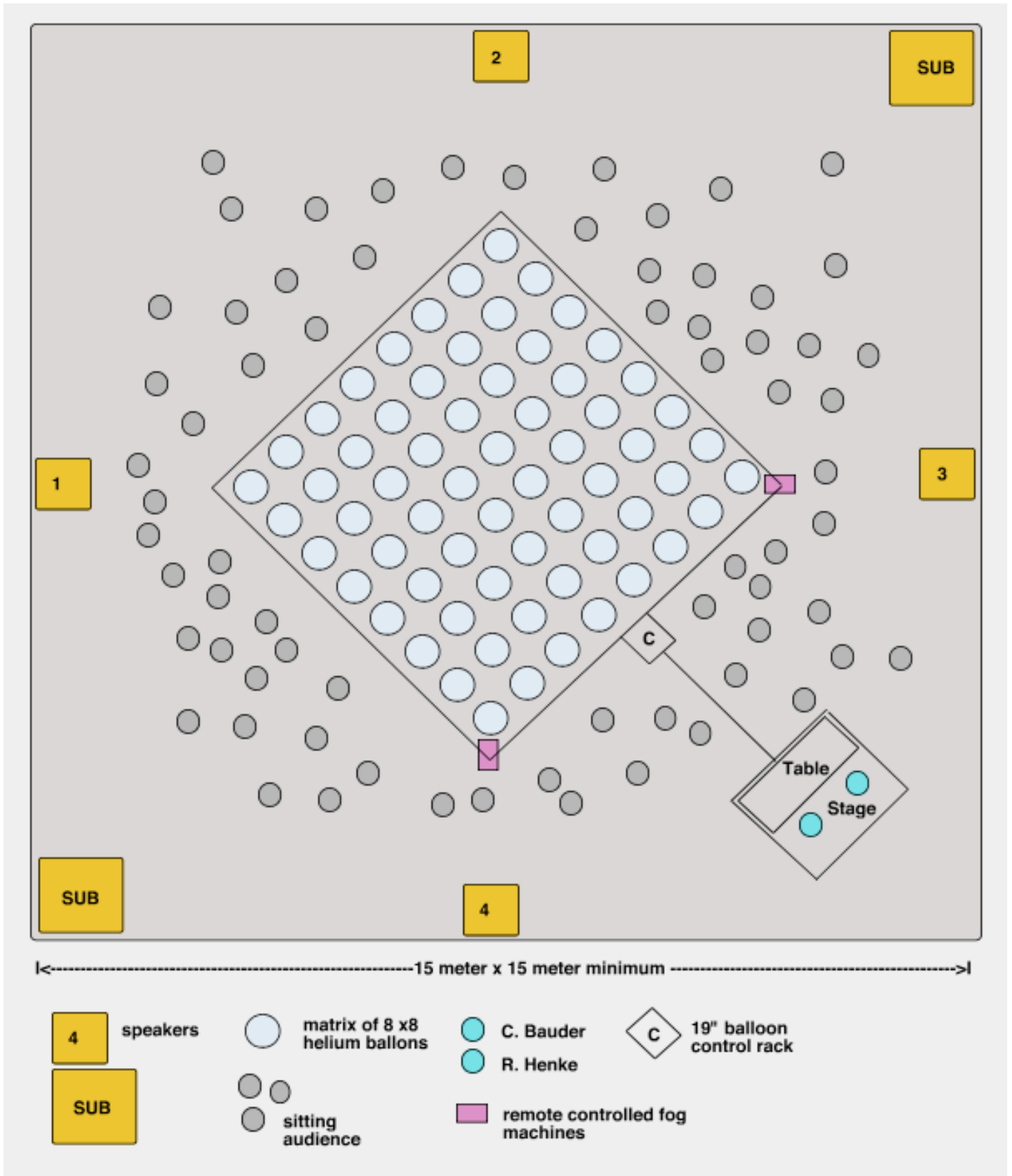


C.Bauder / R. Henke ATOM 2010

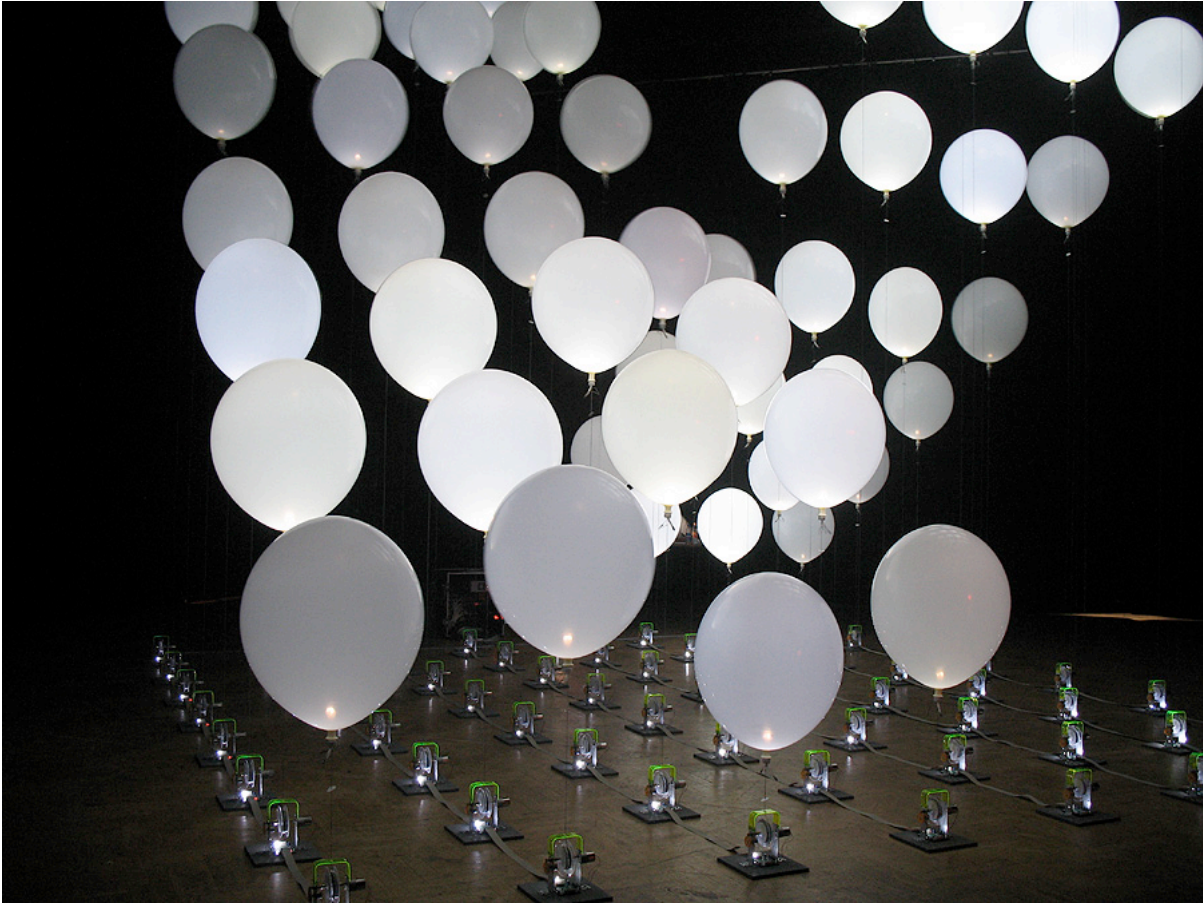
technical rider & stage setup



This rider is an essential part of the contract. If conditions as stated in this rider are not met at venue, we reserve the right not to play the show and invoice the fee nevertheless. If there are any open questions regarding our needs do not hesitate to contact us as early as possible.



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1. About the performance

Atom is a performance for a matrix of 64 gas balloons, lights, and sound.

