

Acoustics Consultant:	NAGATA ACOUSTICS, Inc.
Architect:	Okada & Associates Architects Engineers Planners
Owners:	City of Fukushima
Sound & Communications:	NAGATA ACOUSTICS, Inc.
Construction Cost:	¥ 3,700 Million JPY

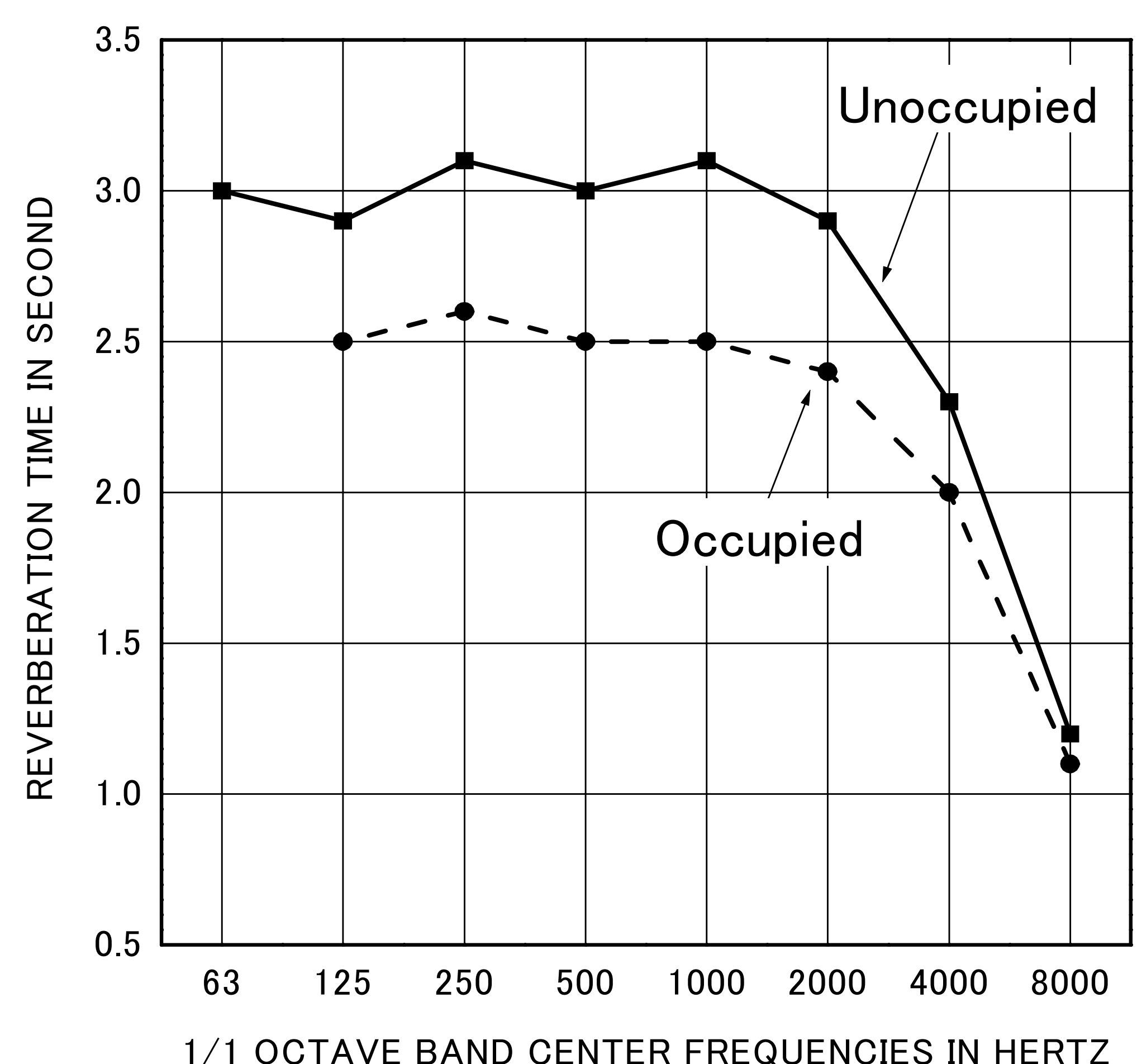
Fukushima Concert Hall was opened in 1984 as a shoe-box style concert hall. In the auditorium, 1,000 seats were arranged on one slope with no balconies. The hall was designed solely for classical music, in particular organ music, with design focus on compatibility of orchestral and organ music.

A 41-stop Marcussen organ from Denmark was installed on the front wall above the stage. All but the rear wall of the auditorium were finished with tile on concrete so that a high degree of reflection could be achieved from low to high frequencies.

