



## GUIDELINES FOR THE NON-PROVISIONS OF AUTOMATIC SPRINKLER SYSTEM AND FIRE HOSE REEL SYSTEM

ITEM	TYPE OF BUILDING / OCCUPANCY	LIMITATIONS			CONDITIONS
		HEIGHT LIMIT	AREA LIMIT	BASEMENT LEVELS	
<b>1.0</b>	<b>RESIDENTIAL APARTMENTS</b>				
1.1	NEW APARTMENT BUILDINGS	Low Rise and Mid-rise Buildings of less than 28 m habitable height.	No Area Limit	Equal or less than 1115 m <sup>2</sup> Floor Area of One (1) Basement Level (Enclosed Parking)	Buildings with Vertical Openings protected in accordance with NFPA 101 8.6.6 Communicating Space
1.2	EXISTING APARTMENT BUILDINGS	Low Rise and Mid-rise Buildings of less than 28 m habitable height.	No Area Limit	Equal or less than 1115 m <sup>2</sup> Floor Area of One (1) Basement Level (Enclosed Parking)	
1.3	OPEN PARKING STRUCTURES CONTIGUOUS WITH APARTMENT BUILDINGS	No Height Limit	No Area Limit	Complies with NFPA 88A requirements for Open Parking Structures	
<b>2.0</b>	<b>HOTEL AND DORMITORY BUILDINGS</b>				
2.1	NEW HOTEL & DORMITORY BUILDINGS	Low-rise Buildings of less than 15m habitable height	Less than 500 m <sup>2</sup> Floor Area per floor level	Equal or less than 1115 m <sup>2</sup> Floor Area of One (1) Basement Level (Enclosed Parking)	Provided with access to not less than two (2) separate exit.
2.2	EXISTING HOTEL & DORMITORY BUILDINGS	Buildings on street or finished ground level or in buildings three or fewer stories in height	No Area Limit	Not permitted without Automatic Sprinkler System and Fire Hose Reel	Each guest room or guest suite has exterior exit access.
2.3	OPEN PARKING STRUCTURES CONTIGUOUS WITH HOTEL & DORMITORY BUILDINGS	No Height Limit	No Area Limit	Complies with NFPA 88A requirements for Open Parking Structures	



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<b>3.0</b>	<b>ACCOMODATION BUILDINGS</b>				
3.1	NEW ACCOMODATION BUILDINGS	Low Rise Buildings of less than 4 stories in height (G+3)	No Area Limit	Equal or less than 1115 m <sup>2</sup> Floor Area of One (1) Basement Level (Enclosed Parking)	Buildings with Vertical Openings protected in accordance with NFPA 101 8.6.6 Communicating Space
3.2	EXISTING ACCOMODATION BUILDINGS	Low Rise Buildings of less than 4 stories in height (G+3)	No Area Limit	Equal or less than 1115 m <sup>2</sup> Floor Area of One (1) Basement Level (Enclosed Parking)	
3.3	OPEN PARKING STRUCTURES THAT ARE CONTIGUOUS WITH ACCOMODATION BUILDINGS	No Height Limit	No Area Limit	Complies with NFPA 88A requirements for Open Parking Structures	
<b>4.0</b>	<b>MERCANTILE OCCUPANCY</b>				
4.1	NEW CLASS A & CLASS B MERCANTILE	Low Rise and Mid-rise Buildings of equal or less than 3 stories in height	Equal or less than 1115m <sup>2</sup> gross floor area	Equal or less than 232m <sup>2</sup> floor area	Basement Areas not used for the sale, storage, or handling of combustible goods and merchandise
4.2	NEW CLASS C MERCANTILE OCCUPANCIES	One story in height	Equal or less than 280m <sup>2</sup> gross floor area	Equal or less than 232m <sup>2</sup> floor area	G+M that meet the requirements of a mezzanine level
4.3	MULTIPLE OCCUPANCIES (MIXED OCCUPANCIES)	Low Rise and Mid-rise Buildings of equal or less than 3 stories in height	Equal or less than 1115m <sup>2</sup> gross floor area	Equal or less than 232m <sup>2</sup> floor area	Basement Areas not used for the sale, storage, or handling of combustible goods and merchandise



