

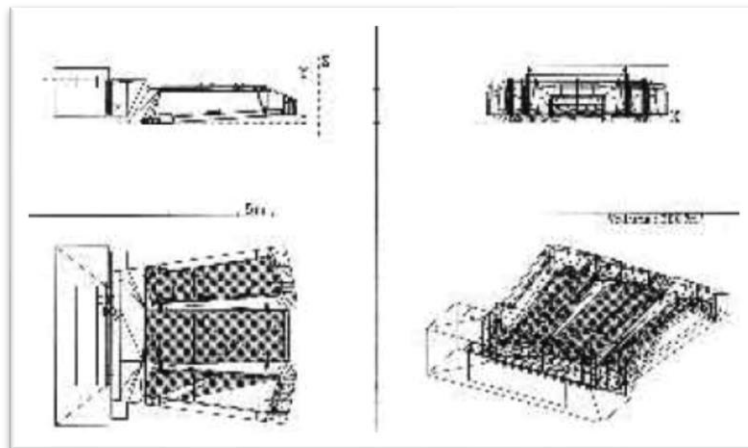
## Case Studies –School Auditorium

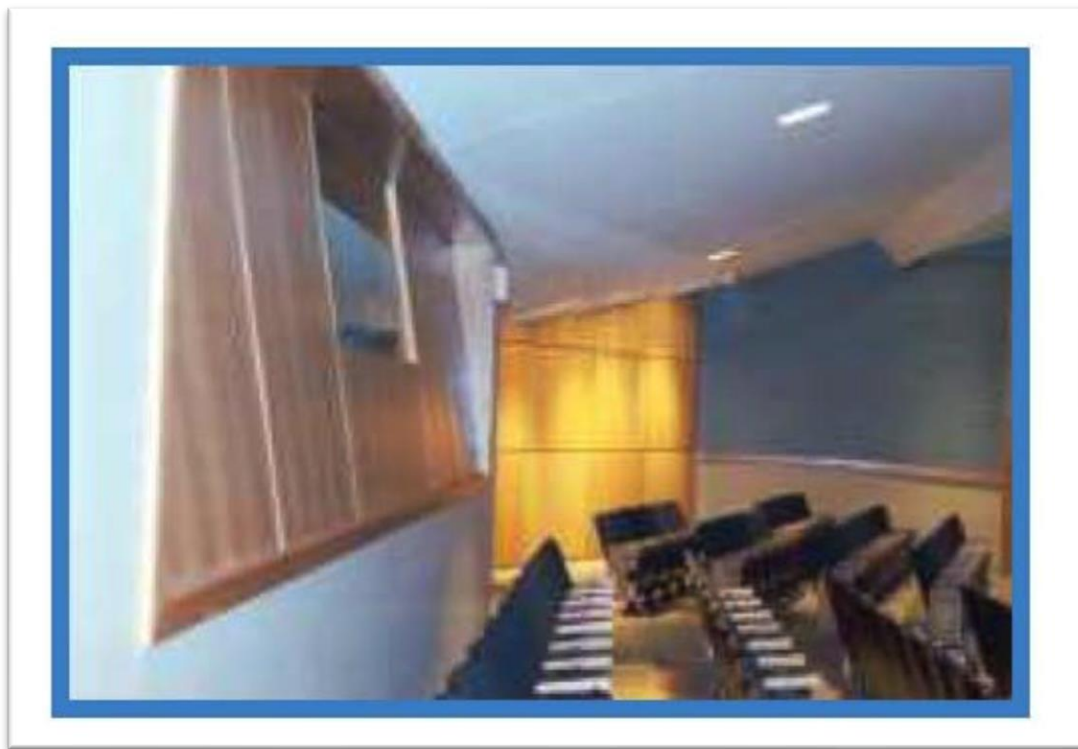
- Renovation of 1950’s building
- Poor acoustical coverage of audience
- Very high mechanical system noise
- Could not use HVAC during rehearsals!

