

Item	Fire Safety Provisions	Minimum Requirements	Low Hazard	Ordinary	High Hazard
5.1.3	STORED ELECTRICAL ENERGY SYSTEMS	Stored electrical energy systems shall be installed, tested, and maintained in accordance with NFPA 111.	Required	Required	Required
5.2	COMMERCIAL COOKING OPERATIONS	Where permitted, commercial cooking operations shall be protected in accordance with NFPA 96.	Required	Required	Required
5.3	ELEVATORS, ESCALATORS, and CONVEYORS	An elevator, shall not be considered a component in a required means of egress and shall be in accordance with NFPA 101 section 9.4.	Required	Required	Required
5.3.1	NUMBER OF CARS	The number of elevator cars permitted in a hoistway shall be not more than three (3).	Required	Required	Required
5.3.2	OPENINGS TO EXIT ENCLOSURES	Conveyors, elevators, dumbwaiters, and pneumatic conveyors serving various stories of a building shall not open to an exit enclosure.	Required	Required	Required
5.4	FIRE PUMPS				
5.5.1	FIRE PUMPS ROOM	QCD FLS Annex _A6 – Revisions_2021	Required	Required	Required
5.5	SUBSTATION and SWITCHGEARS	QCD FLS Annex _A8 – Revisions_2021	Required	Required	Required
5.6	(Reserved).				
6.0	SPECIAL PROVISIONS for OPEN-SIDES STORAGE BUILDINGS	Open-sides Storage Buildings shall comply with the applicable NFPA codes and standards and this FLS Occupancy Chapter.			
6.1	APPLICATIONS	The requirements of Storage Occupancies sections 1.0 through 4.0 shall be met, except as modified by 6.1.1 through 6.1.4.	Required	Required	NA
6.1.1	OPENINGS REQUIREMENT	All sides of the storage building shall be open and without walls to be considered as an open-side or sheds storage building.	Required	Required	NA



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6.1.1.1	External Walls	External walls along the perimeter of the building shall be permitted, provided the wall does not exceed 1 m. height from the finished floor line.	Permitted	Permitted	NA
6.1.2	HAZARD CLASSIFICATION	Provisions in 6.1 through 6.1.9 shall only be limited to storage contents classified as low and ordinary hazards.	Required	Required	NA
6.1.3	BUILDING AREA	Gross area of one compartment or fire area shall not exceed 4000 m ² .	Required	Required	NA
6.1.4	BUILDING HEIGHT	Building height from the finished floor level up to the level of the junction between the supporting column and the beam or roof assembly, shall be not less than 4 m.	Required	Required	NA
6.1.4.1	Contents Storage Height	Storage of commodities shall be arranged so as not to exceed a maximum height of 3 m., when stored in racks, piled or stacked atop each other.	Required	Required	NA
6.1.4.2	Spacing between Storage Racks/ Shelves	When aisles are created within a storage piles or areas, aisle shall have a minimum clear width of 1.2 m.	Required	Required	NA
6.1.5	EXPOSURE PROTECTION	Open-sides or shed storage building shall be separated from the property line and other buildings located on the same lot.	Required	Required	NA
6.1.5.1	Horizontal Separation	A minimum horizontal separation of 6 m. shall be provided between the open-side/shed storage building and the property line or other buildings located on the same lot.	Required	Required	NA
6.1.5.2		The horizontal separation shall be measured at a 90-degree angle to the exterior surface of the building.	Required	Required	NA
6.1.6	AUTOMATIC SPRINKLER SYSTEM	An automatic sprinkler system shall not be required in open-side or shed storage building complying with the conditions in 6.1.1 through 6.1.5.2.	NR-Not Required	NR	NA
6.1.7	FIRE DETECTION	A fire detection system shall not be required in open-sides storage buildings complying with the conditions in 6.1.1 through 6.1.5.2.	NR	NR	NA



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6.1.8.1	Initiation	Initiation of the fire alarm system shall be in accordance with the requirements for storage occupancies in 3.4.	Required	Required	NA
6.1.8.2	Notification	Notification of the fire alarm system shall be in accordance with the requirements for storage occupancies in 3.4.	Required	Required	NA
6.1.9	SMOKE CONTROL SYSTEM	Smoke control system shall not be required in open-wall storage buildings complying with the conditions in 6.1.1 through 6.1.5.2.	NR	NR	NA
6.2	(Reserved).				
7.0	SPECIAL PROVISIONS for AIRCRAFT STORAGE HANGARS.	Aircraft Storage Hangars shall comply with the applicable NFPA codes and standards and this FLS Occupancy Chapter.			
7.1	GENERAL	For further information on, and provisions for aircraft hangars, see NFPA 409 Standard on Aircraft Hangars.			
7.1.1	APPLICATIONS	The requirements of Storage Occupancy sections 1.0 through 4.0 shall be met, except as modified by 7.1.1.1 through 7.1.3	NA-Not Applicable	Required	NA
7.1.1.1	Number of Exits	There shall be not less than two (2) means of egress from each aircraft storage area.	NA	Required	NA
7.1.1.2		Exits from aircraft storage areas shall be provided at intervals not exceeding 46 m on all exterior walls.	NA	Required	NA
7.1.1.3	Egress Components	Where horizontal exits are provided, doors shall be provided in the horizontal exit fire barrier at intervals not exceeding 30 m.	NA	Required	NA
7.1.1.4		Where dwarf or "smash" doors are provided in doors that accommodate aircraft, such doors shall be permitted for compliance with 7.1.1.1 through 7.1.1.3.	NA	Required	NA
7.1.2	ARRANGEMENT OF MEANS OF EGRESS AND DISCHARGE FROM EXITS	Means of egress from mezzanine floors in aircraft storage areas shall be arranged so that the travel distance to the nearest exit from any point on the mezzanine does not exceed 23 m.	NA	Required	NA
7.1.2.1		The means of egress required in 7.1.2, shall lead directly to a properly enclosed stair discharging directly to the exterior, to a suitable cutoff area, or to outside stairs.	NA	Required	NA

