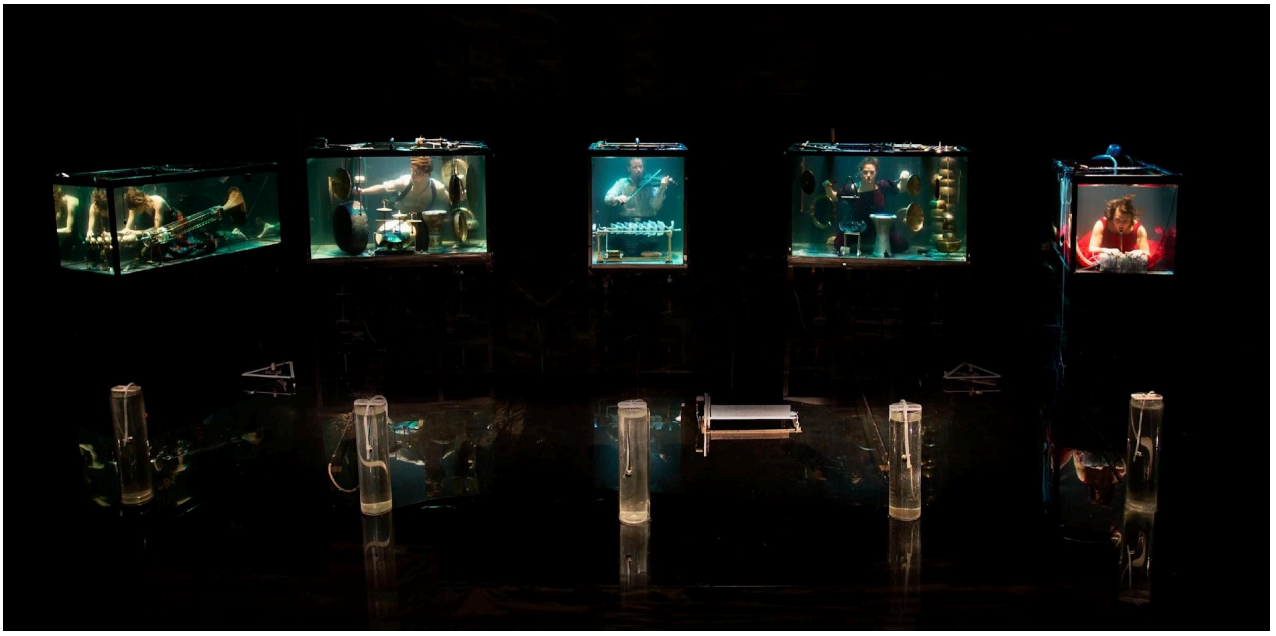


AQUASONIC

by Between Music

Technical rider

Updated June 2026

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General info

AquaSonic (AQ) is a visual music performance without intermission. The performance is designed for a traditional black box theatre with grid ceiling, or a proscenium theatre with flybars. AquaSonic requires a stage with a black floor, legs and borders depending on the venue. AquaSonic requires a large amount of water to be used to fill five glass tanks/aquariums and a large water mirror installed on the stage floor.

Between Music (BM) brings five large set pieces. Five heavy duty glass boxes with electrical and water system. The glass boxes will be filled with water while on stage and will be maintained by BM. The requirements for minimum dimensions have to be met with seriousness.
This is a water based performance, we have been working on this performance for over 10 years. We are experienced and trained with this set-up and performance. Keep in mind the timings and specs asked for in this rider are based on the experience we have.

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Performance info

Duration: 55 min without intermission.

General requirements:

Stage size: minimum 12 m wide x 8 m deep
5 to 7m height to light bars / lighting rig
This is an expression for the floor set, and therefore cannot be compromised.
Floor set can be widened to 14 m on bigger stages.

Water: AquaSonic requires about 12.000 liters water on stage. Approved drinking water

Weight: 5 heavy tanks/aquariums are placed on stage.
Stage must be able to hold the weight:

- Two (2) Percussion aquariums - 3000 kg each, when filled.
  H: 195 cm W: 182 cm D: 125 cm
- Two (2) Vocal aquariums - 2000 kg each, when filled.
  H: 170 cm W: 200 cm D:90 cm
- One (1) Violin aquarium - 1500 kg when filled.
  H: 195 cm W: 100 cm D: 100 cm

Total weight of aquariums: 11.500 kg
Total weight on stage, including water: around 17.000 kg.

These requirements to size and weight must be met with seriousness!

