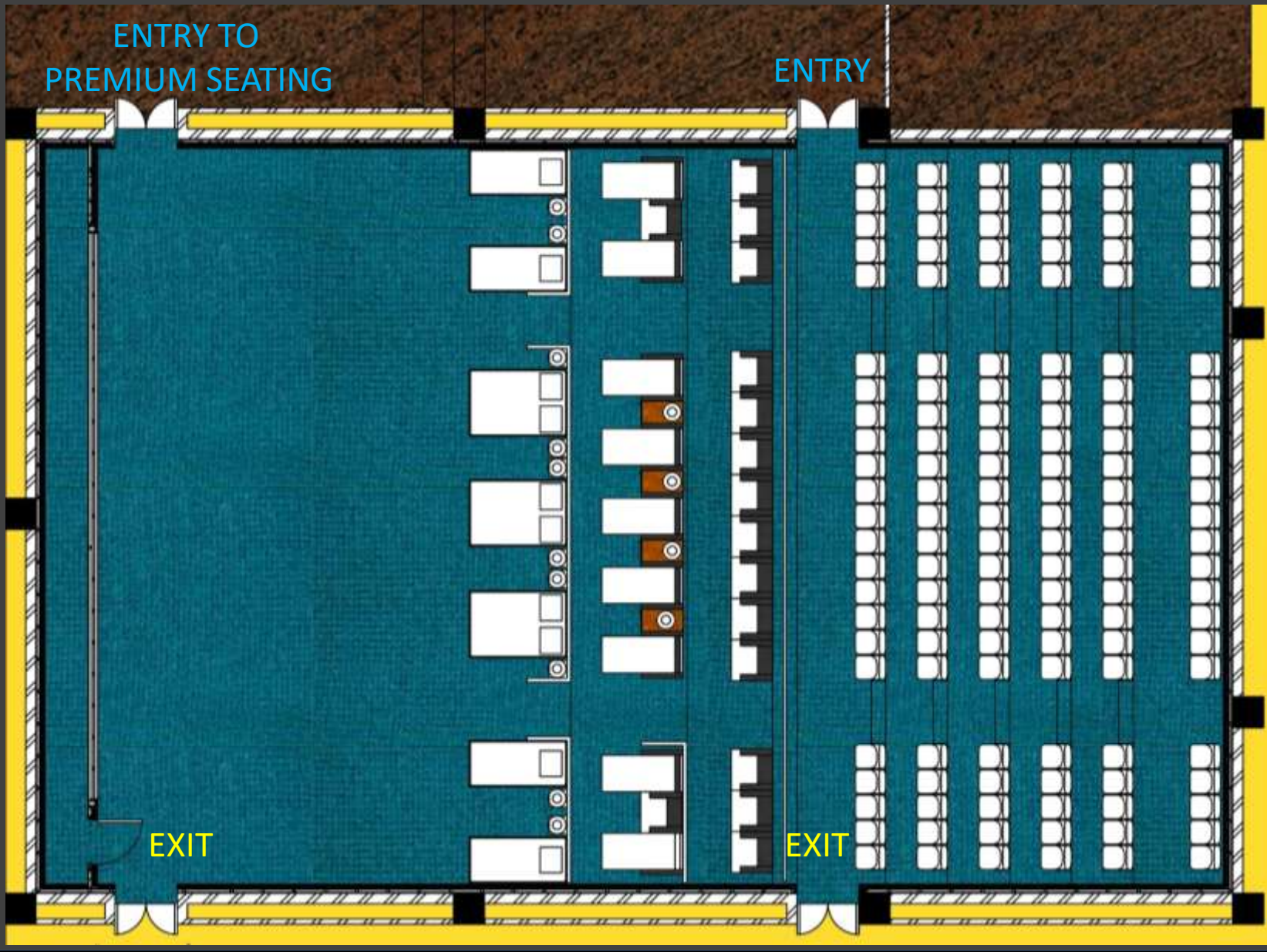
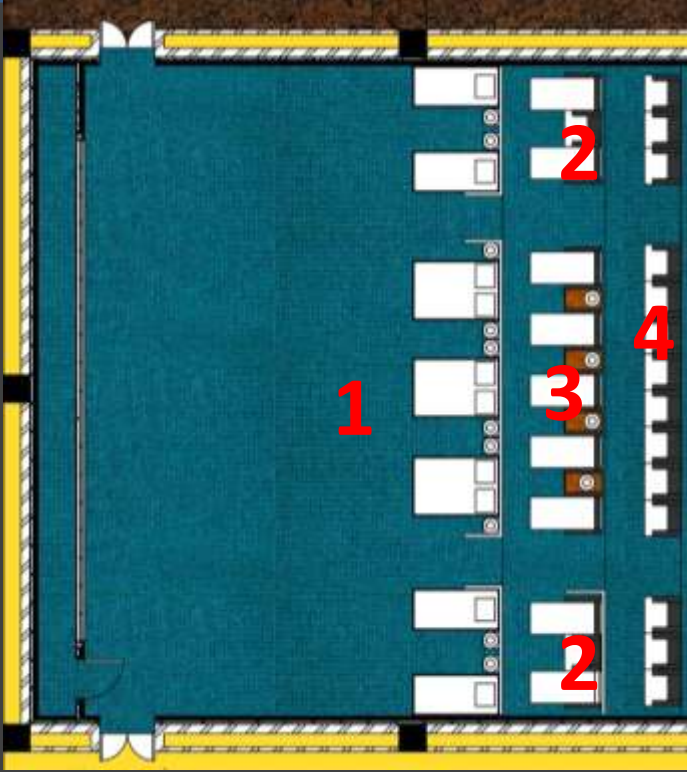




