

# CALDERWOOD HALL

AT THE ISABELLA STEWART GARDNER MUSEUM, BOSTON, MA, USA  
2012

**NAGATA  
ACOUSTICS**

Acoustic Consultant:

Nagata Acoustics

Architect:

Robert F Mahoney and Associates

Owner:

Renzo Piano Building Workshop

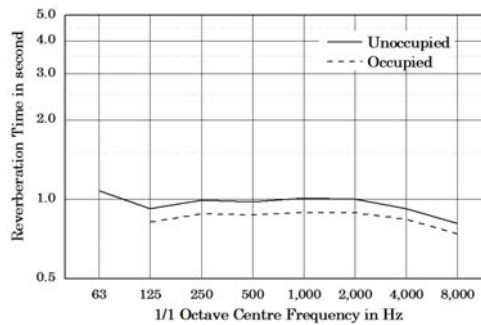
Construction Cost:

Isabella Stewart Gardner Museum

\$ 114 Million

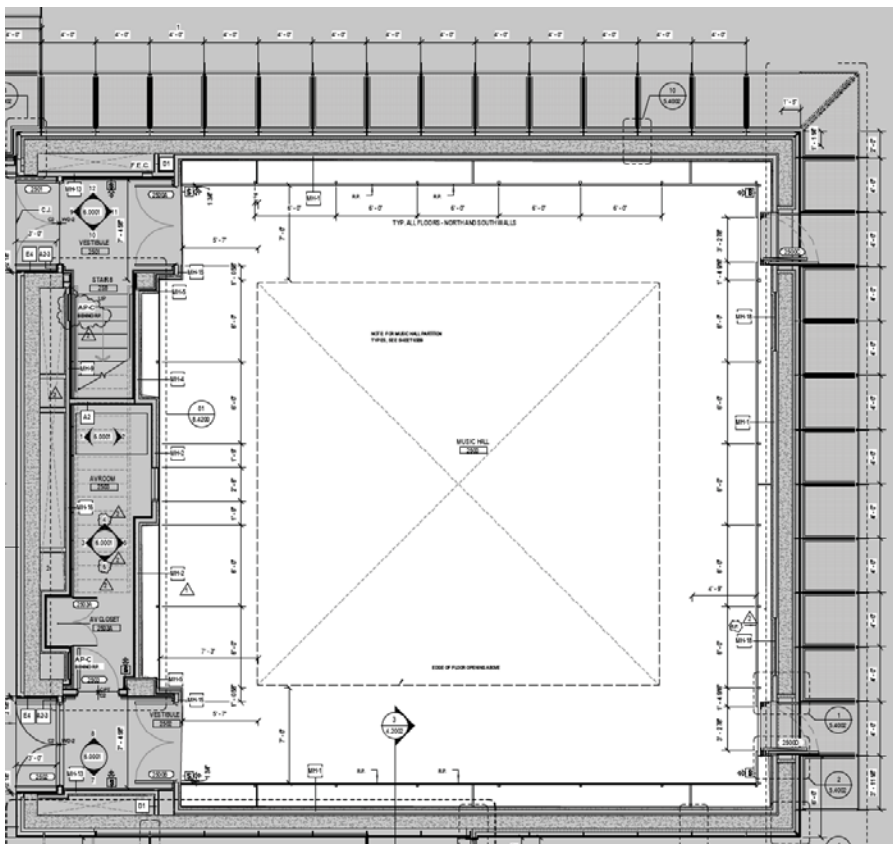
In 2002, in keeping with the vision and endowment of the museum's founder, Isabella Gardner, the museum embarked on a project to add a new wing to relieve the contemporary pressure on the original museum building, which was modeled after a 15th-century Venetian palazzo. The new wing includes space for contemporary art as well as a performance hall and other expanded amenities. The new performance hall has 296 seats and is designed primarily for the performance of classical music. It has a square stage, surrounded on all four sides by audience seating. The new performance hall's architectural design includes a skylight in its ceiling to bring natural light into the performance hall. At stage level, only two rows of seating surround the stage, with the performers and audience at the same level, so that the audience sits and

listens to performances in extreme proximity to the performers. The single row of balcony seats in the three balcony tiers effectively turns these seats into box seats where patrons can freely lean forward on the handrail or otherwise position themselves at ease without impacting the experience of other



**REVERBERATION TIME**

**MAIN FLOOR PLAN**



## BUILDING DETAILS AND ACOUSTIC DATA

Location 280 The Fenway  
Boston, MA,

Building Size 6,500 m<sup>2</sup>

Seating Capacity 296

Room Volume 2,500 m<sup>3</sup>

Reverberation Time (Mid-Frequency)

Unoccupied 1.0 sec

Occupied 0.9 sec

Finish Materials

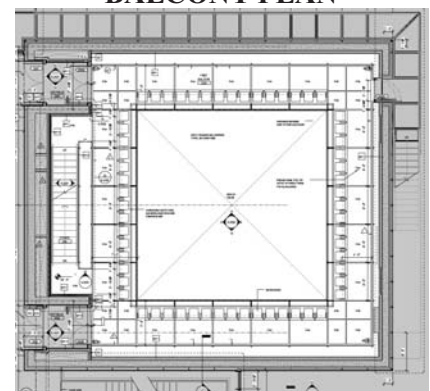
Ceiling : Glass, Pre-Cast Concrete

Walls : Perforated Wood Paneling,  
Gypsum Panel

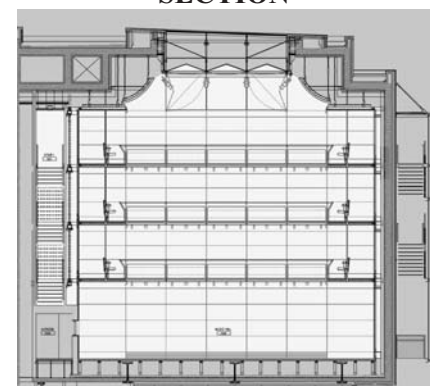
Aud. Floor : Wood

Stage Floor : Alaskan Yellow Cedar

**BALCONY PLAN**



**SECTION**



# CALDERWOOD HALL

AT THE ISABELLA STEWART GARDNER MUSEUM, BOSTON, MA, USA  
2012

NAGATA  
ACOUSTICS



Clockwise from Left:

- Performance Hall Stage View
- Expansion Exterior
- Balcony Seats
- Skylight