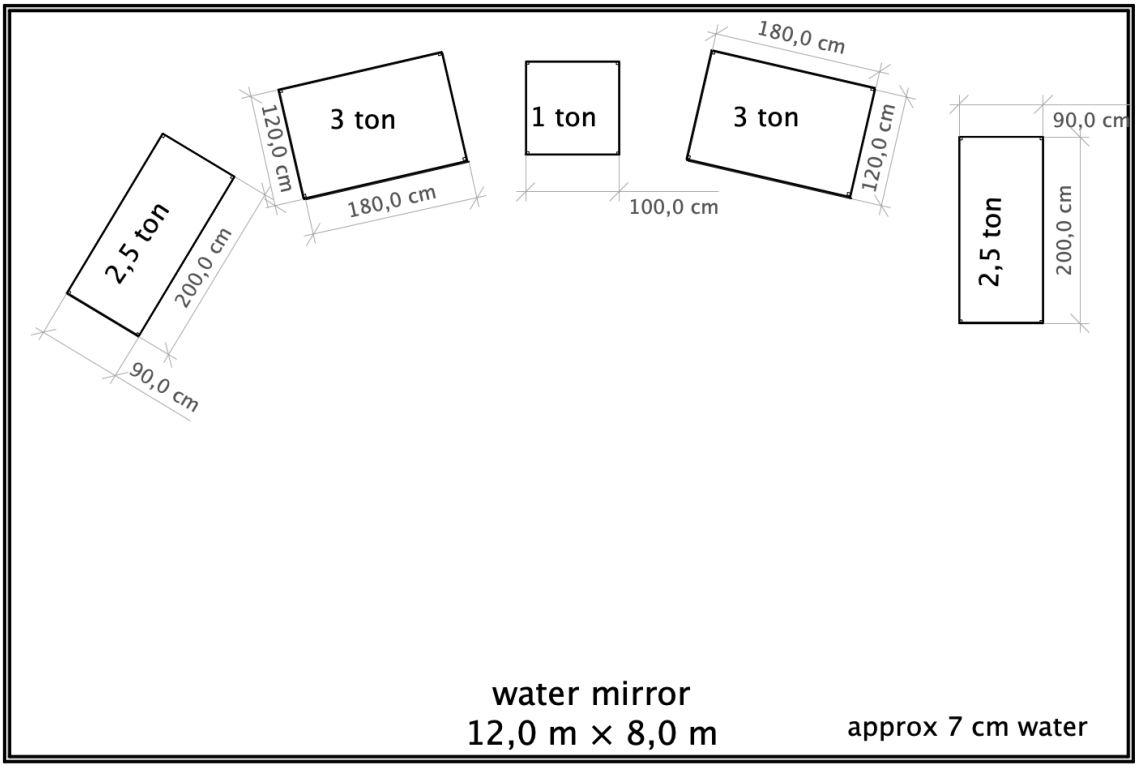
Darkness: Complete black out in auditorium and on stage.
Including staircase light and bright safety light.

Access: Access to stage from load-in with pallet jack or truck.
Access from load-in to stage must be minimum 135 cm wide and 200 cm high.

Video of setup: Here
Password: Tech view

Stage setup

Placement can vary slightly depending on venue



Production plan

This is an example. Precise individual time schedule will be made according to venue facilities and conditions.

- Day 1
    - Pre-rig by local crew before Company arrives.
    - Company technical crew (3 pax) and 3 performers arrive to city.
    - Inspection of venue by Company tech crew.
- Day 2
    - 9.00 - 10.00 Load out of truck
    - 10.00 - 22.00 Setup and filling tanks
    - Remaining 2 artists arrive to city
- Day 3
    - 9.00 - 18.00 Continue setup. Sound check and rehearsals. Filling water bassin
    - Rehearsals / media calls
    - 19.00-22.00 Optional rehearsals
- Day 4
    - Opt rehearsals / media calls
    - SHOW
    - After last show, local crew empties water on stage (4 hours)
- Day after last show
    - 9.00 -15.00 Breakdown and laundry
    - Crew departures

Note: Cold water contains more air, which dampens the sound. The air needs to have time to vanish. So **if venue has only cold water:** show can be earliest at day 4 as shown.

If venue has hot water, enough to fill the tanks, 7000 liters - and if professional venue with prepared light and sound, **setup might be shortened**. This is agreed with Between Music's Technical Director.

Crew

Company crew

During setup:

- 1 Tech director / stage manager
- Sound engineer
- Light engineer
- 1 artist / innovative director
- 1 artist
- Artistic director (not present during setup in all venues)

Venue crew requirements

➡ Head Sound and Head light technicians must be available at all working times.
➡ A stage director / technical director must be on call during all working hours.
➡ If local tech staff doesn't speak English, a translator with tech skills Is needed during Day 2, (first setup day).
➡ Water proof rubber boots available for venue crew, including hands. Stage will be filled with ca 6cm water.

- Day 1:
  - Pre-rig:
    - As needed to meet company requirements
- Day 2:
  - Load in / setup
    - 2 stage technicians + 1 light technicians + 1 sound technician
    - Full day, morning to evening
- Day 3.
  - Setup / sound check / light focusing / rehearsals
    - 1 allround technician available
- Day 4
  - Opt rehearsals / show
    - Venue crew as required by venue
- Day after last show
  - Breakdown
    - 2 stage technicians + 1 light technicians + 1 sound technician
    - 4-6 hours depending on conditions.

