

## PLIEGO DE ESPECIFICACIONES TÉCNICAS

### ALQUILER VALLAS, VALLAS ANTI-AVALANCHA Y CATENARIAS - EUROVISIÓN JUNIOR 2024

#### EXPEDIENTE S-05150-2024

#### **1.-OBJETO DEL CONTRATO**

El objeto del presente pliego de especificaciones técnicas es establecer las características para la contratación de equipamiento y elementos para delimitar y señalar espacios en el recinto de la Caja Mágica de Madrid, para la producción del Festival Eurovisión Junior 2024, que tendrá lugar el 16 de noviembre de 2024.

#### **2.- DESCRIPCIÓN DE MATERIAL**

Se plantea el alquiler de los siguientes elementos de señalización y seguridad en 3 lotes:

##### **LOTE 1 – VALLAS**

##### **CONSIDERACIONES GENERALES:**

El evento tendrá lugar del 23 de octubre al 20 de noviembre en el recinto de la Caja Mágica de Madrid.

La entrega del material se realizará el día 23 de octubre a las 9:00h y se estiman dos horas de descarga en planta 0 y planta -2 a través de los accesos establecidos por el propio recinto en cada planta.

El montaje se realizará entre los días 23 y 24 de octubre en horario de 9:00 a 19:00h.

El desmontaje y la carga del material se realizará el día 20 de noviembre en horario de 9:00 a 19:00h.

El material debe estar en perfecto estado y debe transportarse paletizado para su correcta manipulación por medios mecánicos.

El vallado se define por metros lineales.

Todo el material incluido en los presupuestos tendrá que cumplir las normativas vigentes. El proveedor tendrá la obligación de enviar la información necesaria para certificar los elementos presupuestado, tales como certificado de solidez de los elementos y materiales, etc.,

##### **DIMENSIONADO DE AREAS SEGÚN PLANTAS (se adjuntan planos):**

Planta 0

Planta -1

Planta -2

**VALLAS METÁLICAS ALTAS DE 2X2 GALVANIZADAS CON PIE METÁLICO:****PLANTA 0:**

- Cierre lateral vial norte desde p4 a consignas
- 60 metros lineales
- Corte transversal desde estadio 3
- 14 metros lineales
- Cierre lateral vial norte desde consignas a acreditaciones (puerta 3)
- 116 metros lineales
- Corte vial oeste
- 20 metros lineales
- Cortes vial este
- 40 metros lineales

**PLANTA -2:**

- Cierre escaleras vial este
- 64 metros lineales
- Cierres almacenaje técnico vial este y sur + parking maquinaria
- 434 metros lineales
- Cierres Props
- 30 metros lineales
- Cierres grupos electrógenos y almacén eléctrico
- 70 metros lineales
- Sobrante (spare)
- 36 metros lineales

**VALLA PEATONAL GALVANIZADA:****PLANTA 0:**

- Cierres puerta 4
- 12 metros lineales
- Carriles de acceso peatonal
- 70 metros lineales – Acreditaciones
- 40 metros lineales

**PLANTA -2:**

- Cierres acceso personal
- 14 metros lineales

**PLANTA -1 PISTA:**

- Cierres equipamiento técnico
- 30 metros lineales
- Cierres UUMM, casetas técnicas y otros
- 40 metros lineales
- Sobrante (spare)
- 24 metros lineales

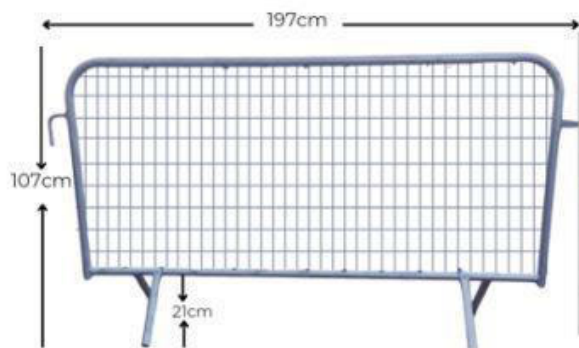
**CARACTERÍSTICAS TÉCNICAS Y MEDIDAS (MODELO DE EJEMPLO O SIMILAR)**

**VALLA BIG PREMIUM GALVANIZADA**



Dimensiones: 2.000x2.050mm  
 Peso aprox: 20 kg  
 Tubo marco: 20X20X1,5MM  
 Mallazo exterior: 1.890X1.805X4mm  
 Mallazo interior: 200x50x4mm  
 Pies: 800x200x4mm  
 Acabados: Galvanizado en caliente por inmersión

