

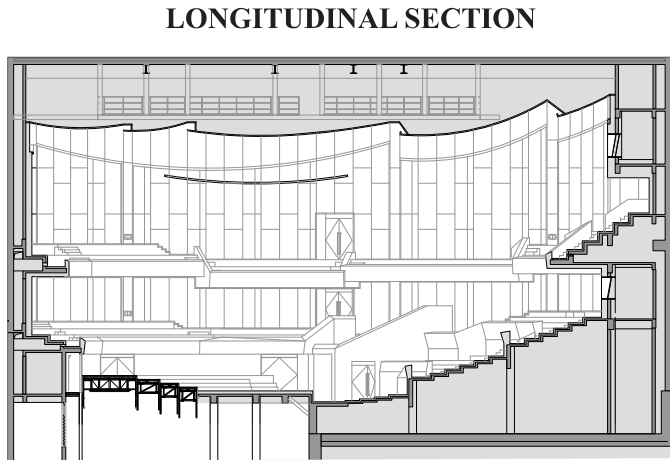
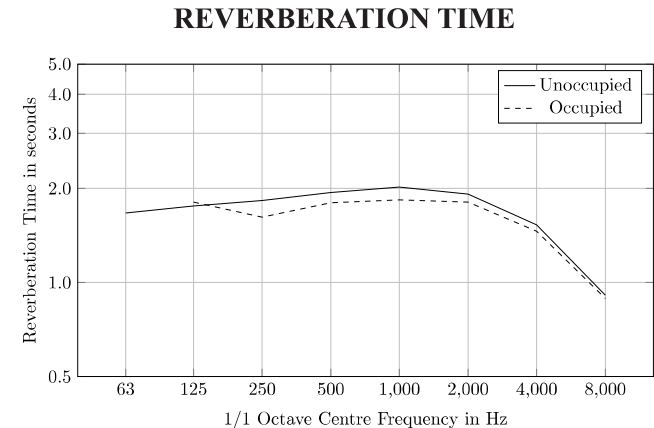
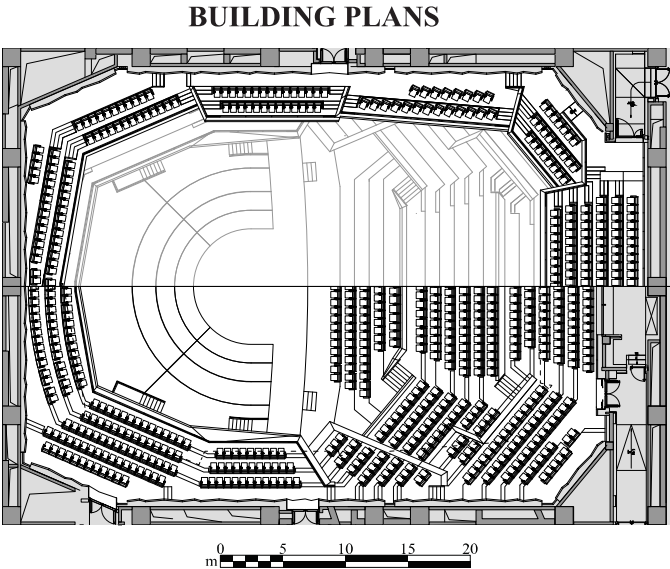
Acoustic Consultant:	Nagata Acoustics
Architect:	Wang Shu, Amateur Architecture Studio China Northwest Building Design Research Institute
Owner/User:	Xi'an Symphony Orchestra

The Xi'an Grand Theater is a cultural center at the heart of the Xi'an High-tech Zone Silk Road Science City. This neighborhood is located south-west of the historic city center and will house more than half a million residents along a suburban metro line. The center includes several cultural venues in addition to the the concert hall, such as a theater, chamber hall, hotel, exhibition gallery, and public park.

The concert hall seats 1,300 and has a stage for a full-sized orchestra. The hall has a slightly asymmetric plan, featuring angular terraces and boundary walls. A single balcony encircles the room with audience. A glass reflector was chosen over stage to showcase the elaborate wooden trellis on the ceiling, continuing a motif from the lobby and facade. The walls of the concert hall are constructed from cast-in-place concrete with a unique bamboo texture to scatter sound reflections. This pattern was handmade by arraying individual bamboo slices of various widths as form liner for poured concrete. This method was also used in several of the lobby and exterior spaces, providing a cohesive feel to the complex.

The hall held a soft opening in early 2025, and its grand opening on October 27th, 2025 by the Mariinsky Orchestra under Maestro Valery Gergiev. The Xi'an Symphony Orchestra will be the resident ensemble and split their time between the new hall and their existing hall in the historic center of Xi'an.

