EDUCATIONAL OCCUPANCY



			EDUCATIONAL OCCUPANCY					
1.0	GENERAL REQ	UIREMENTS.	The requirements of this chapter shall apply to buildings or portions thereof used as educational occupancies.					
	. ,		purposes through the twelfth grade (K12) by six the same occupants regularly present.	c or more persons for 4 or m	nore hours per day or			
	Kindergartens		Academies	Schools				
	Educational facili	ties that do not me	et the definition of an educational occupancy sho	all comply with the following	requirements:			
1.1	Occupancy.	nbly Occupancy; (4	4) Laboratories, instructional — Business Occupar	ncy; (5) Laboratories, non-in	structional — Industrial			
	School/Grade Le	evel	Location or Floor Level/s	Floor Area (m²)	Basement Level Usage			
1.1.1	KINDERGARTEN Level	KG Levels	Ground Floor or in Level of Exit Discharge					
1.1.2	PRIMARY	Levels 1, 2, 3		NI - 1111				
1.1.2	Level	Levels 4, 5, 6		No Limit [see requirements for	See Clause 2.1.5			
1.1.3	PREPARATORY Level	Levels 7, 8, 9	Two (2) - story (G+1) maximum	Fire Sprinkler System]	See Clause 2.1.3			
1.1.4	SECONDARY Level	Levels 10, 11, 12	Three (3) - story (G+2) maximum					



		FIRE AND LIFE SAFETY REQUIREMENT				
Item	Fire Safety Provisions	Minimum Requirements	Kindergarten	Primary	Preparatory	Secondary
1.2	CLASSIFICATION OF OCCUPANCIES					
1.2.1	GENERAL	Where multiple occupancies are to be protected as mixed occupancies, the most stringent requirement applicable to any of the occupancies present is to be applied to all occupancies.	Required	Required	Required	Required
1.2.2	ATRIUM WALLS USED IN AN OCCUPANCY SEPARATION	Atrium walls shall be permitted to serve as part of the separation for creating separated occupancies on a story-by-story basis.	Permitted	Permitted	Permitted	Permitted
1.2.3	ASSEMBLY AND EDUCATIONAL	Spaces subject to assembly occupancy shall comply with Assembly Occupancy.	Required	Required	Required	Required
1.2.3.1	Assembly and Educational	Where auditorium and gymnasium egress lead through corridors or stairways also serving as egress for other parts of the building, the egress capacity shall be sufficient to allow simultaneous egress from auditorium and classroom sections.	Required	Required	Required	Required
1.2.4	DORMITORY AND CLASSROOMS	Any building used for both classroom and dormitory purposes shall comply with the applicable provisions of the Dormitory Occupancy in addition to complying with Educational Occupancy.	Required	Required	Required	Required
1.3	OCCUPANT LOAD	Determined on the basis of the occupant load factors (OLF) that are characteristic of the use of the space as specified in 1.3.1 and 1.3.2	Required	Required	Required	Required
1.3.1	OCCUPANT LOAD FACTOR (OLF)	The occupant load in Classrooms shall be not less than the number of persons determined by dividing the floor area assigned to that use by the OLF of 1.9 net m ² /person.	Required	Required	Required	Required



Item	Fire Safety Provisions	Minimum Requirements	Kindergar- ten	Primary	Preparatory	Secondary
1.3.2		The occupant load in Shops, Laboratories, and Vocational Rooms shall be not less than the number of persons determined by dividing the floor area assigned to that use by the OLF of 4.6 net m ² /person.	Required	Required	Required	Required
1.3.3	MODIFIED OCCUPANT LOAD	An approved aisle or seating diagram (number of fixed seats) shall be provided to substantiate the modification permitted.	Required	Required	Required	Required
1.4	CLASSIFICATION OF HAZARD OF CONTENTS	In general, educational occupancies contain ordinary hazard contents. Some laboratories and storage areas might contain high hazard contents.	Required	Required	Required	Required
1.5	MINIMUM CONSTRUCTION REQUIREMENTS.	Construction shall be in accordance with NFPA 5000 Chapters 7–8, 13–14, 31, and 35–40.	Required	Required	Required	Required
1.6	ACCESSIBILITY.	Accessibility shall be in accordance with NFPA 5000 Chapter 12.	Required	Required	Required	Required
1.7	(Reserved).					•
2.0	MEANS of EGRESS REQUIREMENTS.	Means of egress shall comply with NFPA 101 Chapter 7, and as modified in item 2.0 of this FLS Occupancy Chapter.				
2.1	GENERAL	Rooms normally occupied by students shall be located as specified in 2.1.1 through 2.1.4.	Required	Required	Required	Required
2.1.1	PRESCHOOL/KINDERGARTEN and PRIMARY LEVELS 1, 2 & 3	Rooms normally occupied by preschool, kindergarten, or primary levels 1, 2 & 3 students SHALL be located in the ground floor or on a level of exit discharge (G).	Required	Required	-	-
2.1.2	PRIMARY LEVELS 4, 5 & 6 and PREPARATORY LEVELS 7, 8 & 9	Rooms normally occupied by primary levels 4, 5 & 6 and preparatory levels 7, 8 & 9 students SHALL NOT be located more than one story above the ground floor or above a level of exit discharge (G+1).	-	Required	Required	-



