



Architectural Soundscapes

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ABSTRACT

This paper describes seven elements of soundscape theory that can be applied to the design of architectural spaces including worship spaces, music education spaces, justice facilities, museums, performing arts centers, libraries, restaurants and schools. The paper is focused on the transformative steps that must be taken to translate soundscape data and analysis into the physical form of a building where sound is conceived of as a generator of form and is not necessarily a result of the form. Case studies of recent research and architectural studio classes involved with the design of performing arts facilities will be presented to illustrate how sound can become a part of the conceptual structure of buildings in addition to one of the functions to be accommodated in buildings. The concept of a sonic niche in location, time, level, pitch and form becoming a tangible architectural intervention in a building is explored as one way to translate soundscape theory into architectural space.