

LOTTE WORLD TOWER CONCERT HALL

SEOUL, SOUTH KOREA
2016

NAGATA
ACOUSTICS

Acoustic Consultant:

Nagata Acoustics

Architect:

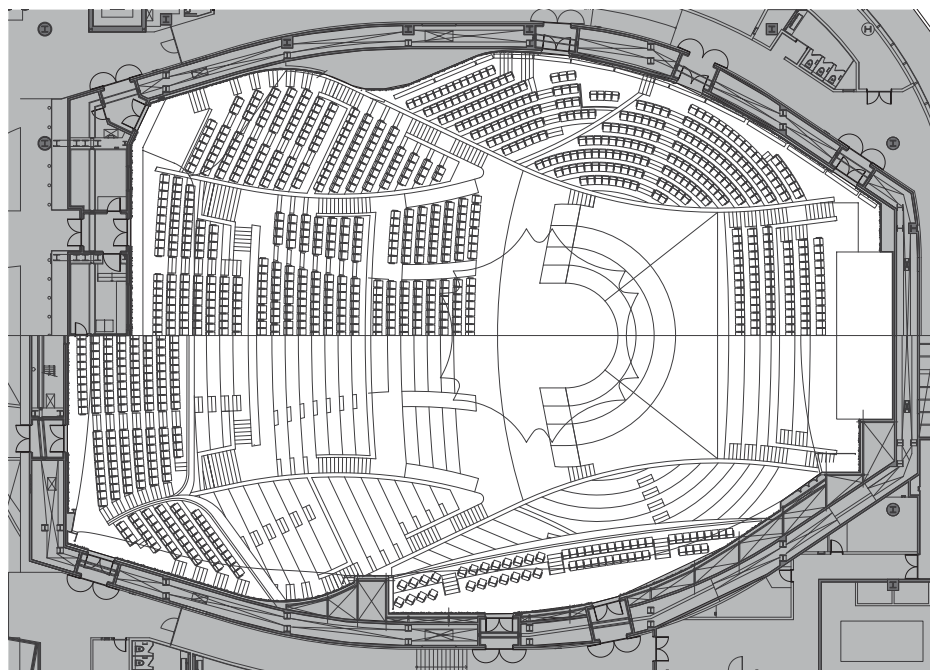
Designcamp Moon Park

Owner:

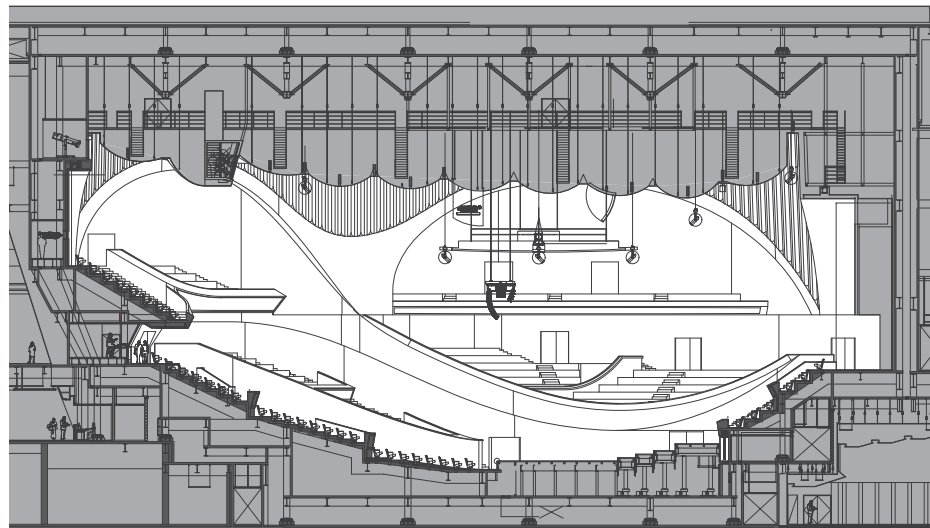
Lotte Corporation

Constructed as part of a complex that includes a 555m skyscraper, sprawling mall, aquarium, and cinemaplex, the Lotte Concert Hall stands out as being the first classical concert hall to open in Seoul for nearly 30 years. Located on the 7-11th floors of the Lotte World Mall, the hall invites the dedicated listener and casual shopper alike to enjoy visiting orchestras and Korean popular ensembles.

A double concrete structure floating on rubber pads prevents noise and vibration from the mall and nearby subway line from disrupting performances. To ensure clarity while creating a reverberant field, the design process included a 1:10 physical scale model in conjunction with computer simulations. The space is intended primarily for classical acoustic performances, but a system of stage carpet, baffles, and mechanically operated banners reduces the relatively long reverberation to allow amplified performances.



PLAN



LONGITUDINAL SECTION

0 5 10 15 20
METERS

BUILDING DETAILS AND ACOUSTICAL DATA

Location Lotte World Mall,
300 Olympic-ro,
Seoul, South Korea

Seating Capacity: 2,036
Room Volume: 32,600 m³
Reverberation Time: (500Hz Octave Band,
Concert Configuration)

Unoccupied: 2.9 seconds

Occupied: 2.7 seconds

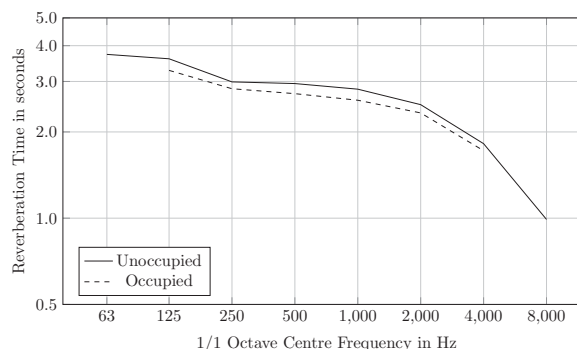
Finish Materials:

Ceiling, Canopy: Plaster

Walls: Wood ribs with veneer

Stage Floor: Alaskan Yellow Cedar

Organ: Rieger Orgelbau



REVERBERATION TIME

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Clockwise from Top

- View from second balcony
- Glass facade of the lobby, as viewed from 9th floor terrace
- Public approach to Lotte World Tower complex (concert hall located in top half of center building)
- View from stage