Item	Fire Safety Provisions	Minimum Requirements	Kindergar- ten	Primary	Preparatory	Secondary
2.1.3	SECONDARY LEVELS 10,11 & 12	Rooms normally occupied by secondary levels 10, 11 & 12 students SHALL NOT be located more than two story above the ground floor or above a level of exit discharge (G+2).	-	-	-	Required
2.1.4	LABORATORIES	Laboratories and other similar rooms SHALL NOT be located in levels below the level of exit discharge (LED) or in basement levels.	Required	Required	Required	Required
2.1.4.1	Means of Escape	Laboratories and other similar rooms shall be provided with not less than two (2) exit access doors doors leading to separate exits.	Required	Required	Required	Required
2.1.5	BASEMENT USAGE	Classrooms and other rooms that is normally subject to student occupancy SHALL NOT be located in levels below the level of exit discharge (LED) or in basement levels.	Required	Required	Required	Required
2.1.5.1	Swimming Pools	Swimming pools may be located in basement, provided the following conditions are met:	Permitted	Permitted	Permitted	Permitted
2.1.5.1(1)	Use of Pools and Pool Decks	Pools and decks shall be dedicated for instructional purposes only.	Required	Required	Required	Required
2.1.5.1(2)	Means of Egress (Pool Areas)	The pool area or swimming pool hall shall be provided with not less than two (2) independent means of egress dedicated for use by students using the pool at any given time.	Required	Required	Required	Required
2.1.5.1(3)	Discharge of Means of Egress	The pool area's independent means of egress required in 2.1.5.1(2), shall terminate directly at the exterior of the building within the school grounds or premises.	Required	Required	Required	Required



ltem	Fire Safety Provisions	Minimum Requirements	Kindergar- ten	Primary	Preparatory	Secondary
2.1.5.1(4)	Pool Barriers	Barriers to prevent unauthorized access to pools during use, and at times when not in use, shall be provided.	Required	Required	Required	Required
2.1.5.1(5)	Pool Safety Equipment	Safety equipment, such as, but not limited, to shepherds crook or life saving hook and/or reaching pole, ring bouy and first aid kits shall be provided within the pool deck area.	Required	Required	Required	Required
2.1.5.1(5) (a)		The safety equipment and first aid kits required in 2.1.5.1(5) shall be kept in a location that will be visible and accessible to the lifeguard or swimming instructor.	Required	Required	Required	Required
2.1.5.2	Indoor Sports Facilities/Gymnasium	Indoor sports facilities, playing courts/field and or gymnasium may be located in basement, provided the following conditions are met:	Required	Required	Required	Required
2.1.5.2(1)	Use of Sports Facilities	The sports facilities, courts or gym shall be dedicated for instructional purposes and use exclusively for school related activities only	Required	Required	Required	Required
2.1.5.2(2)	Means of Egress (Sports Facilities)	The sports facilities shall be provided with not less than two (2)independent means of egress dedicated for use by students using the sports facilities at any given time.	Required	Required	Required	Required
2.1.5.2(3)	Discharge of Means of Egress	The sports facilities independent means of egress required in 2.1.5.2(2), shall comply with the same requirements for pool areas in 2.1.5.1(3).	Required	Required	Required	Required
2.1.5.3	Multi-level Basement	Swimming pool halls, sports facilities and other spaces that is not normally subject to student occupancy, and that is permitted in basement, SHALL NOT be located more than one basement level or more than one level below the level of exit discharge.	Required	Required	Required	Required



