

# SUNTORY HALL

TOKYO, JAPAN  
1986

NAGATA  
ACOUSTICS

|                         |                        |
|-------------------------|------------------------|
| Acoustics Consultant:   | NAGATA ACOUSTICS, Inc. |
| Architect:              | Yasui Architects       |
| Owners:                 | Suntory Limited        |
| Sound & Communications: | NAGATA ACOUSTICS, Inc. |

Suntory Hall, opened in 1986, was Tokyo's first large concert hall, planned especially to accommodate large symphonic ensembles. Suntory Hall was established as a premier concert hall in Tokyo in commemoration of the 60th anniversary of whisky production and the 20th anniversary of beer sales by Suntory Limited.

The focus of the design was to achieve a sense of oneness between musicians and audience. The seating area was arranged around the stage and divided into small blocks in a configuration similar to Berlin Philharmonic Hall, called "vineyard steps". Nine visually transparent plexiglass panels were suspended above the stage and the orchestra risers are divided into 21 blocks. An 74 stop-organ from Rieger Orgelbau of Austria, was installed at the front.

This hall has been very well-received by local and visiting musicians, promoters, and audiences. At present, the hall is used as the home for Tokyo's six professional orchestras. It has served as the site for more than 365 performances per year and is considered as Tokyo's premier hall for classical music. Maestro Herbert von Karajan when he visited in 1987 with his orchestra, the Berlin Philharmonic, expressed his views in the following manner: "I was deeply moved by the outstanding sounds of the hall. It is truly a jewel box of sound".

## BUILDING DETAILS AND ACOUSTICS DATA

Location 1-13-1 Akasaka, Minato-ku  
Tokyo 107-0052, Japan

Tel 03-3505-1001

Seating Capacity 2,006

Room Volume 21,000 CM

Surface Area 6,700 SM

Stage Area 235 SM

Reverberation Time (Mid-Frequency)

Unoccupied 2.6 sec

Occupied 2.1 sec

Finishing Materials

Ceiling : 2 layers of gypsum board (12 mm x 2)

Frontal Wall : wooden surfaced gypsum board on concrete

Side Wall : wooden surfaced gypsum board +  
1-2 layers of woodchip board (50 mm x 2)

Floor : 50 mm wooden board on concrete

Seat : upholstered

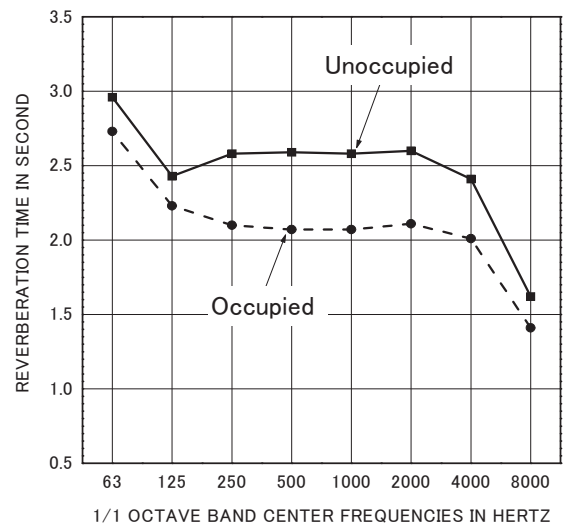
Miscellaneous : suspended ensemble reflectors with  
plexiglass

Organ : 74 stops (Rieger Orgelbau, Austria)

Noise Level : NC - 15

Other Facilities : Recital Hall (384 seats)

Total Floor Area : 12,027 SM

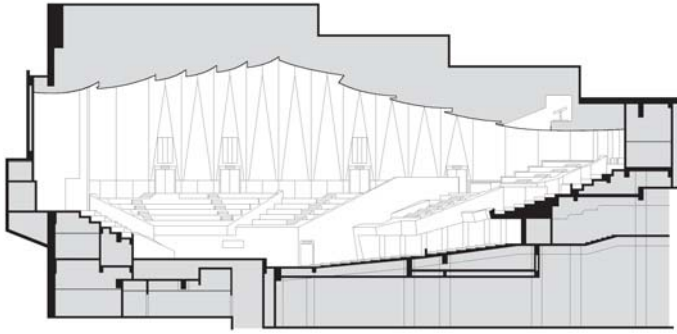


REVERBERATION TIME

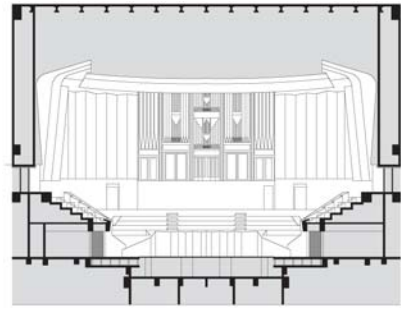
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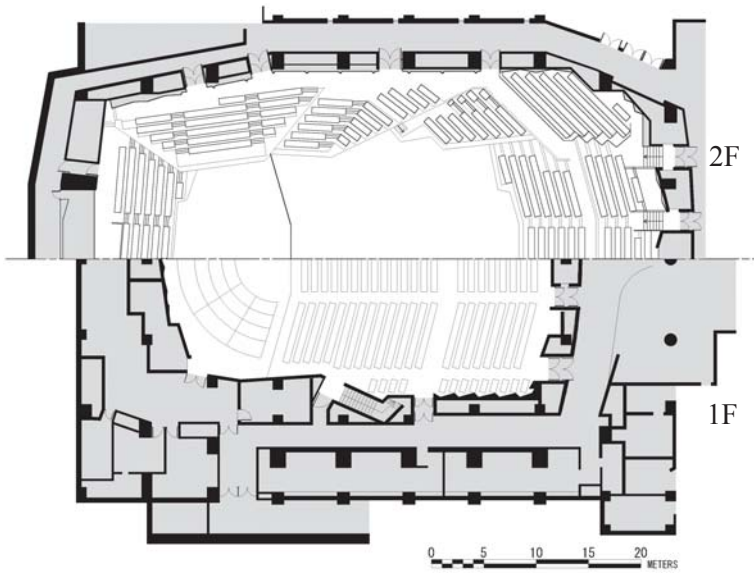
NAGATA  
ACOUSTICS



LONGITUDINAL SECTION



TRANSVERS SECTION



PLAN

