

Technical houserider kleine zaal

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Dimensions

- Stage 10 meters wide, 8 meters deep and 5 meters clearance till bottom of bridges

General

- Black box theaterhall (stage is lowest point)
- Loading/unloading stageleft
- Hall has bridges
- Curtains sides and back (midnight blue)
- No front curtain
- Stage floor hardwood parquet
- Marley floor black/white
- Open control cabin with good line of sight above grandstand
- Grandstand with 106 seats, fully retractable
- Two dressingrooms for 6 people (shower, toilet, refrigerator, coffee maker and kettle available)
- GreenGo wireless intercom set (5 beltpacks, headsets with single earcup)
- DALI2 hearing support

Maximum sound levels

The Verkadefabriek uses volumes that allow visitors to attend a performance without the risk of hearing damage, without needing earplugs. The in-house technicians will use the average measured volumes in dBA below and intervene when these volumes are exceeded. To increase comfort, we offer visitors earplugs (free foam and better universal plugs with filters for a small amount) at performances that approach this limit. If the company expects the performance to be close to the limit, we would like to be informed of this. The average volumes below are used.

Maximum soundpressure measured over time	
without the use of hearingprotection	
Volume (dBA)	Duration in minutes
101	4
98	7,5
95	15
92	30
89	60
86	120

Sources:

https://www.cdc.gov/ncch/hearing_loss/what_noises_cause_hearing_loss.html

<https://www.klinktgoed-gehoorbescherming.nl/over-ons/wanneer-gehoorbescherming/>



Sound (more sound equipment available under 'Additional materials')

- PA
 - Top – 4x D&B YI7P
 - Sub – 2x D&B VG-SUB
- Monitor
 - 2x amp D&B E- pac (for E3, Max12 or other D&B speaker systems)
- Mixer
 - Allen&Heath SQ-6
 - 24 local XLR inputs
 - 3 local stereo line inputs (2x 6.3mm TRS jack & 1x 3.5mm stereo jack)
 - 14 local XLR outputs
- Infrastructure
 - 32x XLR around stage
 - Network connections all around
- Hearing support: Audio Mattijsen DALT2
 - Analog split on L+R (50% direct sound, 50% sound from microphones)
 - Possibility to send separate AUX
 - Beltpacks for visitors with headphones or local ear loop for T-position
 - Fixed frequencies (note, these are **not** adjusted):
 - Main hall: **694.000 MHz**
 - Small hall: **690,000 MHz**

Lighting

The Verkadefabriek uses the FENT-norm* for the distribution of universes and networks between the theatre company and our theatre. The lightingnetwork of the Kleine Zaal uses 4 universes and is situated between the 10.40.xx.xx/16 range. The system can be controlled by sACN or as individual dimmerchannels through DMX.

LEE colours can be addressed to the fixtures through our lighting console. Colours are calibrated with our own colour calibrator.

- Lighting desk ChamSys MQ250M
- 48x Elation KL Profile FC (21ch)
- 8x Elation KL Profile Compact (19ch) Used as fixtures on the floor.
- 12x Elation KL Par FC (19ch)
- 4x LED Horizon (asymmetrical) Chauvet Ovation CYC1 (11 ch)

Please refer to the attachments for the universe and channel distribution.

Be advised! For the longevity of our fixtures we kindly ask theatre companies to use our MDG ATMe hazer. It is allowed to use your own smoke when it's used as an effect.

- The usage of conventional lighting and dimmers is possible after consulting with the technical department.

**Framework Entertainment Network Technology -
<https://www.fent-tech.nl/>*



Power supply

- 63 amp – 1 group (connection on stage)
- 32 amp – 2 groups in bridges
- Clean sound groups (16 amp)

Projection

- Panasonic PT-RZ790 DLP - 7000 ANSI lumens - 1920x1200 (connected to PTN HDBaseT extenders), movable in bridge
- Available lenses:
 - ET-DLE170 1.7 - 2.4:1
 - ET-DLE06 0.600 - 0801:1
 - ET-DLE105 1.0 - 1.3:1 (best suited for white horizon/flowed screen from usual position)
- Flown screen (frontally projected, 508 x 294 cm) on Reutlingers or white back wall (horizon)

Additional materials (can be used anywhere in consultation)

