Avalon Willoughby Square, standing at over 57 stories tall (596 feet) is the tallest residential building in Brooklyn. The building includes 823 luxury residential rental apartments with layouts ranging from studios to three-bedrooms. The housing is spread over 732,000sf of space, for an average unit size a bit below 900sf.

At over 850,000sf, the building also contains 15,000sf of ground-floor retail space, parking (330 below grade parking spaces) and a mix of amenities including a gym, lounges, club floor, and a children’s playroom. There is also a direct entrance down to the Jay Street-MetroTech subway entrance, via the R train platform.

**UNIQUE STRUCTURAL AND/OR ARCHITECTURAL DESIGN CHALLENGES**
- Construction of a very tall structure on soil.
- Maximize rentable floor space by minimizing columns and shear walls.

**REASONS FOR CHOOSING REINFORCED CONCRETE**
- Provided high strength concrete to increase building stiffness.
- Coupled shear wall, full height link walls at mid-height and roof.