ltem	Fire Safety Provisions	Minimum Requirements	Kindergar- ten	Primary	Preparatory	Secondary
2.2	MEANS OF EGRESS COMPONENTS	Components of means of egress shall be limited to the types describe in described in 2.2.1 through 2.2.6.				
2.2.1	DOORS	Doors shall be in accordance with NFPA 101 section 7.2.1,	Required	Required	Required	Required
2.2.1.1	Locks	Any door in a required means of egress from an area having an occupant load of 100 or more persons shall be permitted to be provided with a latch or lock only if the latch or lock is panic hardware or fire exit hardware complying with NFPA 101 7.2.1.7.	Permitted	Permitted	Permitted	Permitted
2.2.1.2	Special Locking	Delayed-egress electrical locking systems complying with NFPA 101 section 7.2.1.6.1.	Permitted	Permitted	Permitted	Permitted
2.2.1.3		Sensor-release of electrical locking systems complying with NFPA 101 section 7.2.1.6.2	Permitted	Permitted	Permitted	Permitted
2.2.1.4		Elevator lobby exit access door assemblies locking in accordance with NFPA 101 section 7.2.1.6.3	Permitted	Permitted	Permitted	Permitted
2.2.2	STAIRS	Stairs complying with NFPA 101 section 7.2.2.	Permitted	Permitted	Permitted	Permitted
2.2.2.1	Additional Handrails	Additional handrails on stairs that are used extensively by children 5 years of age or less at a height in the range of 710 mm to 810 mm shall be permitted.	Permitted	Permitted	Permitted	Permitted
2.2.2.2	Lifts/Elevators	Lift or elevators, serving various stories of a building located within an exit stair enclosure.	Not Permitted	Not Permitted	Not Permitted	Not Permitted
2.2.3	SMOKEPROOF ENCLOSURES	Smokeproof enclosures complying with NFPA 101 section 7.2.3.	Permitted	Permitted	Permitted	Permitted



ltem	Fire Safety Provisions	Minimum Requirements	Kindergar- ten	Primary	Preparatory	Secondary
2.2.4	HORIZONTAL EXITS	Horizontal exit as a component in a means of egress or used as substitute for other exits shall comply with all the criteria in NFPA 101 section 7.2.4.	Permitted	Permitted	Permitted	Permitted
2.2.5	RAMPS	Ramps complying with NFPA 101 section 7.2.5.	Permitted	Permitted	Permitted	Permitted
2.2.6	EXIT PASSAGEWAY	Exit passageways complying with NFPA 101 section 7.2.6	Permitted	Permitted	Permitted	Permitted
2.3	CAPACITY OF MEANS OF EGRESS	Capacity of means of egress shall be in accordance with NFPA 101 7.3.	Required	Required	Required	Required
2.3.1	EXIT ACCESS CORRIDOR WIDTH	Corridors shall have not less than 1830 mm of clear width.	Required	Required	Required	Required
2.3.2		Exit access corridors with a required capacity of less than 100 persons shall have not less than 1200 mm of clear width.	Required	Required	Required	Required
2.4	NUMBER OF MEANS OF EGRESS	The number of means of egress shall be in accordance with NFPA 101 section 7.4.	Required	Required	Required	Required
2.4.1	GENERAL	Not less than two (2) separate exits shall be in accordance with the following criteria:	Required	Required	Required	Required
2.4.1.1		Not less than two separate exits shall be provided on every story.	Required	Required	Required	Required
2.4.1.2		The required exits shall be accessible from every part of every story and mezzanine.	Required	Required	Required	Required
2.5	ARRANGEMENT OF MEANS OF EGRESS	Means of egress shall be arranged in accordance with NFPA 101 section 7.5.	Required	Required	Required	Required



