

## **Township Auditorium sound system**

### **SPEAKERS-**

Nexo GEO-S8 line array speaker system in a left right stereo configuration with 9 Nexo Geo-S805 speakers per side and 2 Nexo Geo-S830 downfill boxes per side. These are hung in a permanent fashion to the left and right of the proscenium. This will easily cover the entire house from floor to 2<sup>nd</sup> balcony and is powerful enough for all speech events and moderate musical events even for a full house.

4 Nexo CD12 hypercardioid subwoofers will complement the system and will be stacked on stage 2 per side for bass enhancement to the system. Because these subwoofers are directional excess bass on stage will not be an issue. The system is run in true stereo.

4 Nexo PS8 speakers will be used as outfill speakers for 1<sup>st</sup> and 2<sup>nd</sup> level balcony seating that are close to the stage. Delayed to main line array.

30 Atlas Soundolier F138T series speakers cover the downstairs areas, dressing rooms and backstage areas.

### **STAGE MONITORS-**

4 Yamaha SM-12V floor monitors that can be used on 4 different monitor mixes.

### **AUDIO MIXER-**

A Yamaha LS-916 16 channel audio mixer can be run from a stage left mix position, a center house mix position behind the first section of seating and a back of house mix position that is behind the raised seating on the floor. Mixer connection is made with standard Whirlwind W4 Mass connectors and should accommodate touring system mixers using the same connections if another mixer using W4 Mass connectors.

### **AUTOMATIC MIC MIXING-**

Up to 8 microphones can be used on stage using the automated mic mixing function designed into the system. Volume control for these mics will be handled in the control system panels.

### **CRESTRON CONTROL-**

A fully functional Crestron control system will allow simple control of sound system functions, routing, paging, automatic mic mixing levels and other needed system adjustments. Control panels are located in strategic locations.

### **SYSTEM AMPLIFIERS AND DSP CONTROL-**

All system amplifiers are Yamaha Tn series and XP series amplifiers. Sound system processing is Yamaha DME64 system.

### **INTERCOM SYSTEM-**

Clear Com RM-702 remote station / 6 Clear Com RS-601 belt packs / 6 AKG HSD 271 headsets.

### **MICROPHONES AND WIRELESS MICS-**

4 Shure SLX24/SM58 wireless handheld mic systems- 4 SLX1 belt packs to be used in place of the handheld mics. 2 Shure WL185 lapel mics and 2 Da-Cappo DA12AE ear mounted mics are available to be used with the belt packs.

4 Shure SM58 wired mics.

4 Equation Audio F20 large diaphragm mics for choir, acoustic instruments, orchestra.

4 equation Audio CMI-103 mini condenser mics

12 Boom mic stands

4 Radial Pro Direct interface boxes

**PLAYERS AND RECORDERS-**

1 Tascam CD-01U-Pro CD player

1 Tascam HD-R1 hard disc recorder

**ASSISTED LISTENING SYSTEM**

Listen technologies LT-800 series hearing assist system with 24 LR-400 series wireless receivers