



TECH RIDER 2023- SMALL

FOH Speakers

- Please provide a professional Line array system with proper sub bass to evenly cover all areas venue with adequate headroom and an average SPL of 90-110db. The system will be configured in full stereo, must be in phase and respond evenly from 40 Hz to 16000 Hz. Please make sure system is time aligned and tuned in advance of soundcheck. The PA system must not have any buzzes, hisses, crackles or any other disruptive noises

FOH Console

- Provide digital console capable of having a minimum of 64 inputs, No analog consoles or Yamaha PM5D
- Provide 1- 64 channel Stage Box and proper analog stage split
- Provide appropriate snake from FOH to MON
- 1 switched SM58 for stage talkback
- Provide House engineer if we are not providing one

Monitor Console – We have Monitor engineer/Stage Tech

- Provide console capable of having a minimum of 64 inputs
- Prefer for it to be a AVID Venue S6L -32D / 192 Engine with 7.2 software
- (Any other console must be approved in advance by Sound engineer)
- Provide Qty 2 – Waves Servers if using avid console
- Console must have Waves v14 loaded (we have licenses) and Sooth Live
- Provide Qty 1 – Avid stage 64x32 stage boxes
- Provide Proper 3 way analog split capable of channel counts according to input list
- 1 switched SM58 for stage talkback
- Provide Southe Live plug in on console

Monitors

- Please provide Qty 5- Professional quality wedges per the stage plot (Meyer, L acoustics, etc).
- Please provide side fills / subs per stage plot (or similar coverage) adequate enough to fill the whole stage
- Please provide Qty 2 – Hardwired Shure PH9W IEM packs

Wireless

- Please provide Qty-12 channels of wireless using Shure Axient per the input list
- For wireless Please provide 2 – Shure Beta 98 horn mics and 6 - ¼ inch adaptors
- Please provide Qty-7 PSM1000'S for 14 channels of ears
- Please provide all the proper antenna distribution necessary to make both wireless and ears function properly (no rabbit ears)
- Please make sure proper RF coordination is done prior to soundcheck and checked throughout show by rf tech
- Please provide Earbuds as backup encase one of the musicians didn't bring there's
- Please provide enough AA batteries for soundcheck and show



General Sound Notes

- **Starting at Channel 31 on input list below is the symphony and is used as reference, they can be mic'd as little or as much as the venue and FOH engineer seems necessary, so the symphony is at least audible under pop strings.**
- Please provide mics per the stage input list – similar substitutes are acceptable
- Provide all the necessary xlr cables and stands to support the gig
- Provide 6 – 25 foot ¼ inst cables as backup for strings and 2 -15 foot ¼ inst cables
- Please provide 6' plexi drum shield to surround Drums
- Please provide padded musician chairs for all symphony player
- Popstrings uses ipad stands, symphony players will need music stands per stage plot

Clear Com

- Please provide working com between FOH and Monitors in advance of soundcheck

STAGE MUST BE COMPLETELY PATCHED, TESTED AND GENERAL LEVELS SET IN ALL MIXES BEFORE ARTIST ARRIVAL (NO EXCEPTIONS)