ltem	Fire Safety Provisions	Minimum Requirements	Kindergar- ten	Primary	Preparatory	Secondary
2.5.1	ROOMS larger than 93 m ² or with more than 50 occupants	Every room or space larger than 93 m ² or with an occupant load of more than 50 persons shall comply with the following:	Required	Required	Required	Required
2.5.1.1		The room or space shall have a minimum of two exit access doors.	Required	Required	Required	Required
2.5.1.2		The required access doors shall provide access to separate exits.	Required	Required	Required	Required
2.5.1.3		The required access doors shall be permitted to open onto a common corridor, provided that such corridor leads to separate exits located in opposite directions.	Required	Required	Required	Required
2.5.2	EXIT ACCESS DOORS in Rooms subject to student occupancy	Every room that is normally subject to student occupancy shall have an exit access door leading directly to an exit access corridor or exit, unless otherwise permitted by one of the following:	Required	Required	Required	Required
2.5.2.1	Exemption	This requirement shall not apply where an exit door opens directly to the outside or to an exterior balcony or exterior access corridor.	Required	Required	Required	Required
2.5.2.2	Intervening Rooms	One room shall be permitted to intervene between a normally occupied student room and an exit access corridor, provided that all of the following criteria are met:	Required	Required	Required	Required
2.5.2.2(1)	Travel Distance through Intervening Rooms	The travel from a room served by an intervening room to the corridor door or exit shall not exceed 23 m.	Required	Required	Required	Required



Item	Fire Safety Provisions	Minimum Requirements	Kindergar- ten	Primary	Preparatory	Secondary
2.5.2.2(2)	Personal Effects	Clothing, personal effects, or other materials shall be stored in metal lockers, provided that they do not obstruct the exit access.	Required	Required	Required	Required
2.5.2.2(3)	Protection	One of the following means of protection shall be provided:	Required	Required	Required	Required
2.5.2.2(3) (a)		The intervening room shall have approved fire detection that activates the building alarm.	Required	Required	Required	Required
2.5.2.2(3) (b)		The building shall be protected by an approved, supervised automatic sprinkler system	Required	Required	Required	Required
2.5.3	DOORS opening onto an exit access corridor	Doors that swing into an exit access corridor shall be arranged to prevent interference with corridor travel.	Required	Required	Required	Required
2.5.4	AISLE WIDTH	Aisles shall be not less than 760 mm wide.	Required	Required	Required	Required
2.5.4.1		The space between parallel rows of seats shall not be subject to the minimum aisle width, provided that the number of seats that intervenes between any seat and an aisle does not exceed six.	Required	Required	Required	Required
2.5.5	EXTERIOR EXIT ACCESS	A corridor roofed over and enclosed on its long side and open to the atmosphere at the end is permitted to be considered an exterior corridor if either of the following criteria are met:	Required	Required	Required	Required
2.5.5.1		Clear story openings for the corridor are provided on both sides of the corridor and above adjacent roofs or buildings, and such clear openings are not less than one-half the height of the corridor walls.	Required	Required	Required	Required



Item	Fire Safety Provisions	Minimum Requirements	Kindergar- ten	Primary	Preparatory	Secondary
2.5.5.2		The corridor roof has unobstructed openings to the sky not less than 50 percent of the area of the roof.	Required	Required	Required	Required
2.5.5.3		The openings in 2.5.5.1 and 2.5.5.2 are to be equally distributed, and, if louvers are installed, they are to be fixed open with a clear area based on the actual openings between louver vanes.	Required	Required	Required	Required
2.5.6	TRAVEL DISTANCE (TD) TO EXITS	Travel distance shall be measured in accordance with 2.5.6.1	Required	Required	Required	Required
2.5.6.1	Maximum Travel Distance	Travel distance to an exit hall not exceed 61.0 m from any point in a building (sprinkler protected).	Required	Required	Required	Required
2.5.7	COMMON PATH (CP) OF TRAVEL	Common path of travel shall comply with 2.5.7.1	Required	Required	Required	Required
2.5.7.1	Common Path Limit	Common path shall be limited to 30.0 m (sprinkler protected).	Required	Required	Required	Required
2.5.8	DEAD-END (DE)	Dead-end corridors shall be permitted in accordance with 2.5.8.1	Required	Permitted	Permitted	Permitted
2.5.8.1	Dead-end Limit	No dead-end corridor shall exceed 15.0 m (sprinkler protected).	Required	Permitted	Permitted	Permitted
2.6	DISCHARGE FROM EXITS	Discharge from exits shall be in accordance with NFPA 101 7.7.	Required	Required	Required	Required
2.6.1	EXIT TERMINATION	Exits shall terminate directly, at a public way or at an exterior exit discharge, in accordance with with NFPA 101 section 7.7.	Required	Required	Required	Required
2.6.2	EXIT DISCHARGE THROUGH INTERIOR BUILDING AREAS	Exits shall be permitted to discharge through interior building areas, as permitted in NFPA 101 section 7.7.2.	Permitted	Permitted	Permitted	Permitted
2.7	ILLUMINATION OF MEANS OF EGRESS	Means of egress shall be illuminated in accordance with NFPA 101 section 7.8.	Required	Required	Required	Required



