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I. Introduction

1. Introduction

- (1) On the site of the 2005 World Exposition, Aichi, Japan (hereinafter referred to as the “Exhibition”), all pavilion buildings shall be planned and constructed in compliance with the Temporary Structure Approval Standards for EXPO 2005 (hereinafter referred to as the “Guidelines”). Official participants (hereinafter referred to as “participants”) must abide by these Guidelines when enlarging or refurbishing their facilities, or doing interior finishing work.

2. Related Laws, Regulations and Ordinance

- (1) Building Standard Law of Japan (Law No. 201 of 1950)
- (2) Enforcement Order of the Building Standard Law of Japan (Cabinet Order No. 338 of 1950)
- (3) [Aichi Prefectural Building Standards Ordinance](#) (Aichi Prefectural Ordinance No. 49 of 1964)

II. Temporary Structure Approval Standards for EXPO 2005 (Draft)

Amended on August 13, 2002

Section 1. General Provisions

Article 1. (Objective)

These Guidelines, based on Article 85, paragraph 4 of the Building Standard Law (Law No. 201 of 1950; hereinafter referred to as the “Law”), stipulate fundamental safety, fire prevention and sanitary rules, adherence to which is necessary for obtaining permits from the Governor of Aichi Prefecture for the planning and construction of pavilion buildings for the Exhibition. The objective of these Guidelines is to ensure appropriate and smooth handling of paperwork required for permits for the relaxation of restrictions on Exhibition-related pavilion buildings.

Article 2. (Removal of Pavilion Buildings)

Participants who plan to construct pavilions according to these Guidelines and under permission from the Governor shall remove their pavilions as soon as possible after completion of the Exhibition.

Section 2. Structural Strength

Article 3. (Structural Calculation)

Concerning the buildings specified in Article 20, item (2) of the Law, safety must be confirmed according to the structural calculation specified in Chapter III, Section 8 of the Enforcement Order on the Building Standard Law of Japan (Cabinet Order No. 338 of 1950; hereinafter referred to as the “Order”), provided that the loads and external forces specified in Article 83, paragraph 1, shall be as follows:

(1) Snow loads:

Shall be calculated by multiplying the value derived by the formula shown in Article 86, paragraph 1 of the Order by 0.7 (zero, if the maintenance of such buildings does not experience a snow period).

(2) Wind pressure:

Shall be calculated by multiplying the value derived by the formula shown in Article 87, paragraph 1 of the Order by 0.8.

2. The provisions of the preceding paragraph shall not apply if building safety is confirmed by structural calculation equivalent to that in the provisions of Chapter III, Section 8 of the Order.

Section 3. Building Equipment

Article 4. (Washrooms)

Air ducts of ventilation or ventilating equipment shall be installed in rest rooms.

Article 5. (Washrooms)

Flush toilets shall be installed. Wastewater from flush toilets shall be discharged into sewers or treated in a night soil treatment plant specified in Article 31, paragraph 2 of the Law, except when there is no problem in sanitary terms and it is necessary to take alternative measures for the sake of the Exhibition or for other reasons.

Section 4. Fire Prevention and Evacuation

Article 6. (Interiors of rooms where fire is permitted)

The interior surface of walls (excluding the portion up to 1.2 m from the floor) and ceilings (roofs, if there are no ceilings) of rooms where fire is permitted shall be finished as specified in Article 129, paragraph 1, item (2) of the Order.

2. Rooms where fire is permitted shall be separated from other rooms by fire-preventive partition walls.

Article 7. (Interiors of special facilities)

In buildings as specified in item (1) below (limited to those with a total floor area of 100 m² and over, which are hereinafter referred to as “special facilities”), the interior surface of the walls (excluding the portion up to 1.2 m from the floor) and ceilings (roofs, if there are no ceilings) of habitable rooms for use as described below shall be finished as specified in Article 129, paragraph 1, item (1) of the Order.

(1) Buildings for use as theaters, movie theaters, entertainment halls, grandstands, public halls and assembly halls (limited to facilities with fixed seats serving as assemblies for the general public; hereinafter referred to as “spectator facilities”)

(2) Buildings mainly for use in displaying goods (hereinafter referred to as “exhibition facilities”)

(3) Buildings for use in selling food and drinks and/or other goods (hereinafter referred to as “selling facilities”)

2. The interior surface of walls and ceilings of principal corridors, stairs and other passageways leading to the ground from habitable rooms for said use shall be finished as specified in Article 129, paragraph 1, item (2) of the Order.

