

TECHNICAL RIDER

Pavillon Fuller - Jordi Galí

Participatory project



- **PRESENTATION**

Pavillon Fuller is a participatory project, which proposes an experience that is sensitive with the body, the construction of a collective work – light and ephemeral – as well as a moment where it is presented to the general public.

The timeline of the project is variable depending on the different groups, the spaces available and the objectives that are defined with the Organiser. Nonetheless normally the artistic team arrives the day prior to the beginning of the workshops, and two days is the minimal amount of time to realise the project with the participants: an entire day to build the wings, half a day of training and rehearsing how to build the volume of the structure and a public presentation at the end of the second day.

Project duration with the participants: 2 days

Duration of the public presentation: 15 minutes

Artistic team: 2 members of the Arrangement Provisoire Company

Participants: between 9 and 15 persons, 15 years of age upwards

Dimensions of the final structure:

- height: 6m
- on the ground: 2mø
- wingspan: 8mø

- **SPACES**

The project takes place over several different working axes: body warm-up, fabrication workshop, rehearsals and presentation. Each of these working sections have specific requirements in the space.

Warm-up

Space needed gymnasium or dance studio

At the beginning of each day or each session we propose to all the participants a moment specifically dedicated to the body, with a warm-up including both individual and group exercises. In order to do this, it is desirable to have a quiet space such as a gym or dance studio that is suitable for attentiveness and will allow us to comfortably welcome all the participants.

These time slots can also be organised in the same space that will afterwards be used for the construction workshops, rehearsals and presentation.

Fabrication Workshops

Clear, open exterior space 10 x 20 m.

With the participants we will fabricate the 3 wings (4 x 6 m each) that make up the Pavillon Fuller.

The workshops are normally done outside, on or in proximity of the rehearsal and presentation space.

If this is the case, the maximum distance between each space must be no more than 100 m. If it has to be realised indoors, you must provide a 3 x 4 m access to extract the wings once they are assembled.

Rehearsals and Public presentation

Outdoor circular space 15 to 20 m in diameter and clear overhead to a height of 7 metres.

Prior to the presentation, we rehearse with the participants on how to create the volume of the structure.

During the presentation, the audience will be placed outside the playing or construction area.

- **GENERAL SCHEDULE**

2 days prior to performance: Arrival, set up (only the members of the Company)

- 10 pm / 12.30 am: arrival, site visit
- 2 pm / 6 pm: set up

1 day prior to performance: With the participants: warm-up and fabrication

- 10 am / 11 am: warm-up
- 11 am / 1 pm: fabrication
- 1 pm / 2.30 pm: lunch break
- 2.30 pm / 5.30 pm: fabrication
- 5.30 pm / 6 pm: debrief with the participants

Performance day: With the participants: warm-up, rehearsal and presentation

- 8 am / 10 am: rigging of the mast by the Company members
- 10 am / 11 am: warm up
- 11 am / 1 pm: rehearsal
- 1 pm / 2.30 pm: lunch break
- 2 pm / 4 pm: rehearsal
- 4 pm / 5.30 pm: break
- 5.30 pm / 6 pm: public presentation

Day after: Departure

- **SPECIFIC REQUIREMENTS**

Storage

Between the first and second day of the project a secure space is required to store the wings and the mast (indoors or outdoors).

Dimensions for storage: 7 x 7 m on the ground with a height of 5 m.

Rigging

In order to stay upright, Pavillon Fuller has a mast 6m high and three guy ropes that are installed by the members of the team prior to the rehearsals and public presentation (please refer to plan in the annex).

The rigging system can be realised in several different ways: anchored in the ground, counterweights or attached high up.

Installation time of mast and guy lines: 2h

Exhibition

After the public presentation and in accordance with the Organiser, the Pavillon Fuller can

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stay in situ to be exhibited for the required duration. Securing the structure for the exhibition phase is done by the members of the team once the audience has departed. Time required to secure the structure: 1h

Pull down

This will be done at the required time set out by the Organiser, either:

- by the artistic team
- by the participants with the artistic team
- by the participants without the artistic team
- by another team

In the last two cases, a supervisor must be nominated by the Organiser and must be present during fabrication and rehearsals phases and follow the pull down protocol.

