



## TECHNICAL RIDER 2023 (page 1 of 5)

### PA

The PA System must be capable of producing a Sound pressure level of 120 db(C) of undistorted Sound at the Front of House Mix position (112 db) (C) at rear of Hall with a Bandwidth of 20Hz-20kHz! This is not how loud I mix but headroom is always good ;).

Suggested minimum power: 2x6 KW up to 400, 2x 8 KW up to 800, 2x12 KW up to 1200, 2x16KW for capacity over 1200. Must be a 3-or 4-way flown system.

Preferred system brands are : L-ACOUSTICS, D&B audiotechnik, Martin Audio, Meyer Sound, Clair Brothers, NEXO, Adamson Systems, AUDIOFOCUS.

Subs ratio should be at least 1/2 of the total amount of line array speakers. We prefer subs in arc/array/cardioid, not in LR stack. 18" subs only.

Front fills and out fills should be mixed in stereo.(Example: Left outfill will get a signal from Right Front fills would be patched RLRL if looked from FOH) All system setups must be done by certified engineers.

**All other brands must be talked through with our FOH engineer.**

Sound pressure measurements If There are any sound level limitations (example: 96dB 5min LAEQ), then there must be an AFMG SysTune or Smaart on the external screen. No hand held measurement devices would be accepted.

All the setup must be done by a local FOH technician.

### CONTACT

FOH engineer: Ivo Mannine, [ivo@metsatoll.ee](mailto:ivo@metsatoll.ee), +372 5210882

Manager: Kiti Kibus, [kiti@metsatoll.ee](mailto:kiti@metsatoll.ee), +372 53434194

Drums: Tõnis Noevere, [tonis@metsatoll.ee](mailto:tonis@metsatoll.ee) +372 5523788

Logistics, righthand: Leho Säde, [leho@metsatoll.ee](mailto:leho@metsatoll.ee), +372 53453643



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### CONSOLE

Waves emotion LV1 system

Mixing desk: LV1 64ch, Extreme server, Mercury, Abbey Road Plugins, 24" touchscreen monitor, FIT controller, Local IO. (Digigrid D,M,Q).

Stage Rack: STG24/12 + IOX or DSPPRO4000 (29 ch total). [www.waves.com](http://www.waves.com)

2pc Cat5e STP (shielded twisted pair) from stage to console (FOH). Recommended length max 75m/246ft. If the distance is more than 75m/328ft then both mixrack and console must have fibre optic cables and switches 2x NETGEAR GS110TP v3 10-Port Switch.

### BACKLINE

We need 3pc short w.boom and 6pc tall w.boom stands

Microphones: 1pc Sennheiser E602 or Shure Beta 52 1pc, 5pc Sennheiser E604, 2pc Shure SM 57, 5pc Shure Beta 57, 5pc KM 184, 5pc windshield for KM 184.

DI Boxes: 2pc Radial D1, 1pc Radial D2.

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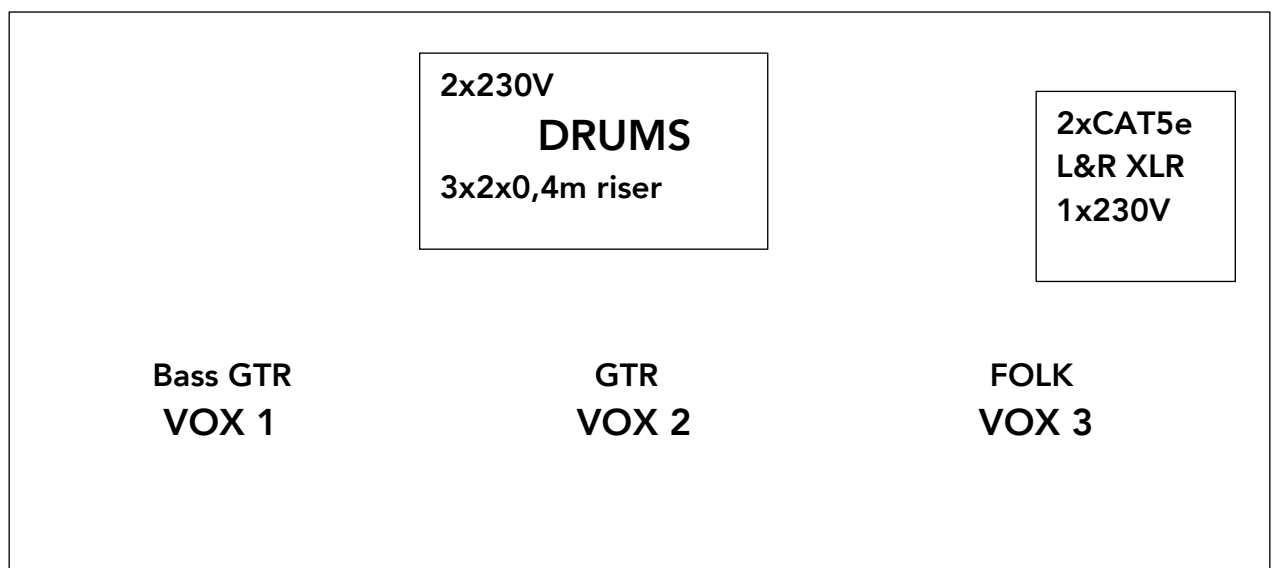
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### STAGE PLOT