TYPE OF SEATING



FLOOR PLAN



SEATING 01



SEATING 02



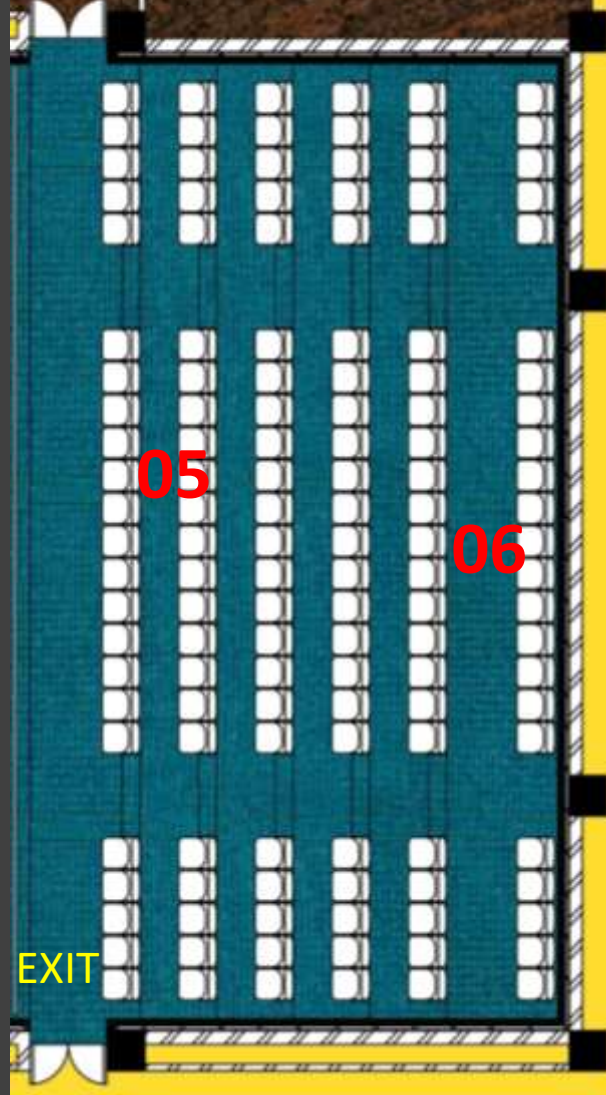
