

Acoustic Consultant:

Nagata Acoustics (auditorium)

Architect:

Robert A. M. Stern Architect
SHINSEGAE Engineering & Construction

Pierre-Yves Rochon

Owner/User:

Shinsegae Group

Shinsegae Namsan was built as a facility for internal trainings and corporate functions for the Shinsegae group, one of the largest department store brands in Korea. The Trinity Hall is used for both internal and public concerts, recording sessions, lectures, and events such as banquets and weddings.

Two different stage configurations are programmed depending on the necessary depth needed for the musicians. A system of mechanical audience seats can transform the space from a raked auditorium for 470 seats in the narrow stage condition into an empty flat floored event space, with or without seats.

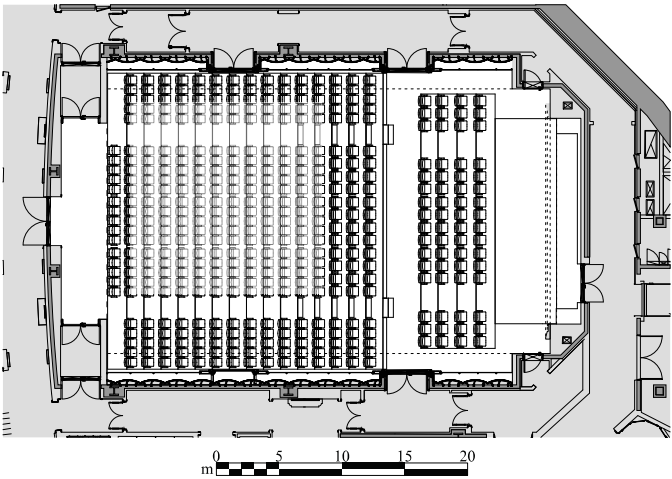
In order to prevent any acoustical issues caused by the overall parallel walls, large convex bumps were introduced to form the acoustical envelope. To hide these GFRG panels, the side walls of the auditorium feature a striking installation of aluminum fins designed by D'Art The Specialist Art Company. The fins create a colorful surface with floral relief while preserving acoustical transparency. To ensure no acoustical defraction grating was present, we conducted a 1:20 bench test and incorporated a randomized orientation for each fin.

The floating ceiling panels with integrated lights are similarly acoustically transparent, hiding the convex shaping that forms the acoustical ceiling.

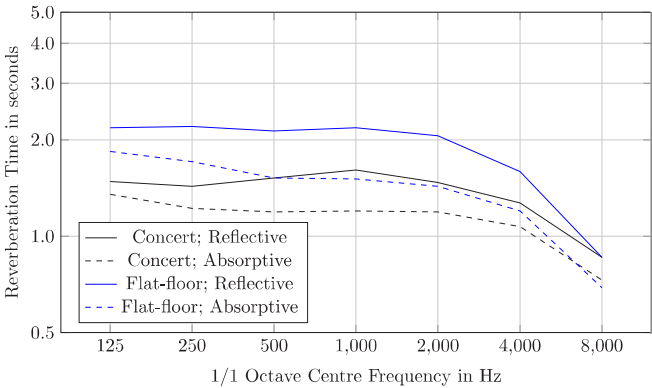
BUILDING DETAILS AND ACOUSTICAL DATA

Location	180 Jangchungdan-ro Jung-gu, Seoul, Korea
Seating Capacity:	470
Room Volume:	5,500 m³
Reverberation Time (500Hz Octave Band):	
Unoccupied:	1.5 seconds
Occupied:	1.4 seconds
Finish Materials:	
Main Ceiling:	GFRG
Walls:	GFRG
Audience Floor:	Wood on mechanical risers
Stage Floor:	Hinoki

