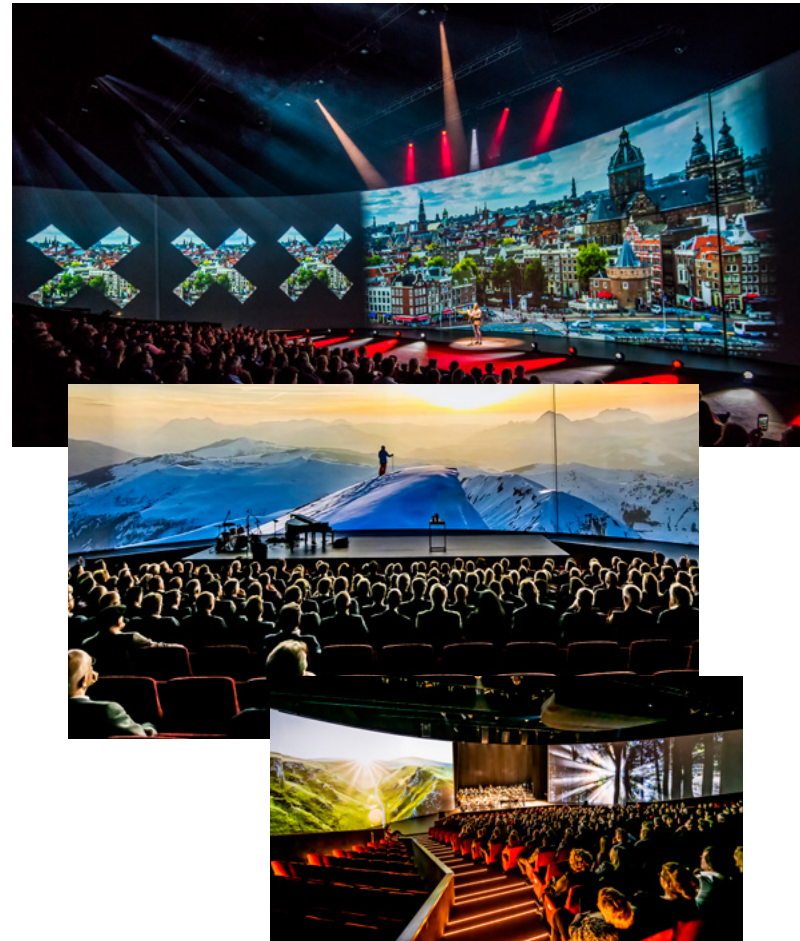# TECHNICAL RIDER

—

THEATER AMSTERDAM

# AUDITORIUM
## MAIN STAGE



The auditorium has a large main stage in front of the projection screen and a stage behind the screen.

The screen is 55 meters wide and is a semicircle, 180 degrees. A total of 500 square meters screen, offers unique panoramic projection possibilities. In addition, the screen has a sliding opening option, for amazing surprise effects, or to reveal the black box area to the audience. On top of that the audience can walk over the stage to the decorated backstage area for a dinner, party or a festival.

The front stage is fully aligned and integrated with the ground floor, approximately 160m$^2$ floor space is available. The auditorium is equipped with 924 seats. The seating capacity can be extended up to 1100 seats by removing 120m$^2$ of front stage floor. Extra costs for this extension are involved.

# AUDITORIUM
## LIGHT & VIDEO

## Flexibility

The auditorium itself is equipped with 11 movable hanging trusses. The intermediate distance between each of the trusses is 3,5 meters, offering flexible rigging options. Each trusse is equipped with 4 separate DMX universes and 6 separate 16 amp channels, all patchable.

Standard our Disguise 2x4 media server creates content playback. In addition we also offer playback by using Barco E2 system offering maximum flexibility. The projection blend is made within the 5 projectors.

