



EDWARD DUGGER + ASSOCIATES, P.A.
Consultants in Architectural Acoustics

Date: 8 January 2018

To: Thomas R. Mooney, Director
City of Miami Beach Planning Department
1700 Convention Center Drive, 2nd Floor
Miami Beach, Florida 33139

From: Sam Shroyer, ASA
Edward Dugger, FAIA ASA NCAC INCE

Re: **Acoustic Study – City of Miami Beach Peer Review**
ILOV305
1060 Ocean Drive
Miami Beach, Florida 33139
ED+A 17941

Edward Dugger + Associates, P.A. (ED+A) submitted an Acoustic Study to the City of Miami Beach Planning Department on November 10, 2017 in conjunction with ILOV 305 I LLC's request for a Conditional Use Permit for a Neighborhood Impact Establishment at 1060 Ocean Drive. This Study was reviewed by the Planning Department's acoustical consultant, Arpeggio, LLC, who subsequently provided comments in the *Sound Study Peer Review for the Proposed iLov305* document dated December 12, 2017.

ED+A have prepared this document to address the comments and concerns included in the Peer Review for presentation to the Miami Beach Planning Board.

Please feel free to contact ED+A with any questions, comments, or concerns.

Regards,

A handwritten signature in black ink that reads 'Edward Dugger'.

Edward Dugger, FAIA ASA NCAC INCE
Principal

A handwritten signature in black ink that reads 'Sam Shroyer'.

Sam Shroyer, ASA
Consultant



Doorway to Lobby Area

Arpeggio, LLC are correct in their conclusion that “there will be a direct path of sound from the inside to the outside” when this door is open, while also stating that the seals recommended by ED+A “would be beneficial when the door is closed,” ultimately suggesting the installation of a vestibule. While ED+A agree that this would minimize the restaurant’s impact, the Applicant has maintained that an interior vestibule would not be a practical solution at this point of the application process it would require an extensive reconfiguration of the floor plan. Though an exterior vestibule would not affect the layout of the restaurant, it would be aesthetically detrimental to the historic qualities of the building’s front façade.

Therefore, the design of the audio system is crucial to preventing acoustical impacts near the venue. Further investigation of the audio system and its characteristics by ED+A support the conclusion that the entertainment within the restaurant will have a negligible impact on the surrounding area.

Audio System

Sound Investment Audio, Ltd – the designer of the Applicant’s audio system – has provided the following information to ED+A:

1. The system was designed to create sound pressure throughout the venue without being perceived as “too loud” for patrons.
2. Twenty (20) speakers were included in the system to minimize excessive sound levels throughout the restaurant.
3. These speakers are distributed to spread sound and maintain consistent levels throughout.
4. All speakers are directional and have been aimed to cover specific areas.
5. All speakers have been positioned to direct sound inward, away from the entrance.

Expected Sound Pressure Levels

Sound Investment Audio, Ltd have stated that maximum sound pressure levels in the venue at full capacity – away from the immediate proximity of the entrance – would be between 90 and 95 dBA. Sound pressure levels between 75 and 80 dBA would be expected at the entrance to the Lobby Area. While this door is closed, there would be no notable increase in sound pressure level along Ocean Drive. However, sound would likely be audible on Ocean Drive whenever the door is open for short and intermittent periods of time.



The entrance to the Lobby Area is approximately 5-ft. from the nearest loudspeaker. If 80 dBA were measured at this location, 71 dBA would be expected at the main entry which leads to the Covered Porch another 10.6-ft. away. This would result in 68 dBA at the property line, another 5.5-ft. beyond the Covered Porch; this level is consistent with the existing ambient sound pressure levels measured along Ocean Drive. 55 dBA would be measured 100-ft. from the entrance to the Lobby Area, which is well below the typical ambient sound pressure levels on Ocean Drive and would be mostly inaudible. Therefore, it can be stated that the entertainment within the restaurant would comply with the requirements of the Code of the City of Miami Beach Article IV – Noise.

It is important to note again that the aforementioned sound pressure levels would only be observed for the short periods of time during which an open doorway is allowing the sound out of the restaurant. As no loudspeakers are directing sound toward the entrance to the Lobby Area and out of the restaurant, even these stated sound pressure levels are likely to be less than what would actually be observed.