**VALLA VERTICAL CON MALLAZO GALVANIZADA**



Dimensiones: 1.970x1.070mm  
 Peso aprox: 13 kg  
 Tubo marco: 35x1,5mm  
 Mallazo exterior: 800x1800x4mm  
 Mallazo interior: 100x50x4mm  
 Acabados: Galvanizado Sendzimir  
 Soldadura antióxido DT-CuSi3 EN ISO 24373

## **LOTE 2 – VALLAS ANTI-AVALANCHA**

### **CONSIDERACIONES GENERALES:**

El evento tendrá lugar del 23 de octubre al 20 de noviembre en el recinto de la Caja Mágica de Madrid.

La entrega del material se realizará el día 4 de noviembre a las 9:00h y se estiman dos horas de descarga en planta -1, a través de los accesos establecidos por el propio recinto en cada planta.

El montaje se realizará el día 4 de noviembre en horario de 9:00 a 14:00h. El desmontaje se realizará el día 16 de noviembre en horario de 21:00 a 23:00h y la carga del material se realizará el día 17 de noviembre en horario de 9:00 a 11:00h.

El material debe estar en perfecto estado y debe transportarse paletizado para su correcta manipulación por medios mecánicos.

El vallado se define por unidades, tiene que ser de color negro y encontrarse en perfecto estado. Además, debe estar paletizado para su transporte y manipulación por medios mecánicos.

En el adjunto se detallan las características específicas de la valla solicitada.

Todo el material incluido en los presupuestos tendrá que cumplir las normativas vigentes. El proveedor tendrá la obligación de enviar la información necesaria para certificar los elementos presupuestados, tales como certificado de solidez de los elementos y materiales, etc.

**DIMENSIONADO DE ANTI-AVALANCHAS** (según plano adjunto, también se adjunta modelo de ejemplo o similar)

### **PLANTA -1 PISTA:**

#### **FOH:**

- 20 Vallas antiavalancha rectas, modelo MOJO Barriers (o similar) color negro, de 1 metro de ancho por 1,25 metros de alto.

### **PROVOCADOR:**

- 10 Vallas antiavalancha rectas, modelo de referencia MOJO Barriers (o similar) color negro, de 1 metro de ancho por 1,25 metros de alto.
- 3 Vallas antiavalancha anguladas a 22,5º, modelo de referencia MOJO Barriers(o similar) color negro de 0,9 metros de ancho por 1,25 metros de alto.

### **SOBRANTE – SPARE:**

- 6 Vallas rectas, 2 vallas anguladas a 5,5º, 3 vallas anguladas a 22,5º y 3 vallas anguladas a 45º. Modelo de referencia: MOJO Barriers (o similar).

## **LOTE 3 - CATENARIAS**

### **CONSIDERACIONES GENERALES**

El evento tendrá lugar entre el 23 de octubre al 20 de noviembre de 2024 en el recinto de la Caja Mágica de Madrid.

Todo el material incluido en los presupuestos tendrá que cumplir las normativas vigentes. El proveedor tendrá la obligación de enviar la información necesaria para certificar los elementos presupuestados, tales como certificado de solidez de los elementos y materiales, etc.

### **DEFINICIÓN DE LOS ELEMENTOS**

Las catenarias se definen como elemento de separación compuesto como un poste de altura de 1 metro (+/- 0,10 metros) con una cinta retráctil que permita como mínimo una apertura de 2,00 metros.