The height of the helium balloons is adjusted with computer-controlled cable winches. The internal illumination is accomplished using switched super-bright LEDs, creating a pixel in a warped 8x8 spatial matrix. The sonic events, the patterns of light, and the movement of the balloons are manipulated in real time as a 45-70 minute-long performance.

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2. Space and Location of Artists and Audience

Atom needs a room with at least **15 meters to 15 meters** free space, and a minimum height above the balloons of **9 meters**. All balloons need to be able to go up to 9 meters at any position within the square.

The balloons form a square of 8 meters x 8 meters in the center of the room, as shown on page 2.

The audience is seated around the balloons. There are two possible options:

a) Audience sitting on chairs.

The balloon matrix needs to be set up on a 8 meter x 8 meter stage, 60 cm high above ground. The artists also need to be placed on a stage, 2 meter x 2 meter, 60 cm - 90 cm high.

or

b) Audience sitting on the floor, on cushions or carpet.

In this case the balloon matrix has to be placed on the ground too, without the stage. Also there is no need for a stage for the artists.

Scenario a) or b) has to be confirmed prior arrival.

3. Setup Time, Soundcheck and Removal

Setting up the balloons and takes one complete day. (ca. 8 hours). We need **three** helpers for setup. Sound is best set up also during this period.

Day before the performance: Setup of balloons and sound. Technical sound check.

Day of performance: Rehearsal, Fine-tuning of sound. Reserve 4 hours for this.

Removing the installation takes 2 hours, we also need **two** helpers for this. Removal can be done right after the show.

Helpers need to be able to carefully unpack / pack the 64 winches and cables.

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4. Sound

For Atom we provide *five channels of audio; four fullrange signals and a signal for the subs:*

1. Full Range 1
2. Full Range 2
3. Full Range 3
4. Full Range 4
5. Sub Channel

We need a mixer with 6 inputs, and 4 subgroups + master. A **Mackie VLZ 1604** or would be perfect.

4.1 Location of speakers

See drawing on page 2.

Speakers are located on four edges of the room. Speakers need to hang from the ceiling, pointing to the audience on the other side of the balloons.

Mounting the speakers on stands is not sufficient.

Ideal placement of subs need to be figured out on location during soundcheck.

4.2 PA requirements

The music for Atom has a high dynamic range with a strong focus on the low end.

PA needs to be capable of delivering a sound pressure level of 120 dB without clipping over a frequency range of at least 35 Hz - 20 kHz.

Speakers 1 - 4 need to be of same type.

Speakers need to have a wide dispersion angle of 60° or more.

The minimum requirement for a 15 meter x 15 meter x 10 meter room would be:

4 x d&b audio C7-TOP,
2 x d&b audio B2-SUB, or

4 * Meyer Sound CQ-1
2 * Meyer Sound PSW-2 or 2 * Meyer 600-HP

or equivalent.

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Type of PA needs to be confirmed before arrival at the venue.

4.3 Audio Recording

Unless explicitly allowed, recording the show is absolutely forbidden.

5. Balloons

We provide the balloons, the cable winches, the control unit and the cables to connect all this.

