



Breadth 1: Acoustical Analysis

The theatre space in the Woolly Mammoth Theatre is the most important space to the theatre company. This space is where the productions are performed. The acoustical quality of the environment must be top quality. An analysis will be carried out of reverberation times. Currently there are metal acoustical baffle panels along the balcony level back wall. This solution will be analyzed and alternate solutions will be provided if necessary.

Breadth 2: Mechanical Analysis

The existing heating system in the Woolly Mammoth Theatre is a forced air electric heating system. For this breadth, a study on hydronic heating systems will be carried out. The advantages of hydronic systems over forced air systems will be researched. Then the equipment necessary for a new hydronic system will be sized and priced. Using previous electrical bills from the theatre, a cost analysis will be done and a payback period of the new system will be found.