El porte debe ser de material metálico con recubrimiento negro. Las cintas deben ser negras.

### **DIMENSIONADO DE ÁREAS**

- 1- Catenarias show – PISTA: 30 catenarias
- 2- Catenarias Show – Generales + Seguridad: 90 catenarias.
- 3- Catenarias photocall: 80 catenarias.
- 4- Catenarias técnicas: 30 catenarias
- 5- Catenarias acreditaciones: 20 catenarias.

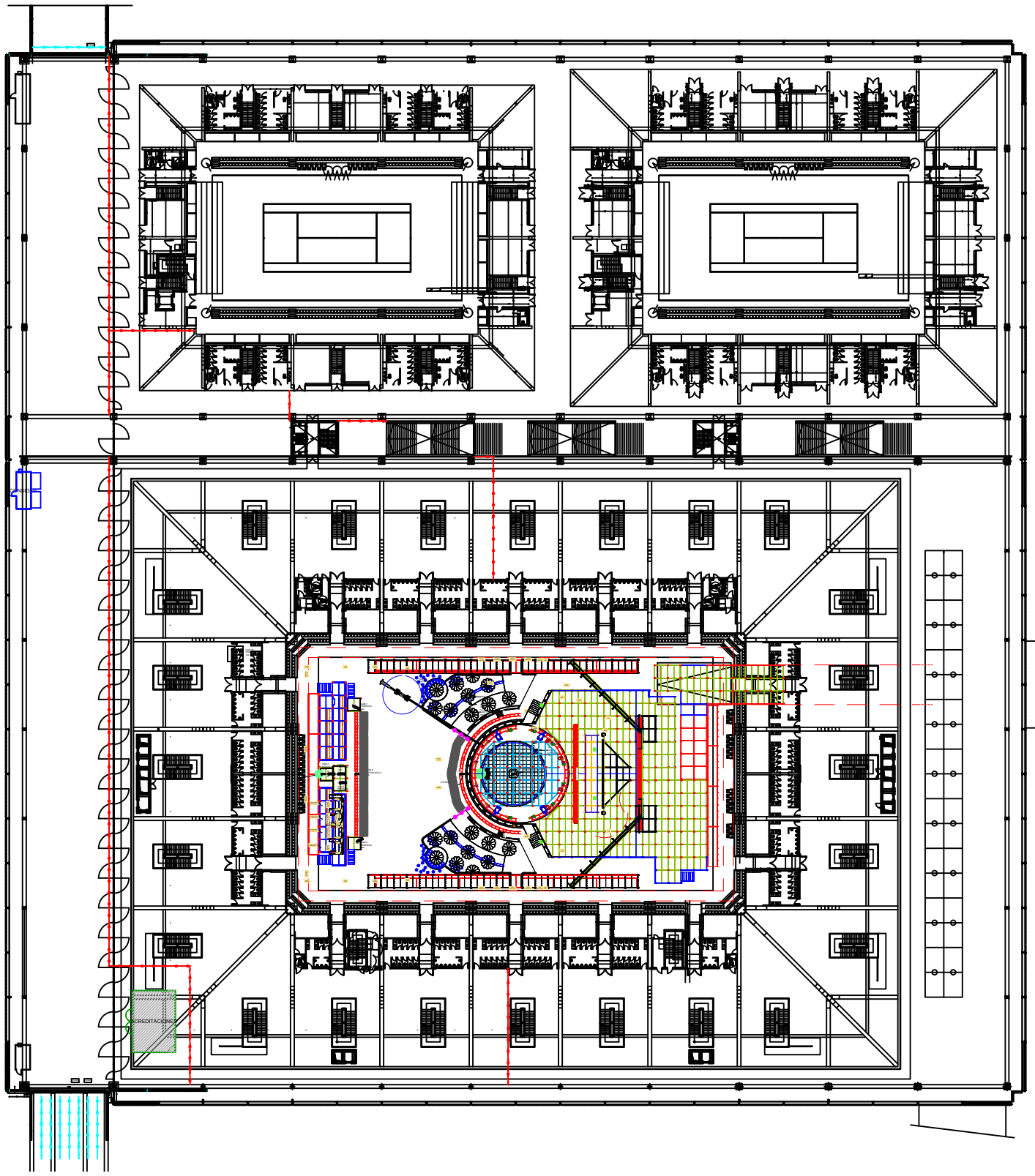
### **FECHAS DE ENTREGA**

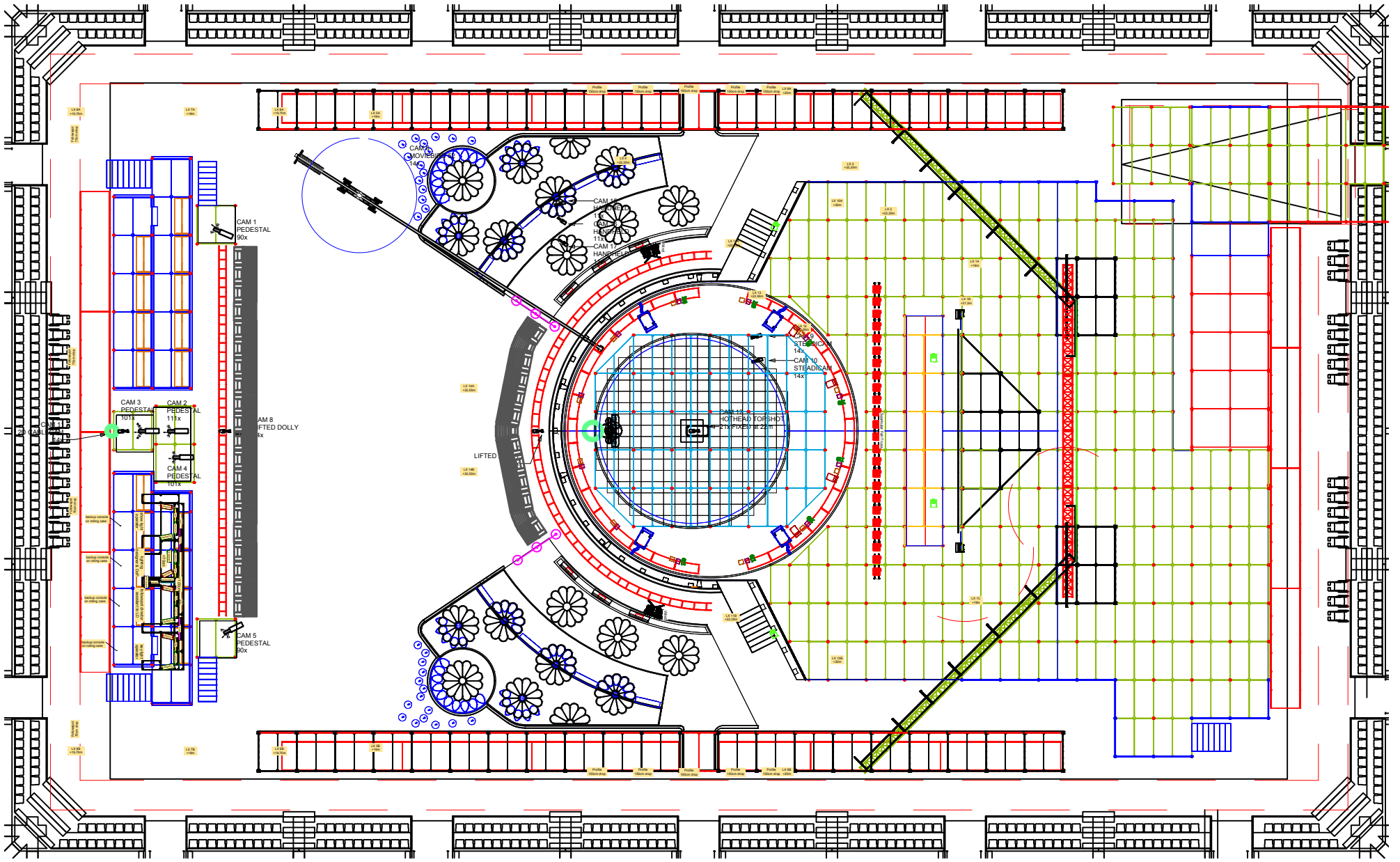
La entrega del material será el 4 de noviembre a las 9:00h, y la recogida el 18 de noviembre a las 12:00h.