ltem	Fire Safety Provisions	Minimum Requirements	Kindergar- ten	Primary	Preparatory	Secondary
2.8	EMERGENCY LIGHTING	Emergency lighting shall be provided in accordance with NFPA 101 section 7.9. and in additional locations specified in 2.8.1.	Required	Required	Required	Required
2.8.1	ADDITIONAL LOCATIONS	Emergency lighting shall be provided in every classroom, shops, laboratories, assembly use spaces (such as lecture halls, auditoriums, and dining rooms), all areas accessible to students, and interior and windowless portions of educational occupancies.	Required	Required	Required	Required
2.9	MARKINGS OF MEANS OF EGRESS	Means of egress shall have signs in accordance with NFPA 101 section 7.10.	Required	Required	Required	Required
2.10	SPECIAL MEANS OF EGRESS FEATURES					
2.10.1	WINDOWS FOR RESCUE	All windows shall be of a type that can be readily opened from inside and that they are large enough and low enough for use by students, teachers, and fire fighters.	NR	NR	NR	NR
2.11	HAZARDOUS MATERIALS	Where hazardous materials are stored, used, or handled, the provisions of 2.10.1 and 2.10.2 shall apply.	Required	Required	Required	Required
2.11.1	Hazardous materials classified as high-hazard contents	Hazardous materials that are stored, used, or handled, and that are also classified as high-hazard contents shall comply with the Special Provisions for Occupancies with High Hazard Contents in NFPA 101 section 7.12.2.	Required	Required	Required	Required
2.11.2	Hazardous Materials	Hazardous materials shall comply with both clause 2.10.2.1 and 2.10.2.2	Required	Required	Required	Required
2.11.2.1		The means of egress requirements of this Fire and Life Safety Requirements for Educational Occupancies.	Required	Required	Required	Required



ltem	Fire Safety Provisions	Minimum Requirements	Kindergar- ten	Primary	Preparatory	Secondary
2.11.2.2		Applicable means of egress requirements of NFPA 30, NFPA 45, NFPA 55, NFPA 58, NFPA 400, and NFPA 495 that are stricter than NFPA 101 Chapter 7 and this occupancy chapter.	Required	Required	Required	Required
2.11	(Reserved).					
3.0	PROTECTION.	Protection shall comply with the applicable codes and standards, QCD FLS Annex and modified in item 3.0 of this FLS Occupancy	as			
3.1	PROTECTION OF VERTICAL OPENINGS	Vertical openings shall be enclosed or protected in accordance with NFPA 101 section 8.6.	-	-	Required	Required
3.1.1	TWO-STORY OPENINGS WITH PARTIAL ENCLOSURE	A vertical opening serving as other than an exit enclosure, connecting only two adjacent stories and piercing only one floor, shall be permitted to be open to one of the two stories.	-	-	Permitted	Permitted
3.1.2	CONVENIENCE OPENINGS	Convenience openings in accordance with NFPA 101 section 8.6.9.	-	-	Permitted	Permitted
3.1.2.1	Convenience Stairway	Unenclosed vertical openings created by convenience stairways complying with the conditions in NFPA 101 section 8.6.9.2.	-	-	Permitted	Permitted
3.1.3	COMMUNICATING SPACES	Where an open and unobstructed communicating space connecting three floors or less is used, the requirements in 3.5.1.2 shall be met.	-	-	Permitted	Permitted
3.2	PROTECTION FROM HAZARDS					
3.2.1	GENERAL	Rooms or spaces for the storage, processing, or use of materials shall be protected in accordance with the following:	Required	Required	Required	Required





