

Acoustics Consultant:	NAGATA ACOUSTICS, Inc.
Architect:	Nippon Steel Corporation Design & Engineering Department YAMASHITA SEKKEI Inc.
Owners:	Nippon Steel Corporation
Sound & Communications:	NAGATA ACOUSTICS, Inc.
Construction Cost:	¥ 5,960 Million JPY

"Kioi" is the name of town in Tokyo. It was taken from the mansions of the feudal clans of "Kii", "Owari" and "Ii" that were situated here long ago. If you articulate this historic place name Ki-O-Ii, you can almost imagine the crisp sound of Edo, old Tokyo, in the awe-inspiring stillness of the stately "Samurai" residences.

The Kioi Hall is a concert hall in the shoe-box style with 800 seats. Among the concert halls in downtown Tokyo, this size hall creates an intimate space, which represents the character of this hall. In order to assure full and rich sound, a ceiling height of 16m was planned. In addition to side and rear balcony seats on the second floor, shallow balcony seats are provided the ground floor. This seating allocation creates an intimate atmosphere and closeness between audience and performers. The wooden finishes on the wall enhance the fine, warm acoustics.

The study of the room shape and particularly the location of balconies was determined by computer simulation techniques during the design stage, and the details of the walls and ceilings were studied by the use of 1/10th scale model experiments just after the construction work had started.

The Kioi Sinfonietta Tokyo is the resident orchestra of the Kioi Hall with Tadaaki Otaka as its chief conductor and music adviser.

BUILDING DETAILS AND ACOUSTICS DATA

Location 6-5 Kioi-cho Chiyoda-ku

Tokyo, Japan

Tel 03-5276-4500

Seating Capacity 800

Room Volume 8,650CM

Surface Area 3,160SM

Stage Area 167SM

Reverberation Time (Mid-Frequency)

Unoccupied 2.0 sec

Occupied 1.8 sec

Finishing Materials

Ceiling : GRC panel 30 mm

Wall : fiberglass reinforced gypsum board
(8mm × 2 ~ 4 layers)