Dressing rooms

- All dressing rooms must be close to the stage, clean, heated and lockable.
- 1-2 dressing rooms are needed depending on size. There are 2 male and 3 female artist.
- Hot showers
- Clean towels, 2 for every artist. 10 pcs. in total.

Laundry

- Laundry and tumble dryer. Before, between and after shows.
- Very important to dry all costumes and BM towels after the last show so it doesn't get shipped wet.

Catering

- Snacks & fruit (preferably organic). Refilled every day after need
- Coffee, tea, water. Refilled every day after need
- Accurate lunch and dinner for all crew and artists on set times (agreed upon before arrival)
- 1 tray of beer to be placed in dressingroom after show.

Backstage

- Company office with high speed internet connection.
- Lounge / green room

Security

Please provide security for Between Music's technical equipment and dressing rooms whenever this may be required.

Stage

The show's performance area is a large water bassin, 12x8m with a wooden frame, 10 cm high. Additional space behind this area (minimum 1 m) is required for light and technical equipment

The stage should be black or dark wood - or concrete and include a dark of black backdrop.

The floor must be completely flat.

Depending on the venue, the stage should include black legs and borders.

Room temperature at least 19 degrees C, 24h

The stage surface should be free from splinters, holes, and/or other obstructions, and must be swept clean prior to the company's arrival. The stage area must be free of any obstructions, i.e. large set pieces, orchestra/choral shells and pianos.

Floor protection: Aquariums are placed on a double layer rubber tarpaulin with a frame. This construction serves for protecting the floor from water, but is also filled with a layer of water for visual effects.

Water curtain: A fine water curtain is used during the performance. This hangs in the rig, one long tube with nozzles. See light plot page 8. A hose is attached to either a pump or a water supply, depending on the venue facilities. The water from the water curtain falls down on the water mirror.

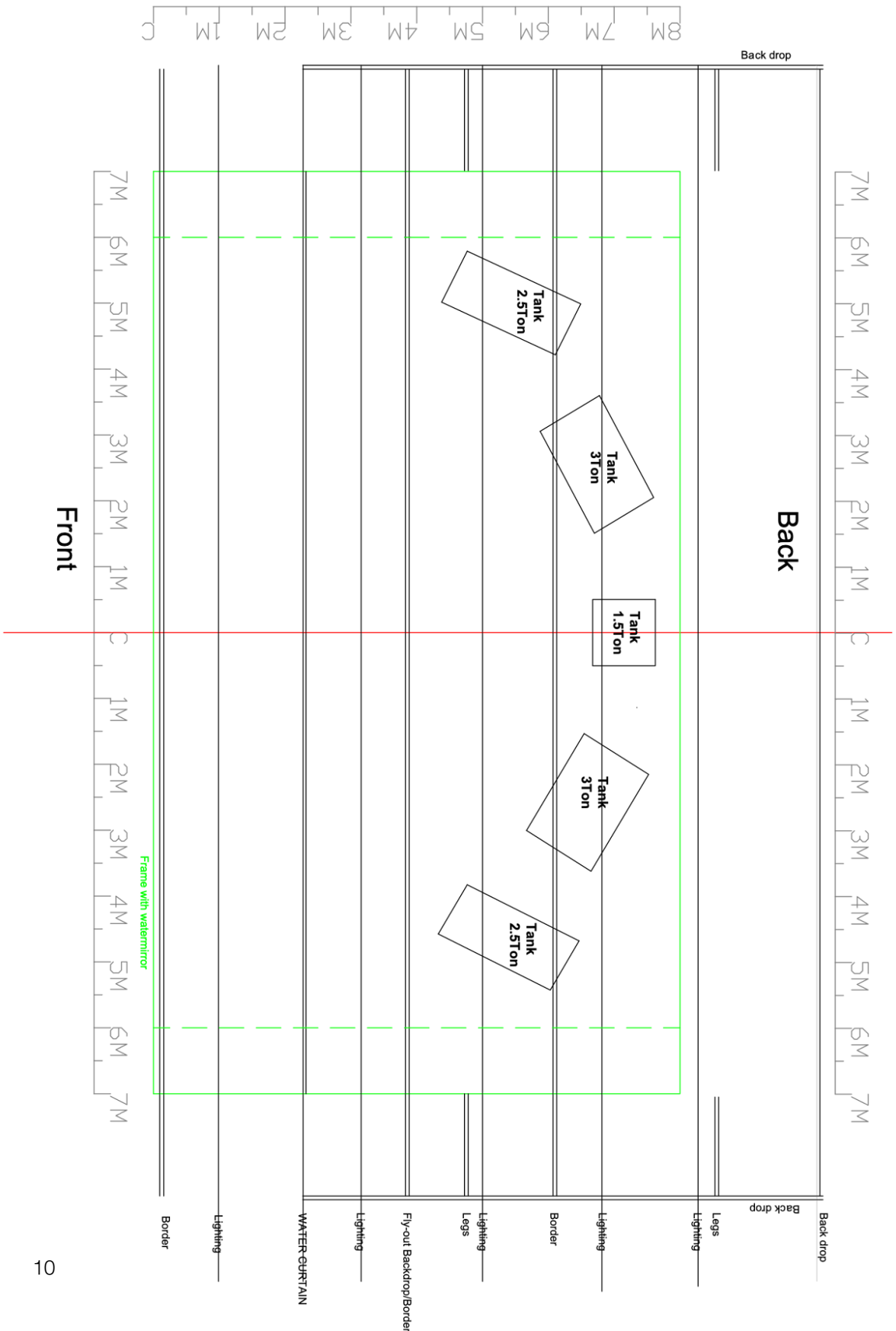
Between Music brings:

