

FIREFALL

Technical Rider

per advance with Production Manager

PURCHASER SHALL SUPPLY:

- **House Sound System**

Purchaser shall provide the appropriate sound system (both meeting the Artist's specified requirements and suitable for the venue) as well as experienced technicians to set-up, connect, test, and who are fully capable of operating all equipment. The final determination of what will be appropriate shall rest solely with the Artist's representative, after consultation with the Purchaser or representative, and audio company hired.

- 1) A high quality, reliable, properly tuned, time aligned and fully maintained sound system shall cover the entire listening area of the performance, with an evenly distributed pattern (+/- 2db of mix position), capable of maintaining a sustained average sound pressure level of 105 dbA with a balanced frequency response from 30Hz- 16kHz within the listening area.
- 2) Line array systems are preferred by: D&B (Q-Series, J Series); L-Acoustics (K1 or K2), Nexo (Geo T Series), GTO-C12, EV (X-Line, XLC127DVX) JBL (Vertec VT4889, VT4888),
****EAW KF730 systems are NOT acceptable to the Artist due to excessive low-mid stage bleed.**
- 3) Control of the speaker system must be from the FOH position via direct access to the crossovers or using a computer or tablet.
- 4) Center-Fill stage lip speakers are required in all circumstances (Vocal fill) and will be sent via Auxiliary.
- 5) Wide-Fill speakers or 4 main clusters (R L R L) are required for wide seating venues.
- 6) Delay-Stacks are required for large outdoor shows.
- 7) Sub Woofers – Sub-woofers are used on an Auxiliary send, NOT from L/R. Using a proven method for cardioid sub arrays is highly desired. Artist desires a full sound, so please supply more-than-adequate sub-speakers and power. DO NOT locate sub-woofers across the front center of the stage. If so the Artist will ask the sub woofers be relocated. Preferred location is flown and dropped to ground, or ground stacked under, or just outside, of left and right speaker clusters.
- 8) The front of house mix position shall be located out front (10% off-dead-center), within the prime listening area of the Artist's performance, with a clear sight facing the stage of the Artist's performance, elevated a maximum of 12 inches. Final determination for the location and elevation of the house mix position will be determined by the Artist's representative, up to and including the day of the performance. Artist representative expects the front of house position and the lighting system console position to be located beside each other.

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9) Drive Processing

Speaker systems will be processed using Lake (preferred), QSys, Klark Teknik Helix, XTA, or BSS digital. All speaker system equalization and time alignment shall be made in accordance with the manufactures current specification. Additional processor settings shall be readily accessible to the Artist's representative from the FOH mix position. System equalization will be readily available to the Artist's representative for all speaker systems (Mains, Subs, Delays, Center, Wide Fills, etc.) This will be via parametric filter layers within the speaker processor (preferred when tablet computer control exists).

- **Misc. Items:**

4 x open 115 VAC courtesy outlets at FOH position

Stereo 1/8" phono jack cable connected to console suitable for iPhone w/case (small 1/8" jack body).

Talkback SM-58 mic w/switch and 50ft cable at FOH Console. Aux to monitor console for talkback.

**Engineers require time with consoles at both FOH and Monitors for activities such as loading show files and installing additional plugin packages, well-in-advance of line and sound checks.

- **FOH - HOUSE MIXING EQUIPMENT**

(48) Forty Eight Input Channel Minimum, Digital with 8 (Eight) AUX Sends, Left-Right Master Outputs.
Avid Profile or SC48 / Yamaha CL5

- **System Drive / Processors, etc**

One (1) Real Time Analyzer > with Calibrated Microphone One

(1) 1/3 Octave Equalizer for each FOH Zone.

(Left-Right Main Speakers, Additional Equalizers for any other Speaker Fill)

One (1) Two-Way Communication System with Headsets from FOH to Monitor Mixing

**All Crossovers, Processors, EQ, Limiting, 1/8" Stereo Plug for I-Pod to FOH Console, must be located at the FOH position.

- **Monitor Console**

(48) Forty Eight Input Channel Minimum with COMPETENT monitor engineer who is WELL VERSED in the console menus and ergonomics.

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- **Monitor System and Stage Sound Equipment**

Sixteen (16) mixes available in total.

Ten (10) Stage wedges in total should be available not including Cue wedge or Drum fill Eight (8) 1/3 octave EQ per monitor speaker mix - in console or outboard as required Bi-amped monitor wedge speaker cabinets as required.

Six (6) short monitor jumpers (3-6ft)

One (1) Drum Sub (2,000 Watt 18", such as JBL VTX F18S) plus 2 way active tops

Three (3) High Quality (Shure UHF, Sennheiser G4) In Ear transmitters and receiver packs with stage antenna system

When applicable - Left/Right downstage side fills on separate mixes, tri-amped (2 x Subs + 2 x 2 way active tops).

- **Monitor Console Position**

Shall be set-up in accordance with results of prior consultation between the sound company and the Artist's representative, up to and including the day of the Artist's performance.

