

# THE AUDIO BUG, INC.

3800 HILLCREST DRIVE, # 102 • HOLLYWOOD, FL 33021 • PHONE: 954-983-2788 • FAX: 954-983-2789 • [audiobug1@aol.com](mailto:audiobug1@aol.com)

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March 6, 2012

Richard G. Lorber, Director  
City of Miami Beach Planning Department  
1700 Convention Center Drive, 2nd Floor  
Miami Beach, FL 33139  
Phone: (305) 673-7550, Fax: (786) 394-4799

Reference: Foxhole Bar Noise Study  
1426A Alton Road (a/k/a 1426A 14th Court)  
Miami Beach, Florida 33139

Dear Mr. Lorber,

This report will provide details on a Noise Study conducted on behalf of the City of Miami Beach at the above referenced property. In particular, the study covers an analysis of any potential impact the establishment's operation might have on neighboring properties should their request to include an "entertainment" component be approved.

The definition of "entertainment" under the City Code includes music played above a volume that would interfere with conversation, i.e. any music above a background ambient level. The Applicant requires conditional use approval in order to operate this Bar venue as intended.

In the course of preparing this report, two site surveys were conducted, the first on Friday, February 14 and a second on Monday, March 5, 2012. During the first site visit, I walked the neighborhood, taking photographs and noting the types of property usages around the subject property. All properties (confirmed by a search on the Miami-Dade Property Appraiser's web site) within a 100 foot radius of the entrance to the Foxhole Bar are commercial in nature. A distance of 100 feet represents a sound attenuation factor of 30 decibels. Any sound emanating into the area outside the Bar would be attenuated by this factor at a distance of 100 feet, becoming inaudible due to the masking effects of ambient noise typical of the neighborhood during nighttime hours. The closest residential property, an apartment building northwest of the Foxhole Bar on the north side of 14<sup>th</sup> Street, falls outside this radius and therefore would be completely unaffected. Several photographs of the area are included below to provide perspective.

During my second site visit, I was met by the Applicant and given access to the interior of the bar. As part of our analysis, I had the owner operate the sound system as anticipated under the definition of "entertainment" levels. Figure 1 below represents a 4-minute sampling of sound levels measured around the interior of the bar. Time-averaged sound levels registered 94 dBC and 85 dBA, consistent with "entertainment" levels.



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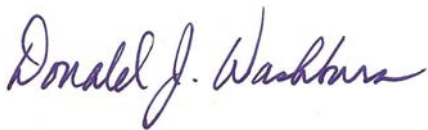
The bar entrance consists of an exterior door on 14<sup>th</sup> Court which opens into a vestibule with a second door at the opposite end of the vestibule. The vestibule is illustrated in Figure 2 below on the First Floor Plan of the Bar. This chamber acts as a sound lock, effectively mitigating sound within the bar from reaching the Court outside. Indeed, while checking music levels inside the bar, we stepped outside into the Court and listened for a minute or so. No music could be heard when both doors were closed. When either of the doors were opened, music could be heard at very low level. However, once we stepped away from the entrance towards 14<sup>th</sup> Street, the music became inaudible.

In an abundance of caution, it would be advisable to install sound panels inside the vestibule to help deaden this area and further attenuate sound passing through this space. I mentioned this to the owner at the time of my visit and told him I would be making this recommendation. He was very agreeable and asked that I provide information on where to purchase these materials. AVL Systems, Inc., based in Ocala, Florida, ([www.avlonline.com](http://www.avlonline.com)) is an excellent source for acoustical panels suitable for this use. I've attached product information that will help guide the owner in acquiring the necessary materials. Aside from this precaution, I can find no reason to expect that music from within the Foxhole Bar will have any impact on surrounding properties.

Based on my analysis of acoustical conditions observed within and around the Foxhole Bar, I can confirm that the establishment will represent no adverse impact on the surrounding properties. I fully expect it to conform to the City of Miami Beach's Noise Ordinance.

I welcome any comments or questions you or your staff may have concerning this report and look forward to working with Planning Department Staff to assist in any way possible.