ltem	Fire Safety Provisions	Minimum Requirements	Kindergar- ten	Primary	Preparatory	Secondary
3.2.1.1	Boiler rooms	Fire barriers having a minimum 1-hour FR rating or AFSS.	Required	Required	Required	Required
3.2.1.2	Rooms or spaces used for storage of combustible supplies	A minimum 1-hour fire resistance rating or an approved automatic fire suppression system (AFSS).	Required	Required	Required	Required
3.2.1.3	Janitor closets	A min. 1-hour fire resistance rating or AFSS.	Required	Required	Required	Required
3.2.1.4	Rooms or spaces used for the storage of hazardous materials/flammable/combustible liquids	A minimum 1-hour fire resistance rating and AFSS or 2-hrs enclosures in non-sprinklered buildings.	Required	Required	Required	Required
3.2.1.5	Maintenance shops, including woodworking and painting areas	A minimum 1-hour fire resistance rating and AFSS or 2-hrs enclosures in non-sprinklered buildings.	Required	Required	Required	Required
3.2.1.6	Rooms or spaces used for processing or use of combustible supplies (hazardous)	A minimum 1-hour fire resistance rating and AFSS or 2-hrs enclosures in non-sprinklered buildings.	Required	Required	Required	Required
3.2.1.7	Rooms or spaces used for processing or use of hazardous materials/flammable or combustible liquids	A minimum 1-hour fire resistance rating and AFSS or 2-hrs enclosures in non-sprinklered buildings.	Required	Required	Required	Required
3.2.2	COOKING FACILITIES	Commercial cooking operations shall be protected as per NFPA 96, unless the cooking equipment used is for food warming only.	Required	Required	Required	Required
3.2.2.1	Opening between Kitchen and Other Areas	Openings shall not be required to be protected between food preparation areas and dining areas.	Not Required	Not Required	Not Required	Not Required



Item	Fire Safety Provisions	Minimum Requirements	Kindergar- ten	Primary	Preparatory	Secondary
3.2.3	STAGES AND PLATFORM	Materials, Design, Cionstruction, Fire Protection and Smoke Control, shall be in accordance with the requirements for Stages and Platform in Assembly Occupancies.	Required	Required	Required	Required
3.2.4	LABORATORIES	Educational occupancy laboratories using chemicals shall comply with NFPA 45 Standard on Fire Protection for Laboratories Using Chemicals.	Required	Required	Required	Required
3.2.4.1		A list of all laboratory equipment and safety data sheets of materials, including all type of supplies, chemicals and liquids used shall be provided.	Required	Required	Required	Required
3.2.5	HAZARDOUS MATERIALS	Educational occupancies with storage, use, handling of hazardous materials and in areas where hazardous materials are present in excess of the maximum allowable quantities shall comply with the following codes: NFPA 30, NFPA 54, NFPA 55, NFPA 58, NFPA 400, and NFPA 495.	Required	Required	Required	Required
3.2.5.1		No storage, use, or handling of hazardous materials shall be permitted in any location where such storage, use, or handling would jeopardize egress from the structure, unless otherwise permitted by a document listed in 3.2.5.	Required	Required	Required	Required
3.2.6	MSDS-Material Safety Data Sheets	Provide MSDS and chemical information documents for the hazardous storage chemical warehouse and facility that shall be properly placed/situated at the warehouse and chemical store entrance.	Required	Required	Required	Required



Item	Fire Safety Provisions	Minimum Requirements	Kindergar- ten	Primary	Preparatory	Secondary
3.2.6.2	Warehouse and Chemical Stores - Laboratory Scale Chemical Reagents.	Implement strict chemical compatibility storage arrangement as per approved Chemical Compatibility Matrix for Laboratories. See Matrix in Table 3.2.6.2.	Required	Required	Required	Required
3.2.6.3		Storage of Class 5.1, 5.2 chemicals and Class 4.3 chemicals shall be separated or placed in approved hazardous material storage cabinets. See 3.2.6.3(1)	Required	Required	Required	Required
		Class 4.3 - Water Reactive Materials				
3.2.6.3(1)	Chemicals Class	Class 5.1 - Oxidizers Materials				
		Class 5.2- Organic Peroxides Materials				
3.2.6.4		Individual containers less than 5gal (19L) or less than 25lb (11kg) shall be stored or displayed on pallets, racks, or shelves. Containers shall be listed or approved for the intended use.	Required	Required	Required	Required
3.2.7	(Reserved)					



