE

- Adaptive reuse of 45-year-old manufacturing plant
- Removed the existing columns while leaving the entire roof structure in place
- Reuse of the existing roof structure, limited demolition, and limited use of new materials

Chelsea Piers Connecticut Stamford, CT
Sports and Recreation complex