SEATING 04



SEATING 03

FLOOR PLAN

ENTRY

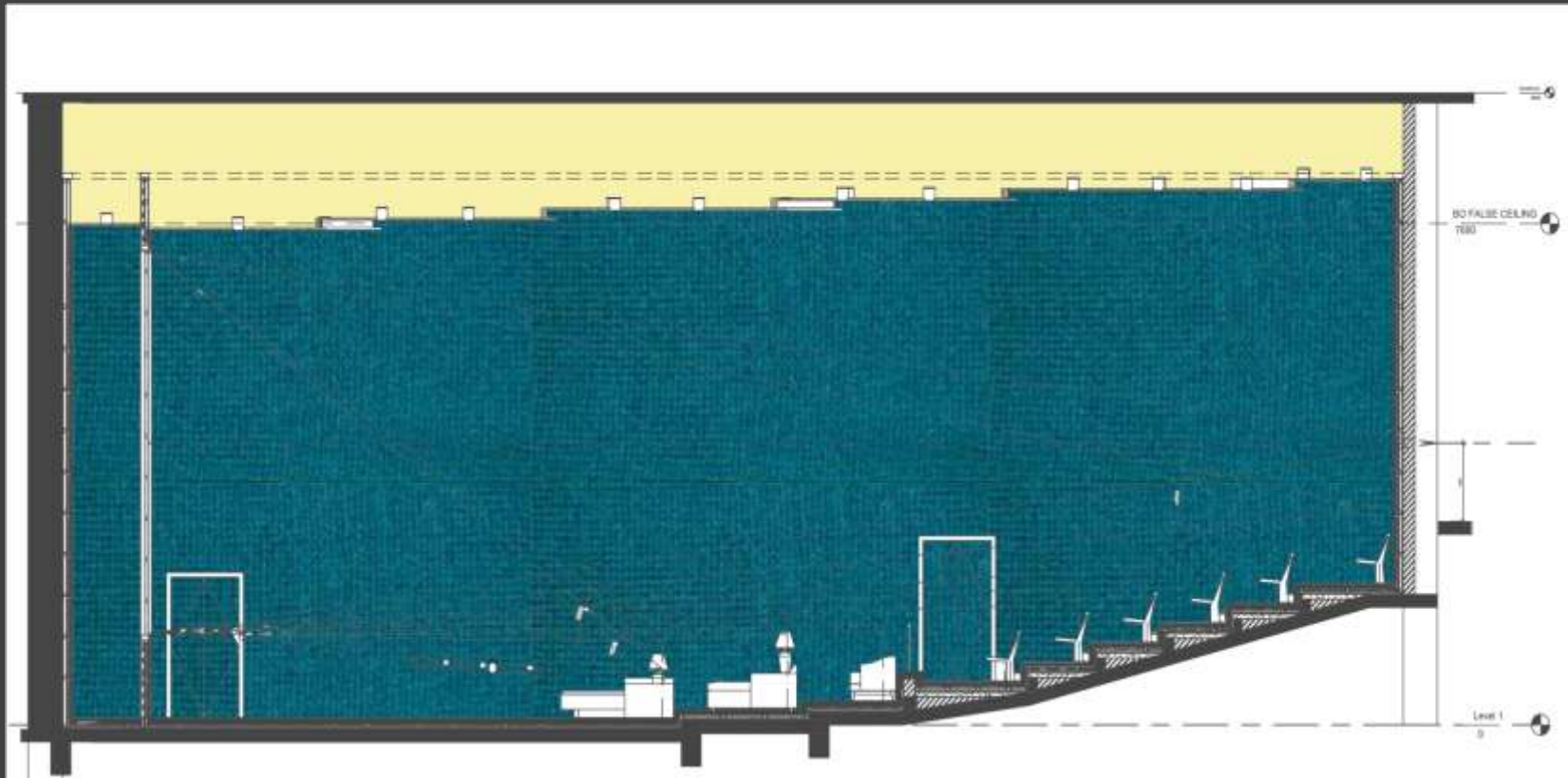


SEATING 05

