

Technical Info

Grote Zaal – Heerlen



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Logistics

Loading Dock

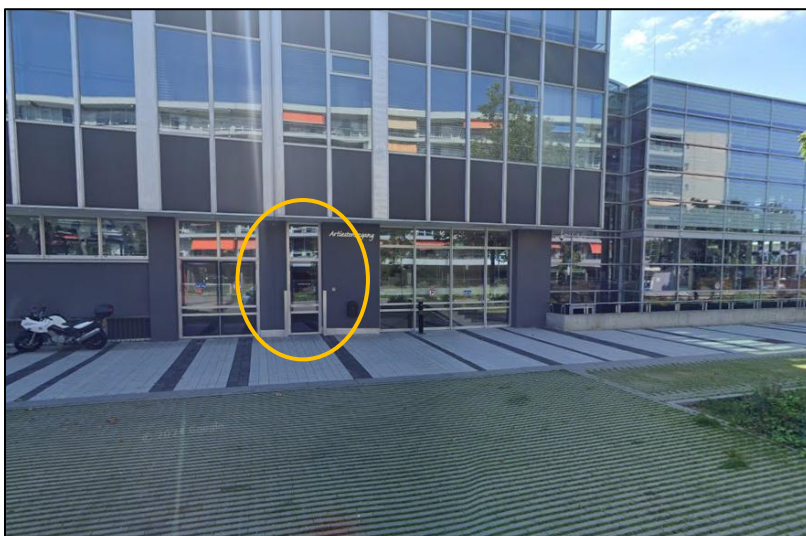
The loading dock is completely covered and has two truck lifts.
(shared with other rooms)

Maximum truck dimensions

Length	22.5	meters
Width	2.5	meters
Height	4.0	meters
Max. weight	40.0	tons



Entrance loading dock
on the corner of:
Homerusstraat/
Muzenlaan Heerlen



Artist entrance:
Muzenlaan
Heerlen

Goods lift

The stage is accessible from the loading dock with one goods lift.

Maximum dimensions of goods

Length	3.0	meters
Width	2.0	meters
Height	2.0	meters
Max. weight	3.5	tons

Doors

There are two doors for the passage of décor.

Dimensions of doors:

Width	2.6	meters
Height	3.0	meters

Stage

Front Cloth	Movement	Greek
	Control	Electronic Hand Operated
	Color	Orange Red

Proscenium frame Decorative frame in the color golden yellow

Manteau The manteau is covered with black velvet
 Minimum opening 11 meters
 Maximum opening 16 meters

Portal bridge The portal bridge is covered with black velvet
 Minimum height 0.6 meters
 Maximum height 9 meters

Stage floor The Grote Zaal has a floating floor with underfloor heating.
 Maximum floor load: 750 kg/m²
 The stage has a height of 1 meter. If desired, two steps are available for entering the stage from the hall.

Use must be made known in advance due to seat blockade

Ballet floor Available for the entire stage floor in the color black or white
 Width 20 meters
 Side lanes 2 lanes of 2 meters (left and right)

Masking	<i>Height x Width</i>	<i>Color</i>
Legs	10.5 m x 5.5 m	Black (velvet)
Fries	4 m x 22.5 m	Black (velvet)
Foundation	10.5 m x 22.5 m	Black (velvet)
Side black	9 m x 15 m	Black (velvet)
Horizon	10.5 m x 22.5 m	White (cotton)
Mesh	10.5 m x 22 m	Black
Mesh	11 m x 22 m	White

Aerial platform Alplift AMWP9.5 Self-propelled
 Maximum working height 11 meters
 Maximum platform height 9 meters

Rigging

Silicon Theatre Scenery Computer controlled rigging

1 x Forestage grid	Maximum load:	500 kg
	Pointload:	250 kg
	Length:	20 m
	Maximum height:	20 m
63 x Bars	Maximum load:	500 kg
	Pointload:	250 kg
	Length:	24 m
	Maximum height:	20 m
2 x Side bars left	Location:	14 m from the middle
	Maximum load:	500 kg
	Pointload:	250 kg
	Length:	11 m
	Maximum height:	20 m
2 x Side bars right	Location:	14 m from the middle
	Maximum load:	500 kg
	Pointload:	250 kg
	Length:	11 m
	Maximum height:	20 m
1 x Front bar		
1st lightning bridge	3 segments (Left, Middle, Right)	
	Maximum load:	250 kg per segment
	Length:	2,8m per outside segment 4,5m middle segment
1 x Front bar		
2nd lightning bridge	3 segments (Left, Middle, Right)	
	Maximum load:	250 kg per segment
	Length:	3,8 m per outside segment 4,6m middle segment

