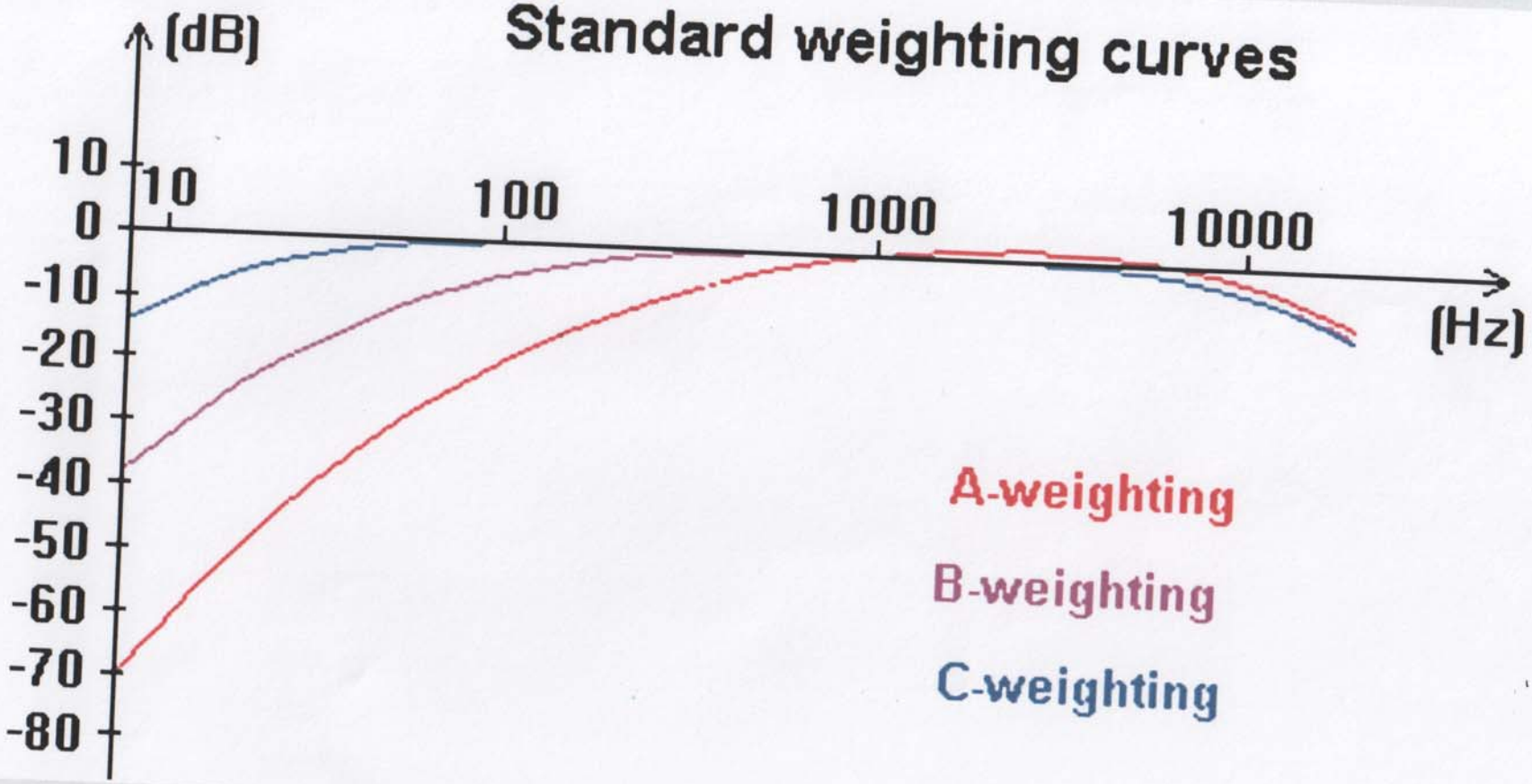
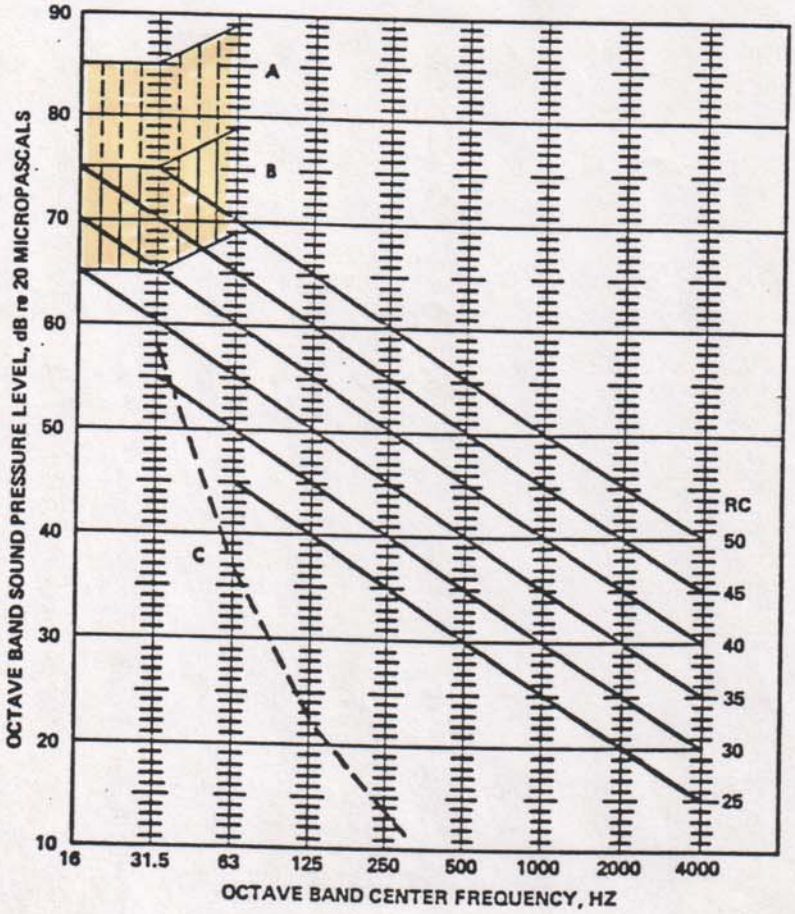
Most commonly used weighting is A weighting





Region A: High probability that noise-induced vibration levels in lightweight wall and ceiling constructions will be clearly feelable; anticipate audible rattles in light fixtures, doors, windows, etc.
Region B: Noise-induced vibration levels in lightweight wall and ceiling constructions may be moderately feelable; slight possibility of rattles in light fixtures, doors, windows, etc.
Region C: Below threshold of hearing for continuous noise.

RC (Room Criterion) Curves for Specifying Design Level in Terms of a Balanced Spectrum Shape

RC:
- NOT FEASIBLE FOR DESIGN
- GOOD FOR CA ASSESSMENT
- ☐ LOW FREQUENY RULE-OF-THUMB, STAY BELOW 70dB @ 16, 31.5, 63 Hz.

Acoustic Problems are SYSTEM Problems

- Selecting a quiet unit from a catalog does not ensure a quiet job
- Other elements must be considered such as:
  - Ductwork
  - Roof curb/isolators
  - Structural roof support
- Units should be placed over stiff structural support areas and vibration isolator-type roof curbs should be used

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SPACE LAYOUT CONSIDERATIONS