Figure: 25 TAC §134.131(a)

TABLE (1)

SOUND TRANSMISSION LIMITATIONS IN FACILITIES

	Airborne sound transmission class (STC)[1]	
	Partitions	**Floors**
New Construction		
Patient room to patient room	45	40
Public space to patient room [2]	55	40
Service areas to patient room [3]	65	45
Patient room access corridor [4]	45	45
Consultation room	50	40
Existing construction		
Patient room to patient room	35	40
Public space to patient room [2]	40	40
Service areas to patient room [3]	45	45

Types of wall construction and the associated STC ratings are given in Fire Resistance Design Manual available from Gypsum Association, 810 First Street NE, #510, Washington, DC 20002.

NOTE: The listed STC rating requirements are for a reasonable degree of privacy. Rooms requiring confidentiality, such as examination rooms and rooms with extraordinary noise sources, may require additional sound insulation including acoustical doors and seals.

_____

1Sound transmission class (STC) shall be determined by tests in accordance with methods set forth in ASTM E90 and ASTM E4 13. Where partitions do not extend to the structure above, sound transmission through ceilings and composite STC performance must be considered.

2Public space includes corridors (except patient room access corridors), lobbies, dining rooms, recreation rooms, treatment rooms, and similar space.

3Service areas include kitchens, elevators, 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 patient rooms, offices, nurses stations, and similar occupied space shall be effectively isolated from the floor.

4Patient room access corridors contain composite walls with door/windows and have direct access to patient rooms. Junctions and joints of walls and partitions shall be sealed to prevent sound leakage under, over, or through the separation. Outlets shall be insulated and separated. Openings around ducts, conduits and pipes shall be sealed to minimize sound transmission.