## LIGHT

| DESK | 1 | GrandMA 3 Light |
|------|---|-----------------|
| HALL LIGHTS | 73 | ETC ColorSource par |
| FRONT LIGHTS | 8 | Robe T2 Profile |
| | 8 | Robe Esprite |
| BACK/TOP LIGHT | 8 | Robe 350 LEDBeam |
| | 12 | Robe 150 LEDBeam |
| | 2 | Robe Esprite |

## VIDEO

| CONTROLS | 1 | BARCO E2 GEN 2 |
|----------|---|----------------|
| | 1 | Disguise 2x4 Pro (2x Displayport VFC) |
| PROJECTION | 5 | Panasonic PT-RZ21K (20K ANSI Lumen Laser projector) |
| | 5 | Panasonic 0,9-1,1:1 zoom lens |

| ON REQUEST | |
|------------|---|
| PREVIEW CLOCK | 58'' NEC LCD |
| PREVIEW MONITOR | 58'' NEC LCD |
| MACBOOK PRO 15'' | MacBook Pro 15-inch Retina dual-core i7 SSD |
| WINDOWS LAPTOP | Acer Aspire 3 (Windows) i3 laptop |

# AUDITORIUM
## AUDIO

## 3D Spatial audio

In addition to the main audio PA system, the theater is equipped with a state of the art 3D spatial audio system, available at an additional costs. The two systems combined create the ultimate 3D audio experience for your audience with three dimensional sound blasting guests off their chairs.

3D audio gives you a broadened stereo setup that makes guest feel as if they are right in the middle of a unique audio experience. The setup includes 16 midrange loudspeakers, all individual controllable. The speakers are systematically placed around the auditorium's ceiling, each speaker as a separate channel controlled by the Astro Audio's SARA II server. Our in-house audio engineers will advise and support you in creating the best setup for your event.

## AUDIO

| CONTROLS | |
|---|---|
| DESK | Allen & Heath D-LIVE S5000 |
| RACK | DM48 Mixrack 48 in/24 out (96 kHz) + Dante |

| MAIN PA | POSITION | # | TYPE |
|---|---|---|---|
| Row 1/6 | Top Centre | 6 | Alcons Lr14 – Line Array |
| | Monitors | 4 | D&B M4 |
| ROW 7/18 | Top Left | 9 | Alcons Lr18 – Line Array |
| | Top Left | 3 | Alcons Lr18B cardioide – Line Array |
| | Top Right | 9 | Alcons Lr18 – Line Array |
| | Top Right | 3 | Alcons Lr18B cardioide – Line Array |
| ROW 19/32 | Top Left | 6 | Alcons Lr14 – Line Array |
| | Top Right | 6 | Alcons Lr14 – Line Array |
| SUB | Below Tribune | 12 | Alcons Bf362 Cardioide |

| ON REQUEST / MICROPHONES | | |
|---|---|---|
| RECEIVERS | 12 | Shure Axient AD4Q + Dante |
| HANDHELD | 2 | Shure AD2 Handheld — Beta58 mic head |
| BELTPACKS | 10 | Shure AD1 Beltpack — DPA 4066 Beige/Black |

| ON REQUEST / INTERCOM | | |
|---|---|---|
| WIRED | 8 | GreenGo Beltpack X |
| WIRELESS | 4 | GreenGo Wireless Beltpack X |

# AUDITORIUM
CONTENT
PLAYBACK

## Resolution

**RESOLUTION:**
8000x1200 pixels

**FRAME RATE:**
50 fps (fast animations/film) 25 fps (general use)

**VERSION CONTROL:**
Version tags = automatic replace
e.g. myfile_**v1**.mov is replaced by myfile_**v2**.mov

Proxy = Low res programmer file / placeholder. Syntax filename_v1_proxy1.mov

myfile_**proxy1**.mov is 'proxy 1 (half-resolution) of an asset called myfile.mov'
myfile_**proxy2**.mov is 'proxy 2 (quarter-resolution) of an asset called myfile.mov'
myfile_**proxy3**.mov is 'proxy 3 (1/8-resolution) of an asset called myfile.mov'