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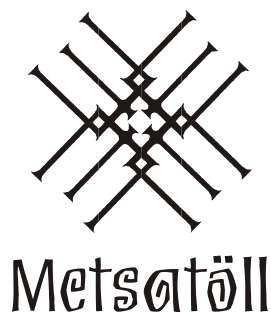
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### INPUT LIST

Ch. Nr.	Instruments	Mic./Di	Stands		
1	Kick OUT	e602	Short	1	<b>STG 24/12</b>
2	Kick Trigger	DI out	-	2	
3	SN TOP	b57	Clamp	3	
4	SN BOT	SM57	Clamp	4	
5	1 Tom	e604	Clamp	5	
6	2 Tom	e604	Clamp	6	
7	3 Tom	e604	Clamp	7	
8	4 Tom	e604	Clamp	8	
9	5 Tom	e604	Clamp	9	
10	HH	KM184	Clamp	10	
11	OH L	KM184	Clamp	11	
12	OH R	KM184	Clamp	12	
13	Ride	KM184	Clamp	13	
14	BASS	Rack OUT 1-1	-	14	
15	GTR L	Rack OUT 1-2	-	15	
16	GTR R	Rack OUT 1-3	-	16	
17	<b>VOX 1 DRUM</b>	b57	Tall	17	
18	<b>VOX 2 BG</b>	b57	Tall	18	
19	<b>VOX 3 gtr</b>	b57	Tall	19	
20	<b>VOX 4 Bagpipe</b>	b57	Tall	20	
21	Elect. kannel	Rack OUT 2-1	-	21	
22	Small kannel	Rack OUT 2-2	-	22	
23	Hiiu kannel	Rack OUT 2-3	-	23	
24	Bagpipe	Rack OUT 2-4	-	24	
1	Flute	Sm57	Tall	25	<b>IOX 12/6</b>
2	Lauri GTR	DI out	-	26	
3	Big kannel	KM184	Short	27	
4		-	-	28	



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<b>6</b>		-	-	<b>30</b>
<b>7</b>		-	-	<b>31</b>
<b>8</b>		-	-	<b>32</b>
<b>9</b>		-	-	<b>33</b>
<b>10</b>		-	-	<b>34</b>
<b>11</b>		-	-	<b>35</b>
<b>12</b>		-	-	<b>36</b>
<b>OUT Nr.</b>				
<b>1</b>	IN-EAR 1 L	Tõnis L	Own mixer	<b>STG24 /12</b>
<b>2</b>	IN-EAR 1 R	Tõnis R	Own mixer	
<b>3</b>	IN-EAR 2 L	Raivo L	PSM900	
<b>4</b>	IN-EAR 2 R	Raivo R	PSM900	
<b>5</b>	IN-EAR 3 L	Markus L	PSM900	
<b>6</b>	IN-EAR 3 R	Markus R	PSM900	
<b>7</b>	IN-EAR 4 L	Lauri L	PSM900	
<b>8</b>	IN-EAR 4 R	Lauri R	PSM900	
<b>9</b>	IN-EAR 5 L	Leho L	PSM900	
<b>10</b>	IN-EAR 5 R	Leho R	PSM900	
<b>11</b>	PA L			
<b>12</b>	PA R			

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