

CampbellReith
consulting engineers

Confidential

COMPLEX STAND

INFORMATION DOCUMENT

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COMPLEX STAND INFORMATION DOCUMENT

Complex Stand Description

Complex stands are custom-built structures that integrate a variety of different construction techniques, equipment and materials and can be built either onsite or prefabricated. This would normally, be designed by an engineer and which through risk assessment has been found to provide a significant risk. This includes:

- Any structure over 4m in height
- Multi-deck stands
- Platforms, stages and steps (600mm)
- Tiered Seating
- Lighting Towers and Rigs
- Suspended structures
- Marquees and Tents
- Pedestrian and crowd barriers
- Inflatables
- Stands subject to external wind forces

The Venue and Organisers reserve the right to deem any structure to be 'Complex' where the designer has not specified or if there are any special concerns relating to risk.

Non-Complex/Space Only Stand Description

Non-Complex and Space only stands; also integrate a variety of different construction techniques, equipment and materials, but do not fall into the categories listed above.

Checking/Inspection Process

1. Stand designers submit Complex Stand design information to CampbellReith.
2. CampbellReith Engineer reviews design information, and request more information if required.
3. CampbellReith issue certificate to build ahead of the event if design is compliant.
4. CampbellReith Engineer conducts onsite inspection. The Engineer may agree some onsite modifications to reduce construction safety risks.
5. CampbellReith issue sign-off letter with Complex Structures listed.

Structural Information Requirements

Submission of information should be in the form of drawings and calculations, not photographs or rough sketches, as it is not possible to assess the proposed structure without thorough details of the stand construction.

Calculations should justify the structural elements, with particular reference to vertical loads, horizontal loads and overall stability checks.

Drawings should show the key requirements of the structure, with particular reference to key member sizes and materials, ballast weight locations and bracing locations.

All structural information should be submitted to CampbellReith; at least two weeks (10 working days) prior to the event date. CampbellReith will then submit a Certificate to Build ahead of the event, to verify the design has been reviewed.

Additional Notes

In some venues, stands will not be allowed to be simultaneously part suspend and part ground supported. Suspended elements should not be connected to any part of the ground-supported stands.

Examples of Complex Stands