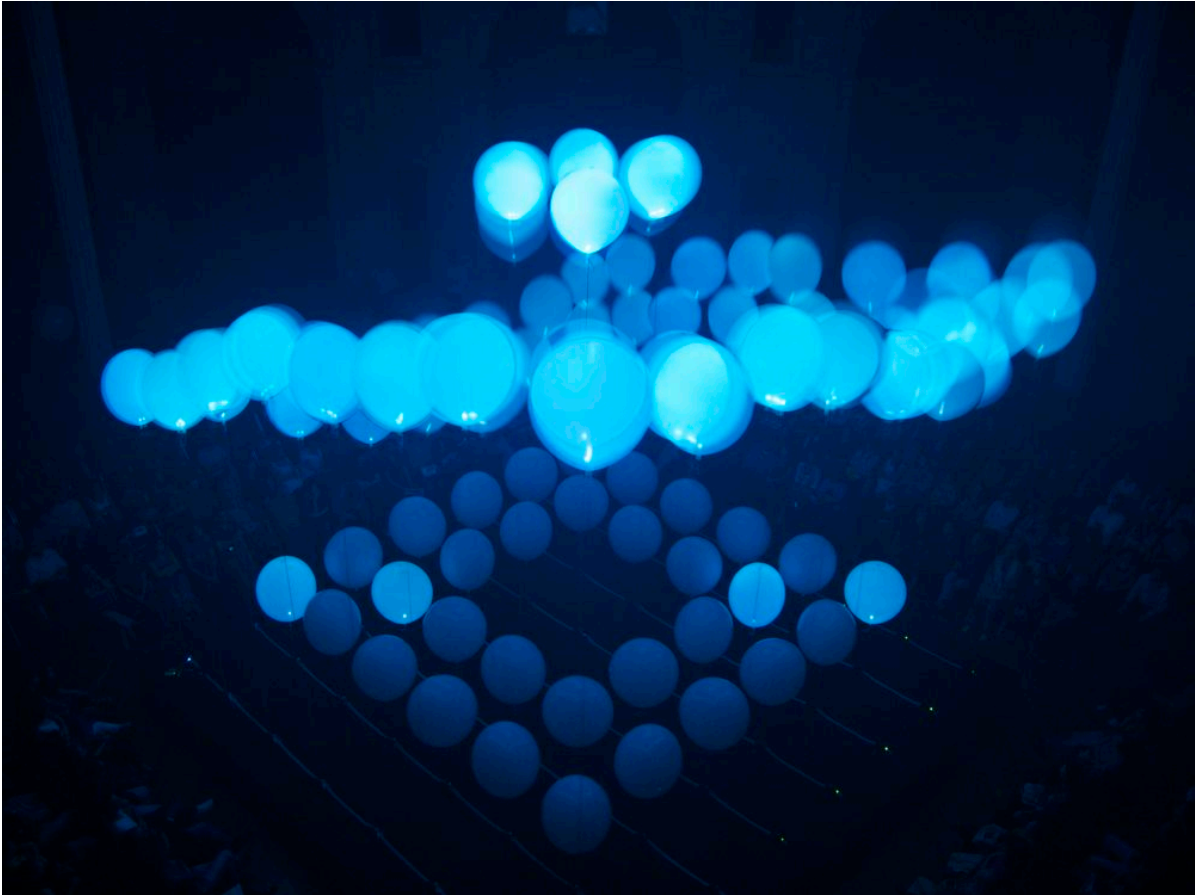
Venue needs to provide:

2 x **50L bottle of helium** (balloon gas) with special balloon filling valve.
2 x remote controllable **fog machines**.

Location of the fog machines see drawing on page 2. Remote control for fog machines need to be place on the artists table.

Wind: During the performance no air condition can run - the air flow would disturb the balloon patterns. Also open windows or doors etc. might cause problems.

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6. Light / Darkness

During the performance we need absolute darkness.

This means, that during the performance even fire exit lights need to be covered. This can be done by helpers standing next to the fire exits, covering the lights with something that can be removed when those helpers go away, like a piece of cardboard on a stick.

It is essential that it is completely dark. This also means that there shall be no windows thru which street lights or building illumination could leak.

Before and after the show we'd like to have **red** light. If possible we prefer sharp edges of light on the ground, as shown in the photo above, creating a square around the balloons.

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7. Total Cost

- Fee to the artist (+ booking fee for agent)
- Filghts for two persons
- Shipping of Equipment
- Helium (2 * 50 L / per performance)
- 64 Balloons / per performance

8. Questions

If you have any questions or concerns regarding this rider please do not hesitate and ask.

Contact: Heike Fetzer: office@roberthenke.com

text and graphics: @ Robert Henke 2010.
photos by Justine Lera

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