12 x Winches	Movable above stage floor
	Adjustable speed
	Maximum load: 250 kg each winch
12 x Chain hoist	Limited movable above stage floor
	Adjustable speed
	Maximum load: 1000 kg each chain
6 x Proscenium chain hoist	Limited movable (used for the PA)
	Constant speed
	Maximum load: 500 kg per chain
AV winches	For transporting large sound desks to FOH position
	Maximum load: 500 kg

Always contact the technical department for each rigging plot!

Acoustics

The Grote Zaal has a variable electro-acoustic system. The acoustics of the Grote Zaal are optimized for amplified performances. Speech intelligibility and the acoustic architecture are improved by means of the electro-acoustic system. (SIAP)

Orchestra shell

For musical acoustic performances, Theater Heerlen has a very advanced sound chamber to improve the acoustics and interplay conditions.

There are three different variations, depending on the wishes and the size of the musical company.

The ceiling of the sound chamber is equipped with 48 RGBWW (8 per ceiling part) fixtures that provide the perfect reading lighting or atmospheric color.

Big Shell



Measurements

Width standard	15 m
Width XL variant	17 m
Depth to stage edge	14 m
Depth to orchestra pit 1st shell	15.90 m
Depth to orchestra pit 2nd shell	16.80 m
Depth to orchestra pit 3rd shell	17.92 m

Middle Shell



Measurements

Width	15 m
Depth to stage edge	7,80 m
Depth to orchestra pit 1st shell	9,70 m
Depth to orchestra pit 2nd shell	10,60 m
Depth to orchestra pit 3rd shell	11,72 m

Small Shell



Measurements

Width	15 m
Depth to stage edge	5,40 m
Depth to orchestra pit 1st shell	7,30 m
Depth to orchestra pit 2nd shell	8,20 m
Depth to orchestra pit 3rd shell	9,32 m

Electricity

General

125A CEE-form (5 pole)	5 x total	1 x stage left front 1 x stage left rear 1 x stage right front 1 x stage right rear 1 x backstage (loading dock)
63A CEE-form (5 pin)	3 x total	2 x rear wall 1 x stage right rear
32A CEE-form (5 poles)	12 x total	2 x right front 2 x right middle 1 x right rear 2 x left rear 2 x left middle 1 x 1st front bridge middle 2 x follow spot position
16A CEE-form (5 poles)	3 x total	1 x FOH 1 x backstage 1 x control room
16A Schuko	Various connections both left and right	

Sound

63A CEE-form (5 pole)	2 x total	1 x stage left front 1 x backstage (load & unload)
16A CEE-form (5 pin)	2 x total	1 x control booth 1 x orchestra pit
16A Schuko	Various connections both left and right	