- All set elements
- Power distribution boxes. (63A and 32A with RCCB)

The venue provides:

- Full black masking of the stage area.
- Pallet jack. Preferably one long and one regular. Cannot be replaced by fork lift.
- If needed, fork lift or manitou to lift tanks on to stage
- Suitable ladders or lifts for working on light, sound, stage
- Electrical power: (must be GROUNDED!)
    - 400 V for pumps and heaters, 1x63A CEE outlet on stage. In addition to the power supply needed for sound and light.
- Items for washing floor
- Supply of towels or other for drying the rubber tarpaulin and floor during breakdown

Stage plan


Back drop
Back
Front
Tank 2.5Ton
Tank 3Ton
Tank 1.5Ton
Tank 3Ton
Tank 2.5Ton
Frame with watermirror
Back drop
Legs
Lighting
Border
Lighting
Legs
Lighting
Fly-out Backdrop/Border
Lighting
WATER CURTAIN
Lighting
Border
Back drop

Water Requirements

There must be access to clean **drinkable** water for filling the aquariums, within 25 m from center of stage. Longer distance can be solved by longer hoses.

If fire hose supply or tank truck is used, water quality must be checked.

Often fire departments use chemicals in the water from a water truck. Check if this is the case and cleaning process must be done.

There must be access to drain, within 25 m from center of stage. AquaSonic needs 12.000 liters of water on stage. Longer distance can be solved by longer hoses.

The water in the tanks (7000 liters) might be necessary to be replaced if AquaSonic is performed for a longer period.

Notify Between Music regarding these questions at least 21 days before show:

- How far is water supply from stage?
- How much is the water pressure approximately?
- Send picture of water supply
- Is water hot or cold?
- How far is drain from stage?
- How is the water; soft / hard / uses chloride / lot of limestone?
- Is the water clean and drinkable?

Between Music brings:

- 2 x 25 m hoses
- 2 drain pumps with fire hoses
- water vacuum cleaner

The venue provides:

- Access to water supply within 25 m from stage
- Access to drain within 25 m from stage
- If possible, extra pump and water vacuum cleaner, to speed up breakdown
- Towels or similar for drying floor during breakdown

Freight / Load-in dock

The AquaSonic set travels in one 17 m truck with a 13.6 m long trailer.

LOADING DOCK AND ACCESS TO STAGE

The truck must park for load-in and load-out as close as to the venue as possible.

Any differences in height (doorsteps or other) must be leveled with ramps or other in order to be able to roll in and out set and technical equipment.

Access from the loading dock all the way on to the stage must be at least 200 cm high and 120 cm wide and we need to be able to turn corners with 5 m long elements.

NOTE: The heaviest tanks weigh over 700 kg when empty, and must be transported with fork lift or pallet jack from truck to stage.

Send a video of route to be taken when unloading truck - that is, a video from loading dock to stage.

VENUE PROVIDES:

- 1 loading ramp/elevated loading ramp, the same height as the truck.
- 2 pallet jacks, on long and one short. Maximum width 58 cm for the short. (necessary)
- 1 forklift with long forks, including driver, for the entire load-in and load-out. (optional)

Storage space

During performance an area of 15 m2 are required for storage of empty flight-cases and shipping caskets.

Drawings

Scale must be specified in all drawings.

VENUE PROVIDES:

- Plan drawing of stage and auditorium, pref. both dwg and pdf
- Grid plan, fly bar plan, pref. both dwg and pdf
- Section plan of stage and auditorium, pref. both dwg and pdf
- Light plot of venue, pref. both dwg and pdf
- Lists and specifications of all the venues technical equipment.
- Pictures and/or description of loading bay (heights/widths, entrance measurements etc.)
- Description of water access and drain. Specs, and preferably pictures. Light

LIGHT

The light for AquaSonic is designed to hang from Flybars/Rig/Truss, and 7 floor stands. All equipment should be pre-rigged as shown on the light plot before the arrival of the company's technical crew. If flybars/rig/truss are visible for the audience, they should be black.

All lamps must have safety wire connected to truss and **IP grading for splashing water**.

Please send us plot of house light, dimmer plan and patch plan well in advance.

Between Music brings:

- LED lamps for cylinders with transformers (ch71) and rolls for scrollers (floor, silhuet).

