

TROY SAVING BANK MUSIC HALL – HOUSE TECHNICAL SPECIFICATIONS

A note to Production/Tour Managers regarding the Troy Savings Bank Music Hall:

The Troy Savings Bank Music Hall is regarded as one of the most acoustically sensitive venues ever built. The reflective surfaces, high domed ceiling and band shell design provide a naturally amplified, long reverberation creating a lush and warm sound for light ensembles and classical concerts without the need for any sound reinforcement. The use of sound reinforcement requires a skilled and restrained approach in order to showcase artists to their best advantage.

The Troy Savings Bank Music Hall has adjustable and removable sound control baffles, curtains and a digitally controlled sound system custom designed for the Hall. This combination reduces reflections resulting in better clarity and articulation. An EV X-Array system combining left and right vertical arrays with delayed fill cabinets deliver balanced coverage to all seating areas. This stereo configuration is augmented by eight front fill cabinets driven by a mono fader, summed left plus right.

Visiting Sound Engineers are encouraged to take special notice of the natural acoustics of the Hall before assuming standard sound reinforcement techniques would be effective. We hope you respect and appreciate the sensitivity and special nature of the Troy Savings Bank Music Hall.

The stage is an exposed thrust approximately 65' wide and average 18' deep. There is a curved acoustic cover on the upstage wall which extends approximately 5' 6" over the stage and is at a maximum trim height of 14'. There is no grid or fly loft so no additional rigging is possible, no backdrops, cycs etc. The house enforces a 95db (c weighted) SPL limit. There is no power available for additional lighting rentals. Smoke, haze and pyrotechnics are not permitted in the hall.

Sound System Specifications [revised 2016]

Inventory subject to change

FOH LOUDSPEAKERS

- 2 Electro Voice Xi-2153A/64F Main left and right speakers flown above stage
- 2 Electro Voice Fri+ 122/64 Lower fill speakers wall mounted left and right
- 2 Electro Voice Fri+ 122/64 Balcony left and right flown from ceiling
- 8 Electro Voice Xi-1082 - NL2 Front fill placed on stage
- 2 QSC KW181 Active 18" Subwoofers (Aux Fed) on stage left and right

FOH DRIVE & AMPLIFICATION

- 1 Klark Teknik - DN360B Stereo EQ
- 6 Electro Voice P3000 Power Amplifiers

FOH CONSOLE & EQ

- DigiCo SD9 Digital Mixing System
- Upto 64 inputs, 16 outputs, Frontfills & ALS fed by Matrix, Aux Fed Sub
- 1 Klark Teknik DN 360B Stereo 1/3 Octave F.O.H. EQ (for mains, balcony & gallery zones)
- 1 Rane Mojo MQ302S Stereo 1/3 Octave EQ for Front Fills

FOH PROCESSING & INPUT

DYNAMICS PROCESSING

- 4 Channels of insertable compression KT DN 504 PLUS
- 4 Channels of insertable gates KT DN 514 PLUS
- 4 Channels insertable gates or compression KT Square One

REVERB/DELAY/EFFECTS

- Lexicon MPX 1, Lexicon MPX550
- CD/R – CASSETTE Recorder TASCAM CC-222

MONITOR SYSTEM

Allen & Heath GLD 112

28 fader strips in 4 layers

48 input processing channels

8 stereo FX returns

30 configurable buses

20 mix processing channels

24 Mic Preamps

Klark Teknik - DN360B Stereo 1/3 Octave 4 channel EQ

8 Electro Voice speakers FRI-28LMP (2-way passive, 1" HF, 2 8" LF) floor wedges

SIGNAL SNAKE SYSTEM

DigiCo Digital Snake – 64 x 16 MADI

Whirlwind Concert Series

48 input x 8 return Snake to FOH

48CH transformer ISO Split to SR or SL

LIGHTING SYSTEM

Positions:

ON STAGE:

2 light trees: 1 SR, 1 SL w/ 4 PAR 64-med

FOH:

6 Box Booms in Third tier boxes: 3 HR, 3 HL – All Units 2-fered

1st Position/Near Stage/HR & HL – four x ETC Source 4 each side

2nd Position/Middle Box/HR & HL – four x ETC Source 4 each side

3rd Position/Far Box/HR & HL – four x ETC Source 4 each side

MID-STAGE TRUSS:

8 Altman Spectra Par 100w LED

4 High End Systems SolaWash 19 moving LED fixtures

CONTROL:

High End Systems Hedgehog 4

SPOTLIGHT:

Lycian Mini-Arc

2nd Lycian Min Arc available on request

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