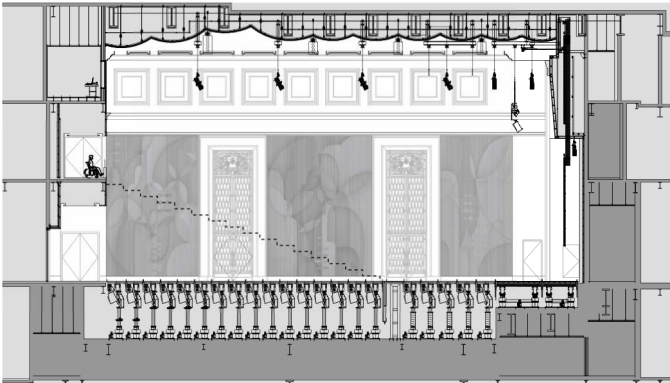
BUILDING PLANS



REVERBERATION TIME



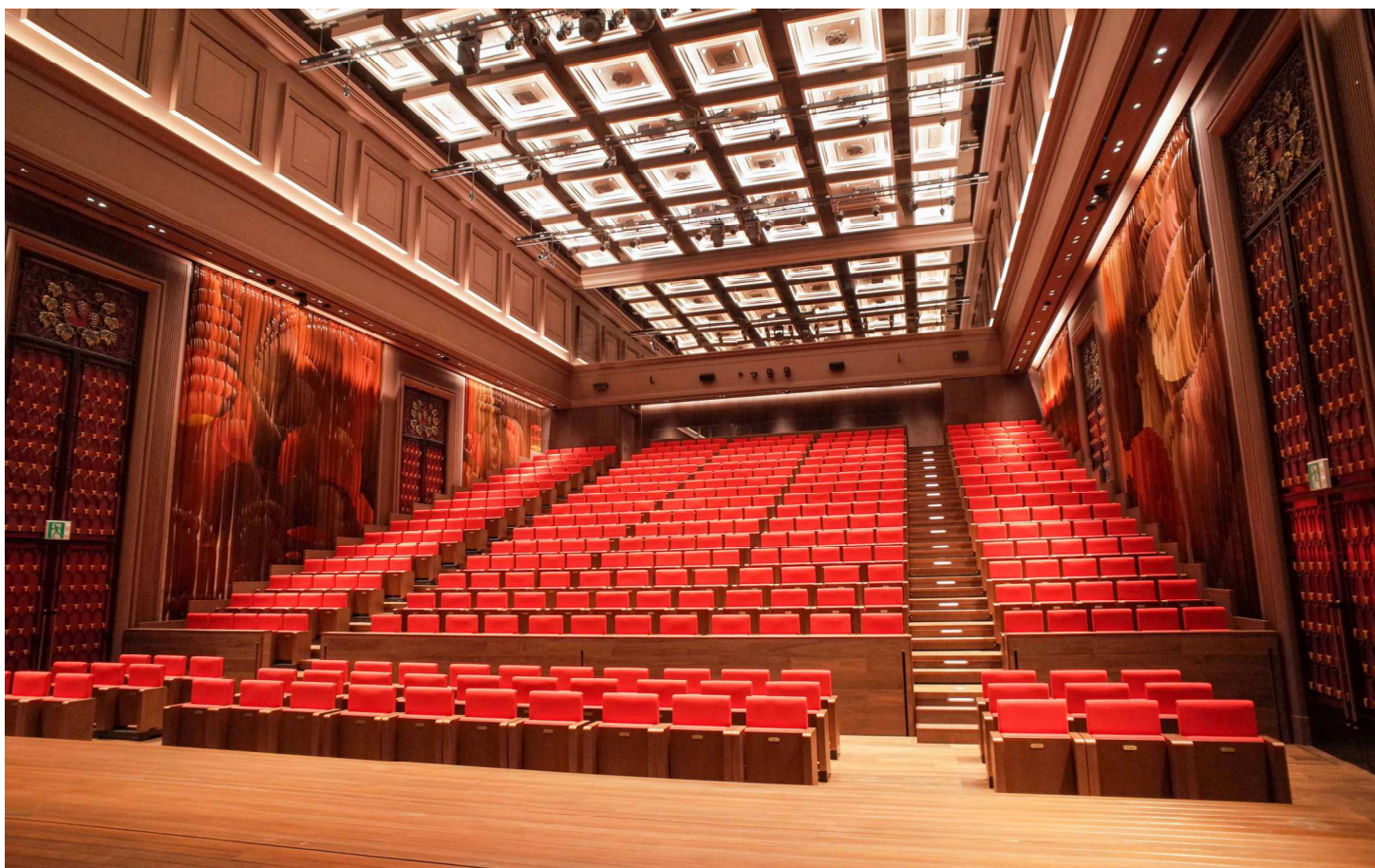
LONGITUDINAL SECTION



TRINITY HALL, SHINSEGAE NAMSAN

SEOUL, SOUTH KOREA
2024

NAGATA
ACOUSTICS



Clockwise from Top

- View from stage
- View from main audience in raked configuration
- Exterior
- View from stage in flat floor configuration
- Aluminum fin art installation