The venue provides:

Placement	Type	Amount	filter	
Truss			L115	L200
	ETC Sc4 750W, 15-30dg	13	5	
	ETC Sc4 750W, 25-50dg	27	5	7
	ETC Sc4 750W, 19dg	8		
	ETC Sc4 750W, 50dg	7		
	2kW fresnell W/barndoors	12	8	
	ETC Lustr 2 70dg	5		
	ETC Eos Apex 5 or higher	1		
	Drop-in Iris for ETC 750W	8		
	Floorplates	5		
	Stands 1.8m	8		
	10A Dimmer outlets	72		
	Ballast for low wattage	3		
	sufficient appropriate cabling			

Note: light console must be with latest update.

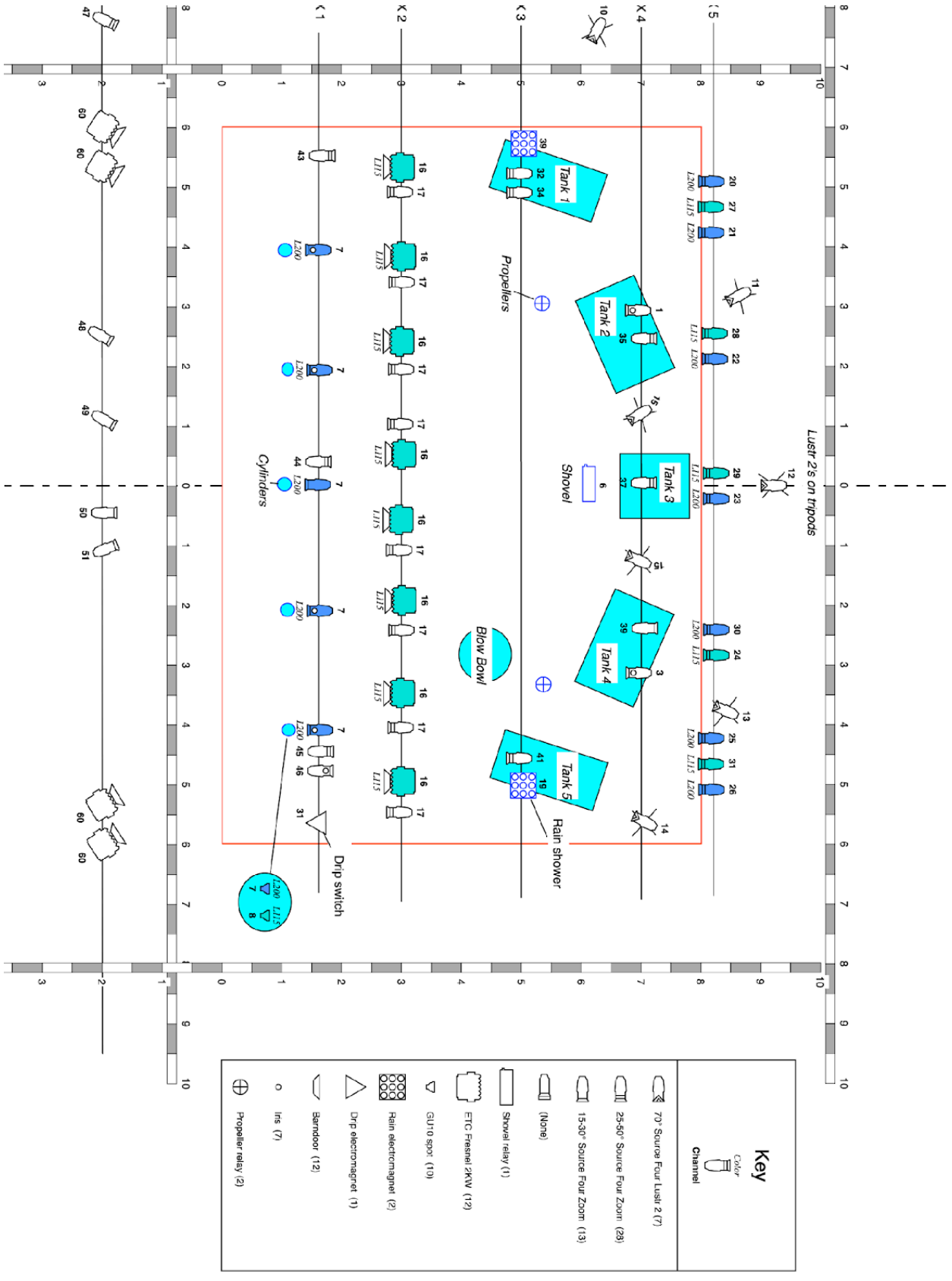
All profiles must have knives. All fixtures must have safety wires. Please provide spare fixtures of every type.

Lens spread and wattage of all light fixtures are venue specific. See light plot adjusted to venue. The light plot does not include audience lighting for the audience.

1x Table for the Lighting Console 2x1m. Minimum, next to the sound table.