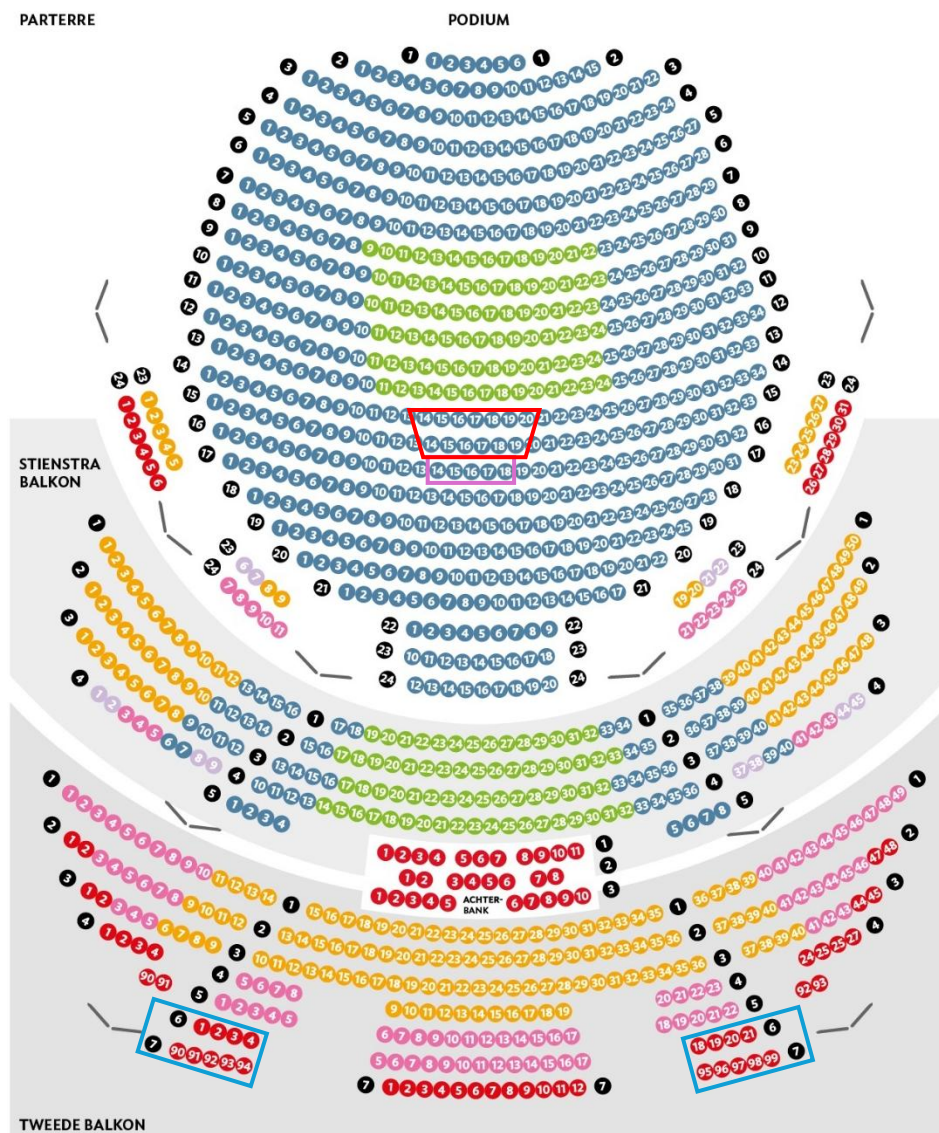
Seating plan

Total seats 1112 seats

Lower stalls 643 seats
 1st balcony 200 seats
 2nd balcony 237 seats
 "Achterbank" 32 seats

When using:

Orchestra pit small	Row 1 + 2	-21 seats
Orchestra pit middle	Row 3	-22 seats
Orchestra pit big	Rij 4	-24 seats
FOH small	Rij 15 + 16	-13 seats (Red)
FOH groot	Rij 17	-5 seats (Pink)
Follow spot		-18 seats (Blue)



Facilities

Dressing rooms

There are 8 dressing rooms allocated to the Main Hall.

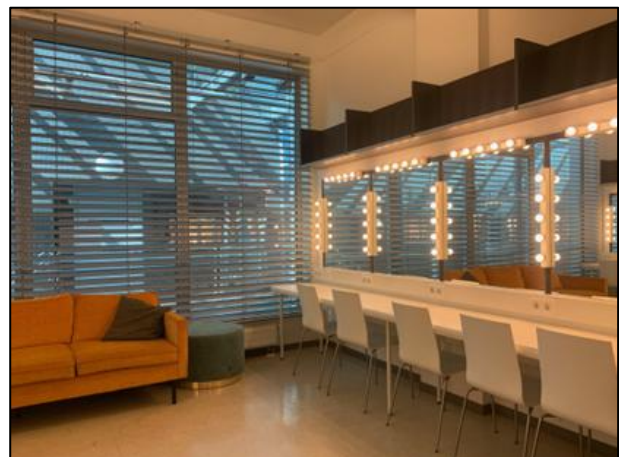
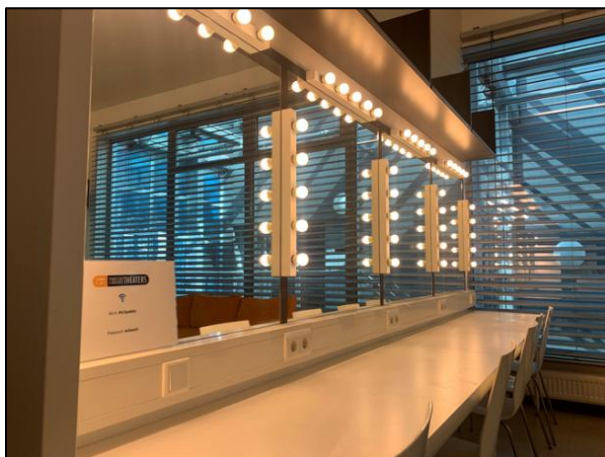
Each dressing room is equipped with at least one sink and all changing rooms are equipped with screens with image & sound of the hall and regular TV reception.