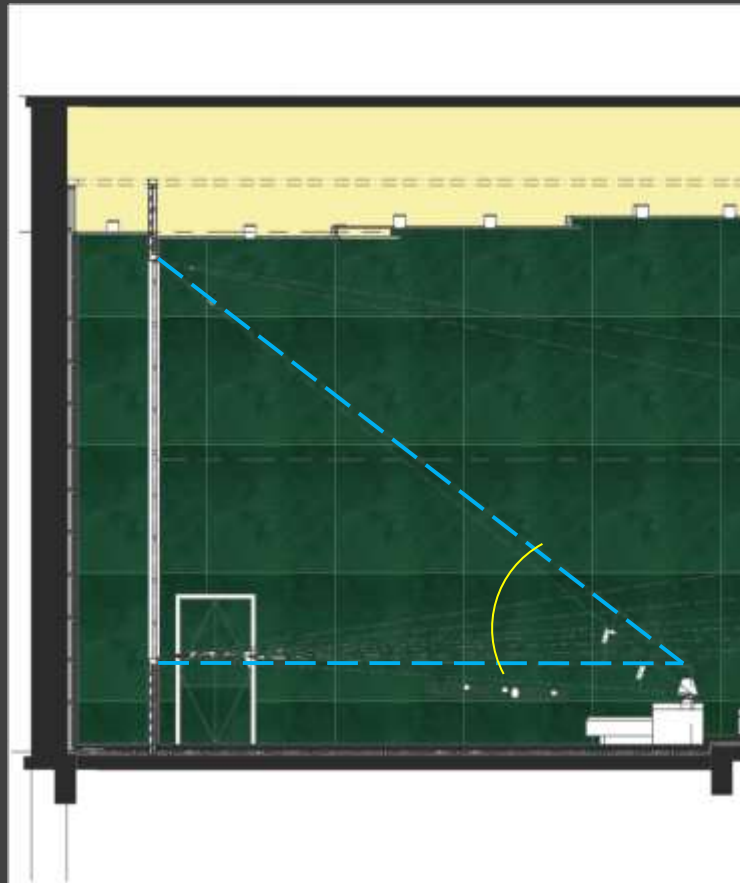
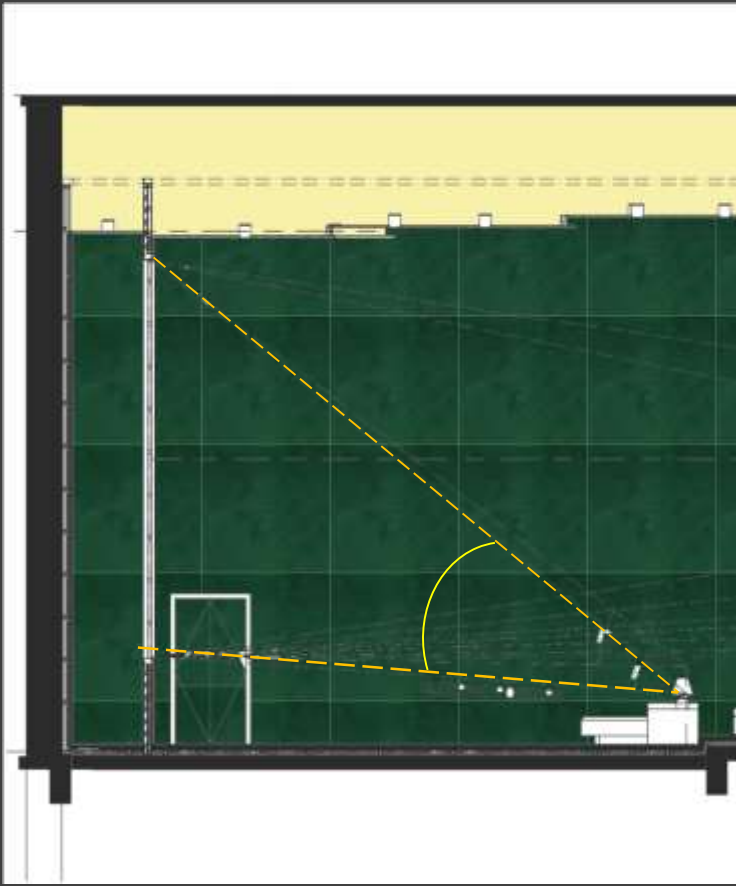
SEATING 06