### **5.-CONTENIDO DE LA OFERTA TÉCNICA**

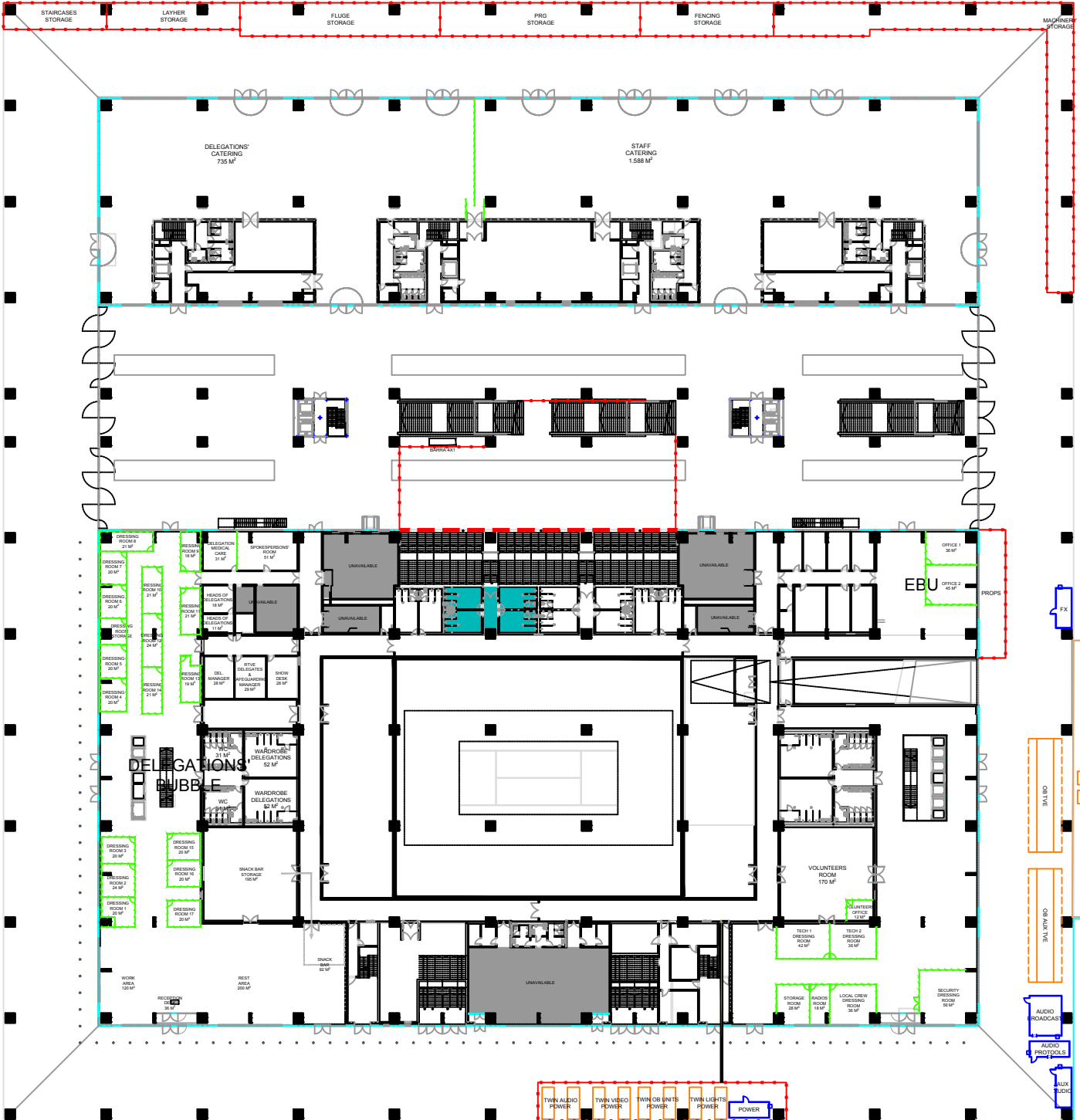
La oferta debe incluir la siguiente información:

- Relación de los medios materiales ofertados.
- Detalle de características técnicas que permita valorar los requerimientos solicitados en este pliego.





CATERING: DELEGATIONS' BUBBLE
  CATERING: BACKSTAGE



DELEGATIONS' BUBBLE
  ARTISTIC AREA
  BACKSTAGE
  COMPOUND
  PRESS AREA
  WC
  UNAVAILABLE
  FIRE CURTAINS REMOVABLE

FX  
 DSNG  
 DSNG  
 BALANCE  
 BALANCE  
 AUDIO BROADCAST  
 AUDIO PROTOCOLS  
 AUX AUDIO

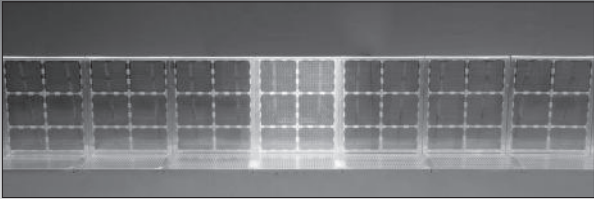

TWIN AUDIO POWER  
 TWIN VIDEO POWER  
 TWIN OB UNIT POWER  
 TWIN LIGHTS POWER  
 POWER

## MODELO MOJO BARRIER RECTA

Mojo Barriers is the leading international supplier of stage barrier systems, setting the industry standards for live events.

Products: The favourite among event organisers looking for a safe, sustainable and cost effective system, Mojo's continual investment in R&D results in proprietary barriers which are proven, adaptable and reliable. As well as aluminium stage barriers Mojo has a vast portfolio of other innovative products designed for use at outdoor and indoor events including turnstile systems, line up gates, bar barriers and a range of accessories.

**THE MOJO BARRIERS**  
www.mojobarriers.com

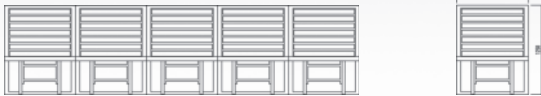
**ALUMINUM STRAIGHT SECTION**

Mojo Barriers' core product is based on a simple principle: a vertical part that locks into a horizontal floor plate with two braces at the back. For quick set up the barrier is designed to connect to the next section with only one bolt. Once installed, the barrier is held in place by the audience standing on top of the floorplate on the frontside of the section. At the rear of the vertical part a step is attached between the two braces, giving security personnel visual and physical access to the crowd. Made of several aluminum alloys to cut down on weight, both for handling and transportation reasons, the barrier retains its strength through intelligent design.

"Mojo Barriers' main priorities are safety, service, reliability and quality. Our barriers, tested to the highest international standards, have an unrivalled track record, so whatever happens 'the show can go on'."  
Erwin Sprengers, Benelux Account Manager

**TECHNICAL SPECS**

- Rounded top rail allows audience comfort
- Top rail connects assembly, avoiding pinch points
- Specially designed tread plate prevents liquids from pooling
- Floor plates connect to form level surface, reducing trip hazard
- Rear step facilitates visual and physical access to the audience
- Solid A-frame welded aluminum construction
- Intelligent design enables handling without aid of trapped fingers
- Perforated upright secures to the floorplate and next section with only one bolt and fixed location pins
- Location pins fix and strengthen connections and enable barriers to negotiate uneven terrain
- Height 1.20 m
- Weight 34 kg
- Also available with black upright
- Use in high crowd pressure areas: ●●●●