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4.4	EXISTING MERCANTILE OCCUPANCIES:	<i>Low Rise and Mid-rise Buildings of equal or less than 3 stories in height</i>	<i>With a story less than 1400m<sup>2</sup> floor area or less than 2800m<sup>2</sup> gross floor area of all floors</i>	<i>Equal or less than 232m<sup>2</sup> floor area</i>	<i>Basement Areas not used for the sale, storage, or handling of combustible goods and merchandise</i>
4.5	ONE-STORY EXISTING MERCANTILE OCCUPANCIES	<i>One-story buildings that meet the requirements of a street floor</i>	<i>With a story less than 1400m<sup>2</sup> floor area or less than 2800m<sup>2</sup> gross floor area of all floors</i>	<i>Equal or less than 232m<sup>2</sup> floor area</i>	<i>Basement Areas not used for the sale, storage, or handling of combustible goods and merchandise</i>
<b>5.0</b>	<b>BUSINESS OCCUPANCY</b>				
5.1	NEW & EXISTING OFFICE BUILDINGS	<i>Low Rise and Mid-rise Buildings of less than 28 m habitable height.</i>	<i>No Area Limit</i>	<i>Equal or less than 1115 m<sup>2</sup> Floor Area of One (1) Basement Level (Enclosed Parking)</i>	<i>Buildings with Vertical Openings protected in accordance with NFPA 101.8.6.7 Atrium.</i>
5.2	(FIRE) SEPARATED BUSINESS OCCUPANCIES AND PARKING STRUCTURES	<i>Low Rise and Mid-rise Buildings of less than 28 m habitable height.</i>	<i>No Area Limit</i>	<i>Complies with NFPA 88A requirements for Open Parking Structures</i>	<i>Buildings with Vertical Openings protected in accordance with NFPA 101.8.6.7 Atrium.</i>
<b>6.0</b>	<b>DAY CARE OCCUPANCY</b>				
6.1	NEW & EXISTING DAY CARE FACILITIES:  (1) ADULT DAY-CARE, (2) CHILD DAY-CARE, (3) DAY-CARE HOMES, (4) KINDERGARTEN CLASSES (incidental to a child day-care) & (5) NURSERY SCHOOLS	<i>Equal or less than 2 stories in height</i>	<i>Less than 1120 m<sup>2</sup> Floor Area.</i>	<i>Equal or less than 1115 m<sup>2</sup> Floor Area of One (1) Level Basement (Parking) separated from the rest of the building by 1-hour fire resistance-rated construction.</i>	<i>(i) Without clients under 24 months old. (ii) Without clients incapable of self-preservation. (iii) Buildings with Vertical Openings protected in accordance with NFPA 101 8 6.6 Communicating Space</i>



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7.0	EDUCATIONAL OCCUPANCY				
7.1	NEW SCHOOL BUILDING	Equal or less than 3 stories in height	Less than 1120 m <sup>2</sup> Floor Area.	<p>(i) Equal or less than 1115 m<sup>2</sup> Floor Area of One (1) Level Basement (Parking) separated from the rest of the building by 1-hour fire resistance-rated construction.</p> <p>(ii) In any level below the level of discharge without classrooms or other rooms subject to student occupancy.</p>	Buildings with Vertical Openings protected in accordance with NFPA 101 8.6.6 Communicating Space
7.2	EXISTING SCHOOL BUILDING	Equal or less than 3 stories in height	No Area Limit	<p>(i) Equal or less than 1115 m<sup>2</sup> Floor Area of One (1) Level Basement (Parking) separated from the rest of the building by 1-hour fire resistance-rated construction.</p> <p>(ii) Below the level of exit discharge NOT SUBJECT to student occupancy, separated from the rest of the building by 1-hour fire resistance rated construction.</p>	<p>(i) Below the level of exit discharge, SUBJECT to student occupancy provided both of the following criteria are met:</p> <p>(1) The approval of the authority having jurisdiction (QCD) shall be required, and</p> <p>(2) Windows for rescue and ventilation shall be provided in accordance with NFPA 101: 15.2.11.1</p> <p>(ii) Buildings with Vertical Openings protected in accordance with NFPA 101 8.6.6 Communicating Space</p>