Article 8. (Principal floors)

Principal floors of special facilities shall be on floors leading to the ground, or floors directly above or below the floors leading to the ground.

Article 9. (Open space in front of special facilities)

Major entrances/exits of special facilities leading to the outside shall have an opening area exceeding the figures mentioned in the table below, provided that those figures shall not apply if the entrances/exits face or lead to an evacuation roadway, square or the like.

Special facilities: an aggregate of floor areas for principal use (Unit: m ²)	Depth of Open Space (Unit: m)	Width of Open Space
Less than 200	3	Double the width of major entrances/exits
200 to less than 500	4	
500 or more	4.5	

Article 10. (Open space beside special facilities)

If there is an entrance/exit at the side of special facilities that have a total floor area of less than 500 m², there shall be open space with a depth of 2 m (additional depth of 2.5 cm per 10 m² for floor areas exceeding 500 m²). If this latter calculation yields more than 4 m, depth need not be more than 4 m. Provided that these figures shall not apply if the entrances/exits of special facilities face or lead to an evacuation roadway, square or the like.

Article 11. (Entrances/exits of exhibition rooms in exhibition facilities)

The entrances/exits of exhibition rooms in exhibition facilities shall be as specified in the following:

- (1) Two or more entrances/exits must be installed in such a way as not to hinder evacuation.
- (2) Entrances/exits must be 1.5 m or more wide, with no changes in elevation.
- (3) Doors must be openable by hand and capable of being kept open.

Article 12. (Corridors of exhibition facilities and selling facilities)

A corridor with principal parts of exhibition facilities and selling facilities on both sides shall be at least 2.5 m wide; other corridors shall be at least 1.8 m wide.

2. Corridors of the type specified in the preceding paragraph shall lead to doorways for evacuation.

Article 13. (Staircases of exhibition facilities and selling facilities)

Staircases that lead to the principal floors of exhibition facilities and selling facilities shall be as specified in the following:

- (1) Two or more staircases leading to each floor shall be installed in a manner effective for evacuation.
- (2) Staircases shall be at least 1.5 m wide, each rise and tread at maximum 18 cm and at least 26 cm, respectively.

If a total floor area of principal parts of special facilities is less than 100 m², excepting those with doorways leading directly to the outside, the description “two or more” in item (1) of the preceding paragraph shall be “one or more.”

Article 14. (Entrances/exits leading outside of exhibition facilities and selling facilities)

The entrances/exits of exhibition facilities and selling facilities shall be as specified in the following.

- (1) Two or more entrances/exits must be installed in such a way as not to hinder evacuation.
- (2) Entrances/exits must be more than 1.5 m wide, with no changes in elevation.
- (3) Doors must be openable by hand and capable of being kept open.

Article 15. (Exclusion of application in case of administrative use)

Articles 10, 13 and 14 shall not apply when staircases and entrances/exits of special facilities are used for administrative and management purposes.

Article 16. (Application of Aichi Prefectural Building Standards Ordinance to spectator facilities)

Besides the provisions stipulated in these Guidelines, Articles 13 to 19 of the Aichi Prefectural Building Standards Ordinance (Aichi Prefectural Ordinance No. 49 of 1964; hereinafter referred to as “Prefectural Ordinance”) shall apply to spectator facilities (limited to those having a total seat floor area less than 200 m²). In such case, “performance facilities” described in said law shall be replaced by “spectator facilities.”

Article 17 (Application of Prefectural Ordinance to exhibition facilities)

Besides the provisions stipulated in these Guidelines, Article 15, items (2) and (3); Article 16 (excluding item 3), Article 17, paragraph 4; and Article 18, paragraphs 2 and 3 shall apply to exhibition facilities described in Article 7, item (2) of these Guidelines. In this case, “performance facilities” and “theater halls” shall be replaced by “exhibition facilities” and “exhibition rooms,” respectively.

Article 18. (Relaxation of restrictions)

Where there is no problem in terms of safety, fire prevention or sanitation, all or part of the restrictions stipulated herein can be relaxed.

Article 19. (Addition of restrictions)

Concerning buildings coming under these Guidelines, further conditions can be added or permits granted for further necessary measures, if necessary in terms of safety, fire prevention or sanitation.