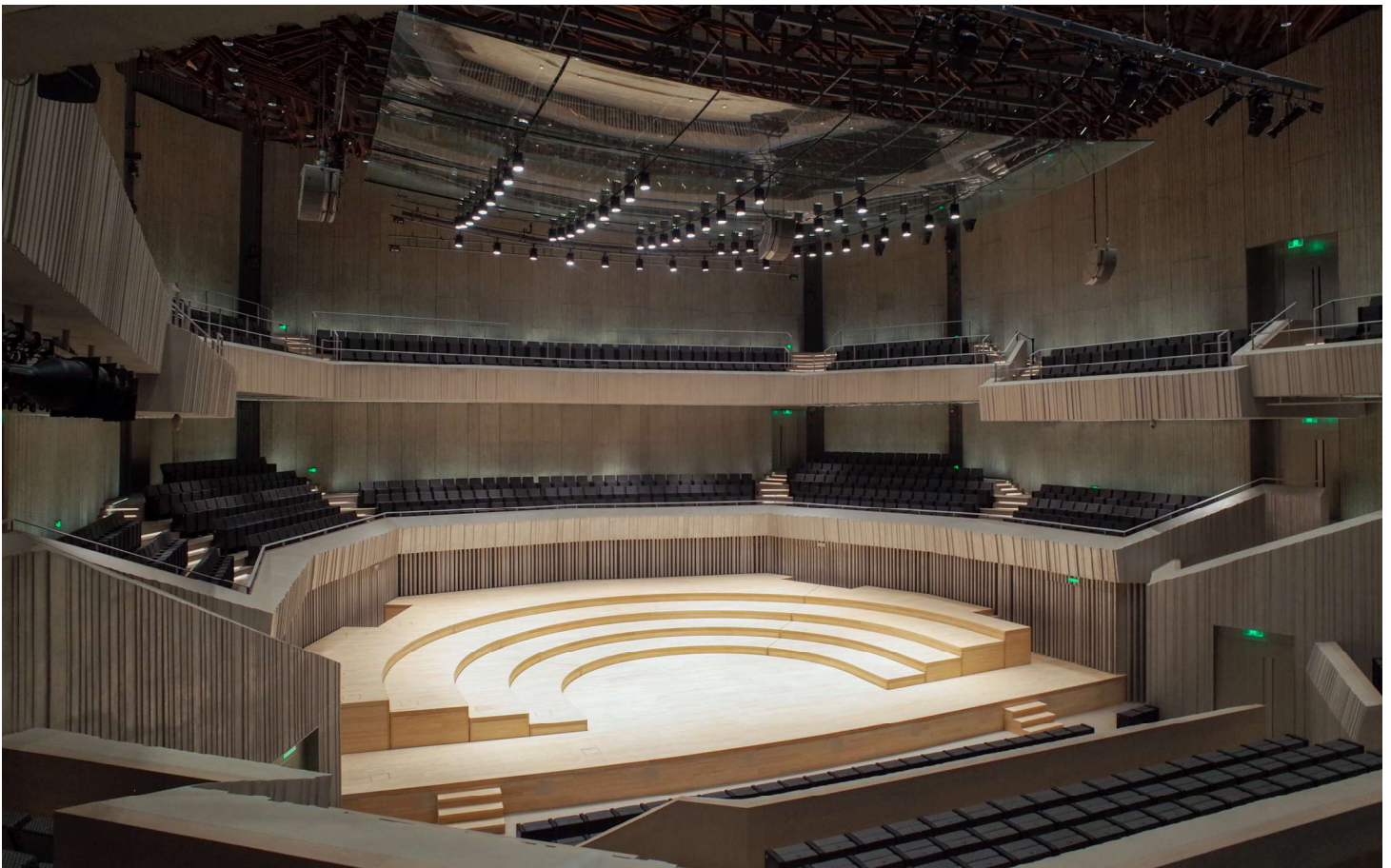
BUILDING DETAILS AND ACOUSTICAL DATA	
Location	Xitai and Cepo South Road, Xi'an, China
Seating Capacity:	1,300
Room Volume:	14,000 m³
Reverberation Time (500Hz Octave Band):	
Unoccupied:	1.9 seconds
Occupied:	1.8 seconds
Finish Materials:	
Main Ceiling:	GRG
Reflector:	Glass
Walls:	Concrete
Audience Floor:	Wood over concrete
Stage Floor:	Japanese Hinoki



XI'AN GRAND THEATER CONCERT HALL

XI'AN, CHINA
2025

NAGATA
ACOUSTICS



Clockwise from Top

- View from audience
- View from balcony
- Exterior
- Ceiling trellis
- Bamboo inlay wall texture

