

SOLAIRE WHEATON

BUILDING FACTS

Location: Wheaton, MD
Function/Type: Multi-family residential
Size: 361,000 SF
Stories: 6 above & 2 semi-below grade
Delivery Method: CM @ Risk
Construction Dates: 6/25/12 - 3/21/14

PROJECT TEAM

Owner: Washington Property Company
Architect: The Preston Partnership
Interior Design Architect: SR/A
CM: Clark Builders Group
Civil Engineer: MHG
Structural Engineer: Cates Structural Engineers, Ltd.
MEP Engineer: Summit Engineers Inc.

STRUCTURE

- Cast-in-place concrete (3 Floors)
- Post tensioned concrete deck (3rd Floor)
- Wood framing & pre-engineered floor trusses (5 Floors)
- Tongue and groove OSB sub-floor sheathing & gypcrete

ELECTRICAL

- 208/120V electrical distribution
- 250 KW emergency generator
- (2) 4000A Switchboards

MECHANICAL

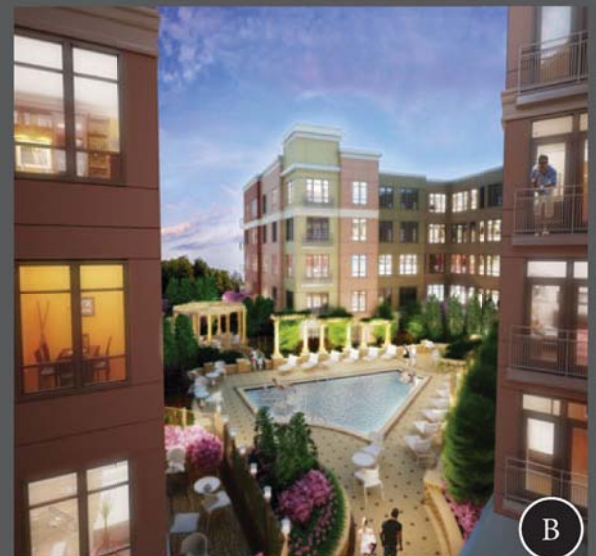
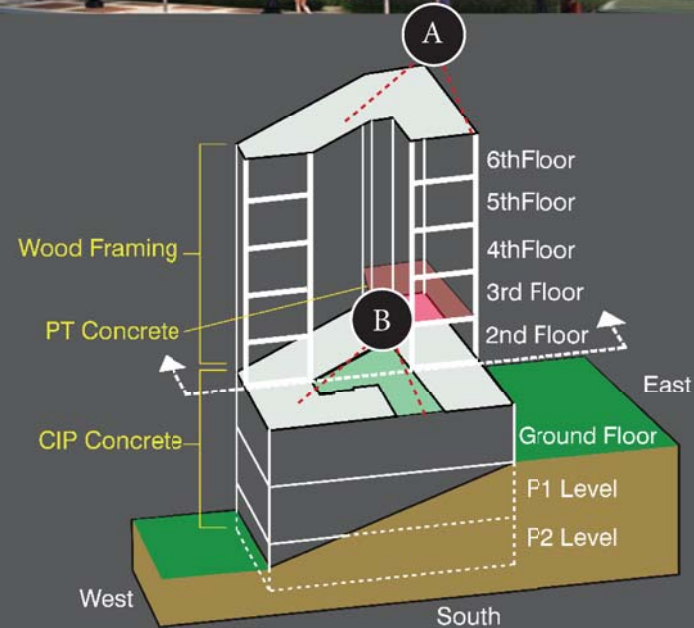
- (2) Packaged roof top central station AHU's: service corridors & common areas
- Heat pump split systems: service units & amenity areas
- Ductless split system units & circulation fans: service garage

ARCHITECTURE

- Landscaped courtyard
- Swimming pool
- Fitness center
- Motor court entrance

BUILDING ENCLOSURE

- East & partial north elevations: Stone & brick
- Remaining elevations & courtyard: Fiber cement siding
- Roofing: White TPO membrane



KEVIN MARTYN [CONSTRUCTION OPTION]

<http://www.engr.psu.edu/ae/thesis/portfolios/2014/kam5775/index.html>