Frame replacement = automatically replacing part of frames
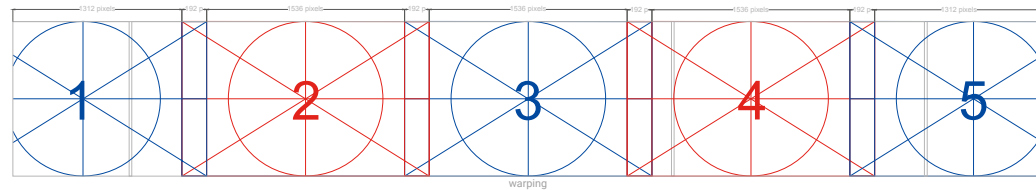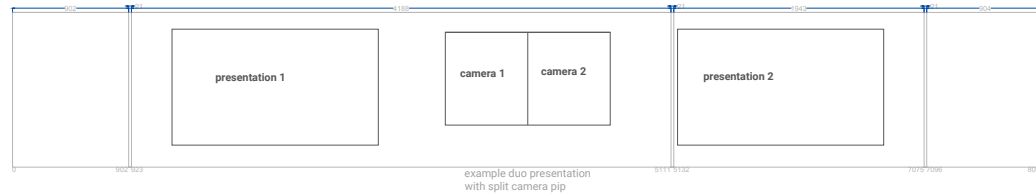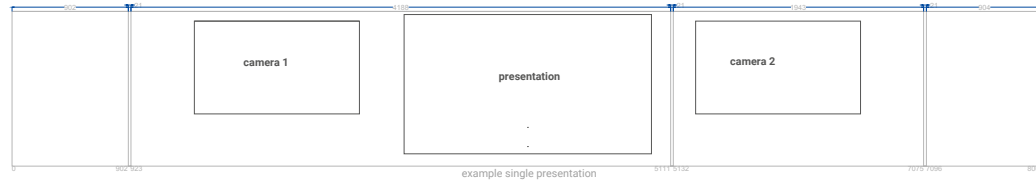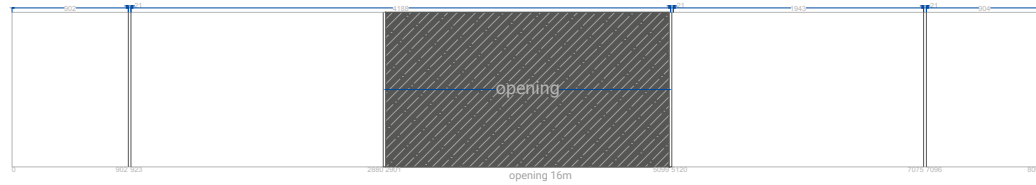
**File container:**
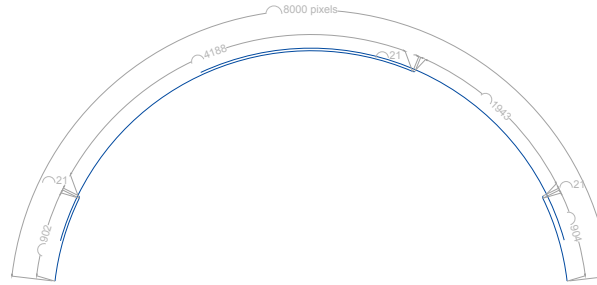.mov for video in NotchLC or HAP
.jpg or .png (transparant) for stills
.wav for audio files