Pack down team:

- Grounding the structure: this will require a team of **8 persons** (supervisor included) for **20 minutes**.
- Dismantling the structure: can then be continued and finalised with **5 persons** during **2 to 3 hours**

The Company does not recuperate any of the materials used on the Pavillon Fuller, they can be kept by the Organiser.

• RESPONSIBILITY OF THE ORGANISER

Once erected and secured the Pavillon Fuller is under the responsibility of the Organiser who will have to be attentive to any eventual damages or injuries to people or surroundings due to improper usage.

As the structure is composed of light materials, and not having been conceived to be durably established within the public space, the Company recommends a pull down within a period of 2 to 3 months maximum following its elevation.

A protocol for the pull down and dismantling will be transmitted by the Company. In case of excessive deterioration, the Organiser has the right to proceed with the pack down and dismantling following the protocol. The Company is available for any further requirements for dismantling the structure.

• STRUCTURE AND MATERIALS

All the materials (wood, ropes, hardware, screws) are either ordered or supplied by the Company after discussion and in coordination with the Organiser.

The Pavillon Fuller is made up of a large mast and three wooden wings, rope, riggings and screws.

Wings:

Structural timber 18x40mm battens, 4m long / Class 2.

The battens are assembled with Torx (Rocket) screws (supplied by the Company).

Mast:

Structural rafter or beam 60x70mm and 6m in length / Class 2.

The hauling and the fixing of the wings are organised around this mast.

Ropes/Rigging:

All the rigging used (fabrication, hauling and guy lines) will also be supplied by the Company.

Quantities :

- Battens 18 x 40 x 4000 mm --- 100 units / 400 linear metres
- Mast 60 x 70 x 6000 mm --- 1 unit / 6 linear metres
- Ropes 10 mm ø pre stretched polyester --- 300 metres (or 3 rolls of 100 m)

- **TOOLS AND OTHER MATERIALS**

Tools to be supplied by the Organiser:

3 battery operated screw guns (drills) + spare batteries and chargers + screw bit holders.

Tools supplied by the Company:

- 1 screw gun + batteries
- Torx screw bits
- 3 handsaws
- Stanley knives, scissors and small tools

- **WELCOME OF THE PARTICIPANTS AND THE COMPANY MEMBERS**

2 members of Arrangement Provisoire accompany the project and the participants.

The touring manager can be present on the day of the public presentation.

A dressing room would be appreciated to store the personal things of the participants, and to rest.

Please provide bottled water for each day (set-up, rehearsals and performances), as well as a small catering (fresh and dried fruit, coffee, tea, etc.) for the whole group.

- **TRANSPORT**

The team travels with the materials by van by van (type Renault Trafic).

Please provide sufficient and secure parking space for the duration of the agreed schedule.

The touring manager travels either with the team, or by train or plane according to the distance.

- CONTACTS

Don't hesitate to contact us for further information.

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ANNEX

PULL DOWN PROTOCOL OF PAVILLON FULLER

Personnel :

From **4 to 6 persons** minimum, if the team assembled for the pull down has a professional technical profile.

If it doesn't, following the company's protocol:

- Grounding the structure: this will require a team of **8 persons** (supervisor included) for **20 minutes**.
- Dismantling the structure: can then be continued and finalised with **5 persons** during **2 to 3 hours**

Tools :

3 Screw guns/drills (with Torx 20 bits).

Materials :

If possible Arrangement Provisoire would like to recuperate all the rigging, hardware and the mast. However the Organiser can dispose of this as they want.

- **PROTOCOL TO LOWER THE PAVILION**

Loosening the safety at the base of the mast

At ground level, untie the 3 ropes that link the base of the mast with the 3 red corners of the 3 wingtips.

Loosen mast ropes

All the ropes going towards the top of the mast are secured and attached together half way up the mast (about 1m20 from the ground +/-).

Undo all the ropes.

Loosen the 3 blue ropes (marked with blue tape at ends).

