

THE PLAYERS THEATRE

SARASOTA, FLORIDA

ACOUSTIC CONSULTANT
AUDIO SYSTEM DESIGN
OWNER
ARCHITECT
MECHANICAL ENGINEER
CONSTRUCTION COST
COMPLETION DATE

Siebein Associates Inc.
Siebein Associates Inc.
The Players Theatre Company
Hoyt Architects
Crawford, William Engineering Inc.
\$ 4,200,000 USD
1999

The Players Theater in Sarasota, Florida is a 500 seat theater used primarily for natural acoustic dramatic performances, amplified "Broadway type" musical performances, one-act plays, stand-up comedy, lectures, films, small music recitals, choral performances and a variety of other community uses. The renovation included a complete gutting of the acoustical envelope of the room including both interior walls and ceiling; new stage house; new air-conditioning system; and complete redesign of the house sound, theatrical lighting and rigging systems. A new lobby and support spaces were also added. The pit was significantly expanded both in depth and width to accommodate supporting music ensembles.

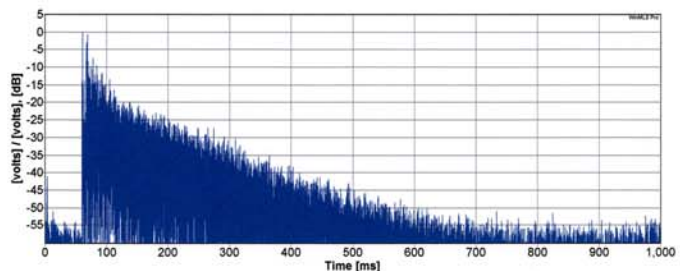
A series of graphic and computer models were used in the design process to refine the acoustical design and provide information to the design team to explain the necessity for many of the acoustic design features used in the room.

There are 5 primary acoustical design features in the room.

1. An acoustical throat was added at the proscenium opening. This consisted of large curved panels over the forestage and curved panels at the sides of the stage designed as primary sound projecting surfaces.
2. There are a series of diffusing panels suspended applied to the side walls.
3. The pit was enlarged in width and depth to accommodate adequate numbers of musicians. The pit has a removable cover so it can be used as a forestage for dramatic productions. Sound diffusing and absorbing treatments were added to the interior surfaces of the pit.
4. The rear wall has acoustical wall panels for echo control.
5. A full-featured sound system was designed for the room to support the wide variety of performance venues that will use the room.

CRITICAL DATA

Seating Capacity	496
Volume	123,000 cu. ft.
Reverberation Time - unoccupied	
Mid-Frequency	.85 - .95 sec.
Noise Level	NC - 25



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