



# Technical Rider

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## **1. Accessibility & parking facilities**

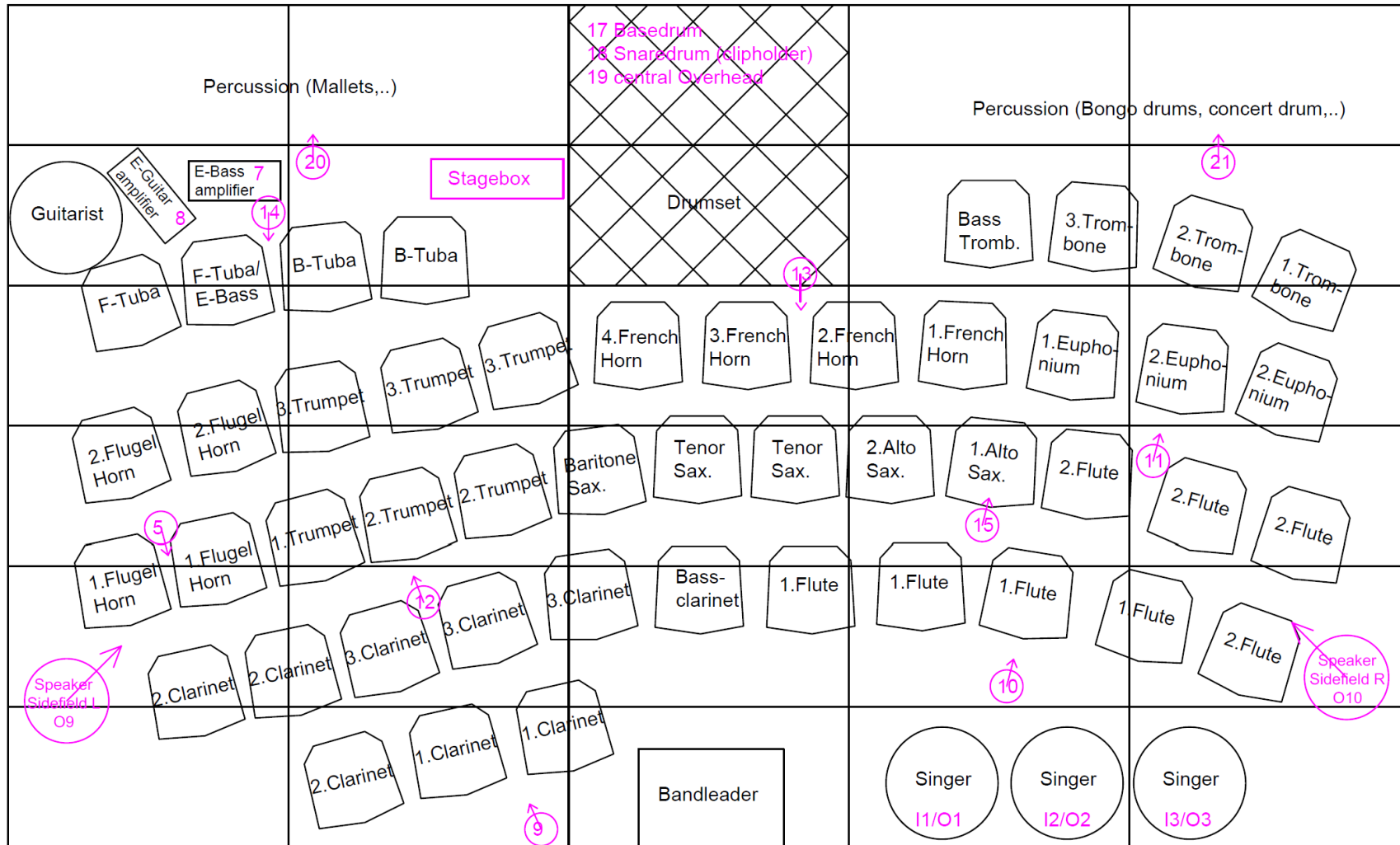
Because, in addition to the instruments, the orchestra also transports the percussion and, if necessary, racks for tripods, music stands and sound equipment, it must be possible to park a vehicle and trailer combination at a maximum distance of 30 metres from the stage, protected against damage.

## **2. space requirements, local situation**

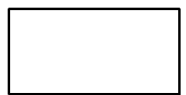
The stage size should be designed for a orchestra of 55 people (including percussion). The minimum stage size is defined with 10m width and 6m depth. At this size there is no space for external racks, loudspeakers, eg.. For the drumset, a drum-riser with ~ 20cm is needed.

Before the orchestra arrives (approx. 2 hours before the start of the performance), one chair per person should already be placed next to (or on) the stage (the positioning will be done by the orchestra).

