

ENERGY STAR Multifamily High Rise Building Profile

Linc32 at Orange Station

Building Developer:

RPM Contracting LLC

Licensed Professional:

Douglas McCleery, MaGrann Associates

Year Certified:

2016

Construction Type:

New Construction

Sector:

Mixed Income

Building Description:

Lin32 at Orange Station consists of 1 building; a 5 story, 113 unit building. Located in Orange, Essex County, New Jersey, this project provides 113 ENERGY STAR Certified units, comprising of one, two and three bedroom apartments.

High-performance low-E double-pane windows with a U-value of 0.26 and SHGC of 0.23 provide increased thermal performance of the envelope, which consists of wood-framed walls with R-19 insulation and an R-38 insulated roof.

The apartments have 95% efficient gas furnace heating split-system cooling units with 14.50 SEER efficiency. Domestic hot water is provided by a 97% AFUE gas-fired water heater, and consumed energy is reduced through the use of low-flow showerheads, faucets, and ENERGY STAR certified dishwashers. ENERGY STAR certified refrigerators and exhaust fans are installed to further reduce the electricity consumption in the apartments of the building. The units were tested at airtightness levels of an average 0.24 CFM50 per square foot of enclosure, surpassing program requirements by 20%. The level of compartmentalization will reduce resident energy costs, and improve comfort and indoor air quality.

Together, the project is modeled with projected cost savings of an average 20.6% over a building that meets ASHRAE Standard 90.1-2007.

32 Lincoln Avenue
Orange, New Jersey 07050