# VIDEO
# SCHEMATICS



pixel map

opening

opening 16m

camera 1

presentation

camera 2

example single presentation

presentation 1

camera 1  camera 2

presentation 2

example duo presentation
with split camera pip

1  2  3  4  5

warping

# PIXELMAP

CANVAS 8000X1200

**D3 2X4 PRO (DISGUISE ONE )** → 2X DISPLAYPORT 4000X1200 → **ANALOGWAY AQUILON CUSTOM**

**PANASONIC PT-RZ21K PROJECTOR 1** — 1312 X 1200 + 192 BLEND

**PANASONIC PT-RZ21K PROJECTOR 2** — 192 BLEND + 1536 X 1200 + 192 BLEND

**PANASONIC PT-RZ21K PROJECTOR 3** — 192 BLEND + 1536 X 1200 + 192 BLEND

**PANASONIC PT-RZ21K PROJECTOR 4** — 192 BLEND + 1536 X 1200 + 192 BLEND

**PANASONIC PT-RZ21K PROJECTOR 4** — 1312 X 1200 + 192 BLEND

# AUDITORIUM
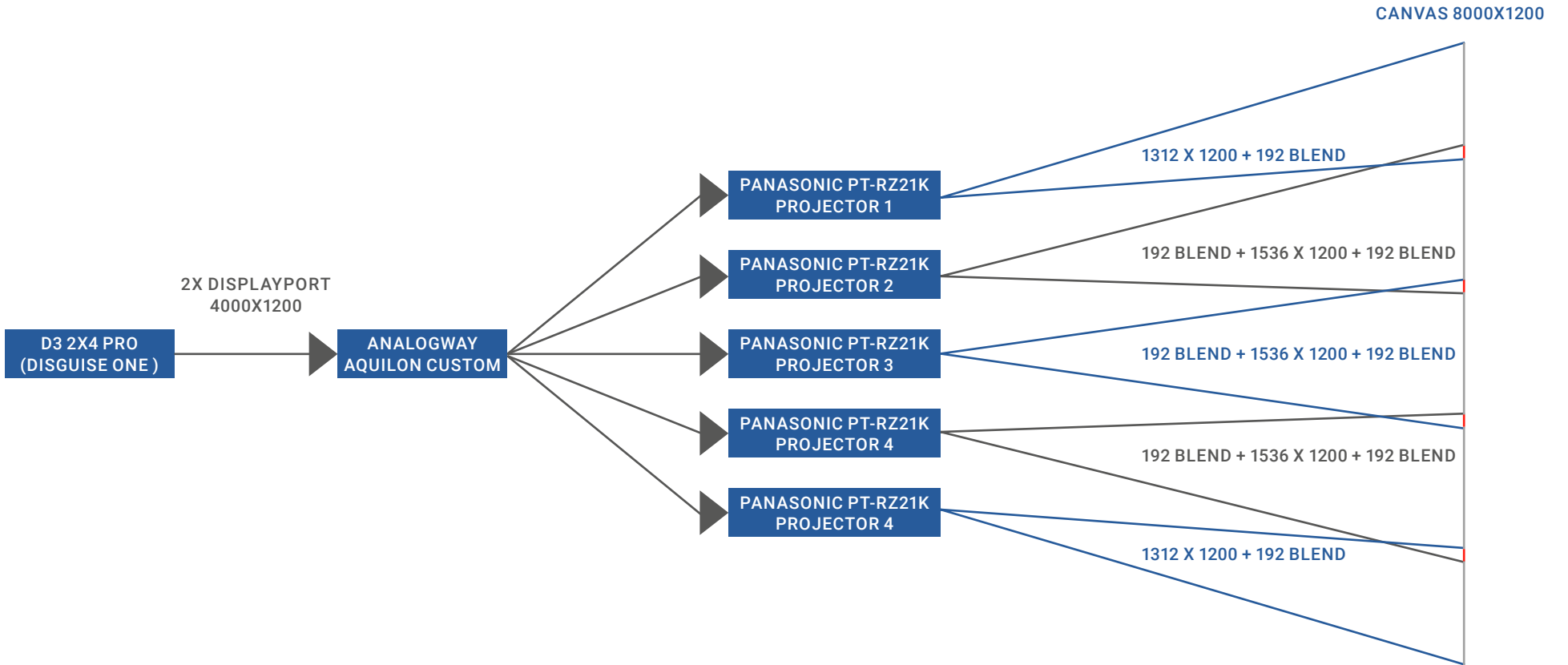<span style="color:red">CONTENT</span>
<span style="color:red">PLAYBACK</span>

