



## Outdoor Performance Venues

### Blossom Music Center

Cuyahoga Falls, Ohio

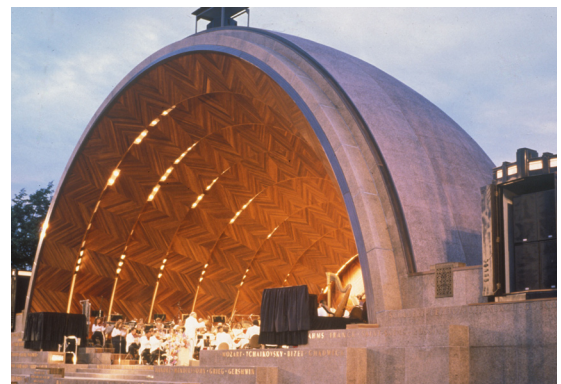
When the Cleveland Orchestra decided to create a summer music festival and conservatory, JaffeHolden assisted the organization in selecting a quiet wooded site removed from airline routes and highway traffic, then developed an acoustic design that gives the pavilion a vibrant concert-hall ambiance. Working closely with the architect, JaffeHolden designers specified the extensive use of wood in the stage shell and pavilion roof, lending the interior a warm, rich acoustical character.



### Hatch Memorial Shell

Boston, Massachusetts

Extensive renovations transformed the landmarked Hatch Shell, originally constructed in the 1940s, into a state-of-the-art outdoor performance hall. Acoustic aspects of the project included replacement of the old speaker-cluster with bronze, Art Deco-style speaker enclosures that flank the stage and the installation of cable paths and power boxes that eliminate the need to run cables across the grounds. The Hatch Shell's new sound captivates the crowds of up to 400,000 who regularly gather for summertime Boston Pops concerts and other performances.



### Carlos Moseley Pavilion

New York, New York

The sometimes hectic summer performance schedules of the New York Philharmonic and Metropolitan Opera determined the design of this portable performance structure, which can be packed up, transported, and reassembled at another location in under 16 hours. To meet the challenge, JaffeHolden designers developed a set of 24 battery-powered, wireless speaker towers—each 15 feet high—that can be distributed throughout the audience. Sound is balanced, on stage, by a tensile membrane roof and wood reflector panels.



### New Concord Pavilion

Concord, California

Located near San Francisco, the Concord Pavilion underwent extensive renovation to expand under-cover seating to 6,500, create lawn space to accommodate an additional 6,000 concertgoers, and modify the proscenium/ thrust stage to serve the needs of touring Broadway shows, rock bands, and other popular entertainers. Redesign of the roof enclosure and berm addressed community noise concerns.