Sound

- Mics + DI
 - 8x Shure SM 58
 - 2x Shure Beta 58
 - 4x Shure SM 57
 - 2x Shure Beta 52
 - 4x AKG C 451 B
 - 5x AKG CK 93
 - 2x AKG C 214
 - 1x AKG C 535 EB
 - 2x Sennheiser MD 421
 - 2x Neumann KM 184
 - 2x Crown PCC 160
 - 10x active DI (LA audio/Radial Engineering)
- Wireless microphones (overview of used frequencies on page 5)
 - 10x Handheld (Sennheiser EW-DX SKM with MMD 935-1 BK head)
 - 10x Beltpack (Sennheiser EW-DX SK)
 - 10x Headset mic DPA 4066 (mini-jack/beige coloured)
 - 10x Sennheiser EW-DX EM 2 Dante receivers (2 channels per receiver)
- Speakers
 - 2x D&B C6 top
 - 2x D&B Ci60 top
 - 1x D&B Ci90 top
 - 4x D&B E18 sub
 - 10x D&B Max12 monitor
 - 6x D&B E3 monitor
 - 2x Yamaha DXR10 active speaker
- Amps
 - 3x D&B D6
 - 3x D&B D12
 - 7x D&B E- pac



Lighting

- 2x Lightec SP-12 dimmer packs
- MA Dot2 console

Power supply

- 63 amp distribution box
- 32 amp distribution box
- 16 amp distribution box
- Minimum length of power cable 10 meters
- 16, 32 and 63 amp power cables are limited in stock

DJ set

- 2x Pioneer CDJ 2000 Nexus media player
- 2x Technics SL-1200 mkII turntable (Earthquakers available)
- 1x Pioneer DJM 900 Nexus-II mixer

AV

- Sony Alpha 51000+Sony Sel 16-50mm lens
- Magewell Video capture device HDMI-USB
- Sufficient PTN HDBaseT Extenders
- HDMI splitter
- HDMI audio extractor - Cinch, Toslink

Streaming set

- V-Mix PC
- 6x Canon N500 PTZ NDI
- 1x Canon RC-IP100 Ptz controller
- 4x Science Image NDI HD mini
- 3x Netgear M4250-10G2XF-PoE+ network switch
- 2x Streamdeck XL
- 3x Dell screen
- 1x Scarlett 18i20

Rigging

- Various lengths of X30V Prolyte Truss black (square)
- Various lengths of X30D Prolyte Truss black (triangle)
- 3 meter soft steels with various harps
- Sufficient rigging materials for safe lifting of our own inventory
- 8x Reutlinger with 4 mm steel cable (9 meters) on Doughty Clamp. WLL 65 KG
- 4 x 250 kg (8 meters/minute) chain hoists with control case



Other

- Full HD stage monitor (for the presenter during presentations)
- Various screens on mobile tripod
- Various camera tripods
- Ron de Groot 2x1 stage elements with 20/40/60/80/100 cm legs
- 1x Yamaha U100 piano
- 2x Yamaha C3 grand piano

