



Ellis Passivhaus | 5485 South Ellis Ave, Chicago, IL 60615 |

312-399-5155 | www.kenwoodpassivhaus.com

Description

- 3723 square feet, 25,000 cubic feet volume | 4 bedrooms with walk-in closets, 3 bathrooms, optional powder room
- Open plan living room, gallery, eat-in kitchen, dining room, family room, play room, roof decks
- Two car garage with EV charger and 1200 cubic foot storage loft
- Net Zero design, solar ready, 10 kW solar array (14,000 kWh) subject to permit
- Low maintenance garden with abundant perennials and large patio
- **Miele, Bosch** Energy Star rated appliances
- **Kohler** fixtures
- Perfect campus location
- **Passivhaus Institut Certified**

Health and Wellness Features

- No VOC paints, finishes + **Pro-Clima** tapes and caulks.
- CARB compliant cabinets
- **AirRenew** Drywall
- Denspack cellulose and **Roxul** insulation
- **Hydrotech** porcelain tile
- Radiant floors and towel bars
- Continuous fresh filtered air (MERV 13)
- **Aquasana** whole house water filtration

Energy Efficiency Features

- Continuous insulation
- Continuous air barrier
- Triple pane tilt & turn windows
 - R – 7.4
 - .6 SHGC
 - **Passivhaus Institut Certified**
- Airtight Construction
 - .6 ACH at 50 Pascal's
- Thermalbridge free design

Energy Efficient Mechanical Systems

- **Mitsubishi** Air to Air Heat Pump Heating and Cooling System
 - COP: 3 – 4.5
 - Seer: 33
 - Eight comfort control zones
- **Rheem**: Air to Air Heat Pump Hot Water
 - COP: 3.5
 - Energy Star rated
- **Zehnder** Whole House ERV (Energy Recovery Ventilator)
 - **Passivhaus Institut Certified**
- **Santa Fe** Whole House Dehumidifier
 - Energy Star rated

Energy Demand and Load (Annual)

- 6000 kWh space heating
- 3000 kWh space cooling
- 5000 W max load (17,000 BTU, 1.4 tons)
- 11,500 kWh PER (Primary Energy Renewable)
- 10,350 pounds CO2 emissions

Comfort Standard

- 68 – 77 F for 90% of the hours in one continuous year.