

**APPENDIX J**2006 Edition, Published January 1, 2006; Document Revision Date: July 1, 1996

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**RANGES OF DESIGN LIMITS FOR SOUND CONTROL**

<u>Type of Room or Area</u>	<u>Range of A-Sound Levels in Decibels</u>	<u>Range of NC Criteria Curves</u>
<b>AUDITORIUMS</b>		
Concert and Music Halls	25-35	20-25
Lecture Halls and Auditorium	35-45	30-35
Multi Purpose Halls and Theaters	30-40	25-30
<b>CIRCULATION</b>		
Corridors, Lobbies, and Waiting Rooms	40-50	35-45
Wash Rooms and Toilets	45-55	40-45
<b>CLASS ROOM AND STUDY AREAS</b>		
Class Rooms	35-45	30-40
Conference Rooms, Seminar Rooms	30-40	25-35
<b>DINING AREAS</b>		
Cafeterias	45-55	40-50
Dining Rooms	35-45	30-40
Restaurants	40-50	35-45
<b>LABORATORIES</b>		
Laboratory Class Rooms	40-50	35-45
Processing Laboratories	40-50	35-45
Research Laboratories	40-50	35-45
<b>LIBRARIES</b>		
	35-45	30-40
<b>OFFICES</b>		
Executive Offices	35-45	30-40
General Offices and Reception Rooms	35-50	30-45
Open Offices and Drafting Rooms	40-55	35-50

RECREATION

Gymnasiums, Bowling Alleys, Squash and Hand Ball Courts	40-50	35-45
Recreation Halls and Rooms	40-55	35-50
Sports Arenas	35-45	30-40
Swimming Pools	45-60	40-55

STUDY AREAS

Auto Tutorial Study Carrel Rooms,  
Closed Study Carrels, and Study  
Rooms and Lounges

35-45 Range of A-Sound Levels in Decibels	30-40 Range of NC Criteria Curves
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Type of Room or Area

STUDIOS

Sound Reproduction Studios	30-40	25-30
Television Studios	35-45	30-35

MISCELLANEOUS

Computer Machine Rooms	45-65	40-60
Dormitory Sleeping Rooms	35-45	30-40
Kitchens and Laundries	45-55	40-50
Museums, Court Rooms	35-45	30-40

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END OF APPENDIX J