- **Cables, Stands, Connections and other Requirements**

The sound company hired must provide all patch cable, microphone cable, microphone stands, clips adapters, power cables, direct boxes, tall, medium and short tri-pod boom stands, XLR Stage Sub-Snakes as needed and other such items, related to their sound system with extras ready, to repair or replace all requirements.

Extra mic stands, microphones and DI boxes are required. Please provide enough quality mic stands to meet the needs of all mic positions. Please see Plot and Input List for details.

Purchaser or Purchaser's representative also needs to be aware, that the sound company hired is expected to meet the monitor needs and requirements of any and all other concurrent performance(s), beyond and in addition to, the requirements of the Artist's band and crew, appearing upon the same stage and occurring before or after the Artist's performance, on the same day. (re: opening act(s))

- **Backline**

See attached backline requirements to be advanced with artist representative **NO LATER THAN 3 WEEKS** prior to performance date.

**Grounded AC Quad boxes for stage equipment, each connected to a dedicated 115 VAC circuit breaker, connected into the same power distribution system supplying AC and grounding for the Monitor and Sound System.

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- **Lighting**

Please consult with Artist's Representative. The following are guidelines for a House lighting system: one (1) console should be a current model Digital Lighting Console and in good repair, e.g. one (1) VN5P upstage 40' Thomas truss pre rig 24x30 LED pars one (1) downstage 40' Thomas truss pre rig 24x30 LED pars six (6) Mac 2000, split upstage and downstage station communication system (lighting director and spotlight operators) two (2) Spotlights with operators - per venue size TBD by TM at advance.

Optional - two (2) two df-50 hazers indoor or two f-100 's outdoor and 3-speed fans no oil based smoke machines

A **competent lighting director knowledgeable of the music of the bands will be needed for the show.

PURCHASER AGREES TO ADVANCE ALL PRODUCTION, BACKLINE, AND TECHNICAL REQUIREMENTS FOR THE SHOW NO LATER THAN THREE (3) WEEKS PRIOR TO PERFORMANCE!

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HOSPITALITY LIST Buyout preferred

To be ready at band arrival time

(Please have trash can in dressing room and bathroom)

- ~~Deli Tray with Turkey, Tuna, Ham or Roast Beef and Vegetarian (for 6 people)~~
 - ~~MUST STAY REFRIGERATED THROUGHOUT DAY~~
- ~~White & Sourdough Bread 8-10 slices each~~
- ~~Mustard / Mayo / Salt / Pepper / Condiments~~
- ~~Small veggie plate and fruit~~
- ~~Assorted cheeses (spreadable and / or cut cracker size)~~
- ~~1 Box Crackers (Wheat Thins / Triscuit)~~
- Electric toaster or toaster oven for bread if available
- Six pack of Red Bull
- 12 Assorted fruit juices
- 12 Assorted Coke and Diet Coke
- 1 six pack Light Pilsner, Craft Wheat or Bud Light
- 2 Bottles Kendall Jackson Chardonnay
- 2 Bottles Kendall Jackson Cabernet
- 1 Bottle Union Mescal
- 2 pots of coffee, 1 decaf, 1 regular light roast - Cream / Sugar / Cups
- 3 cases of water
- Package of Solo Red Cups
- 12 clean towels

Ready for predetermined time after soundcheck

- ~~Catered hot meal for SIX (6) people including green salad, Chicken, Fish, or Pasta main course, vegetable, and dessert. OR \$35 buy out per person.~~



BACKLINE

1 quality DW drum kit Consisting of: (Pearl, or Yamaha for substitutes)

1 18" x 22" Kick Drum

2 Snare Stands

2 6" x 14" Snare Drums - one wood, one metal (Black Beauty) with NEW Coated Ambassador head (1 Spare)

1 12" Rack Tom

1 16" x 16" Floor Tom on legs

1 20" Medium Ride Cymbal

1 16" Med Thin Crash Cymbal

2 18" Med Thin Crash Cymbal

1 Pair 14" A Custom Hi-Hat Cymbals

4 Boom Stands

1 Hi-Hat Stand

2 Kick Drum Pedals (1 Spare) DW5000

1 Drum Throne - Hydraulic bicycle seat style

ALL TOMS SHOULD HAVE NEW REMO EMPEROR HEADS ON TOP WITH CLEAR HEADS ON BOTTOM. POWERSTROKE HEAD ON KICK DRUM.