**WORLDWIDE CROWD CONTROL SOLUTIONS**


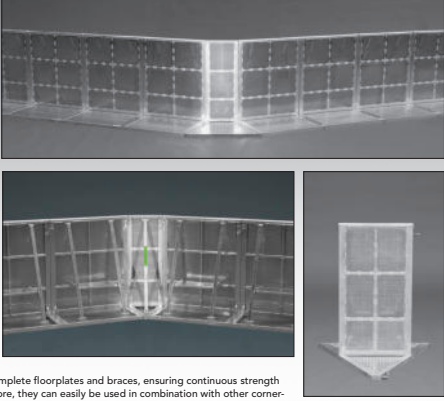
Holland/Belgium/Luxembourg Phone: +31 30 242 82 00 Email: info.nl@mojobarriers.com	United Kingdom Phone: +44 1708 687 440 Email: info.uk@mojobarriers.com	North America Phone: +1 717 664 0158 Email: info.us@mojobarriers.com	Australia Phone: +61 2 9648 2097 Email: info.aus@mojobarriers.com	International Phone: + 31 30 242 82 00 Email: info.int@mojobarriers.com
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## MODELO MOJO BARRIER ANGULADA 45°

Mojo Barriers is the leading international supplier of stage barrier systems, setting the industry standards for live events.

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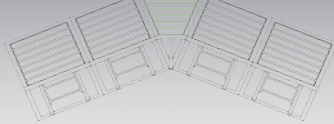
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**FIXED CORNERS: 45° CORNER**

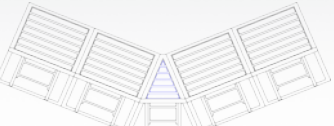
**45° POSITIVE CORNER (GREEN)**

A fixed corner section of 45° with full floorplate and single brace. 'Positive' means moving away from the crowd, usually towards the stage. Nicknamed Green as its colour mark is green for easy recognition on site by anyone installing the equipment.



**45° NEGATIVE CORNER (BLUE)**

The direct opposite of Green is the fixed negative 45° corner section with a full floorplate, double brace and rear step. 'Negative' means moving towards the crowd and thus usually away from the stage. Nicknamed Blue for its blue colour mark for easy recognition.



**TECHNICAL SPECS**

- Same material specifications and looks similar to the straight barrier
- Fixed angle of 45°
- Positive corner = Green
- Negative corner = Blue
- Both with full floorplate and brace(s)
- Rear step on Blue, not on Green
- Strength ensured by floorplate coverage and braces
- Connects to adjoining section by one single bolt
- Also available with black upright
- Use in high crowd pressure areas: ●●●●

Both Green and Blue have complete floorplates and braces, ensuring continuous strength of the barrier lines. Furthermore, they can easily be used in combination with other corner pieces to design wide and smooth shapes. Colours are present on the braces for easy recognition. Typical usage would be around catwalks and thrusts in front of a stage.

**WORLDWIDE CROWD CONTROL SOLUTIONS**

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## MODELO MOJO BARRIER ANGULADA 22,5°

Mojo Barriers is the leading international supplier of stage barrier systems, setting the industry standards for live events.

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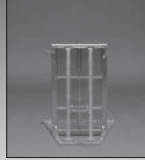
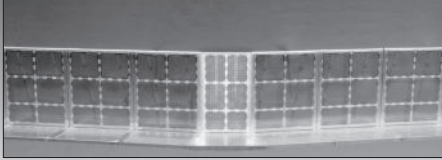
Crowd management: Mojo combines these independently tested products with an expansive knowledge of crowd management and crowd control, and experienced project managers. Taking into consideration a wide variety of factors, Mojo creates bespoke configurations designed with audience, guest and crew safety as the highest priority.

Offering an international network, combined with local service, Mojo Barriers has been the trusted global stage barrier resource for over twenty years.