Please find details in the following stage plan:



Legend:



Stage element 2x1m



Stage element 2x1m, rised up 20cm (Drumriser)



chair



standing - position



microphone- position with alignment and input channel number

### **3. required power connection on stage**

At the position of the stage box (see stage plan from chapt. 2, left beside the drumriser) a power connection Type F (European socket) for the band own PA and some instruments is necessary.

The MCB fuse (all sockets together) should be fitted with a C13 or C16 circuit breaker and no other devices should be connected to this circuit. This fuse not contains the power connection for external loudspeakers oder stage lights.

### **4. requirements if using organiser's sound system, stage microphones, mixing consol and sound engineer from orchestra**

#### **4.1 requirements FOH (front of house) place and necessary external cabling**

A FOH place for the sound engineer + mixing console must be provided approx. 20-30m in front of the stage, at least 3x2m and 0.5m higher and secured to prevent manipulation/damage by the area around it.

A Type F power connection (European socket) must be provided at the FOH place for the power supply of the mixing console (the supply can be connected to the same fuse as the power connection on the stage).

In addition, a CAT5 network cable (or higher quality), preferably with Ethercon connectors, is required from the mixing console at the FOH place to the stagebox on the stage see stage plan at chapt. 2. Care must be taken to lay the cable properly to avoid external damage (cable bridges or laying above the range).

If a written request is made in plenty of time ([kontakt@tmk-poendorf.at](mailto:kontakt@tmk-poendorf.at)), the cabling from stage to FOH Place can be carried out by TMK, if the necessary tools (ladders, etc.) are provided.

## 4.2 connection to the external sound system

4x XLR outputs are available either on the stage box (on the stage, see stage plan in chap. 2, left beside the drum riser) or at the mixing console located at the FOH place):

- Main L (Out7)

Mixing output left for the PA directly in front of the stage

- Main R (Out8)

Mixing output right for the PA directly in front of the stage

- Delay L (Out5)

Mixing output for the delay line(s) (output without time delay) left sided

- Delay R (Out6)

Mixing output for the delay line(s) (output without time delay) right sided

Because a separate mix is created for the delay line(s), the delay line(s) must be controlled separately via the given outputs. Optionally, the delay line can also be controlled mono.

## **5. requirements if using a complete sound system provided by the organiser (also stage microphones and sound engineer provided by the organiser)**

The sound engineer must be present for the entire duration of the performance. Sufficient time must be scheduled for the sound check to set up also the monitoring (4x monitor channel, sidefields).

### **5.1 microphone setup**

In principle, microphones can be used at the discretion of the sound engineer depending on the circumstances (environment, size, event).

A **minimum specification** of the TMK is shown in the stage plan in chapter 2, the microphones shown are listed below:

**4x large-diaphragm microphones** (IN11 Euphonium+ Trombone, IN12 Trumpet+ Flugelhorn, IN13 French Horn, IN14 Tubas)

AKG C214 or Austrian Audio OC16 or comparable

**2x directional microphone** (IN9 Clarinets, IN10 Flutes)

Shure MX418 or comparable

#### **Percussion microphones**

1x Audix D6 or comparable for Basedrum (IN17)

1x Audix i5 with clamp or comparable for Snare Drum (IN18)

1x Austrian Audio CC8 or comparable for central Overhead Drumset (IN19)

1x Austrian Audio CC8 or comparable for Overhead Mallets (IN20)

1x AKG D112 or comparable for Concert-drum (IN21)

**1x presenter/speaker:**

Shure SM58S (switchable) or comparable (IN5) - if possible in radio version

Attention: only use transmitters/receivers in the protected frequency range! (definitely not at 2,4G area)

**2x Soloists (flugelhorn and saxophone):**

AKG C519m or comparable als Clip- microphone (IN15 and 16)

**3x vocal microphone:**

Shure Beta 87A or comparable (IN1-3)

**1x pickup microphone for electric guitar:**

Sennheiser E906 or comparable for picking up sound from the guitar amplifier provided by the orchestra. (IN8)

**1x DI-Box E-Bass:**

Palmer PAN01 or comparable. (IN7) Cable from the DI box to the electric bass and from the DI box to the bass amplifier (so that the bassist can hear himself) is supplied by the orchestra (including the bass amplifier itself).

**4x InEar for vocals and drums:**

The singer/drummer uses headphones with a 3.5 mm jack plug. The in-ear system can either be wired or wireless (if wireless: only use transmitters/receivers in the protected frequency range and definitely not at 2,4G area!) and must have an integrated limiter (hearing protection) and a volume control - e.g. Shure PSM300 or LD Systems HPA1 or comparable.

**2x Sidefield Loudspeaker:**

The sidefield loudspeakers are used as a monitoring system for the orchestra. On the sidefields the signal from the vocals (quietly) and the presenter/speaker should be played.

**1x AUX-Bluetooth receiver**

e.g. Klark Teknik DW20BR, used for some external music at a break.

## **6. Contact for further questions**

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