

ENERGY STAR Multifamily High Rise Building Profile

Gloria Robinson Court Homes

Building Developer:

Pennrose Properties

Licensed Professional:

Doug McCleery, MaGrann Associates

Year Certified:

2016

Construction Type:

New Construction

Sector:

Affordable Housing

Building Description:

Gloria Robinson Court Homes consists of two buildings; a 4 story, 20 unit building and a 4 story 22 unit building. Located in Jersey City, New Jersey, this project provides 42 ENERGY STAR Certified units, comprising of one and two bedroom apartments.

High-performance low-E double-pane windows with a U-value of 0.27 and SHGC of 0.27 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 96% efficient gas furnace heating split-system cooling units with 16.9 SEER efficiency. Domestic hot water is provided by a 0.67 EF 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 16.5% over a building that meets ASHRAE Standard 90.1-2007

322 Duncan Ave
Jersey City, New Jersey 07306

PENNRose
Bricks & Mortar | Heart & Soul