SNARE DRUM SHOULD HAVE REMO COATED AMBASSADOR

ALL CYMBALS TO BE SABIAN AA's, or AAX, OR Zildjian A or K Customs

Bass

- 1 Ampeg SVT Bass Head
- 1 Ampeg 8 x 10 Speaker Cab
- 1 Bass Guitar Stands
- 1 Fender or Music Man 5 string bass

Keyboards

- 1 Heavy Duty Ultimate APEX dual Keyboard (or X-Stand Double Tier)
- 4 Shielded 1/4' Cables - Minimum Length 10 Feet
- 1 Roland RD2000 or Roland RD700
- 1 Nord Stage 3 with Expression / Volume Pedal - MUST BE THE NORD PEDAL TO WORK

Guitars

- 1 Fender '65 Deluxe Reissue Amp (with Spare)
- 1 Roland JC120 amp WITH CONTROL PEDAL
- 2 Takamine LTD92 with active pickup, eq, and VOLUME
 - Strap & Capo & Feedback Buster, 12 Ga strings Lot New 9 Volt Batteries

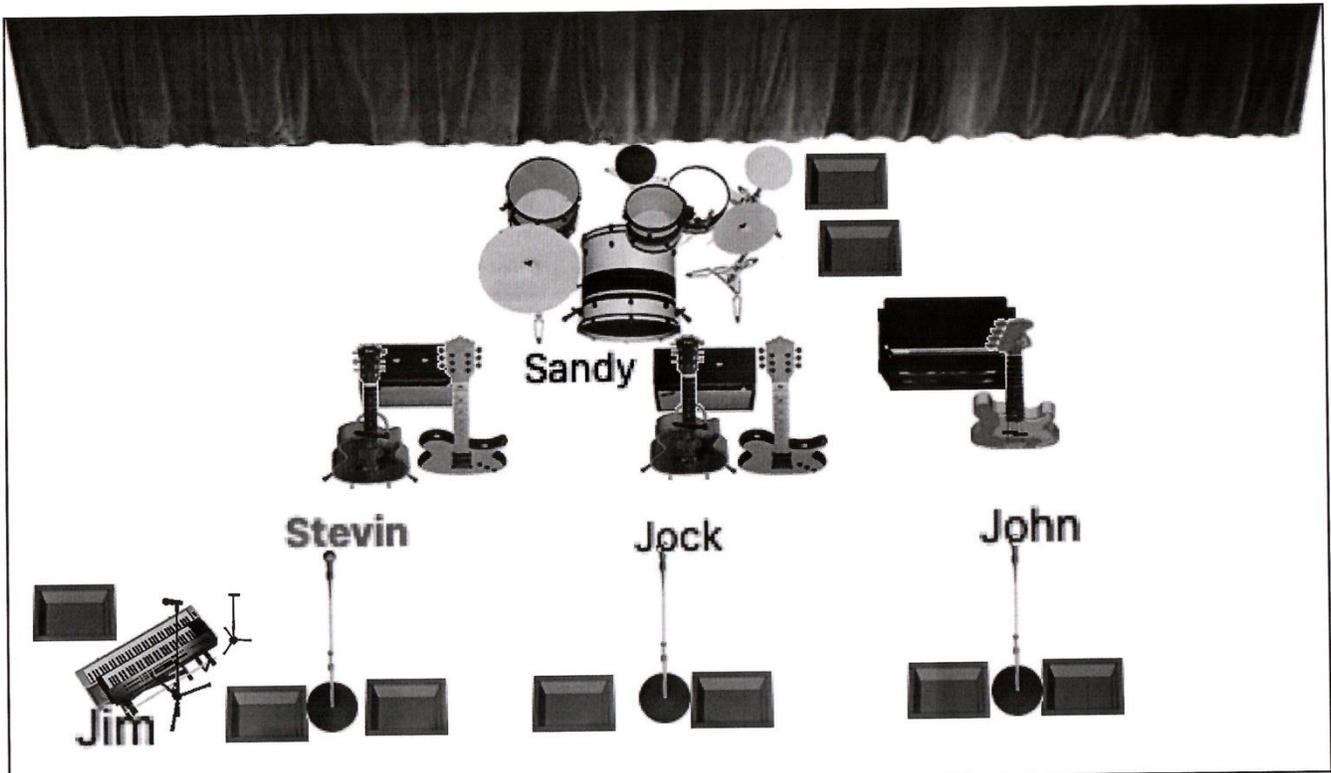
Accessories

- 2 stage fans
- 5 Guitar Stands - Hercules
- 16 Shielded Guitar Cables (*Minimum Length on 10 of them 20 Feet*)**

All power and speaker cables to accompany amps and speakers.

*****PLEASE PROVIDE A COMPETENT BACKLINE TECH FOR THE SHOW*****

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<p>FIREFALL REQUIRES 5 WEDGE MIXES 1 IEM 8X8X6" DRUM RISER</p> <p>1. KICK OUT 2. SNARE TOP 3. SNARE BOTTOM 4. HI HAT 5. RACK</p>	<p>6. FLOOR 7. OH STAGE RT 8. OH STAGE LEFT 9. BASS DI 10. BASS MIC 11. GTR STG RT 12. GTR STG LEFT 13. ACOUSTIC STG RT 14. ACOUSTIC STG LEFT 15. KEYS 1</p>	<p>16. KEYS 2 17. STEVIN VOX SRC 18. JOCK VOX SLC 19. JOHN VOX SL 20. SAX 21. FLUTE</p>	
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