Floor : flooring block

Seat : Upholstered

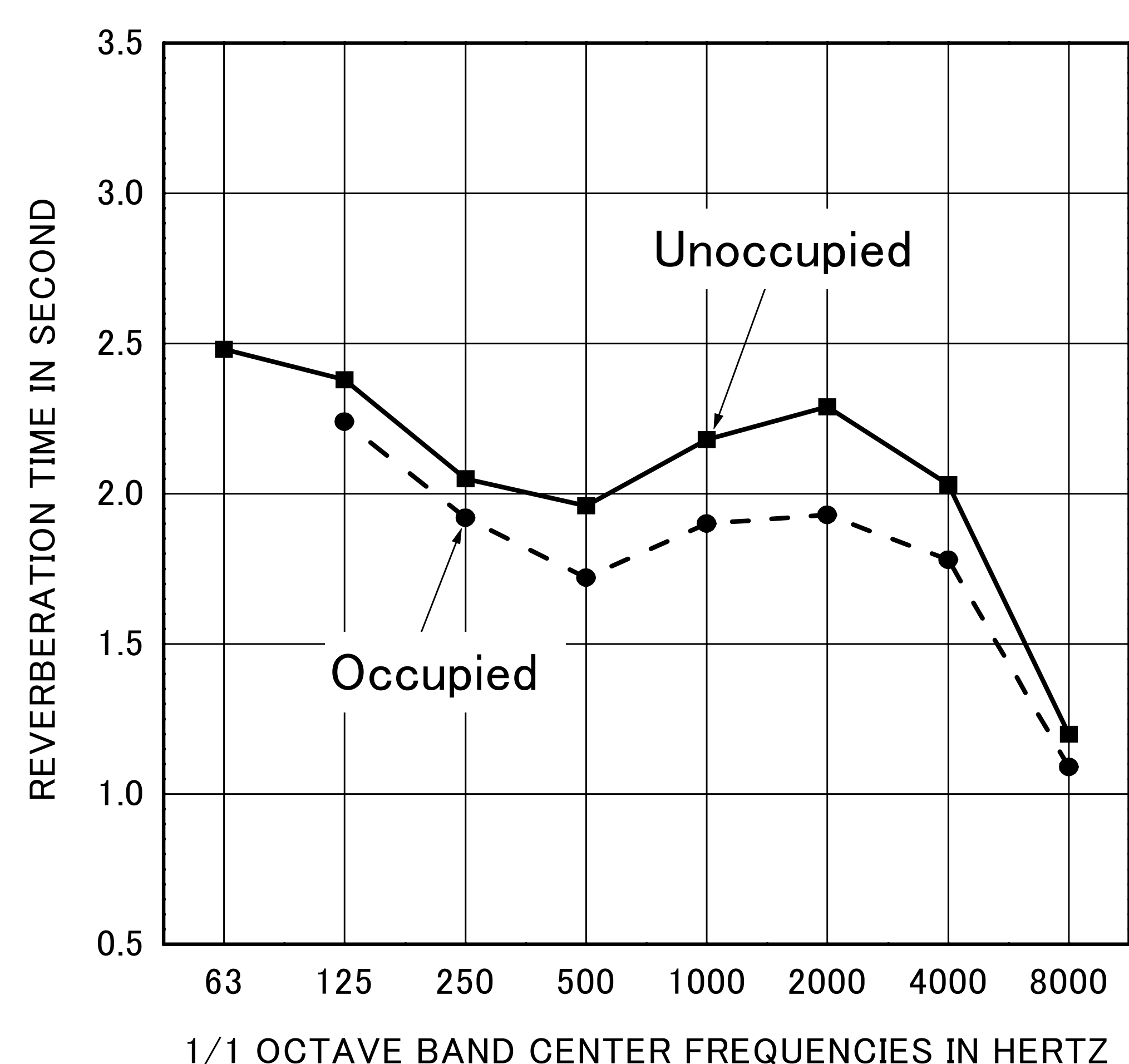
Noise Level : NC -15

Other Facilities : Small Hall (250 seats)

