



FLAGSHIP RESTAURANT

WALKER HOTEL TRIBECA

Conversion and retrofit of an existing 10-story building at the southeast corner of Broadway and Walker Street will serve as a new 100+ room hotel. AD provided design input to insure appropriate provision for sound isolation for guest rooms and minimizing intrusive noise from building's exterior. Design criteria was provided to minimize disruptive noise and support pleasant environments for the guest experience.

One of the acoustic design challenges involved developing appropriate sound barrier construction details that maximized the usable space within each room, including at conditions where recessed plumbing or electrical boxes represent potential sound leakage conditions between rooms. In this case, a solution was developed using internally-damped drywall to reduce partition thickness, careful routing of ductwork and piping, and sound-attenuating pads at recessed hardware to mitigate against sound leakage.

A second acoustic challenge with this project related to reduction of street noise through guest room acoustic windows. A site acoustic survey was conducted to determine the required OITC rating of guest room windows, and a specification developed that could be competitively bid by several window manufacturers. Review of submittal and shop drawings, and field observation to address construction conditions, resulted in achievement of the acoustic personnel requirements.

CLIENT

Bridgeton Holdings

LOCATION

New York, NY

PROJECT TYPE

New Construction

COMPLETE

2018

SQUARE FOOTAGE

26,000

ARCHITECT

Dxa Studio

CONTACT

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SCOPE

Acoustics