Psychosocial safety

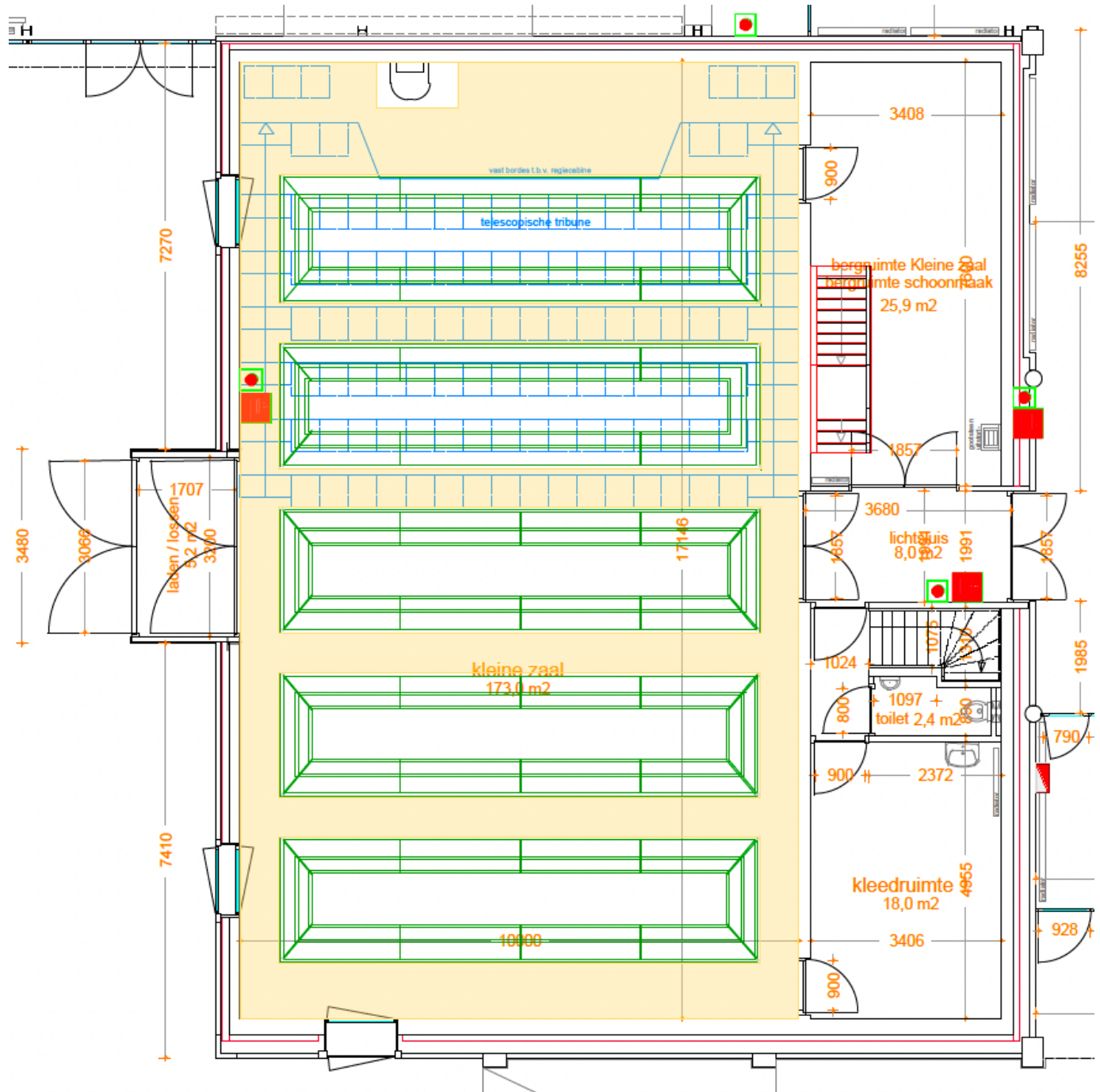
At the Verkadefabriek we believe it is important that everyone has the safest possible working environment. This means that not only physical but also mental safety must be guaranteed. We turn away from 'locker room talk' and treat people equally in the way they prefer. If situations have arisen in which this safety was at stake, we would like to hear about it and we will do our best to prevent this in the future.



Attachment 1: Floorplan

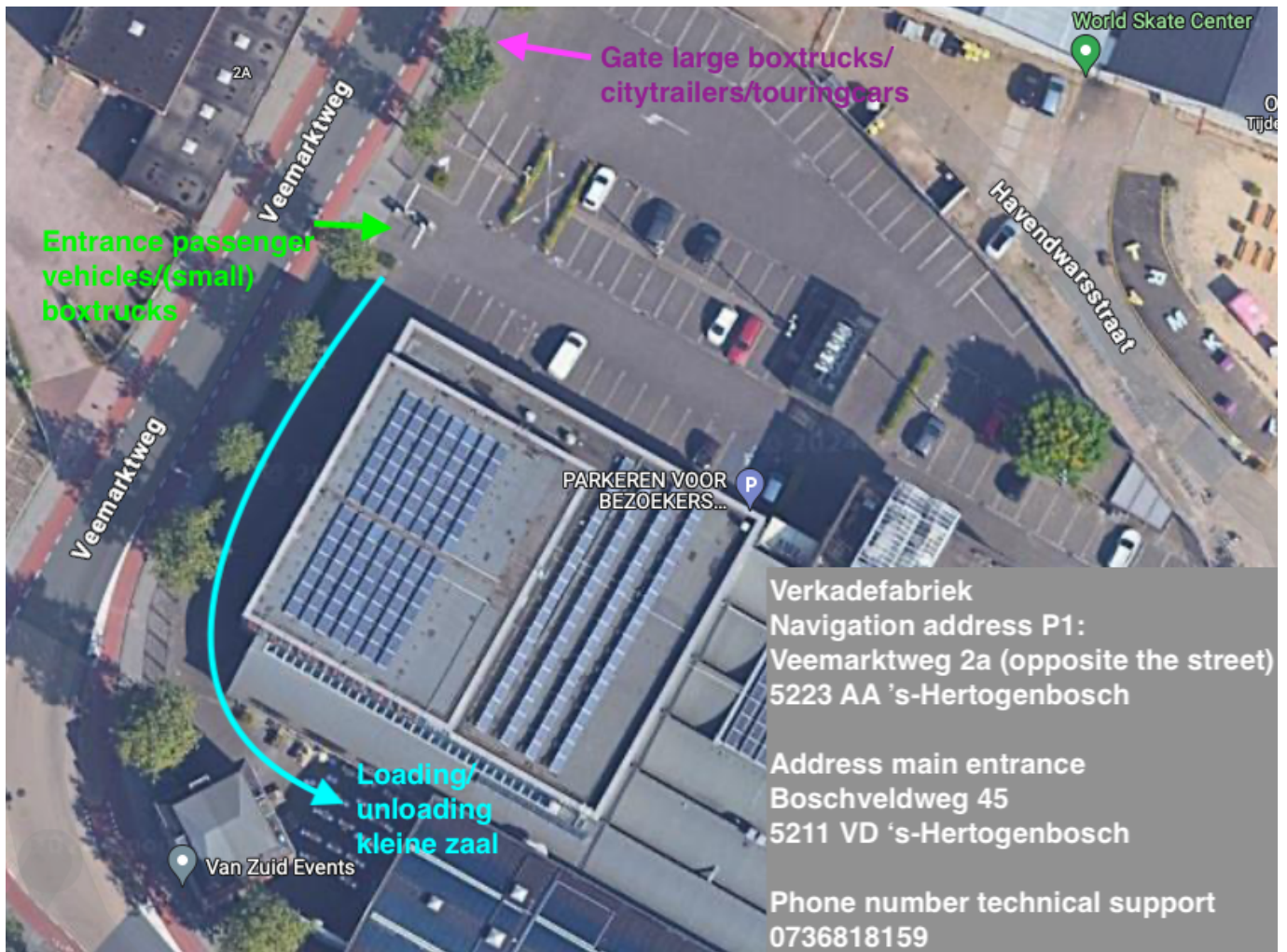
A DWG format of this drawing is available on request.