for traditional Japanese music

Total Cost : ¥ 5,960 Million JPY

Total Floor Area : 12,654SM

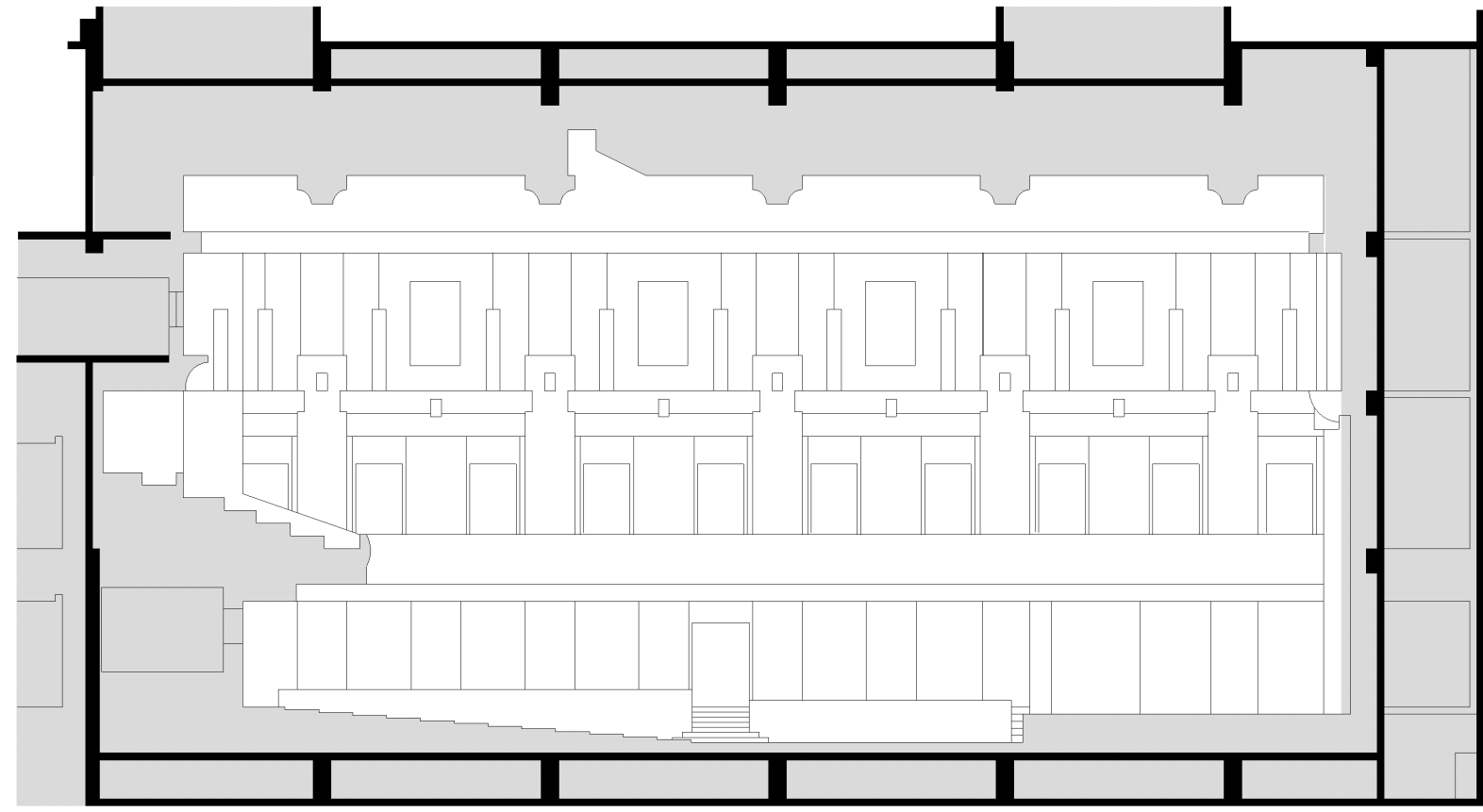


