

COMPLEX STANDS – SUSPENDED ELEMENTS

STRUCTURE INFORMATION REQUIREMENTS AT ALL VENUES IN UK

1) All suspended elements which are constructed from timber and/or metal structure will be deemed as complex structures. Suspended elements consists of canopy, fascia, trusses clad with timber etc.

Fabric banners, formax signs, screens, lighting trusses, AV equipment, lighting bars will not require structural sign off.

2) 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 structure without details of the stand.

3) Drawings should contain enough detail to show exactly how the stand will be rigged including connection details between venues rigging point to suspended elements, constructed details of joints between elements etc.

4) Calculations are to prove that the rigging elements are capable of span between rigging points. Lifting tackles are to be proved capable of support the weight of the elements. Lifting points should be clearly indicated in the drawing(s) together with magnitude of load for each individual suspension point. A factor of Safety of 1.5 should apply to the rigging load.

If standard trusses are incorporated into support the elements, calculation are to be provided to prove its capacity.

5) All lifting equipment/lifting tackle (i.e. eye bolts, threaded rod, steel cables, and hooks) should comply with all current, relevant legislation and must be rated. Test certificate should made available for inspection.

6) In some venues no stands will be allowed to suspend as well as ground supported, where suspended elements must be separated.

7) All structure information should be submitted to CR at least two weeks (10 working days) prior to the show build-up date.