

# NEW WORLD CENTER CONCERT HALL

MIAMI BEACH, FL, U.S.A.  
2011

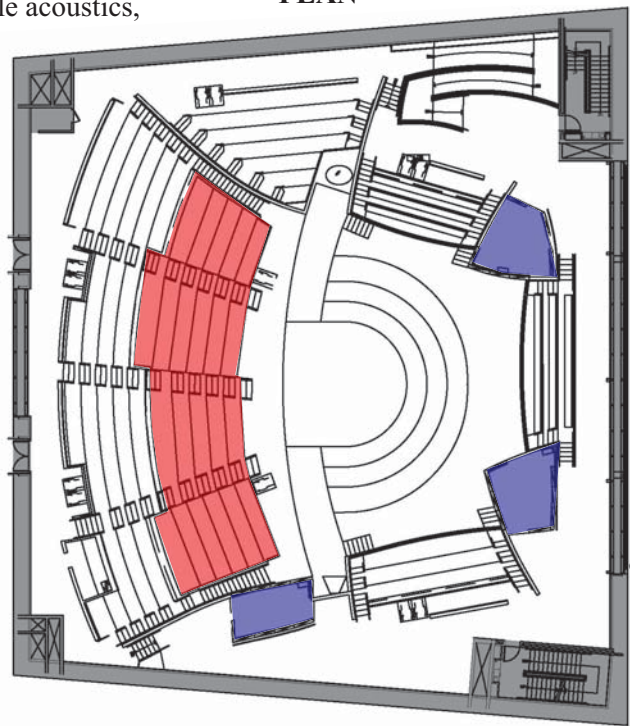
Acoustic Consultant:	Nagata Acoustics
	Robert F. Mahoney and Associates
Architect:	Frank O. Gehry (Gehry Partners, LLP)
Owner/User:	New World Symphony
Construction Cost:	\$ 160 Million (U.S.)

The Frank Gehry-designed facility for the New World Symphony, “America’s Orchestral Academy,” has at its heart the 748-seat auditorium, designed in the arena style. Also in the facility are one large orchestral rehearsal room, seven medium-sized Chamber/Ensemble rehearsal rooms and twenty-four individual coaching/practice rooms. The acoustical design of the 756-seat auditorium was performed in close collaboration with Gehry and the founder of the New World Symphony, conductor Michael Tilson Thomas. Flexibility in rehearsal and performance was one of the prime requirements for the space as the program includes much more than just orchestral performance, are met by a curtain system for variable acoustics, a highly flexible stage lift system, 196 retractable seats and four alternate “Performance Platforms.” Five large “sails” serve as screens for 14 projectors, greatly expanding the multimedia capabilities of the hall.

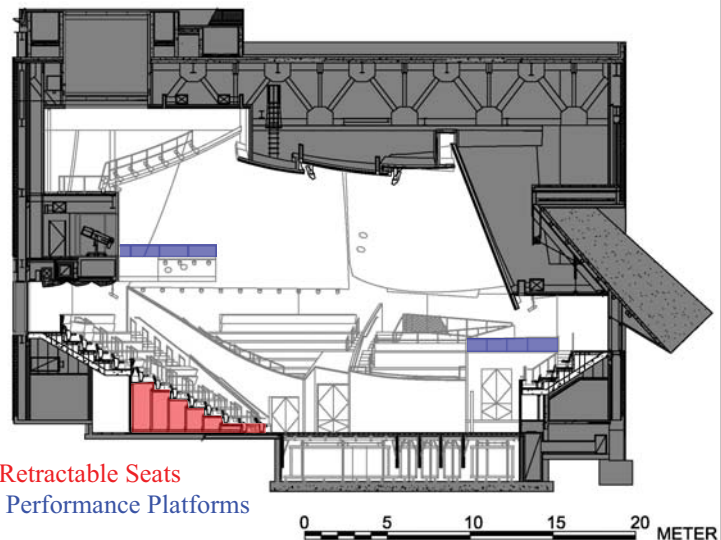
## BUILDING DETAILS AND ACOUSTIC DATA

Location	500 17th Street Miami Beach, FL
Building Size	9,350 m <sup>2</sup>
Auditorium:	
Seating Capacity	748
Room Volume	14,200 m <sup>3</sup>
Reverberation Time (Mid-Frequency)	
Unoccupied	2.4 sec
Occupied	2.1 sec
Finish Materials	
Ceiling	: Plaster with BASWaphon 407 Base
Walls	: Plaster with Wooden Battens
Aud. Floor	: Oak
Stage Floor	: Alaskan Yellow Cedar
Noise Level	: NC - 15

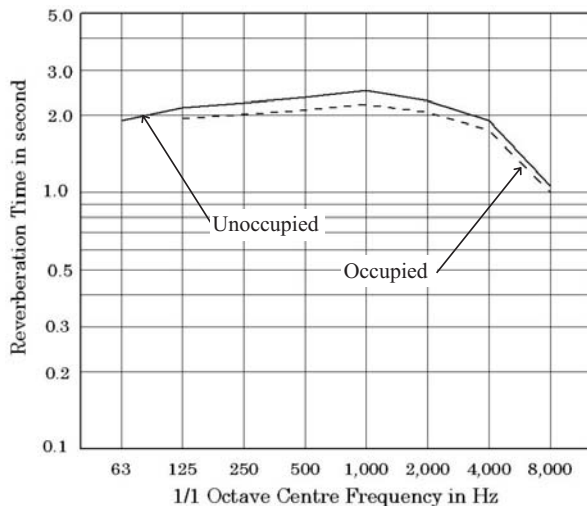
**PLAN**



**LONGITUDINAL SECTION**



## REVERBERATION TIME



In Red: Retractable Seats  
In Blue: Performance Platforms

0 5 10 15 20 METER

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NAGATA  
ACOUSTICS



Clockwise from top:

- Performance Hall with orchestra and window behind the stage
- Atrium with “Flower” rehearsal room
- Performance Hall “Sails” in use as projection screens
- Performance Hall with seats retracted and skylight above