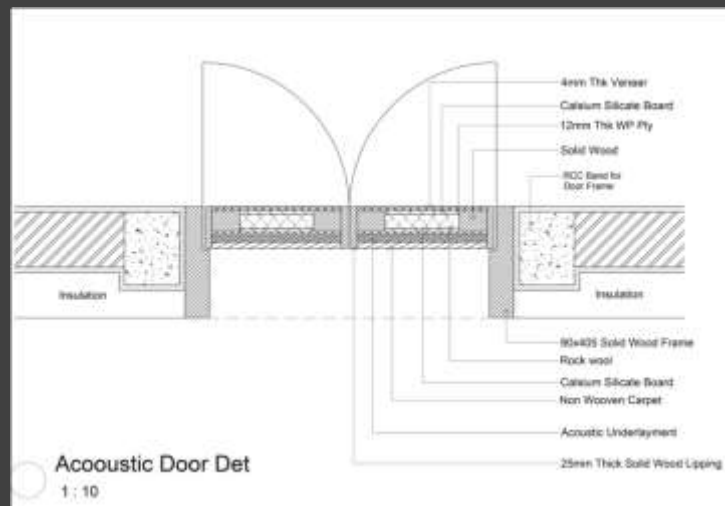
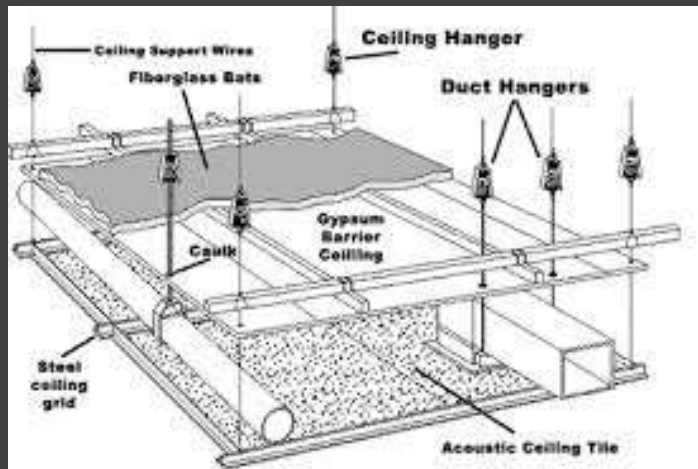
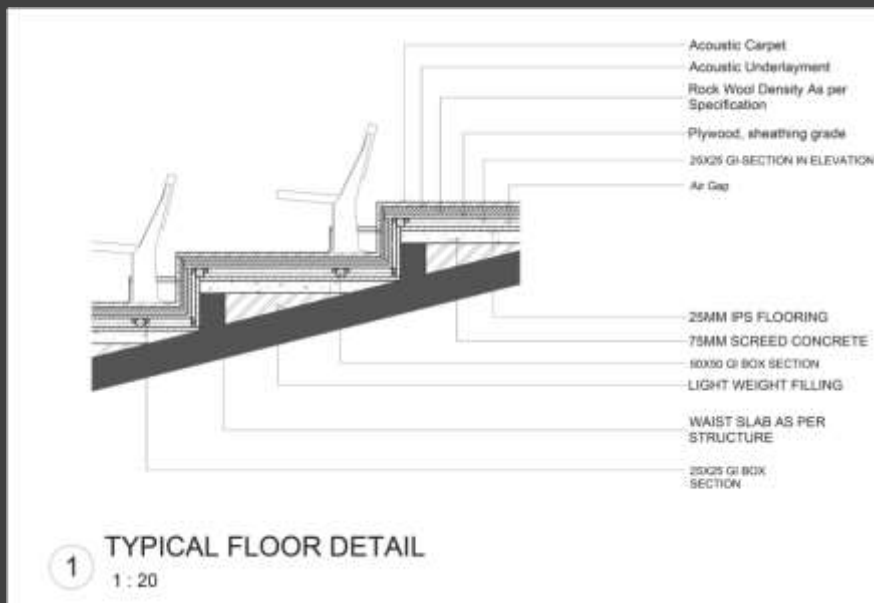
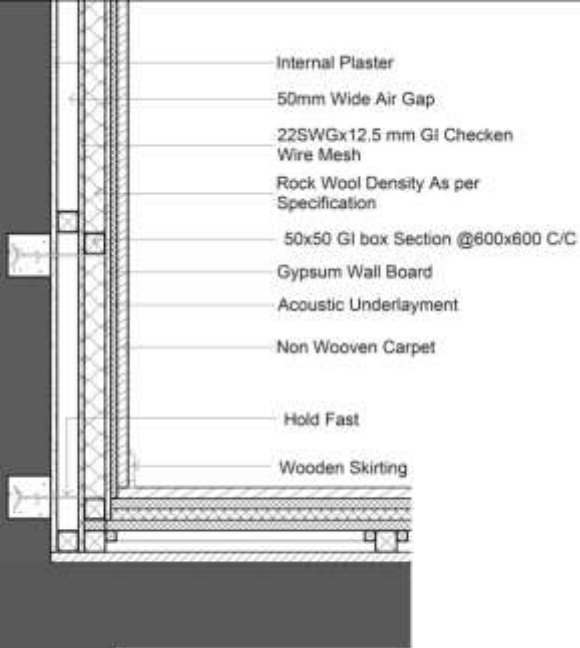
FLOOR PLAN



