



## Moise Safra Community Center – New York

**Architect:** PBDW Architects

**Client:** Moise Safra Community Center

**Completion:** 2017

The Moise Safra Community Center at 130-134 East 82<sup>nd</sup> Street will be a 12-story hub serving as a social, recreational, cultural and educational center. The 65,000 SF glass building will feature a Synagogue, café, swimming pool, fitness and recreation rooms, kitchen for cooking classes, and two-level banquet hall with outdoor terrace.

Working with the design team, we are reviewing issues such as sound separation and impact isolation at the fitness center and interior room acoustics based on surface finish treatments. To closely study the interior acoustical environment in the synagogue, we created a 3-D acoustic model, where we assigned proposed surface finish treatments and evaluated the resulting reverberation time, paths of sound reflections, etc. This tool helps us optimize the acoustical environment to achieve the desired balance for both speech and music.

We are also providing review of mechanical systems and equipment, both to the environment as required by NYC Noise Code and to provide suitably quiet interior noise levels.