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<b>8.0</b>	<b>ASSEMBLY OCCUPANCY</b>				
8.1	<p>NEW ASSEMBLY OCCUPANCIES</p> <p>Except in:</p> <p>(1) DANCE HALLS, (2) DISCOTHEQUES, (3) NIGHTCLUBS, (4) ASSEMBLY OCCUPANCIES WITH FESTIVAL SEATING</p>	<p>Low Rise and Mid-rise Buildings of less than 28 m habitable height.</p>	<p>(i) Less than 300 aggregate number of occupants in any building containing one or more assembly occupancies.</p> <p>(ii) Less than 1115m<sup>2</sup> in single multi-purpose room not used for exhibition and display; not part of a mixed occupancy.</p>	<p>Not permitted without Automatic Sprinkler System and Fire Hose Reel</p>	<p>Gymnasiums, Skating Rinks and Swimming Pools used exclusively for participant sports with no audience facility for more than 300 people</p>
8.2	<p>EXISTING ASSEMBLY OCCUPANCIES:</p> <p>(1) DANCE HALLS, (2) DISCOTHEQUES, (3) NIGHTCLUBS, (4) ASSEMBLY OCCUPANCIES WITH FESTIVAL SEATING</p>	<p>Low Rise and Mid-rise Buildings of less than 28 m habitable height.</p>	<p>(i) Occupant load is less than 100.</p> <p>(ii) In any assembly occupancy used or capable of being used for exhibition or display purposes where the exhibition or display area does not exceed 1400 m<sup>2</sup>.</p>	<p>Not permitted without Automatic Sprinkler System and Fire Hose Reel</p>	





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8.3	Locations in (NEW) STADIA AND ARENAS				<p>(i) Over the floor areas used for contest, performance, or entertainment, roof construction is more than 15m above the floor level; use is restricted to low fire hazard uses.</p> <p>(ii) Over the seating areas, provided that use is restricted to low fire hazard uses.</p> <p>(iii) Over open-air concourses where an approved engineering analysis substantiates the ineffectiveness of the sprinkler protection due to building height and combustible loading.</p>
8.4	Locations in unenclosed (NEW & EXISTING) STADIA AND ARENAS				<p>(i) Press boxes of less than 93 m<sup>2</sup>.</p> <p>(ii) Storage facilities of less than 93 m<sup>2</sup> if enclosed with not less than 1-hour fire resistance-rated construction.</p> <p>(iii) Enclosed areas underneath grandstands that comply with NFPA 101: 12/13.4.9.5</p>



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8.5	Locations in (EXISTING) STADIA AND ARENAS				(i) Over the floor areas used for contest, performance, or entertainment (ii) Over the seating areas (iii) Over open-air concourses where an approved engineering analysis substantiates the ineffectiveness of the sprinkler protection due to building height and combustible loading
9.0	HEALTHCARE OCCUPANCY				
9.1	NEW HOSPITALS, NURSING HOMES, & LIMITED CARE FACILITIES	Not permitted without Automatic Sprinkler System and Fire Hose Reel	Not permitted without Automatic Sprinkler System and Fire Hose Reel	Not permitted without Automatic Sprinkler System and Fire Hose Reel	In Type I and Type II construction, alternative protection measures is permitted to be substituted for sprinklers in specified areas.
9.2	EXISTING HOSPITALS & LIMITED CARE FACILITIES	Low Rise and Mid-rise Buildings of less than 28 m habitable height.	No Area Limit	Not permitted without Automatic Sprinkler System and Fire Hose Reel	(i) Where NOT required base on the Type of Construction in accordance with NFPA 101. of 20/21.1 6. (i) In Type I and Type II construction, alternative protection measures is permitted to be substituted for sprinklers in specified areas.



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<b>10.0</b>	<b>AMBULATORY HEALTHCARE</b>				
10.1	NEW & EXISTING OUTPATIENT FACILITIES; MEDICAL/DENTAL CLINICS (SERVICES OR TREATMENT SIMULTANEOUSLY TO 4 OR MORE PATIENTS ON OUTPATIENT BASIS)	Low Rise and Mid-rise Buildings of less than 28 m habitable height.	No Area Limit	Equal or less than 1115 m <sup>2</sup> Floor Area of One (1) Basement Level (Enclosed Parking)	Where NOT required base on the Type of Construction in accordance with NFPA 101 of 20/21 1.6
<b>11.0</b>	<b>DETENTION &amp; CORRECTIONAL</b>				
11.1	USE CONDITION I — FREE EGRESS FACILITIES.	Low Rise and Mid-rise Buildings of less than 28 m habitable height.	No Area Limit	Equal or less than 1115 m <sup>2</sup> Floor Area of One (1) Basement Level (Enclosed Parking)	
11.2	USE CONDITION II / USE CONDITION III USE CONDITION IV & USE CONDITION V FACILITIES	Not permitted without Automatic Sprinkler System and Fire Hose Reel	Not permitted without Automatic Sprinkler System and Fire Hose Reel	Not permitted without Automatic Sprinkler System and Fire Hose Reel	
11.3	RESIDENT HOUSING SPACES	Low Rise and Mid-rise Buildings of less than 28 m habitable height.	Subdivided in accordance with NFPA 101 Table 22.4.4.11.	Not permitted without Automatic Sprinkler System and Fire Hose Reel	(i) Occupant load to not more than 200 residents in any smoke compartment. (ii) travel distance to a door in a smoke barrier in accordance with both of the following criteria: (a) The distance from any room door required as exit access shall not exceed 30 m. (b) The distance from any point in a room shall not exceed 46 m.





