



## Philadelphia, PA

**OWNER** | West Philadelphia Real Estate (WPRE)

**ARCHITECT** | The Sheward Partnership

**CONTRACTOR** | WP Construction, LLC

**LEAD CPHC** | Jonathan Chizacky

**QA/QC RATER** | Rich Martin

## Passive House in West Philadelphia

The Sheward Partnership is excited to get their very first Passive House development in West Philadelphia going. To ensure they're meeting their airtightness and insulation targets, they've enlisted the help of Build SMART and our E-Wall envelope system. Future residents will enjoy reduced energy bills, continuous 100% filtered fresh and healthy air, and a quiet, draft-free interior.



# BUILD BETTER. BUILD FASTER. BUILD SMART.

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**PERFORMANCE TARGET** | PHIUS+Core

**SIZE** | 95,000 sf, 5-units

**AIR TIGHTNESS** | 0.05 cfm/sf

**EXTERIOR WALLS** | E-Wall: Sealed 7/16" zip sheathing adhered to 4.5" EPS insulation on 7/16" sealed OSB as air barrier. All on 2x4 framing and 3.5" of fiberglass batt cavity insulation. 5/8" GWB interior finish

**WINDOW** | Triple-glazed Alpen Tyrol TR-9 PH+ Fixed and Tilt-Turn operation: Insulated PVC frames Balanced-9 PH+ on northern windows; triple-glazed Alpen HighGain PH+ on southern windows

**HEATING/COOLING** | Mitsubishi split system heat pump

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# MELON NORTH