As a result, a relatively long reverberation time (RT60) of 2.5 seconds under occupied conditions was obtained, which gives the space a rich reverberant sound. The reverberation time of 2.5 seconds was designed as a minimum value for rich organ sound, and also as a maximum for excellent orchestral sound.

BUILDING DETAILS AND ACOUSTICS DATA

Location	1-1 Irie-cho, Fukushima City 960-8117, Japan
Tel	024-531-6221
Seating Capacity	1,002
Room Volume	12,900 CM
Surface Area	3,900 SM
Stage Area	180 SM
Reverberation Time (Mid-Frequency)	
Unoccupied	3.0 sec
Occupied	2.5 sec
Finishing Materials	
Ceiling	: gypsum board (12 mm)
Wall	: tile on concrete
Floor	: 50 mm wooden board on concrete
Seat	: upholstered
Organ	: 41 stops (Marcussen & Sons, Denmark)
Noise Level	: NC - 20
Other Facilities	: Small Hall (200 seats)
Total Cost	: ¥ 3,700 Million JPY
Total Floor Area	: 6,023 SM



REVERBERATION TIME

FUKUSHIMA CONCERT HALL

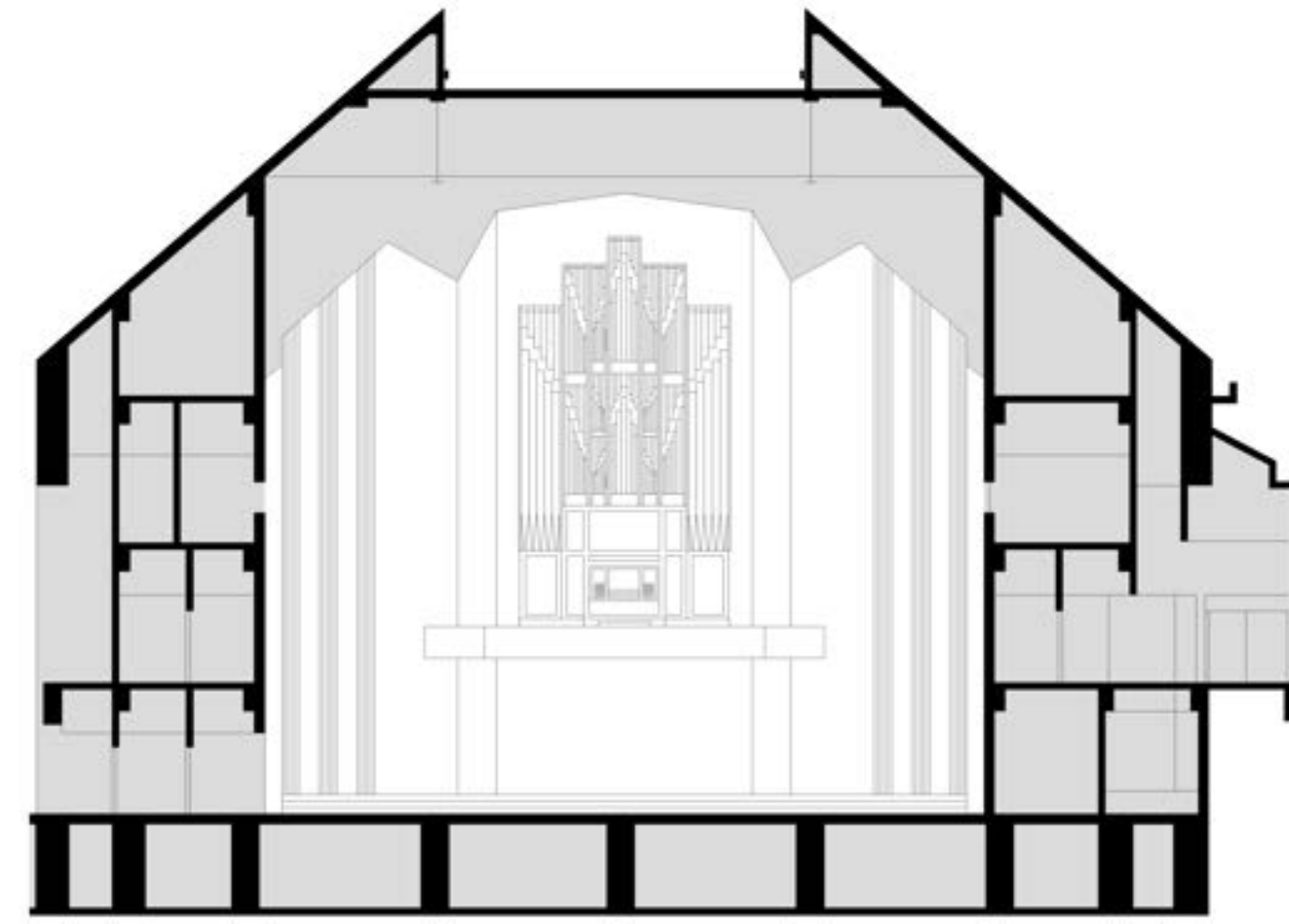
FUKUSHIMA, JAPAN

1984

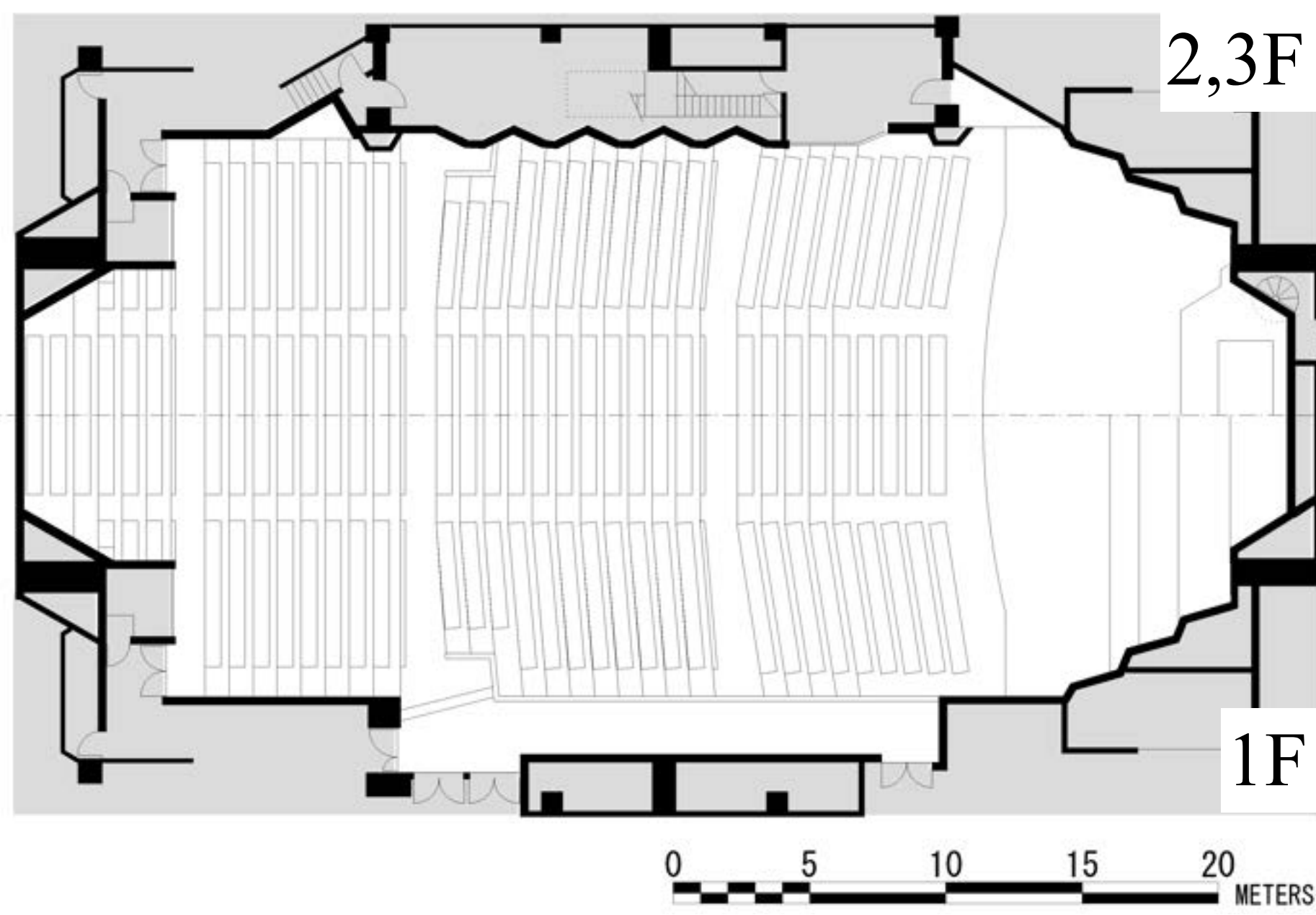
NAGATA
ACOUSTICS



LONGITUDINAL SECTION



TRANSVERS SECTION



PLAN