# Content resolution format specifications

**VIDEO CODEC:**
NotchLC: **https://notchlc.notch.one**
Plugin for Adobe CC/QuickTime Legacy (windows+mac)

NotchLC (Excellent/optimal) = General use
NotchLC (Good) = Use for testing/proxy

Please be aware to Include Alpha channel when necessary

**AUDIO EMBEDDED:**
.wav 48 kHz 16-bit samples, stereo, uncompressed

## DISGUISE SDI INPUT SPECS
720x486i @ 59.94 Hz NTSC

720x576i @ 50.00 Hz PAL

1280x720p @ 23.976Hz, 24Hz, 25Hz, 29.97Hz, 30Hz, 50Hz, 59.94Hz, 60Hz

1920x1080i @ 47.96Hz, 48Hz, 50Hz, 59.94Hz, 60Hz

1920x1080PsF @ 23.976Hz, 24Hz, 25Hz, 29.97Hz, 30Hz

1920x1080p @ 23.976Hz, 24Hz, 25Hz, 29.97Hz, 30Hz, 47.96Hz, 48Hz, 50Hz, 59.94Hz, 60Hz

2048X1080p @ 23.976Hz, 24Hz, 25Hz, 29.97Hz, 30Hz, 47.96Hz, 48Hz, 50Hz, 59.94Hz, 60Hz

