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## A well-designed acoustic environment goes unnoticed by its users.

In a recent survey, over 1/3 of office employees said they were very disturbed by noise.



Building interiors are designed with four criteria in mind. First and most important, the interior must provide for the health and safety of the occupant. Second, the interior must enhance the performance of the occupant in whatever function the space is designed for. Next, the space is designed to keep the occupant comfortable. Last, the interior is designed to be aesthetically pleasing.

The successful architect meets these four criteria by controlling the environmental factors of space, light,

heat, ventilation and sound. Technology has evolved to the point that the architect now teams up with specialists in these areas. Interior planners are consulted to optimize space and lighting. HVAC specialists are called to design for the proper heat and ventilation environments. The acoustic engineer is called upon to assure that the acoustic

**"...sounds and noises from sources in real life can have emotion-arousing meanings that create psychological and physiological stresses that can have adverse effects on work performance."**

**- NASA Reference Publication 1115**

environment is correct.

Far from the old practice of simply throwing down carpet and putting up acoustic ceilings, KJWW's Acoustics Group has the tools and expert knowledge to optimize interiors for speech privacy, noise reduction and speech intelligibility.

When spaces are being designed to house noise-producing machines, we can make certain that the noise levels are controlled to fall well ...

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**KJWW Engineering Consultants**  
**Acoustics Group**  
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Using modern computer modeling and analysis borrowed from US Navy sonar technology, KJWW's Acoustics Group can predict the quality of acoustics in both new construction and remodeled buildings. State of the art "acoustic virtual reality" even allows you to hear what your architectural space will sound like!

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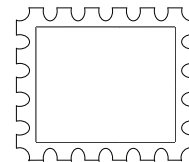
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- Time Warner Telecom
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- Curtis Recording Studios
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