There is a call system in all changing rooms.

Dressing room 1	± 8 persons	± 21m ²	2 douches
Dressing room 2	± 4 persons	± 11m ²	1 douche
Dressing room 3	± 8 persons	± 21m ²	2 douches
Dressing room 4	± 4 persons	± 10m ²	1 douche
Dressing room 5	± 4 persons	± 10m ²	1 douche
Dressing room 6	± 3 persons	± 6,5m ²	1 douche (adjacent)
Dressing room 7	± 14 persons	± 33m ²	2 douches
Dressing room 8	± 14 persons	± 34m ²	2 douches

If there is a need for **more** changing rooms, the changing rooms below can be **requested**. Please contact receptie@plt.nl

Dressing room 9	± 10 persons	± 18m ²	1 douche
Dressing room 10	± 10 persons	± 20m ²	1 douche
Dressing room 15	± 3 persons	± 8m ²	1 douche
Dressing room 16	± 3 persons	± 8m ²	1 douche



Tuning chamber

Adjacent to the orchestra pit is an extra room set up as a tuning room (45m2)

CAUTION! This space is shared with all other rooms.

Laundry facilities

Washing machine, dryer, iron & ironing board.

CAUTION! These facilities are shared with all other rooms.

Toilets

The toilets are centrally located on each floor.

FOH

The FOH is located on the ground floor in the middle of the room **in front** of the 1st balcony. This is only accessible through the seats.

Control cabin

The control cabin is located behind the last row on the 1st balcony and is accessible by elevator through separate hall doors.

Dressing room call

The microphone for the dressing room call can be connected to the left or right side of the stage. The call can be received in all dressing rooms, corridors and in the artists' foyer. Dressing room call also works via the intercom system

Grand pianos

Steinway & Sons D-274	construction year – 2007	(442Hz)
Steinway & Sons D-274	construction year – 1978	(440Hz)
Yamaha C7	construction year – 1988	(442Hz)

Sound

Sound system

The sound system is optimized for our theater, both in terms of sound technology and radiation characteristics.

Line array	L-Acoustics Kara	12 / side
Subwoofers	L-Acoustics SB18m	3 / side flown
	L-Acoustics KS28	1 / side on stagefloor
Centercluster	L-Acoustics A10	4 (2xFocus / 2xWide)
Frontfill	L-Acoustics X4i	
Infill	L-Acoustics X12	
Under balcony	L-Acoustics X8	
Processing	Lake LM44	

Surround-system

SIAP Acoustics system can be controlled analogue in up to 6 different lines.

Side left	Side right
Back left	Back right
Under balcony	Ceiling

Infra cabling

<i>From</i>	<i>To</i>	<i>Number</i>	<i>Kind</i>
FOH	Stage left/right	48	Analogue
FOH	Stage left/right/amplifiers	12	Analogue
FOH	Stage left	2	CAT5e
FOH	Stage right	2	CAT5e
FOH	Stage left/right/amplifiers	6+2	AES/EBU
Control cabin	Stage left/right	12	Analogue
Amplifiers	Control cabin	12	Analogue

6 Tie-Lines with insulated earth: stage direction, stage and amplifiers.

Cat6 network for digital connections possible.

Intercom

10 x Riedel Bolero Beltpack	Line A / B
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Light

Our spotlights, as indicated on the lighting plan, are fixed and therefore not movable.