2048X1080i @ 47.96Hz, 48Hz, 50Hz, 59.94Hz, 60Hz

2048x1556PsF @ 14.98Hz, 15Hz, 18.98Hz, 19Hz

4K UHD 3840x2160, 4K P/PsF @ 23, 24, 25, 29, 30fps

4K DCI 4096x2160, 4K P/PsF, @23, 24, 25, 29, 30fp

# AUDITORIUM
## LIVESTREAM
## POSSIBILITIES

## Livestream / hybrid events

The auditorium has all in house facilities for a livestream production. Whether it's a hybrid concept with live audience or an XXL studio setting. The grandeur of the auditorium combined with the panoramic projection screen is a unique decor for both online and live attendees. Whether it's a keynote speaker, a TV broadcast, an award show or an artist performance, our expert team will organize all matching facilities.
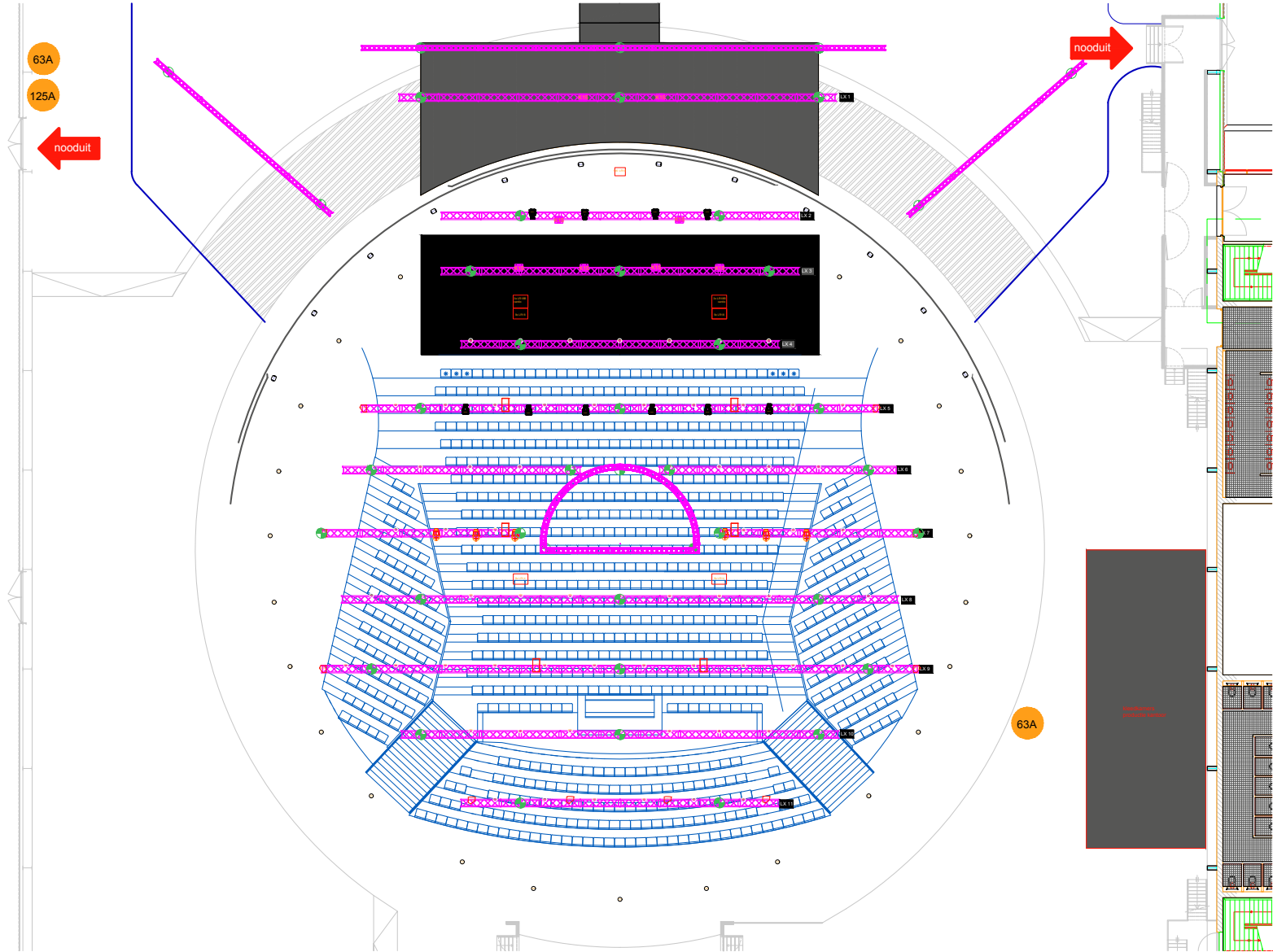
# AUDITORIUM

