



Carroll Gardens – New York

Architect: Goldstein, Hill & West Architects, LLP

Client: Lightstone Group

Completion: 2016

Carroll Gardens is a 700-unit residential development project at 365 Bond Street, Brooklyn. The project has a canal side promenade and retail space in addition to amenities including a basketball court, underground parking spaces, gym, lounge, children's play area, and pool.

We recommended treatments for horizontal adjacency issues such as demising and interior partitions, maintaining privacy between and within residences. We evaluated vertical adjacencies, specifically stacking, to identify floor and ceiling assemblies, mitigating footfall and impact sound transmission. We also detailed acoustically absorptive finishes for interior acoustics at the building lobby as well as amenity spaces and lounges. Additionally, we conducted noise and vibration review for residential unit equipment including ordinary appliances such as washers and dryers, residential mechanical units, and base building equipment such as an emergency generator. Our office was also responsible for the design of barriers to mitigate sound transmission between exhaust fans and nearby buildings.