

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. K Array Kayman Line Arrays with delayed fill cabinets deliver highly intelligible and balanced coverage to all seating areas. Two aux fed K Array ground stacked double 18" active subwoofers deliver low frequency content. This configuration can be augmented by four front fill cabinets powered in pairs.

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 only very limited power available for additional lighting rentals. Smoke, haze and pyrotechnics are not permitted in the hall.

Sound System Specifications [revised Oct 2020] Inventory subject to change

FOH LOUDSPEAKERS

- 6 K Array Kayman KY102 Main left and right line arrays flown above stage
- 2 K Array Thunder KMT218 Active subwoofers stacked at downstage corners (Aux Fed)
- 2 Electro Voice Fri+ 122/64 Audience side fill speakers wall mounted left and right
- 2 Electro Voice Fri+ 122/64 Gallery fills flown left and right
- 4 Electro Voice Xi-1082 Front fills deployed as needed downstage

FOH DRIVE & AMPLIFICATION

- 8CH K Array Amplification and Processing for Mains, Subs and Front fills
- 4CH QSC PLX Amplification and Ashly Processing for Gallery and Side fills

FOH CONSOLE

- DIGICO SD9 DIGITAL CONSOLE (64in x 32 out)
- 2 – 32x8 DIGICO Digital Snakes (in additional to the analog snake system)

ANALOG FOH PROCESSING & INPUT (Optional)

EQ

- Klark Teknik DN 360B Stereo 1/3 Octave F.O.H. EQ (for mains, balcony & gallery zones)
- Rane Mojo MQ302S Stereo 1/3 Octave EQ for Front Fills

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 MPX50
- CD/R – CASSETTE Recorder TASCAM CC-222

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ANALOG SIGNAL SNAKE SYSTEM

Whirlwind Concert Series

48 input x 8 return Snake to FOH

48CH transformer ISO Split Fanout to SR or SL

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

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

Optional 8CH- Klark Teknik - DN360B Stereo 1/3 Octave Analog EQ

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 – 12CH of Dimmer Available Total – Fixtures are two-fered with physically adjacent fixtures

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

– 36deg Lens 2nd Position/Middle Box/HR & HL – four x ETC

Source 4 each side – 26deg Lens 3rd Position/Far Box/HR & HL –

four x ETC Source 4 each side – 19deg Lens

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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STAGE PLOT