## OPTIONAL LIVESTREAM FEATURES







## OPTIONAL LIVESTREAM FEATURES

| CAMERAS | 2 | Panasonic AW-UE150WEJ — PTZ Camera |
|---|---|---|
| | 1 | Panasonic AW-HN130WEJ — PTZ Camera |
| | 1 | Panasonic AW-RP60GJ — Camera remote |
| SWITCHER | 1 | Panasonic AV-HS450E — Camera Switcher |
| STREAMING | 1 | vMix production PC |
| | 1 | vMix streaming PC |

| STREAM PLATFORM | Vimeo Premium |
|---|---|
| RECORDING | Available via online download or harddisk |
| POST EDITOR | Available on request |

| HANDHELD CAMERA | Sony FS9 |
|---|---|
| DOLLY CAMERA | |
| PTZ CAMERA | |
| CRANE | Crane with JIB (7/9 meters) |

*Livestream features are not included in the standard venue rental price.
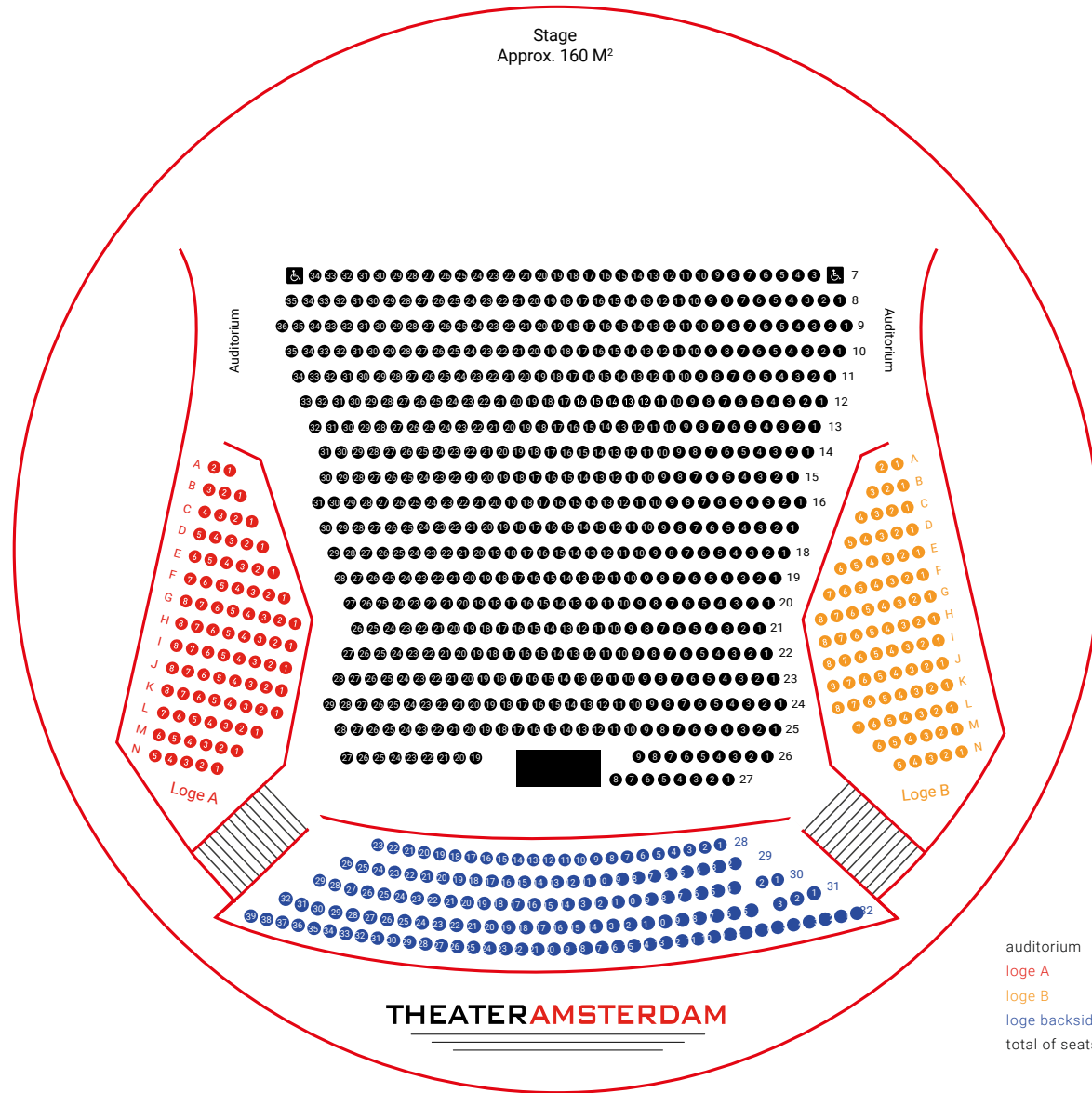
# LIGHT, SOUND & RIGGING FLOORPLAN

