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MASQUE SOUND'S CUSTOM AV INSTALLATION PACKAGE EARNS STRAIGHT A'S AT THE MORGAN SCHOOL

Newly Constructed Building Boasts Latest Tech in Auditorium, Gym and Lobby

CLINTON, CT, FEBRUARY 28, 2017 – When officials in Clinton, Connecticut determined that a renovation on the area's aging public high school, **The Morgan School**, would cost more than a rebuild, a new 140,000-square-foot building was constructed. Officials relied on Jaffe Holden Acoustics Inc. and [Masque Sound](#), a leading theatrical sound reinforcement and installation company, to design and outfit the school's auditorium, gym and lobby with the latest AV technology to meet today's standards.

"The Morgan School has a long-standing tradition of musical theatre performances, so when we constructed the new building, it was important to keep the tradition of live events at the new auditorium," says Raymond Smith, Band Director and Technical Director at The Morgan School. "Ben Bausher at Jaffe Holden spec'd out great components for the system and Masque Sound did an amazing job on the delivery and install. The installation included high-quality audio and video equipment that looks and sounds wonderful and fit within our budget."

The new school boasts what is referred to as a 'hub' – a gathering area, floor-to-ceiling windows in the second- and third-story classrooms, a 210-seat open food-court-style cafeteria, as well as a learning commons / library. The installed system at The Morgan School's main auditorium features both audio and video solutions, while the gym and lobby portions of the project are comprised of small independent audio-only systems.

The main auditorium system is comprised of a Bose® RoomMatch® System, which utilizes selected coverage pattern line-array modules to avoid unwanted reflections from walls and other surfaces. The system is made up of left, right and center arrays with subs at the top. Fill speaker zones consist of front fills, under balcony and over balcony speakers. All amplifiers derive their signal via Dante™ from the Symetrix DSP.

The installed infrastructure provides interconnectivity throughout the auditorium for audio, video, data and speaker signals. Custom panels are located on the stage, in the catwalk and throughout the auditorium. These panels allow for the ultimate flexibility of the system as a whole.

A Draper® Paragon series projection screen was installed, allowing for a 16:9 aspect ratio, while a Panasonic PT-DW17KU projector and ET-D75LE20 lens handle the projection duties. The two- or four-lamp modes on the projector are controlled by a Crestron control system as well as the power mode of the projector.

"The auditorium allows both a skilled and non-skilled operator to use the system via the Crestron control system," says Ben Bausher, CTS, senior consultant, audio & video systems group, Jaffe Holden. "The skilled operator simply has access to more control of the audio system with the addition of the Midas M32 console to the signal flow. While the non-skilled operator has limited access to control parameters, they can control both video switching and the levels of several microphone inputs. Overall,

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the system is able to be utilized for events ranging from a single speaker on stage to a full-scale concerts and musicals.”

The gym and lobby spaces feature multiple speaker zones, wireless microphones, assisted listening systems and custom input panels. Both are made up of Symetrix DSP, Lab.gruppen amplifiers and Shure® wireless systems. While the gym utilizes Fulcrum Acoustic® speakers, the lobby uses JBL® ceiling speakers. These systems use Symetrix ARC-2e remote controls to allow end user control of aspects of the audio system.

“I was instrumental in designing the system at the old school some 30 years ago, so this project was very near and dear to my heart,” adds Smith. “I can honestly say, the new system is spectacular. It’s using state-of-the-art, flexible technology that can easily be operated by the non-professional user. It’s a great design and both Jaffe Holden and Masque Sound did a wonderful job. The system is top notch all the way.”

About Masque Sound

Founded in 1936 by a trio of Broadway stagehands, Masque Sound evolved into one of NYC’s most successful theatrical sound reinforcement, installation and design companies specializing in theatrical, house of worship, sporting, corporate, TV broadcast and live concert events. Celebrating more than 75 years in the industry, the company is led by President Geoff Shearing. The company also operates Florida-based Professional Wireless Systems, a leader in the development and implementation of wireless technology. Credits range from major Broadway shows and tours including Phantom of the Opera, MAMMA MIA!, Lion King, Jersey Boys, The Book of Mormon, Once, Kinky Boots, Aladdin and Fun Home to yearly Super Bowl broadcasts and installations of varying sizes, including Western Connecticut State University, the Jim Wise Theatre at the New Jersey Institute of Technology (NJIT) and the historic St. Patrick's Cathedral. Masque Sound’s 70,000 sq. ft. corporate headquarters and main assembly facility is located at 21 East Union Ave., East Rutherford, NJ, 20 minutes from midtown Manhattan. For more information, call (201) 939-8666 or visit www.MasqueSound.com.

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