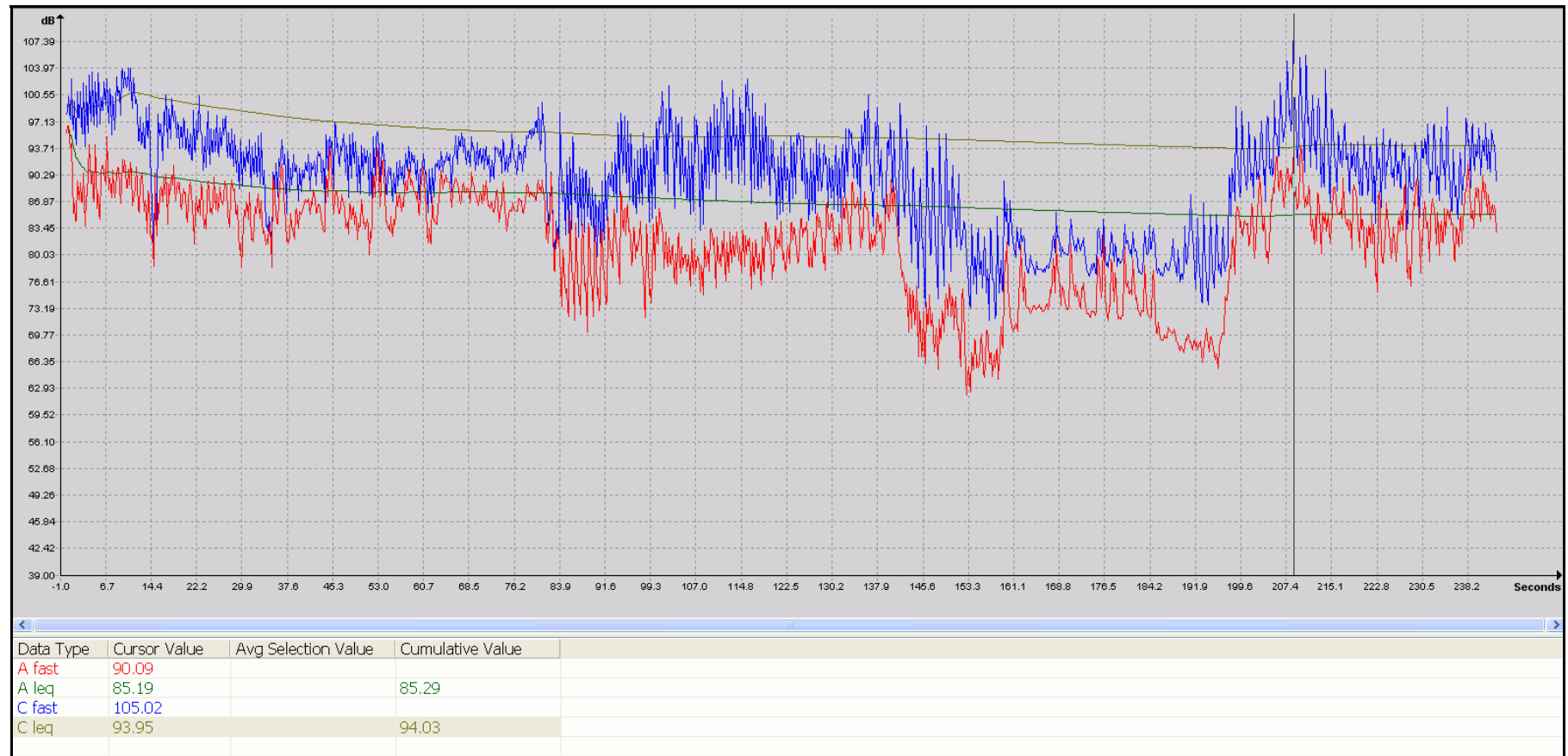
Respectfully submitted,



Donald J. Washburn  
President



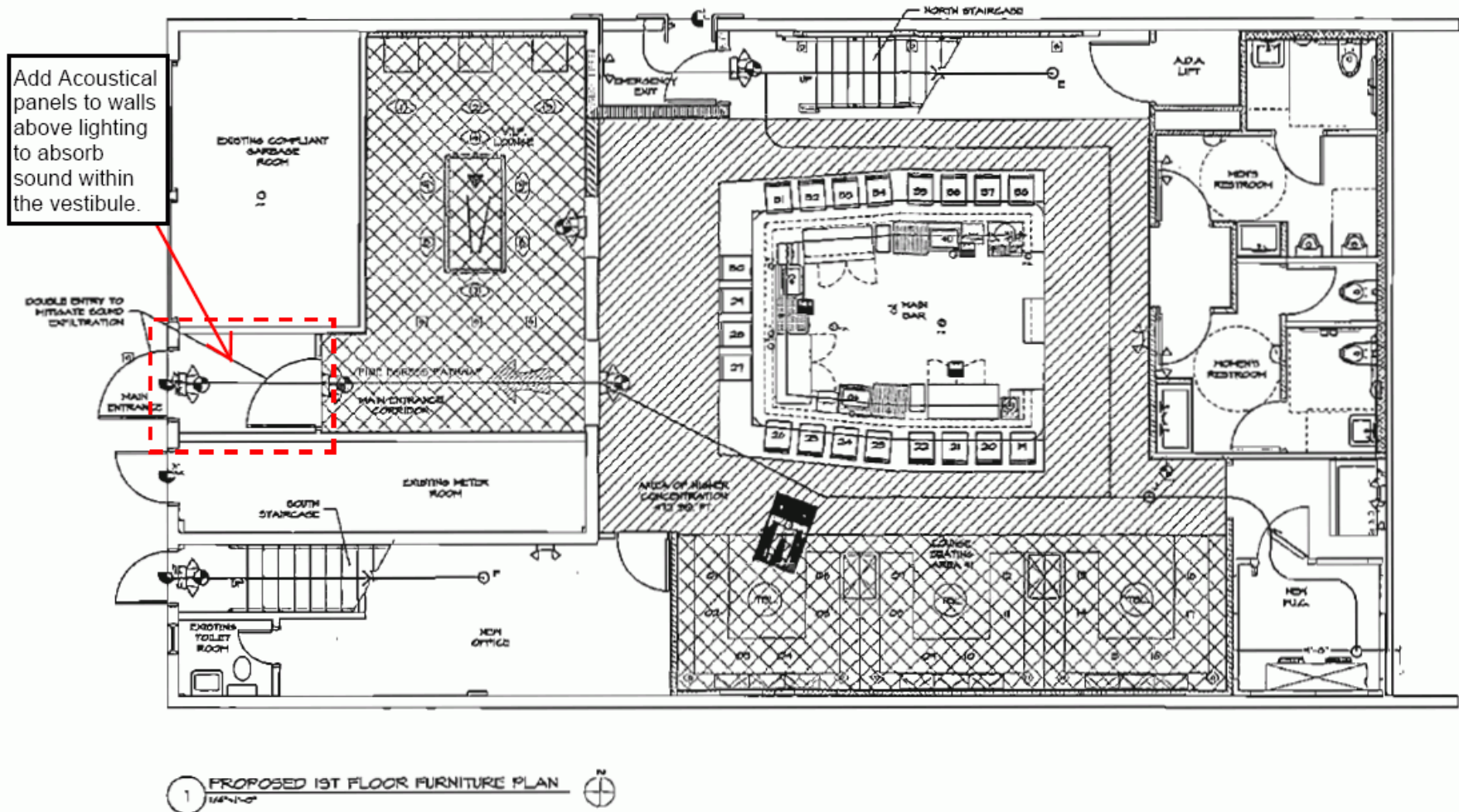
## Foxhole Bar - 4-minute $L_{eq}$ of music system inside bar



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## Foxhole Bar First Floor Plan





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## Foxhole Bar Viewed from the West





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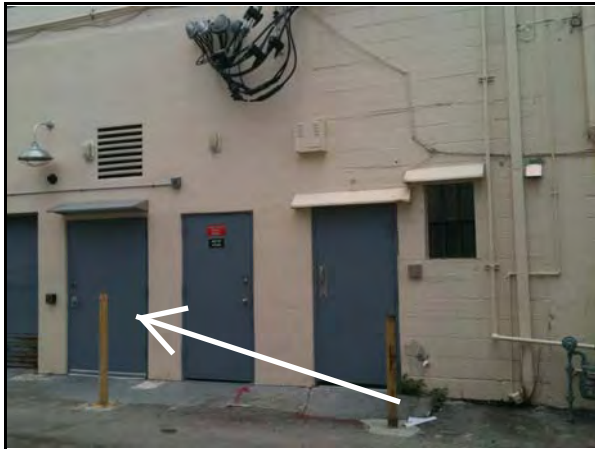
Foxhole Bar viewed from overhead with 100 ft. radius imposed on image