LIGHT PLOT OVERVIEW

(will be made venue specific)



Sound

Between Music brings:

- All hydrophones
- In-ear monitors
- Headphone amp
- 2x Shure Beta SM58
- 2x 24/8 multicore

The venue provides:

Cables

- 10x XLR(male) -XLR(female) 5m.
- 5x XLR(male) -XLR(female) 15m.
- 4x XLR(male) -XLR(female) 1m.

Microphones and DI's

- 8x Shure SM57/58 Microphone holder 3/8" - thread
- 3x Shure SM57
- 3x Shure Beta SM58
- 1x Any Wireless talkback microphone + receiver
- 2x Mic. stand (black) short Note: Will be placed in water
- 2x Mic. Stand, long

FOH

- 1x Full range sound system with deep sounding SUB's.
- 1x Midas Pro2 or Pro2c mixing console At FOH position
- 1x DL251 stage rack for Midas Pro (48in - 16out) On stage
- 3x Cat5 for connection between Midas Pro2 and DL251
- 4x Ethernet Cat5 cable 2m.

Power

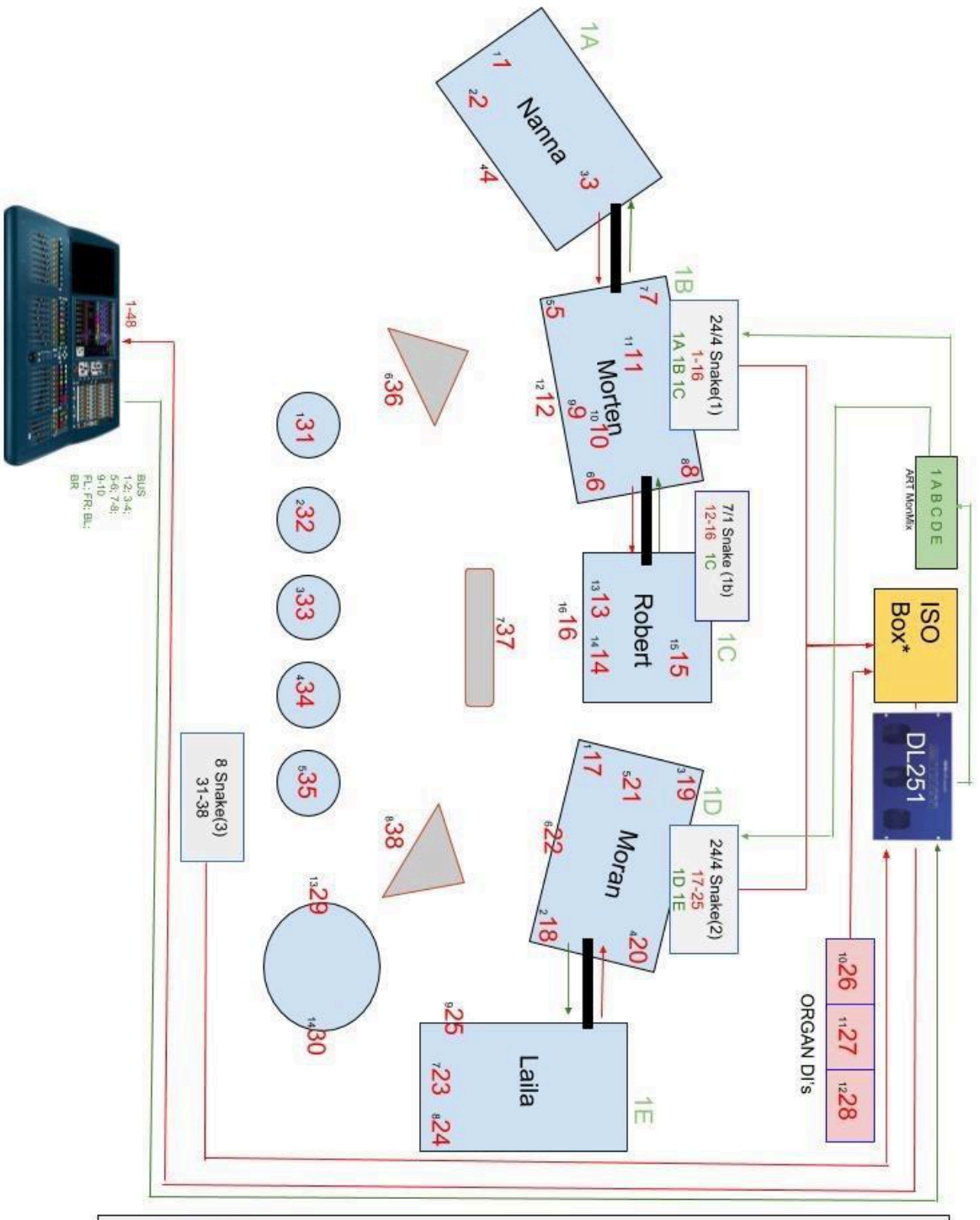
- 15x European Standard Type E, F or K 2-10 meters extension cords with minimum 3 outlets each.