# SEATING
# PLANS

# SEATING PLANS

## Seating capacity - standard

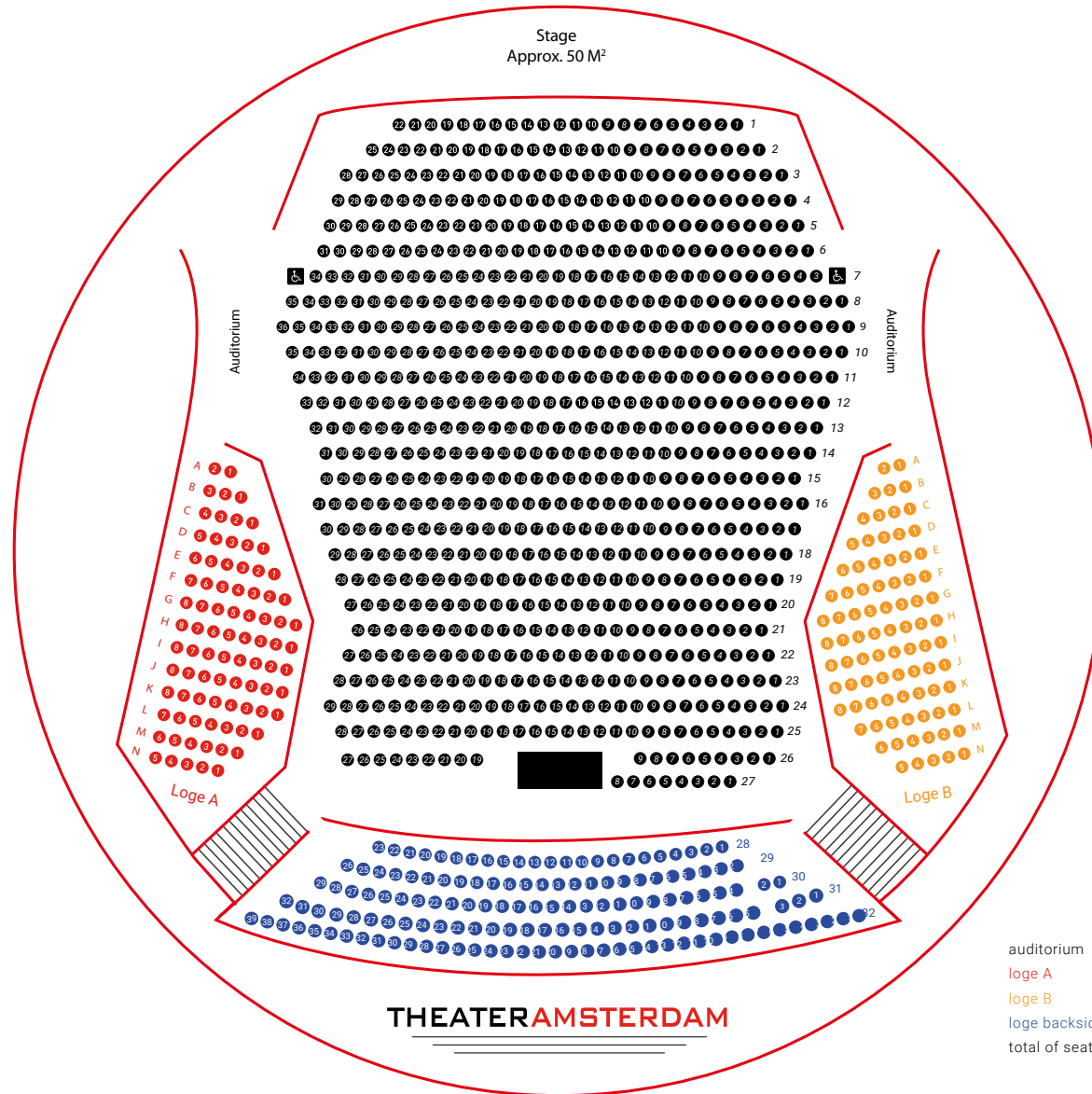

Stage
Approx. 160 M²

Auditorium

Loge A

Loge B

THEATER AMSTERDAM

| | | |
|---|---|---|
| auditorium | 607 | seats |
| loge A | 85 | seats |
| loge B | 85 | seats |
| loge backside | 149 | seats |
| total of seats | 926 | |

# SEATING PLANS

## Seating capacity - extended

Extra costs are involved



Stage
Approx. 50 M²

Auditorium

Auditorium

Loge A

Loge B

THEATER AMSTERDAM

| | | |
|---|---|---|
| auditorium | 772 | seats |
| loge A | 85 | seats |
| loge B | 85 | seats |
| loge backside | 149 | seats |
| total of seats | 1091 | |

# THEATER**AMSTERDAM**

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## MARTIN DE RIDDER
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The innovative audiovisual expertise of our in-house technology specialists ensure an unforgettable event. Theater Amsterdam works with JUR as a preferred technical partner exclusively. With their extensive experience, we are able to offer the best support for your event. For other external technical companies a buy out fee will be calculated.

Inspired? Contact our technical producer for a tailored proposal.