The green lines are our gridpipes (50mm), the bridges are indicated in yellow.





Attachment 2: Loading and unloading instructions



Please note! As of March 1st 2025, the city center of 's-Hertogenbosch has become a zero-emission zone. This also applies to the Verkadefabriek. A transitional arrangement for cleaner vans and trucks applies until 2030. For more information and a license plate check, visit <https://www.s-hertogenbosch.nl/ondernemer/milieu-en-afval/milieuzone-zero-emissie-zone/>



Attachment 3: Fixed frequencies wireless receivers

Please note: The frequencies on our receivers will **not** be changed.

Flexible set			Clubzaal			Spare freq	
Receiver	List User Ch	Frequency	Receiver	List User Ch	Frequency	No.	Frequency
1	1	582,1	1	1	536,2	1	579,1
2	2	582,7	2	2	536,8	2	579,7
3	3	583,3	3	3	537,4	3	580,3
4	4	583,9	4	4	538	4	580,9
5	5	584,5	5	5	538,6	5	581,5
6	6	585,1	6	6	539,2	6	594,1
7	7	585,7	7	7	539,8	7	594,7
8	8	586,3	8	8	540,4	8	595,3
9	9	586,9				9	595,9
10	10	587,5				10	596,5
11	11	588,1	Cinema 1				
12	12	588,7	Receiver	List User Ch	Frequency	Hearing support	
13	13	589,3	1	1	521,2	Hall	Frequency
14	14	589,9	2	2	521,8	Grote zaal	694
15	15	590,5	3	3	522,4	Kleine zaal	690
16	16	591,1	4	4	523		
17	17	591,7	5	5	523,6		
18	18	592,3	6	6	524,2		
19	19	592,9	7	7	524,8		
20	20	593,5	8	8	525,4		

Frequencies in MHz *1000



Attachment 4: Universe and channel distribution

U1	KL Profile FC	U2	KL Profile FC	U3	KL Profile compact	U3	KL Par FC	U4	CYC1 FC
1	1.001	25	2.001	51	3.043	59	3.195	201	4.201
2	1.022	26	2.022	52	3.062	60	3.214	202	4.212
3	1.043	27	2.043	53	3.081	61	3.233	203	4.223
4	1.064	28	2.064	54	3.100	62	3.252	204	4.234
5	1.085	29	2.085	55	3.119	63	3.271	205	4.245
6	1.106	30	2.106	56	3.138	64	3.290	206	4.256
7	1.127	31	2.127	57	3.157	65	3.309		
8	1.148	32	2.148	58	3.176	66	3.328	U4	MDG ATMe
9	1.169	33	2.169			67	3.347	510	4.510
10	1.190	34	2.190			68	3.366		
11	1.211	35	2.211			69	3.385	U4	Zaallicht+VF gobo
12	1.232	36	2.232			70	3.404	100	4.100
13	1.253	37	2.253						
14	1.274	38	2.274						
15	1.295	39	2.295						
16	1.316	40	2.316						
17	1.337	41	2.337						
18	1.358	42	2.358						
19	1.379	43	2.379						
20	1.400	44	2.400						
21	1.421	45	2.421						
22	1.442	46	2.442						
23	1.463	47	2.463						
24	1.484	48	2.484						