REVERBERATION TIME

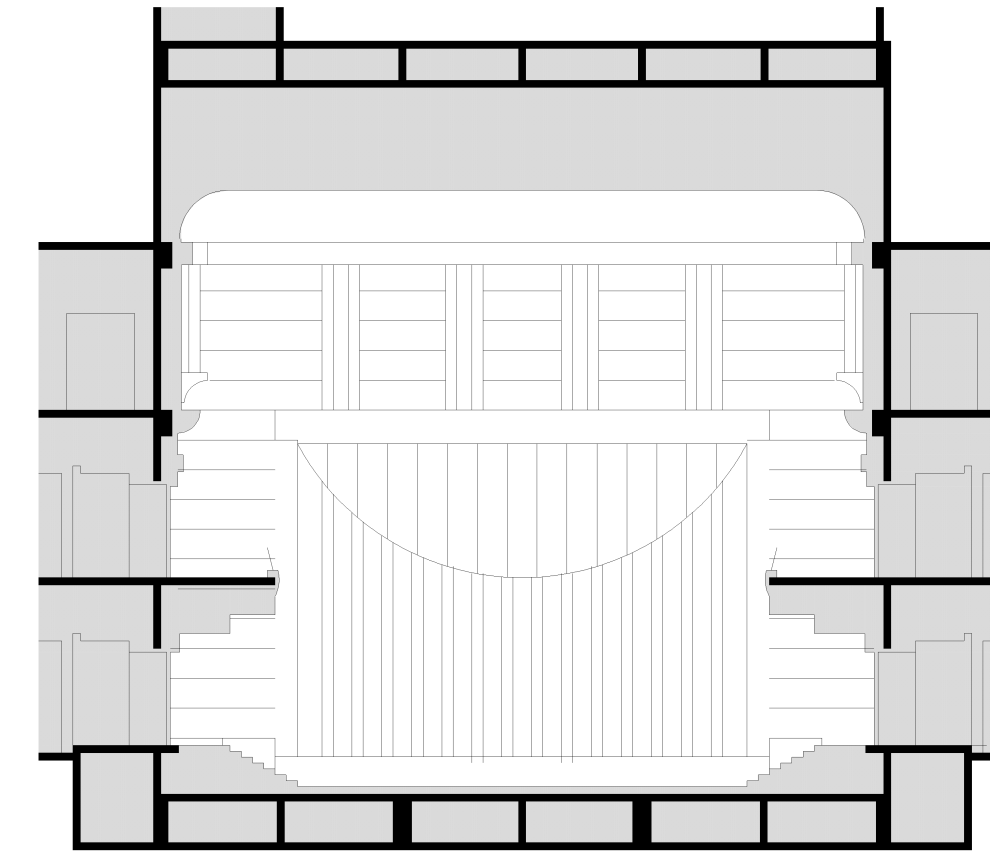
KIOI HALL

TOKYO, JAPAN
1995

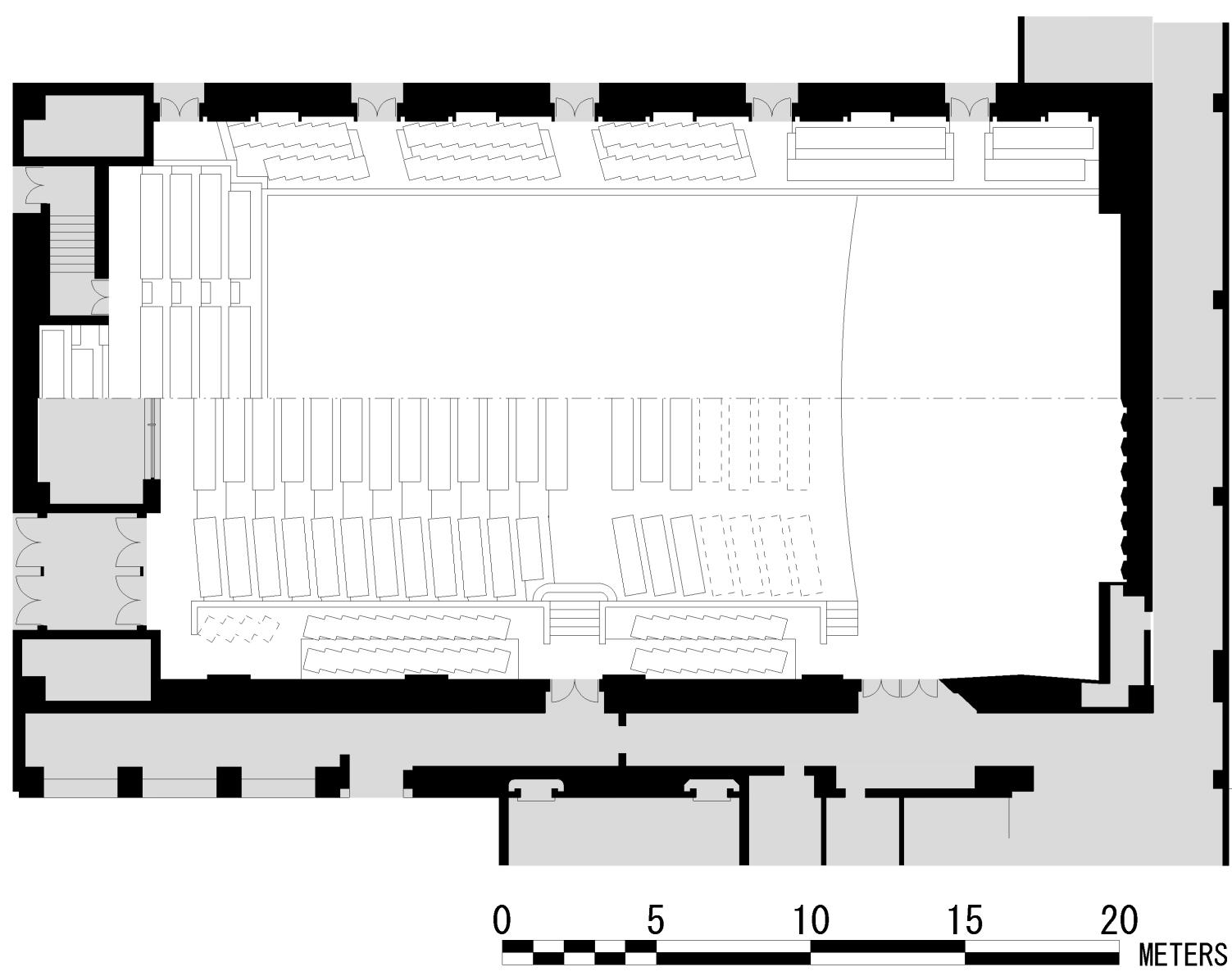