Other

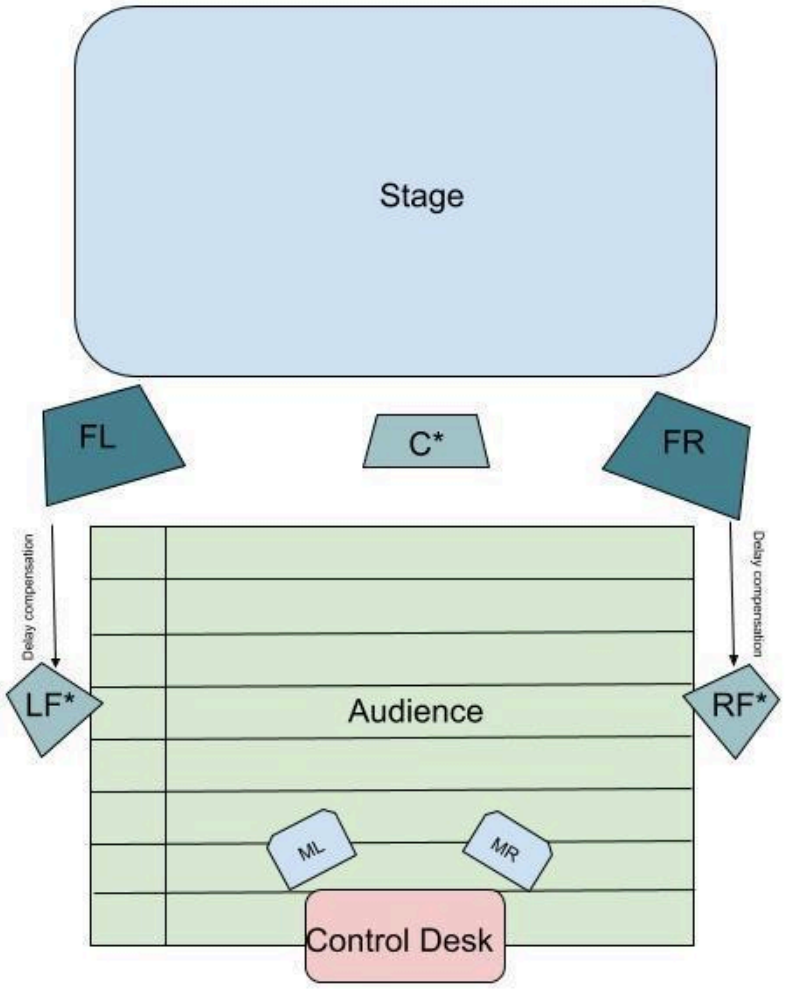
- 1x Table (+chair) for the Sound Console 2x1m. Minimum.
- 1x Music Stand (for sheets)
- 1x Black Gaffa Tape
- 1x Vinyl Tape
- 1x Minimum 2 pieces Walkie Talkie connection between Sound+Light control table and Stage.

NOTE: It is very important to use the same Electrical Phase for sound equipment on stage and at mixing position.

SOUND CONNECTION PLAN



	Name	SNAKE	MIDAS
1	NA VOC	(1) 1	20
2	NA OH	(1) 2	21
3	NA ROTA(1) 3	22	
4	NA 57	(1) 4	25
5	MO BD	(1) 5	1
6	MO FR	(1) 6	2
7	MO BL	(1) 7	3
8	MO BR	(1) 8	4
9	MO OH	(1) 9	5
10	MO COIL	(1) 10	6
11	MO PERC	(1) 11	7
12	MO 57	(1b) 12	17
13	RO OH L	(1b) 13	18
14	RO OH R	(1b) 14	19
15	RO VIOLIN	(1b) 15	26
16	RO 57	(1b) 16	8
17	MO FL	(2) 1	9
18	MO FR	(2) 2	10
19	MO BL	(2) 3	11
20	MO BR	(2) 4	12
21	MO PERC	(2) 5	13
22	MO 57	(2) 6	27
23	LA VOC	(2) 7	23
24	LA OH	(2) 8	24
25	LA 57	(2) 9	28
26	LA OBS	(2) 10	14
27	LA OBE	(2) 11	15
28	LA OAL	(2) 12	16
29	LA KAR L(2) 13	29	
30	LA KAR R	(2) 14	30
31	CYLINDER 1	(3) 1	31
32	CYLINDER 2	(3) 2	32
33	CYLINDER 3	(3) 3	33
34	CYLINDER 4	(3) 4	34
35	CYLINDER 5	(3) 5	35
36	BØLGE 1	(3) 6	36
37	BØLGE 2	(3) 7	37
38	BØLGE 3	(3) 8	38
	Returns:		
	1A Nanna	(1) 1	
	1B Morten	(1) 2	
	1C Robert	(1b) 3	
	1D Moran	(2) 1	
	1E Laila	(2) 2	



FOH

FL - Front Left Speaker
FR - Front Right Speaker
C* - Center
LF* - Left Fill
RF* - Right Fill
ML/MR** - Control Monitors
* - Optional. Depending on venue size and acoustical characteristics
** - Optional. Depending on mixing position. In case if control desk is based under the balcony, between walls or far away from main source.

