

SHENZHEN CONCERT HALL

SHENZHEN, CHINA
2007

NAGATA
ACOUSTICS

Acoustic Consultant:	Nagata Acoustics
Architect:	Arata Isozaki Atelier
Owner:	City of Shenzhen
Construction Cost:	650 million RMB

In the city of Shenzhen, China, where the city's status as a Special Economic Zone has been a catalyst of rapid and remarkable growth, the new Shenzhen Concert Hall complex opened in October, 2007. Arata Isozaki Atelier was selected for the honor of designing for the new Culture Center complex, composed of the concert hall and library. Nagata Acoustics participated on the concert hall project as the acoustical consultant.

The complex contains the Symphony Hall with 1,576 audience seats, the Theatre Studio with 400–580 seats and some rehearsal rooms. The Symphony Hall has a vineyard configuration with a steep audience block arrangement, termed a “canyon terrace.” At the largest point of the audience seating, the room spans 45m wide and 60m long, and has a ceiling height of 25 m. Ensemble reflector panels made of polycarbonate are suspended at the height of approximately 14m above the stage.

BUILDING DETAILS AND ACOUSTIC DATA

Location Fuzhong 1st Road, Futian,
Shenzhen, Guangdong, China

Building Size 8853.8 m²

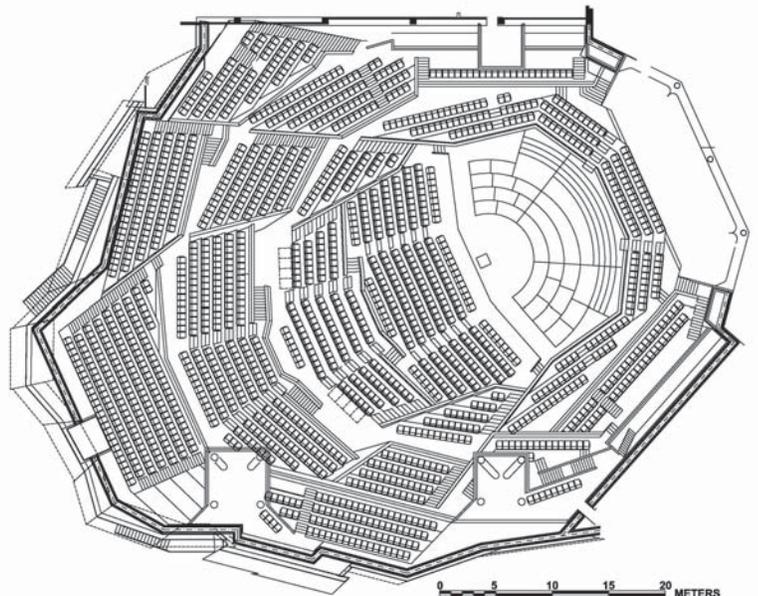
Concert Hall:

Seating Capacity 1,576
Room Volume 25,000 m³
Reverberation Time (Mid-Frequency)
Unoccupied 2.2 sec
Occupied 2.0 sec

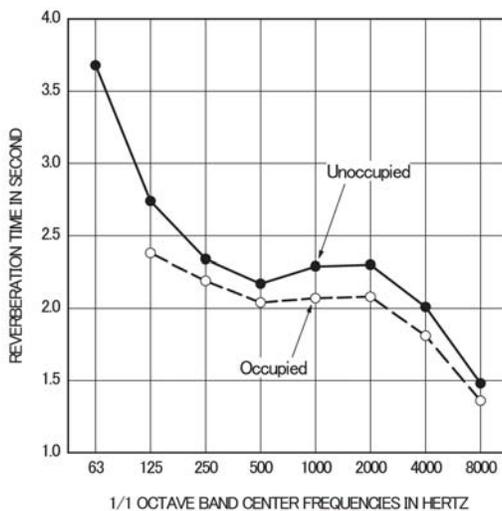
Finish Materials

Ceiling : Concrete
Walls : LC Panel, Wood rib
Aud. Floor : Wood flooring on concrete
Stage Floor : Hinoki Japanese cypress

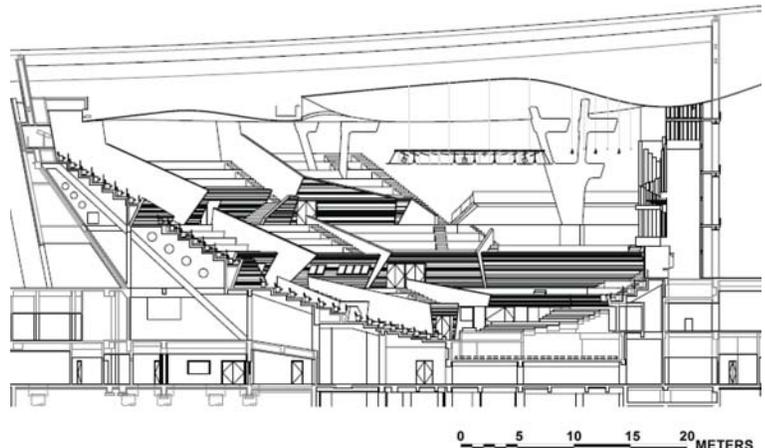
Noise Level: NC < 15



PLAN



REVERBERATION TIME



LONGITUDINAL SECTION

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