FLOOR PLAN



SIGHT



SOUNDPROOF DETAIL OF WALL, FLOOR AND CEILING

Table 4 Acceptable Indoor Noise Levels for Various Buildings
(Clause 4.1)

Sl No.	Location	Noise Level dB(A)
(1)	(2)	(3)
i)	Auditoria and concert halls	20-25
ii)	Radio and TV studios	20-25
iii)	Cinemas	25-30
iv)	Music rooms	25-30
v)	Hospitals and cinema theatres	35-40
vi)	Apartments, hotels and homes	35-40
vii)	Conference rooms, small offices and libraries	35-40
viii)	Court rooms and class rooms	40-45
ix)	Large public offices, banks and stores	45-50
x)	Restaurants	50-55

Table 8 Maximum Sound Pressure Levels Due to External and Mechanical Equipment Noise in Auditoria (dB)
(Clause 12.3.2)

Type of Auditorium	Centre Frequency (Hz)							
	63	125	250	500	1 000	2 000	4 000	8 000
Concert Halls (dB(A)-25)	51	39	31	24	20	17	14	13
Drama Theatres and Cinemas (dB(A)-30)	55	44	35	29	25	22	20	18

Table 9 Typical Sound Insulation Specification for Wall Separating Two Cinema Screens
(Clause 12.4)

Octave Band Hz	Sound Reduction Index R, dB
63	38
125	44
250	50
500	61
1 000	57
2 000	58

VOLUME AND CEILING HEIGHT

VOLUME INFLUENCES BOTH REVERBERANCE AND LOUDNESS. FOR HALLS OF HIGH CAPACITY, A LOW VOLUME PER SEAT HELPS PRESERVE ACOUSTICAL ENERGY.

Type of Auditorium	Volume per Seat cu ft (cu m)		
	Min	Mid	Max
Rooms for Speech	80 (2.3)	110 (3.1)	150 (4.3)
Concert Halls	220 (6.2)	275 (7.8)	380 (10.8)
Opera Houses	160 (4.5)	200 (5.7)	260 (7.4)
Churches/Synagogues	180 (5.1)	255 (7.2)	320 (9.1)
Multipurpose Auditoriums	180 (5.1)	250 (7.1)	300 (8.5)
Motion-picture Theaters	100 (2.8)	125 (3.5)	180 (5.1)

Hall Program

Range of acoustical volume

Theatrical and amplified events only	200-300 ft ³ /seat
Unamplified music (excluding pipe organ)	300-450 ft ³ /seat



TYPES OF CINEMA THEATER

TYPES OF MULTIPLEX