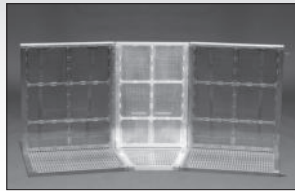
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### FIXED CORNERS: 22.5° CORNER

### TECHNICAL SPECS

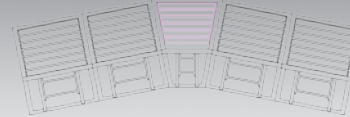


Both Pink and White have complete floorplates and braces, ensuring continuous strength of the barrier lines. Furthermore, they can easily be used in combination with other corner sections to design wide and smooth shapes. Colours are present on the braces to make recognition easy. Typical usage would be around catwalks and thrusts in front of a stage.



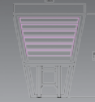
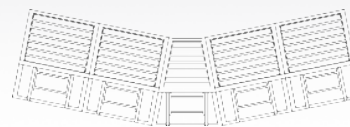
#### 22.5° POSITIVE CORNER (PINK)

A fixed corner section of 22.5° with full floorplate, double brace and small rear step. 'Positive' means moving away from the crowd, usually towards the stage. Nicknamed Pink as its colour mark is pink for easy recognition on site by anyone installing the equipment.

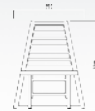


#### 22.5° NEGATIVE CORNER (WHITE)

The direct opposite of Pink is the fixed negative 22.5° corner section with a full floorplate, double brace and rear step. 'Negative' means moving towards the crowd, usually away from the stage. Nicknamed White for its white colour mark for easy recognition.



- Same material specifications and looks similar to the straight barrier
- Fixed angle of 22.5°
- Positive corner = Pink
- Negative corner = White
- Both with full floorplate and braces
- Rear step on both White and Pink
- Strength contained by floorplate coverage and braces
- Connects to adjoining section by one single bolt
- Also available with black upright
- Use in high crowd pressure areas: ●●●●



### WORLDWIDE CROWD CONTROL SOLUTIONS

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## MODELO MOJO BARRIER ANGULADA 5,5°

Mojo Barriers is the leading international supplier of stage barrier systems, setting the industry standards for live events.

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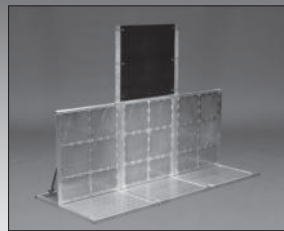
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### SECURITY FEATURES

### TECHNICAL SPECS

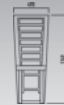
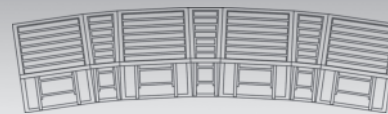


#### HIGH FENCING / SIGHTLINE KILLS

Also known as 'sightline kills', high fencing is the installation of 1.20 m high panels on top of the barrier line. This blocks the view of the crowd at certain places preventing unwanted pressure points building at the entrances and sides of stage areas as people tend not to go where sightlines are blocked. In light of crowd control and crowd management, high fencing is an easy way to prevent blockage of entrances and/or exits.

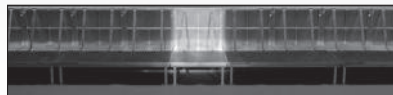
#### 5.5° POSITIVE CORNER (WEDGE)

Wedges are narrow 5.5° fixed corner sections. With a width of less than 0.50 m, they are used to slowly curve the entire barrier line, for instance in front of a large stage, shaping it slightly around the stage. Such shaping of the barrier allows for crowd pressure to be turned slightly sideways. It connects to all other barrier sections with a single bolt and has a double brace but no rear step.



#### SECURITY WALKWAY

The security walkway is a specially designed, quick to build, seamless system to be placed at the back of the barrier line, including all corners. Normally this barrier line is only outfitted with rear steps on the back. This additional system creates a heightened additional 1.00 m wide working platform behind the barrier line, with no open gaps between the regular rear steps. This allows security and medical personnel better audience observation and access.



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