

Construction Regulations for hall 4 at Shanghai World Expo Exhibition & Convention Center

A. General Regulations

1. The net width of evacuation passageway between stands shall not be less than 3m.
2. Passageways are at all times to be kept clear of stacked articles and barriers.
3. All stands, exhibits, advertisement signboards and package materials are not allowed to hinder the normal operation of automatic alarm, fire extinguishing system and equipment within the exhibition room.
4. Barriers and obstructions within the range of 1.4m around safety entrances and exits, fire hydrants and pump adapters in the exhibition room are not allowed.
5. The stand floor plan must be reviewed by firefighting authority before construction.

B. Construction of stand

1. The stand constructor must carry out the construction based on the floor plan as approved by the firefighting authority. Changes must be applied for in a timely manner.
2. Design drawings of all stands constructed on Raw Space must be reviewed and stamped by a professional design entity with relevant qualification and the organizer. The center has the right to forbid construction of non-approved constructions within the center. Booth building design drawings include stand design floor plan, stand design structural drawing and stand design image.
3. Booth structures must be secure and reliable. Display racks, display boards, panels, carpets, materials individual stand construction, and stage building materials must be of incombustible or nonflammable material. Combustible materials must undergo fireproof treatment to reach the required level of fire resistance before being used. Construction and decoration materials must not be made out of inflammable cystosepiment, elastic fabric, wood-based panel and plastic sheet made by means of petrochemical engineering without fire-proof treatment.
4. The maximum stand height in the hall is 4.50m. Clear Height is 5.40m.
5. The number of floors of an indoor stand shall not be more than two. If the building area of the two floors exceeds 200 square meters, the number of stairs shall not be less than two. The straight line distance between the nearest two evacuation exits at the 2nd floor shall not be less than 5m.
6. When the building area of a fully enclosed stand area is greater than 160 m² and the stand layout affects the use of the original automatic firefighting facilities in the exhibition room, an automatic fire alarm system and sprinkler system must be installed.

7. If the building area of fully enclosed display area or semi-enclosed display area is greater than 120 m², the number of evacuation doors shall not be less than two, each with a minimum width of 0.9m.
8. No combustibles are allowed to be stored on the stand.
9. There shall not be any article hung arbitrarily within the stand. Hanging structures are not allowed.
10. The maximum unit structure weight shall be less than 800kg.
11. For machines with large weight in the center, a ground supporting plate must be used before the installation.
12. Machinery exhibits such as internal combustion locomotives, automobiles, tractors and various gasoline and diesel engines must be displayed outdoor, and the fuel in the fuel tank shall be lower than 10% of the full capacity. For indoor exhibition, no operation and maintenance is allowed, there must be no fuel within the fuel tank and the battery must be disconnected.
13. During the setup period of an exhibition, no entity shall occupy firefighting passageways and public areas or stack articles within them. After the setup and move-out, all equipment must be removed; otherwise, corresponding punishment will be imposed. Temporary stacked goods must be secure and not be able to roll or topple over.
14. When laying the carpet, only easy removable double faced adhesive tape made of cloth is allowed to be used. Tape made of sandwich rubber and other materials difficult to be removed is not allowed to be used.
15. Open flames and welding within the center are strictly forbidden.
16. Painting and spray painting are not allowed within the center.
17. It is strictly forbidden to connect water and gas devices directly to pipelines of the center. A valve must set between the pipeline and water or gas device.
18. Any electrical, mechanical and chemical item that is considered as dangerous will be banned.
19. It is strictly forbidden to pour waste liquids into sewers and bathroom sinks. Waste liquids must be poured into sealed containers prepared by the exhibitor.
20. It is strictly forbidden to obtain water from the bathroom. All water used for the setup must be obtained from water basins designated by the center.
21. All construction staff entering into the center must wear a safety helmet, and a safety belt is needed for construction work from 2m and above.
22. It is strictly forbidden to use a herringbone ladder larger than 3m. A ladder with a locking spreader bar can be used to ensure safety. Otherwise, the center has the right to refuse the entry.
23. During the exhibition, it is strictly forbidden to carry dangerous chemicals, solvents, paints and inflammable and explosive articles into the Center.
24. It is strictly forbidden to use pressure equipment in the exhibition room.
25. All inflammable and explosive exhibits must be replaced by models.

26. Without permission of the center, equipment such as air compressors are not allowed to be carried into the center or to be used during the setup.
27. During the whole rental period of the center, the buildings, structures, facilities as well as equipment and accessories must be kept clean and intact. They are not allowed to be leaned against nor moved or altered without approval. It is strictly forbidden to punch, use nails or apply glue to any terrace, wall surface and other parts of the center.
28. Entities and persons using the center's facilities are admonished to strictly observe the above mentioned regulations. If any of the center's buildings, facilities, equipment, and accessories is damaged or polluted due to irregularities or use of illegal items, the center's managing party will require the infringing party to make corresponding compensation payment.
29. Hall 4 has 3 Cargo lifts of 5 tons (3.7x2.10x2.75m (LxWxH)) and 2 Cargo lifts of 3 tons (Size: 7x1.50x2.75m (LxWxH))

C. Installation of electrical circuits and electrical equipment

1. The installation of electrical circuits and electrical equipment can only be performed by persons carrying a valid electrician certificate. All operations must be in line with the relevant electrical code of the state. The constructor carries all responsibilities and consequences.
2. The electrical distribution box used by a stand must be placed within the cable pipe trench of the center or within the stand (cover plate of the trench shall not be opened arbitrarily). A distribution box is strictly forbidden to be placed at conspicuous places of aisles, passageways and stands. Hidden electrical circuits must be protected with metal pipe or fire retardant PVC pipe. Lighting must be constructed at a safe distance (at least 0,5m) to combustible materials.
3. Electrical circuits must be with branch switches, and when passing through aisles, cables must be protected with a protection plate.
4. It is strictly forbidden to place inflammable articles and water dispenser around a distribution box.
5. It is strictly forbidden to employ fixed electricity box facilities of the center arbitrarily.
6. All electrical circuits' capacity distribution shall be balanced. All circuits shall be elevated or be laid with effective protection measures, and their load equipment shall be with good grounding device.
7. All electric wires laid shall be with insulating sheath. For joints insulation porcelain and plastic joints must be used, not insulating tape. Except for the light fixture wire colored thread shall not be used.
8. A lighting fixture must be installed at distance of at least 50cm to a combustible article. Ballast of lighting fixtures like fluorescent lamp and high pressure mercury lamp shall not be installed on a combustible article and inflammable article.

9. For installation of enclosed light box, there should be an air vent for sufficient ventilation.
10. Important parts of electrical circuit and light box of a wood structure stand must be treated with fire retardant coating of level 3 and above.
11. Electrical equipment likely to produce heat and high temperature lamps are not to be used unless being approved by the center. No combustible and inflammable articles within a range of 1m are allowed around high temperature lamps.
12. All outdoor lighting equipment shall be with damp-proof measures.
13. It is strictly forbidden to use exposed iodine-tungsten lamp, halogen tungsten lamp or neon light within the center.