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<b>12.0</b>	<b>INDUSTRIAL OCCUPANCY</b>				
12.1	LOW HAZARD FACTORY/WORKSHOP	<i>Low Rise and Mid-rise Buildings of less than 28 m habitable height.</i>	<i>No Area Limit</i>	<i>One Basement Level (only) of ≤ 1115 m<sup>2</sup> Floor Area.</i>	
12.2	ORDINARY HAZARD FACTORY/WORKSHOP	<i>Less than 3 Stories in Height.</i>	<i>(i) Equal or less than 1115 m<sup>2</sup> Floor Area. (ii) Less than 2230m<sup>2</sup> total area of all Floors including Mezzanine.</i>	<i>One Basement Level (only) of ≤ 1115 m<sup>2</sup> Floor Area.</i>	
12.3	CARPENTRY WORKSHOP (WOODWORKING)	<i>Less than 3 Stories in Height.</i>	<i>Woodworking Operations of less than ≤ 232 m<sup>2</sup></i>	<i>One Basement Level (only) of ≤ 1115 m<sup>2</sup> Floor Area with Woodworking Operations of less than ≤ 232 m<sup>2</sup></i>	<i>Woodworking Operations: Use equipment, machinery, or appliances; that generate finely divided combustible waste; or that use finely divided combustible materials.</i>
12.4	POWER GENERATION BUILDINGS  TYPE I OR TYPE II CONSTRUCTION USED EXCLUSIVELY FOR THE ENCLOSURES OF STEAM GENERATORS, STEAM TURBINES, GAS TURBINES, HEAT RECOVERY GENERATORS, & FLUE GAS TREATMENT EQUIPMENT	<i>Less than 3 Stories in Height.</i>	<i>(i) Equal or less than 1115 m<sup>2</sup> Floor Area. (ii) Less than 2230m<sup>2</sup> total area of all Floors including Mezzanine.</i>	<i>One Basement Level (only) of ≤ 1115 m<sup>2</sup> Floor Area.</i>	<i>Special hazards protected by approved automatic suppression systems in accordance with NFPA11, NFPA12, NFPA13, NFPA15, NFPA 16, NFPA 17, NFPA 750, or NFPA 2001</i>



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13.0	STORAGE OCCUPANCY				
13.1	LOW HAZARD STORAGE/WAREHOUSE	Low Rise and Mid-rise Buildings of less than 28 m habitable height.	No Area Limit	One Basement Level (only) of $\leq 1115 \text{ m}^2$ Floor Area.	
13.2	ORDINARY HAZARD STORAGE/WAREHOUSE	Less than 3 Stories in Height.	(i) Equal or less than $1115 \text{ m}^2$ Floor Area. (ii) Less than $2230 \text{ m}^2$ total area of all Floors including Mezzanine.	One Basement Level (only) of $\leq 1115 \text{ m}^2$ Floor Area.	
13.3	BULK STORAGE OF TIRES	Less than 3 Stories in Height.	Equal or less than $566 \text{ m}^3$ volume for the storage of tires.	Equal or less than $566 \text{ m}^3$ volume for the storage of tires.	
13.4	MINI STORAGE BUILDINGS	Less than 3 Stories in Height.	Equal or less $232 \text{ m}^2$ Floor Area.	Equal or less $232 \text{ m}^2$ Floor Area.	
13.5	OPEN PARKING STRUCTURES	Complies with NFPA 88A requirements for Open Parking Structures	Complies with NFPA 88A requirements for Open Parking Structures	Complies with NFPA 88A requirements for Open Parking Structures	