Goal is to make equipment acceptable to occupants

### School Auditorium

- Many constraints on silencer design
- Large custom silencers ~20% of project
- Developed a workshop demonstration for Comm –with and without silencers (virtual soundwalk)

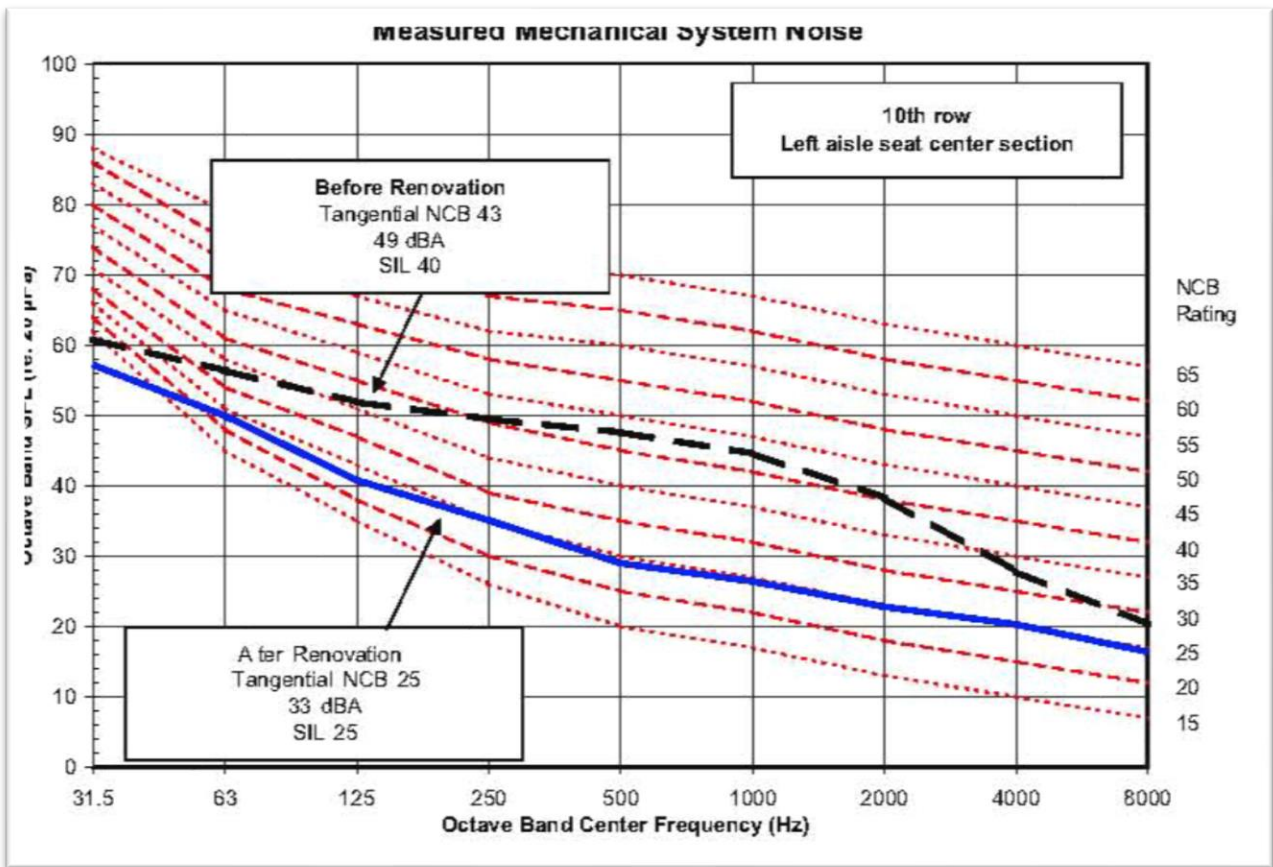




School Auditorium

After hearing the workshop demonstration the Building Committee voted to keep the silencers in the project !!

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## Conclusions

Use Acoustical Techniques (ST) to define noise control project goals

Use ST suited to project context

Project goals provide better sonic environment to satisfy community and user requirements