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## Foxhole Bar Site Photographs



Entrance on 14<sup>th</sup> Court



Entrance viewed from north side of 14<sup>th</sup> Court



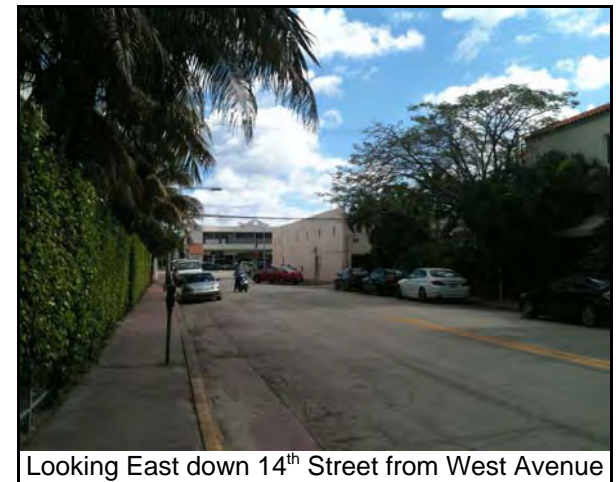
Property immediately West on 14<sup>th</sup> Court



Apartments on North side of 14<sup>th</sup> Street



Apartments on North side of 14<sup>th</sup> Street



Looking East down 14<sup>th</sup> Street from West Avenue



# AcousTech™

## Low Frequency Absorption Acoustical Wall and Ceiling Panels

### Acoustical Performance (Absorption Coefficients)

Frequency (Hz)	125	250	500	1K	2K	4K	NRC
ATP2.0L - 2" Panel	.61	.49	.44	.27	.18	.17	.40

### AcousTech™ Low Frequency Wall and Ceiling Panels

Lightweight for Ceiling and Wall Installations

Decorative standard fabric facings or Designer's Selections / C.O.M.

Thickness: 2", 3", 4"

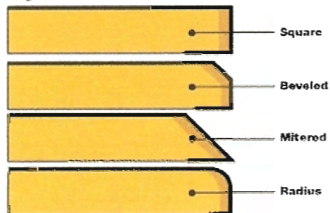
Sizes (Nominal): Any size up to 48"x 120"

Special Sizes: Available upon request

Fire Performance Rating: Class A

Installation Fastener: Mechanical, Impaling, Velcro, Magnetic

#### Edge Detail



#### Corner Detail



### Description

The AVL Systems AcousTech™ Low Frequency Absorption Acoustical Panel is a light-weight, general purpose, decorative, acoustical product. The core is one-piece, inert, non-combustible, dimensionally stable and will not warp or separate. Edges are chemically hardened to further resist damage. Panels may be installed individually as an accent in color or shape, or continuous for a featured area. Standard or customer specified finishes are factory applied to the face of the panel and returned around sides and back to provide a finished product with edges and corners which are fully tailored. AcousTech™ Panels are supplied to finished sizes as specified with totally concealed, factory installed mounting hardware. When necessary, field cuts or modifications can easily be accomplished by the installer.

### Applications

AcousTech™ ATP Low Frequency Absorption Acoustical Panels are the ideal decorative wall and ceiling treatment for areas where sound and noise control for the absorption of low frequency sound is necessary without a substantial change of existing high frequency energy. They are suitable for new construction and renovation such as auditoriums, conference areas, libraries, schools, offices, public buildings, or any area where acoustics, aesthetics, and value are a consideration.

### Interactive System Performance

The AcousTech™ family of interactive performance products is designed to provide the acoustical engineer and specifier with a complete "toolbox" of technically compatible products for any application. These engineered products can be used individually or, as an interactive system, working together to optimally enhance the interior design, functionality, and acoustics of the architectural space. AVL Systems, Inc. is pleased to offer a full range of standard and custom architectural acoustic products for virtually every application and technical requirement.

### Finishes

Choose from a wide selection of AVL Systems' standard fabrics and vinyls or, Designers selection and C.O.M.. See Section 7.0.

### Warranty

AVL Systems *Limited Warranty* extends for ONE FULL YEAR from the original date of shipment. AVL Systems literature, presentations and published data are correct to the best of our knowledge at time of publication. AVL Systems, Inc. reserves the right to change or amend any of the products or the information presented or published without liability or notice.



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