

CHAPTER 12 INTERIOR ENVIRONMENT

SECTION 1203 TEMPERATURE CONTROL

Delete this section in its entirety and replace with the following:

1203.1 Equipment and systems. For temperature and comfort control requirements, refer to IMC Section 309.

SECTION 1206 SOUND TRANSMISSION

Delete this section in its entirety and replace with the following:

1206.1 Scope. This section shall apply to interior walls, partitions, and floor/ceiling assemblies between adjacent spaces, functions or occupancies in office building PAA and GWA areas, residential buildings and combined buildings.

1206.1.1 Additional requirements.

1206.1.1.1 Refer to other attachments for CAA requirements.

1206.1.1.2 Equipment. Refer to Section 1206.4

1206.2 Methods. Provide acoustical batt insulation, door gaskets, automatic door bottoms, additional mass (gypsum board, concrete, concrete masonry units), and other material or devices required to achieve performance required in Table 1206.2.

**TABLE 1206.2
GENERAL PURPOSE SOUND ISOLATION CRITERIA**

Source	Adjacent	Minimum STC
Multi-purpose rooms, large conference rooms	Offices, related spaces	STC-50
Medical suite perimeter, provider offices, examination rooms, consultation rooms, and observation rooms	Other spaces in medical suite	STC-50
Other offices, small conference rooms	Adjacent offices and spaces	STC-45
GWA open office suite	Corridors, lobbies, etc.	STC-45
Mechanical equipment rooms	Any spaces	STC-50

Toilet rooms, housing common rooms (High-rise combined)	Adjacent spaces	STC-35
Shops	Adjacent offices or residential occupancies in combined buildings	STC-50
MSGQ sleeping rooms	Between sleeping rooms, sleeping rooms and corridor, sleeping rooms and living room.	STC-55
Dwelling unit common walls with another unit or corridor	Between adjacent residential dwelling units, dwelling unit corridors, dwelling unit and service areas.	STC-55
SDA high-rise and townhouse bedrooms	Other spaces.	STC-48

Add the following subsection:

1206.4 Noise restrictions for equipment.

1206.4.1 External noise levels at the site boundary of the facility shall comply with the host country's noise laws and regulations. When local standards do not exist, noise shall not exceed 55 dB (daytime) and 45 dB (nighttime) using the "A-Weighted Sound Level."

1206.4.2 Internal noise levels within buildings shall not exceed RC-35N in private offices, RC-30N in conference rooms and residences, and RC-40N in open office space per *ARI Standard 885-90*.

1206.4.3 All vibrating, reciprocating and rotating equipment mounted to the roof or the building structure shall be isolated from its associated piping/ducting and the building structure.

SECTION 1207
INTERIOR SPACE DIMENSIONS

Add the following subsection:

1207.5 Access for service and maintenance. Provide at least one continuous access route meeting minimum dimensional requirements from the service entrance to the following rooms / spaces.

1207.5.1 Equipment spaces. Provide access for large equipment maintenance and replacement to all spaces housing equipment, including but not limited to, air-handlers, chillers, switchgear, generators, fire pumps, boilers, environmental security filters, and heat exchangers.

1207.5.2 Service spaces. Provide access to service spaces, including but not limited to, food service facilities, mailroom, pouch vault, and trash rooms.

1207.5.3 Dimensional requirements. Provide the following minimum dimensions

1. **Corridors.** Minimum width: 1235 mm.
2. **Doors openings.** Minimum clear width: 1830 mm.
3. **Hoistway clear opening:** 1067 mm.

1207.5.3.4 Other requirements.

1. Refer to Chapter 4 for PCC requirements.
 2. Refer to OBO Mechanical, Plumbing and Electrical Codes for clearances at equipment.
- 1207.5.4 Atrium / Gallery maintenance.** Provide one access route from building exterior into the atrium / gallery to accommodate high-lift equipment used for upper maintenance such as window cleaning and lamp replacement.
1. Doors and corridors and doors shall comply with Section 1208.5.3 along entire access route.
 2. Configure doors and corridor(s) to provide adequate maneuvering clearance for high-lift equipment.

END OF CHAPTER IBC-12 AMENDMENTS