Leave attached on the mast buckles the 3 junction ropes (marked with white and orange tape)

Loosening Junction ropes

At the level half way up the mast prepare 3 persons.

Each is to undo a junction rope and hold the tension on each rope.

Underneath each wingtip place 1 or 2 persons.

Together (the 3 Junction ropes + wingtips crew), slowly lower the three wingtips.

The three wingtips will wrap around the mast forming a 'hut'.

Loosening Verticals

On each module the Red corner (at ground level at the base of the mast) and the Blue Corner (the only corner to stay in the air) are linked to Vertical ropes (marked in Red/Blue tape).

Undo at the red corners coin the 3 Vertical ropes.

Free the 3 Verticals.

Tensioning Blue ropes

The three persons who are still inside the 'hut', take up the Blue ropes (Blue tape) and maintain the tension without pulling too hard.

Then wait for the next step.

Loosening Red ropes

The three red corners of the wingtips are linked to the ground by 3 Red ropes (Red tape).

Undo the 3 chain links (you will probably have to move the 3 coins Red corners of the wingtips closer together towards the base of the mast to effectively be able to undo the chain links).

Free the 3 Red ropes.

Lowering of Blue corners

Together, the 3 persons at the base of the mast and the rest of the participants realise the following actions.

The 3 Blue ropes at the base of the mast will loosen the whole structure and progressively the tension allowing the Blue corners of the modules to be lowered to the ground.

Be careful that the 3 persons 'inside' keep their heads close to the mast.

The remainder of the participants will take the wingtips away from the mast.

At the end of the operation remaining on the ground are the White, Blue and Red corners of each module.

The 3 Blue corners will still be linked by 3 Blue ropes in proximity of the base of the mast.

Remaining in the air will be the Orange corner, outside the installation.

Loosening the ropes of the Blue corners

The 3 Blue corners of the modules are linked by 3 ropes (Blue tape).

Undo the chain links.

Free the blue ropes.

Removal of the ropes of the modules

At this stage of the operation remove all the ropes from the modules.

Be careful not to untie the bowline knots or the figure 8 directional loop knots.

Just remove the cow hitches linking each rope to the corners of the modules.

Pull and recuperate the Junction and Blue ropes that pass through the top of the mast.

The Junction ropes are the only ones where the knots need to be undone at the level of the Orange and White corners.

These ropes will end up with a Y shape, be careful not to undo any junctions.

Lowering the mast

With several people take the mast by its base and move it gently towards the outside, always keeping the base close to the ground (the top of the mast is still held up by the guy ropes).

For the rest of the group help accompany the rest of the mast to lower it together to the ground.

Undo the bowlines that link the guy ropes (Green ropes) at the top of the mast.
Free up the mast.
Leave in place all the small black buckles all along the mast.
Recuperate the guy ropes.
Undo the figure 8 directional loop knots and coil the Green ropes.

During the construction of the modules we used 2 types of screws.
Please do not mix these screws whilst pulling down.
These screws can be reused on another occasion.

- **PROTOCOLE TO DISASSEMBLY OF THE WINGTIPS**

Replacement of black strings

Double up by a string stretched directly (from point A to B) the small black curved string (that are rigged through intermediate attachments linking the Red/White and Blue/Orange corners).
These direct links are to stay in place until the end of the unscrewing process.
Remove the black curved strings whilst leaving in place the direct linked strings.
Remove or cut the small attachments that stay in place on cross sections.

Unscrewing the modules

Unscrewing:
-The 4 lateral sides.
-All the central cross sections.
-All the outer cross sections.

Remove all the central timber battens.

Untie all the direct black strings linking the corners of the module.
Flatten the frame on the ground.

Unscrew the corners and the reinforcing pieces level with the corners.

End of pull down

Give the pull down team a break!
All the timber uprights used in the construction of the modules can be recycled.
Depending on the duration of the exhibition of the Pavilion, the timbers would probably have taken the curved shape of the wingtip and cannot be reused for a construction requiring straight lines.

- **CONTACT**

For any technical questions:

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