Fixed dimmers

Dimmer connections stage floor and bridges:

264 x	3kW	Sinewave Dimming (ETC)
84 x	3kW	Forward Phase Dimming (ETC)
10 x	5kW	Sinewave Dimming (ETC)

Mobile dimmers

96 x	3KW	LSC Unitour DIM / constant voltage
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Network

Luminex network in the following IP Ranges: **2.0.0.X**

sACN Network	1 x Luminode 4	FOH (DMX IN – 4 Universes)
	1 x Luminode 12	Stage L
	1 x Luminode 4	Stage Flexible
	2 x Luminode 12 RJ45	Patch cabinet

Connections

RJ45 / Ethercon chassis completely free to patch via patch panel. Connections in the hall direction, control cabin, stage, followspot areas and the bridges.

Follow spots

2 x Robert Juliat Aramis 2.5 kW HMIO padded to the second balcony on the left and right (see seating plan) Spotlights other than those of the house can be placed on the second balcony or in the second hall bridge.

Fixed armatures

Robert Juliat 310 HPC	1,2kW	Plano Convex
Robert Juliat 614SX	1,2kW	Zoom 16° - 35°
Robert Juliat 329HPC	2kW	Plano Convex
Robert Juliat 714SX2	2kW	Zoom 10° - 20°
Robert Juliat 714SX2	2kW	Zoom 15° - 40°
Robert Juliat Dalis 860	16 x	Led Horizon

Video

Cameras

Fixed (dome) camera SDI	Positioned towards stage
Fixed camera composition	Positioned towards conductor

Stage design

2 screens (left and right)

