

CASE STUDY

WASHBURN UNIVERSITY'S LEE ARENA, TOPEKA, KANSAS

FLEXIBLE AUDIO FOR A MULTI-PURPOSE ARENA

April 2016

About the Facility

Home to the Washburn University Ichabods' basketball teams and women's volleyball team, Lee Arena is a 4,150-seat indoor sports venue that draws some of the largest crowds in NCAA Division II.

Along with basketball and volleyball games, Lee Arena hosts graduations and other non-sporting events using a stage in the arena's center or at end court. This functional versatility, along with the university's desire for both clear voice announcements and high musical sound quality, provided challenges for the audio system design.



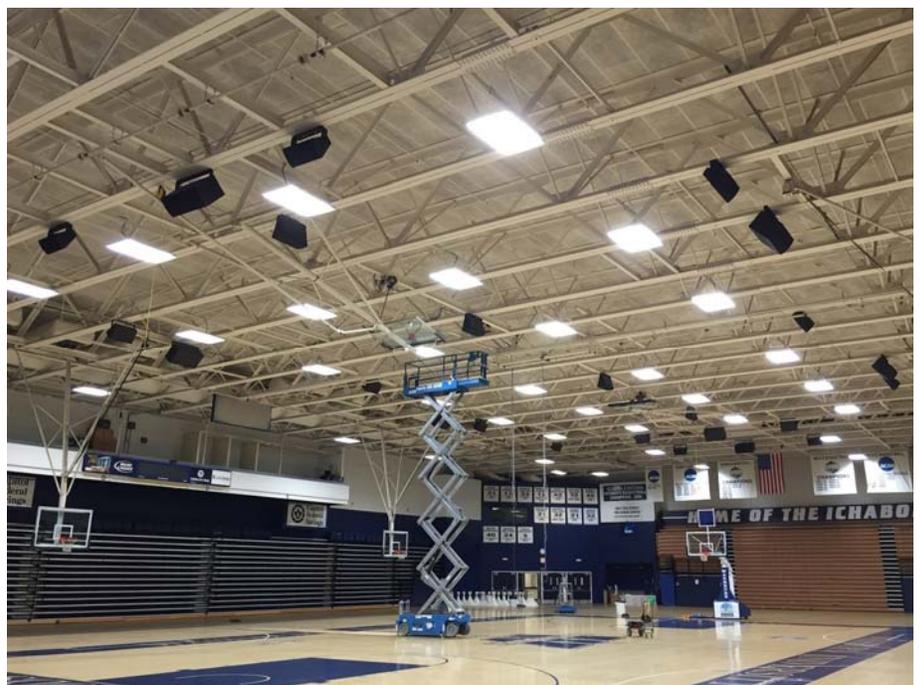
The Sound System

To meet these challenges, integrator Monty Ehrlich of Sound Products, Inc. in Topeka, Kansas designed a distributed system using Community's I SERIES loudspeakers.

The system is divided into several zones covering the bleachers and floor areas. Each zone has its own level adjustment, delay and equalization to maintain consistent coverage and sound quality throughout the arena.

For non-sporting events, presets in the Ashly DSP adjust delay, level and EQ in each zone for different stage locations and event types.

The I SERIES loudspeakers are powered by Ashly and Crown amplifiers.



The Sound System (CONTINUED)

The new sound system helps create an exciting experience for Ichabods sports fans by providing high-quality, full-range audio with ample level to overcome crowd noise and excellent voice clarity for play-by-play announcements.

For non-sporting events, the system provides even coverage for different audience configurations along with excellent voice intelligibility.

Sound Products, Inc. also provided audio coverage in the overflow “Ichabod Room” using Community D5 ceiling loudspeakers.

The system provides excellent gain before feedback and meets the university’s goals for clear voice announcements and high musical sound quality.



The Loudspeakers

I SERIES Point Source loudspeakers provide exceptional acoustic performance, modular flexibility and elegant aesthetics for modern performance venues. I SERIES includes a wide variety of point-source, compact and high-directivity models. Options include a comprehensive selection of exclusive BalancePoint™ Flyware bracket systems, custom color and weather-resistance.



I SERIES with BalancePoint™ Flyware

D SERIES is a family of high-performance, architecturally-styled ceiling, surface mount and pendant systems. D SERIES loudspeakers feature “uniform voicing” crossovers to ensure consistent sound quality from model to model. All ceiling models include Community’s exclusive “Drop-Stop” and “Twist-Assist” features for simple, fast installation.



D SERIES Loudspeaker Family

Equipment Highlights

- Community I SERIES: fourteen IP8-1122/99, six IP8-1122/96 and seven IS8-215 loudspeakers
- Community D SERIES: four D5 ceiling loudspeakers
- Ashly Protea DSP; Ashly and Crown amplifiers; Roland digital mixer; Shure wired and wireless microphones

Download our Individual Model Spec Sheets from
www.communitypro.com