

Harrison Green 208-216 Harrison Street Paterson NJ 07501



Harrison Green is an approved subdivision for new construction of 5 Single Family attached energy efficient, healthy affordable units at 208-216 Harrison Street Paterson NJ 07501 that will be sold to qualified first time Paterson Habitat homebuyers.

Located in the 4th Ward Redevelopment zone, single and two family medium density residential district in-between Rosa Parks and Carroll these 5- 3 story townhomes with garage on the first floor are designed to meet Climate Choice and LEED Platinum green building standards. This project is being built in partnership with and has received funding from the Department of Community Affairs (DCA) through the Neighborhood Stabilization Program. Paterson Habitat is focusing their NSP funds on targeted areas on the 4th Ward in a focused effort to eliminate blight, abandonment and foreclosure. Paterson Habitat has families already living in the 4th Ward and is building adjacent to several Paterson Housing Authority initiatives.

Harrison Green is designed to meet the highest green building standards, that is Energy Star Level Climate Choice and LEED Platinum green building standards. Paterson Habitat is an Energy Star certified builder and has successfully completed over 2 dozen new homes that meet Energy Star requirements and has advanced its green building process and field expertise to reach Energy Star Version 3 green building requirements; our first Energy Star home targeted toward Energy Star version 3 achieved a HERS index of 62. Paterson Habitat has also just completed certification on one single family Climate Choice home. These building performance ratings are measured and assigned by state approved 3rd party entities through on-site progress and final inspections.

Energy efficiency features at Harrison Green will be achieved through a tight building envelope leveraging precast concrete, Superior Walls insulated foundations on an insulated slab at the first floor garage level. To achieve higher insulation values with the 2nd and 3rd floor living spaces, Harrison Green will be built with a double studded wall; these double walls will hold extra insulation to meet higher R values and eliminate thermal bridging and all openings will be air sealed. The most energy efficient windows available will be implemented, glazed to consider North and South facing orientations

and flashed to manage moisture; along with insulated doors these complete a tight building envelope that's expected to contribute to a HERS index of 50.

The efficiency of operating these homes will be further assured with high efficiency heating and a solar renewable energy array providing at least 50% of each home's electricity needs, including solar thermal water heating. Reduced heating loads and renewable solar energy will facilitate a net zero home such that our low income homeowners are expected to have minimal if any utility bills for most of the year. Additionally the Climate Choice program offers monitoring equipment that will be in place for at least 2 years providing live building performance data and can be further leveraged to assess occupancy impact on building performance.

This project is also designed with Energy Star lighting and appliances and low flow fixtures to achieve additional savings. Indoor air quality will be attended through the use of a number of measures including materials management such as assuring that only low VOC paint and sealants are applied and through the use of direct venting and fresh air ducting including energy recovery ventilation.