Purchaser signature & Date: _____

INPUT CHANNELS

| Channel | INPUT | MIC | STAND |
|----------------|----------------------|-----------------------|----------------|
| 1 | KICK IN | 91 | |
| 2 | SNARE | SM-57 | MED BOOM |
| 3 | HAT | KM 137 | MED BOOM |
| 4 | RACK 1 | E604 | |
| 5 | RACK 2 | E604 | MED BOOM |
| 6 | FLOOR 1 | E604 | |
| 7 | OH SR | AKG 414 | TALL BOOM |
| 8 | OH SL | AKG 414 | TALL BOOM |
| 9 | ELECTRIC BASS | RADIAL DI | |
| 10 | ELECTRIC GUITAR 1 | E609 | BAR |
| 11 | ACOUSTIC GUITAR | RADIAL DI | |
| 12 | KEYTAR | RADIAL DI | |
| 13 | PIANO LOW | DPA-4099 | MAGNETIC |
| 14 | PIANO HI | DPA-4099 | MAGNETIC |
| 15 | KEYS L | STEREO RADIAL DI | |
| 16 | KEYS R | STEREO RADIAL DI | |
| 17 | DAVIDS TRUMPET | SHURE CLIP ON BETA 98 | WIRELESS RF-5 |
| 18 | TENOR SAX | SHURE CLIP ON BETA 98 | WIRELESS RF-6 |
| 19 | POP VIOLIN 1 | 1/4 INCH ADAPTOR | WIRELESS RF-7 |
| 20 | POP VIOLIN 2 | 1/4 INCH ADAPTOR | WIRELESS RF-8 |
| 21 | POP VIOLIN 3 | 1/4 INCH ADAPTOR | WIRELESS RF-9 |
| 22 | POP VIOLA 1 | 1/4 INCH ADAPTOR | WIRELESS RF-10 |
| 23 | POP CELLO 1 | 1/4 INCH ADAPTOR | WIRELESS RF-11 |
| 24 | POP CELLO 2 | 1/4 INCH ADAPTOR | WIRELESS RF-12 |
| 25 | DAVID ANNOUCEMENT | HANDHELD | WIRELESS RF-4 |
| 26 | LEAD SINGER - FLETCH | HANDHELD | WIRELESS RF-1 |
| 27 | LEAD SINGER - LILY | HANDHELD | WIRELESS RF-2 |
| 28 | GUEST | HANDHELD | WIRELESS RF-3 |
| 29 | GUITAR B-VOCAL | BETA 58 | TALL BOOM |
| 30 | | | |
| 31 | TIMP 1 | SENN 421 | MED BOOM |
| 32 | TIMP 2 | SENN 421 | MED BOOM |
| 33 | CONGA | AKG D-40 / BETA 98 | MED BOOM |
| 34 | CONGA | AKG D-40 / BETA 98 | MED BOOM |
| 35 | BONGO | BETA 98 | MED BOOM |
| 36 | PERC OH | AKG 414 OR SIMILAR | TALL BOOM |
| 37 | PERC OH | AKG 414 OR SIMILAR | TALL BOOM |
| 38 | VIOLIN 1'S AREA | NEUM 184 OR SIMILAR | TALL BOOM |
| 39 | VIOLIN 1'S AREA | NEUM 184 OR SIMILAR | TALL BOOM |

| | | | |
|----|------------------------|---------------------|-----------|
| 40 | VIOLA AREA | NEUM 184 OR SIMILAR | TALL BOOM |
| 41 | VIOLIN 2'S AREA | NEUM 184 OR SIMILAR | TALL BOOM |
| 42 | VIOLIN 2'S AREA | NEUM 184 OR SIMILAR | TALL BOOM |
| 43 | CELLO'S AREA | LARGE DIAHPRAM AKG | TALL BOOM |
| 44 | CELLO'S AREA | LARGE DIAHPRAM AKG | TALL BOOM |
| 45 | UPRIGHT BASS | | MED BOOM |
| 46 | UPRIGHT BASS | | MED BOOM |
| 47 | UPRIGHT BASS DI | RADIAL DI | |
| 48 | FLUTE/PICCOLO AREA MIC | NEUM 184 OR SIMILAR | MED BOOM |
| 49 | OBOE 1 | NEUM 184 OR SIMILAR | MED BOOM |
| 50 | OBOE 2 | NEUM 184 OR SIMILAR | MED BOOM |
| 51 | ALTO SAX | CLIP ON 98 | |
| 52 | BARI SAX | CLIP ON 98 | |
| 53 | CLARINETS AREA | CONDENSER | MED BOOM |
| 54 | BASSOON AREA | CONDENSER | MED BOOM |
| 55 | BASS CLARINET | CONDENSER | MED BOOM |
| 56 | HORNS AREA MIC | LARGE DIAHPRAM | |
| 57 | HORNS AREA MIC | LARGE DIAHPRAM | |
| 58 | | | |
| 59 | | | |
| 60 | | | |
| 61 | | | |
| 62 | | | |
| 63 | | | |
| 64 | | | |

MONITOR CONSOLE LOCAL INPUTS

| Channel | INPUT | MIC | STAND |
|---------|----------------------|-------------|-------|
| 1 | STAGE TALKBACK | SWITCHED 58 | |
| 2 | FOH TALKBACK | SWITCHED 58 | |
| 3 | DAVID TALKBACK TO ME | SWITCHED 58 | |
| 4 | DRUMS TALKBACK TO ME | SWITCHED 58 | |
| 5 | | | |
| 6 | Audience House Right | Shure VP89 | Short |
| 7 | Audience House Left | Shure VP89 | Short |
| 8 | COM - (DRY) | | |

MONITOR CONSOLE LOCAL OUTPUTS

| | | | | |
|----------|------------------|--|---------------|------------------------|
| 1 | QUE WEDGE | | WEDGE | |
| 2 | | | | |
| 3 | QUE PACK | | STEREO | WIRELESS IEM-13 |
| 4 | | | | |
| 5 | | | | |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| | | | | |