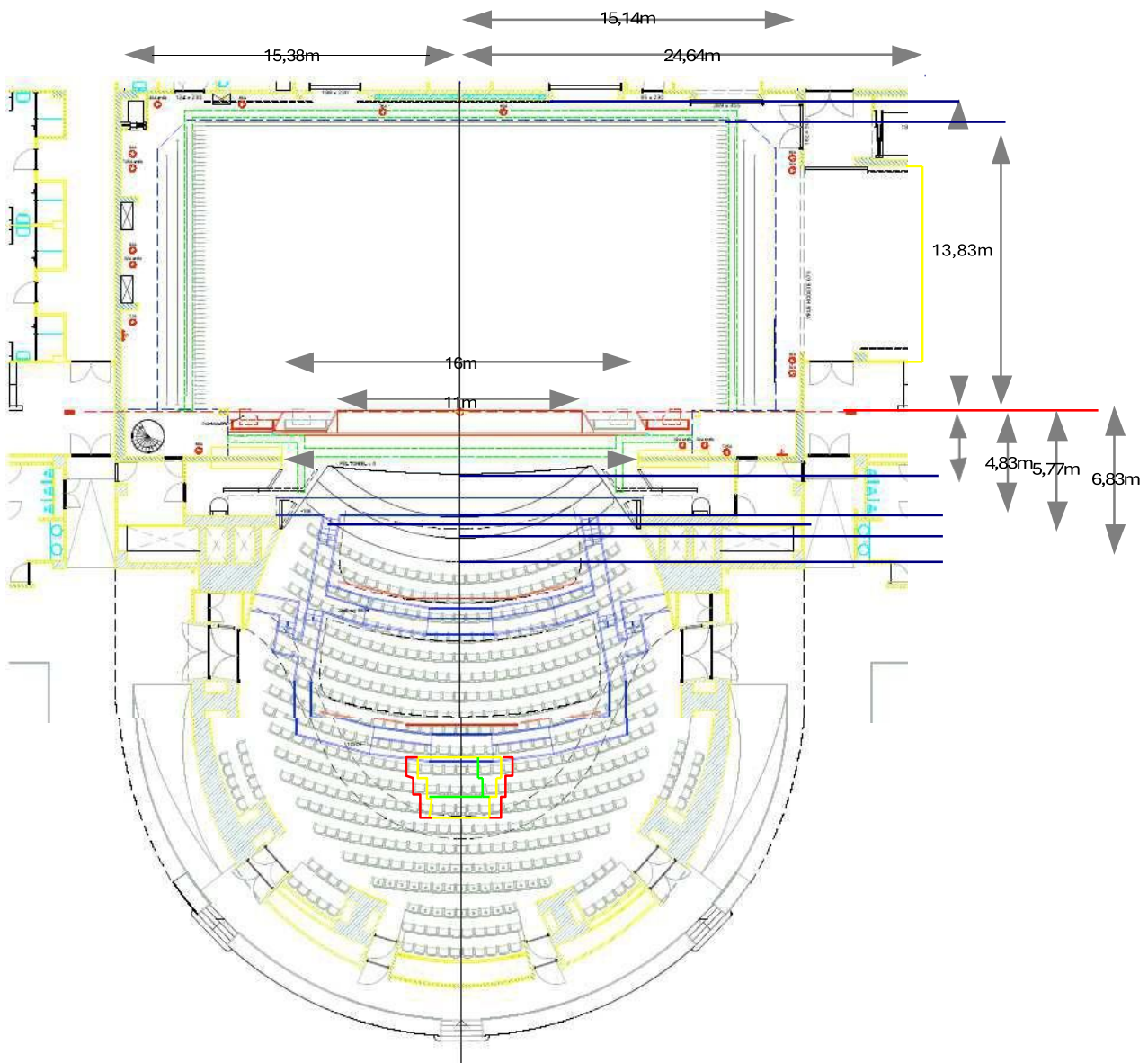
Coax connections

Completely free patching via patch panel.

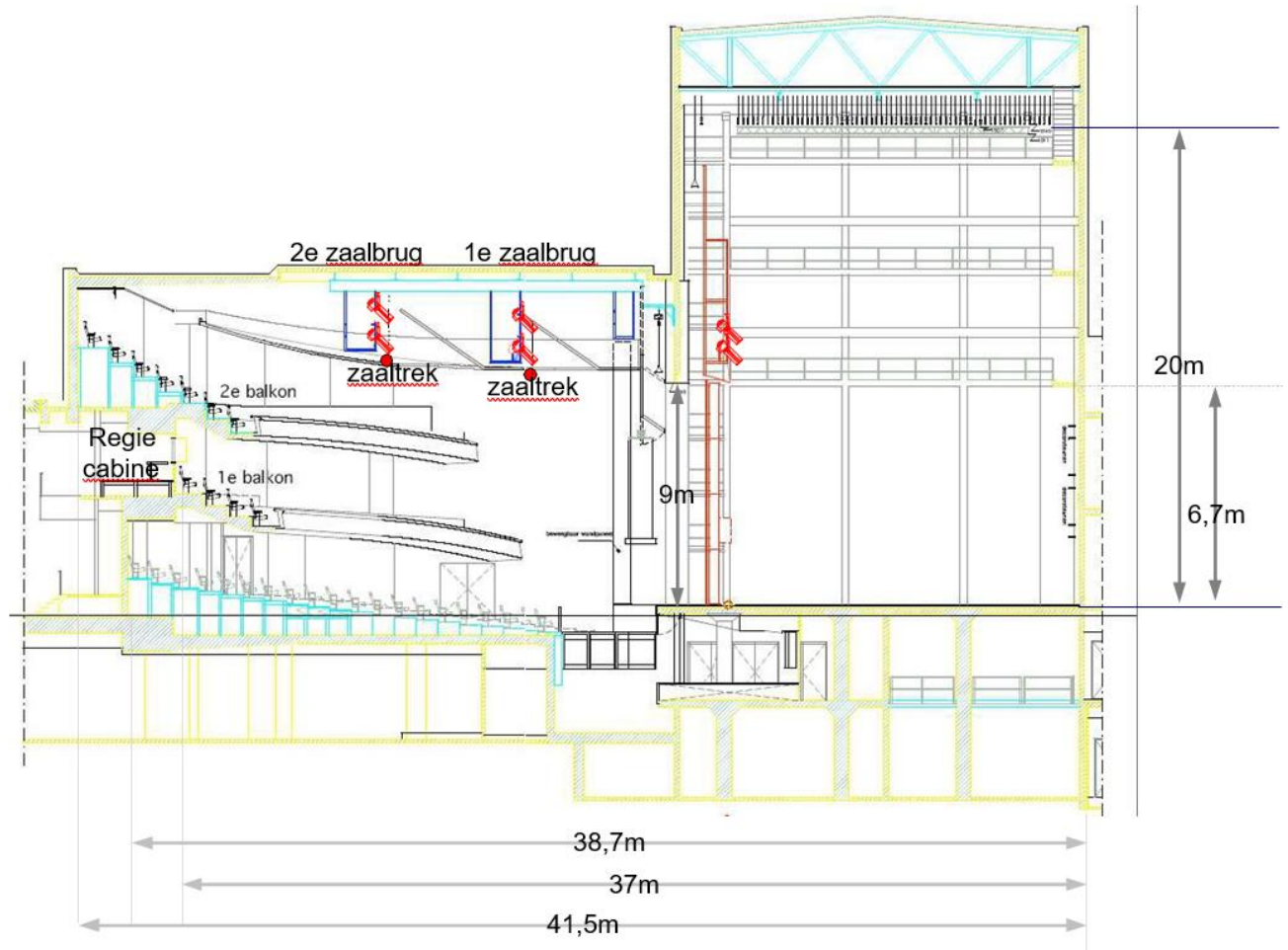
Connections in the hall direction, control cabin, stage and the bridges.

