


2.3 31623 ACOUSTICAL NOISE CONTROL

1. Noise Criteria
 2. Site Selection
 3. Site Noise Survey
 4. Transmission Loss
 - 4.2.1 Sound Barriers
 - 4.2.2 Sound Transmission Class (STC)
 - 4.3 Isolation Systems
 5. Wall Construction
 6. High-Loss Frame Walls
 7. Concrete Block Walls
 8. Concrete Walls
 9. Wall Caulking
 10. Floor and Ceiling Construction
 11. Floor Construction
 12. Summary of Floating Floor Systems
 13. Acoustical Doors
 14. Windows
 15. Transmission Loss of a Compound Barrier
 16. Isolation Systems Summary
 17. Heating, Ventilating, and Air Conditioning (HVAC) Systems for Low Noise
 18. Location of HVAC Equipment
 19. Identification of HVAC Noise Producers
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20. Vibration Isolation
21. Attenuation of Noise in Ducts
22. Tuned Stub Noise Attenuators
23. Plenum Noise Attenuators
24. Proprietary Silencers
25. HVAC Systems Conclusion

References Books:

1. L. L. Beranek, Revised Criteria for Noise in Buildings, Noise Control, vol. 3, no. 1, p. 19, January 1957.
2. L. L. Beranek, W. E. Blazier, and J. J. Figwer, Preferred Noise Criteria (PNC) Curves and Their Application to Rooms. Presented at the 81st Meeting of the ASA, Washington DC April 1971.