All speakers might be linked together or have separate send from the console, though there will be limited amount of sends (max 6 from the stage), withal have to be sure there are delay compensation between FL/FR and LF/RF.

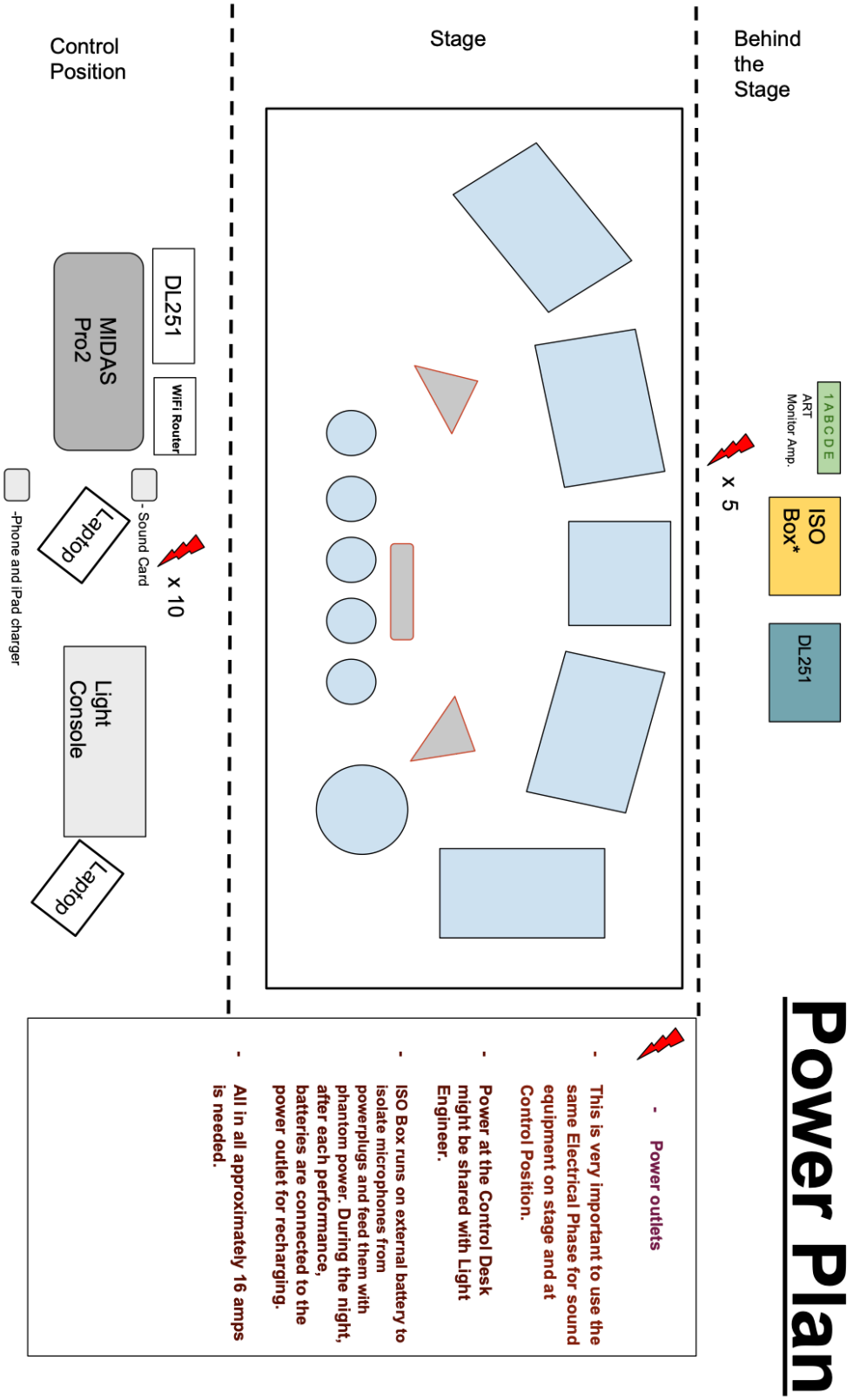
The signal to Speakers/Amplifiers can be sent either from the Stage or Control Desk. ML and MR will be connected directly from console.

Placement of the SUB's can vary depending on a venue. However important to cover audience with more or less even SUB level.

There is no special preference to the sound system. However we need not distorted, free from noise and other interferences full range sound (20Hz - 20kHz) with minimum 110db SPL to a middle of audience placement so that we have enough headroom to work with.

During the show sound level will be from around 60 db to 95 db with rare peaks up to 110 db.

We take our listeners health seriously, and will make sure they have a good experience.



Power Plan

- Power outlets
- This is very important to use the same Electrical Phase for sound equipment on stage and at Control Position.
- Power at the Control Desk might be shared with Light Engineer.
- ISO Box runs on external battery to isolate microphones from powerplugs and feed them with phantom power. During the night, after each performance, batteries are connected to the power outlet for recharging.
- All in all approximately 16 amps is needed.