NAGATA
ACOUSTICS



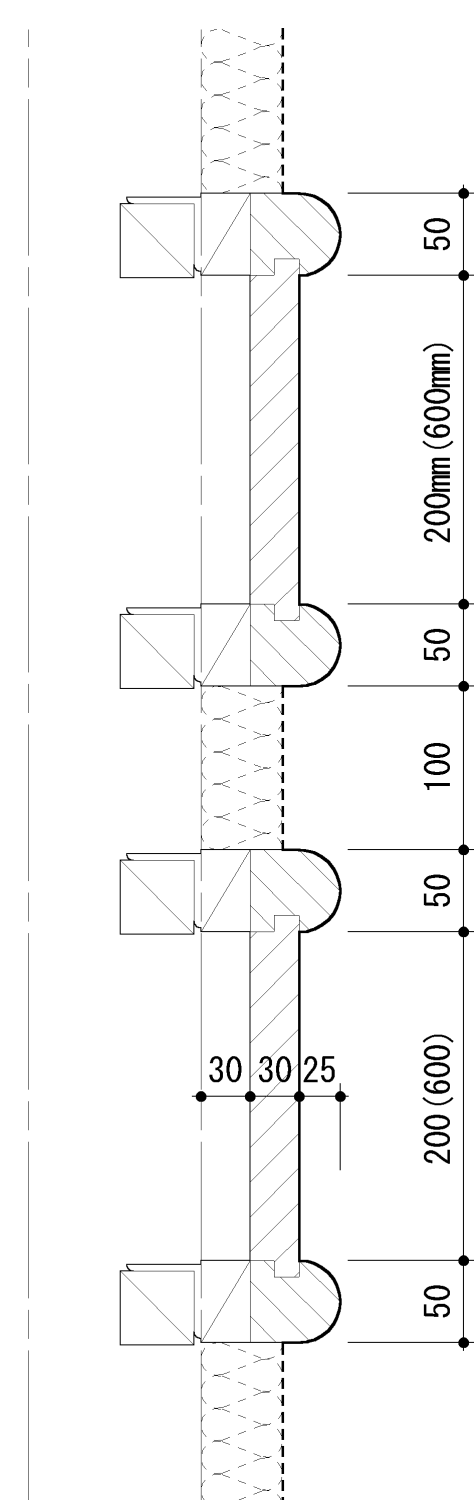
LONGITUDINAL SECTION



TRANSVERS SECTION



PLAN



DETAIL OF SIDEWALL