Stage Map

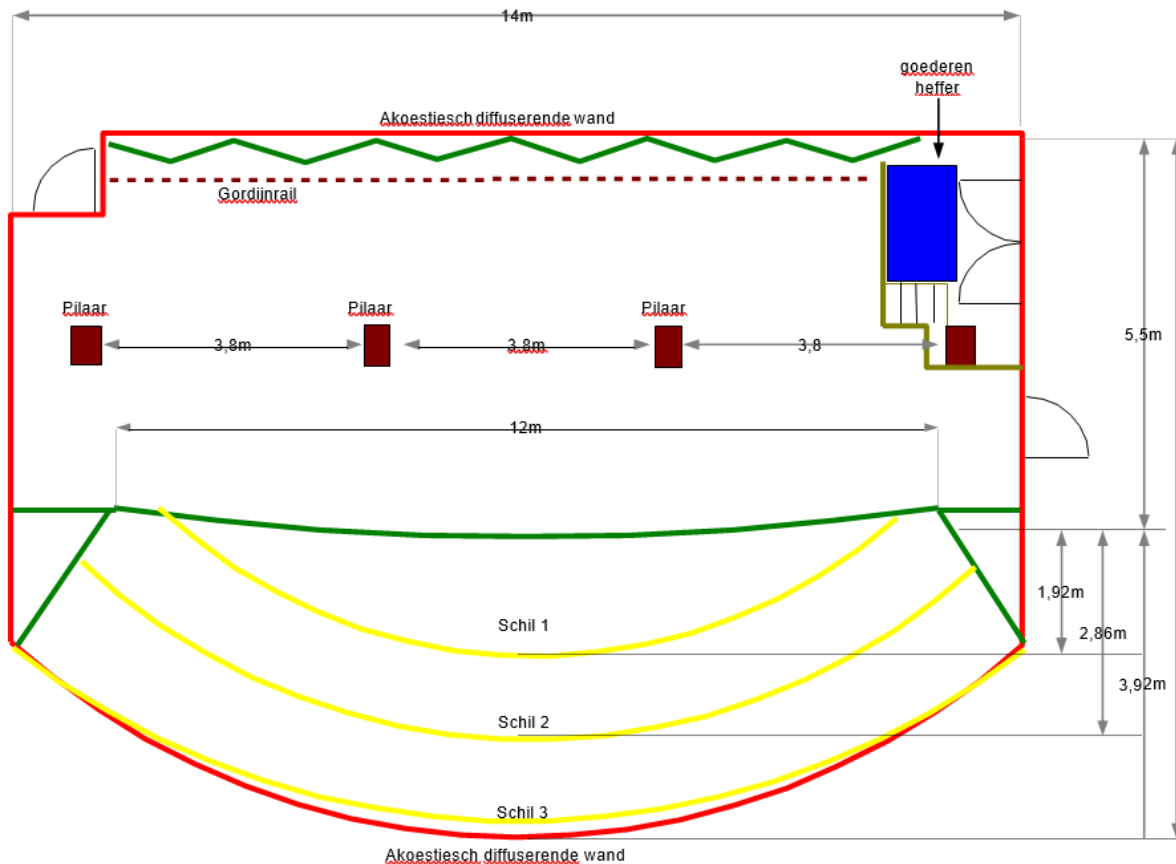
Top view



Side view



Orchestra pit



Areas

Fixed area under the stage floor	80m ²
1st shell	15m ²
2nd shell	15m ²
3rd shell	15m ²
	+
Variant 1	95 m ²
Variant 2	110 m ²
Variant 3	125 m ²

The 3 shells can be individually adjusted to any desired height.

The orchestra pit of the Grote Zaal is equipped with a safety net.