**Section 390.TABLE C Sound Transmissions Limitations**

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|  | Airborne Sound Transmissions Class (STC)a Partitions | Floors | Impact Insulation Class (IIC)b Floors |
| Residents' Room to Residents' Room | 40 to 44 | 40 to 44 | 44 |
| Public space to Residents' Room c | 45 to 49 | 45 to 49 | 49 d |
| Service areas to Residents' Room e | 50 to 54 | 50 to 54 | 49 d |

a Sound transmission class (STC) shall be determined by tests in accordance with methods set forth in ASTM Standard E 90 and ASTM Standard E 413.

b Impact insulation class (IIC) shall be determined in accordance with criteria set forth in HUD FT/TS-24, "A Guide to Airborne, Impact and Structure Borne Noise-Control in Multi-Family Dwellings."

c Public space includes Lobbies, Dining Rooms, Recreation Rooms, and similar spaces.

d Impact noise limitation applicable only when Corridor, Public Space, Service Area, or Play or Recreation Area is over patients' room.

e Service areas include Kitchens, Elevator Machine Rooms, Laundries, Garages, Maintenance Rooms, Boiler and Mechanical Equipment Rooms, and similar spaces of high noise. Mechanical equipment located on the same floor or above Patients' Rooms, Offices, Nurses Stations, and similar occupied spaces shall be effectively isolated from the floor.