Item		Fire Safety Pro	visions		Minim	um Requirer	ments		Kindergar- ten	Primary	Preparatory	Secondary
	CHEMICAL COMPATIBILITY MATRIX FOR LABORATORIES											
		CATEGORY	1 ILEMMANIES	2a ACIDS, INORGANIC	26 ACIDS, ORGANIC	3 ALKALIS (BASES)	4 OXIDIZERS	ORGANIC PEROXIDES	FOISONS, INORGANIC	6b POISONS, ORGANIC	AIR / WATER REACTIVES	
	1	PLANMASTE LIQUIDE	×	×	*	×	×	×	×	4	×	
	2a	ACIDS, INORGANIC	×	~	×	×	1	×	×	×	×	
	2b	ACIDS, ORGANIC	4	×	~	×	×	×	×	×	×	
	3	ALKALIS (BASES)	×	×	×	2	1	×	×	×	×	
	4	DXIDIZERS	×	~	×	V .	1	×	1	×	×	
Table	5	ORGANIC PEROXIDES	×	×	×	×	×	V	×	×	×	
3.2.6.2	6a	POISONS, INORGANIC	×	×	×	4	4	×	4	×	×	
	6b	POISONS, ORGANIC	~	×	×	×	x	×	×	~	×	
	7	AIR / WATER HEACTIVES	×	×	×	×	×	×	×	×	V.	
		NOTES AND GUIDANCE:	A. KEY:					C. INSTRUCTIONS	FOR STORAGE AND HA	NOLING:		
				(Consult Material Set	MAYBE Compatible lety Data Sheets-MSDS / Si NOT Compatible	afety Data Sheets-SCS)				way from any building open		
			B. QUANTITY UMI	-	Nore TOGETHER in the san	ne caroinet)		All chemical Bottle cabinet.	and containers shall be se	intaining chemicals shall be 5 aled and airtight and placed hall be properly labeled add	d inside the designated	
			1	ory work areas / per room SH	ALL not exceed 508ters (1)	3.2gallons) for flammable		group/severity Drip pans/trays shi	il be used for liquid chemic	alt.	6 (C 40 (C) (30 (C)	
			Injurio.					Drip pans/trays ma	terial shall not react with ti	he contained chemical.		
									laboratory work areas / pe on material and shall be mi	r room shall be at least 30n anifuctured as per 85 476.	minutes (0.5-hr) fire	
3.3	INTER	RIOR FINISH			finish shall k tion 10.2.	oe in accord	ance with	NFPA F	Required	Required	Required	Required



ltem	Fire Safety Provisions	Minimum Requirements	Kindergar- ten	Primary	Preparatory	Secondary
3.3.1	INTERIOR WALL AND CEILING FINISH	Interior wall & ceiling finish material shall be permitted as follows:	Required	Required	Required	Required
3.3.1 (1)		Exits — Class A	Required	Required	Required	Required
3.3.1 (2)		Other than exits — Class A or Class B	Required	Required	Required	Required
3.3.1 (3)		Low-height partitions not exceeding 1525 mm and used in locations other than exits — Class A, Class B, or Class C	Required	Required	Required	Required
3.3.1.1	Interior Wall Finish	The interior wall finish requirements shall include washroom water closet partitions.	Required	Required	Required	Required
3.3.2	INTERIOR FLOOR FINISH	Interior floor finish in exit enclosures and exit access corridors and spaces not separated from them by walls having a 1-hour fire resistance rating shall be not less than Class II.	Required	Required	Required	Required
3.3.2.1	Carpet Interior Floor Finishes	Carpet and carpet-like interior floor finishes shall comply with ASTM D2859, Standard Test Method for Ignition Characteristics of Finished Textile Floor Covering Materials.	Required	Required	Required	Required
3.3.2.2	Floor Coverings	Floor coverings, other than carpet, shall have a minimum critical radiant flux of 0.1 W/cm2.	Required	Required	Required	Required
3.4	DETECTION, ALARM AND COMMUNICATIONS REQUIREMENTS					
3.4.1	GENERAL	Complete coverage of Fire Detection and Alarm System.	Required	Required	Required	Required
3.4.2	INITIATION	Complete coverage of an Automatic Detection and Manual Initiating Devices.	Required	Required	Required	Required



ltem	Fire Safety Provisions	Minimum Requirements	Kindergar- ten	Primary	Preparatory	Secondary
3.4.3	OCCUPANT NOTIFICATION	Complete Coverage of an Occupant Notification (audible & visible).	Required	Required	Required	Required
3.4.3.1	Emergency Voice Evacuation System	Mass Notification System	NR	NR	NR	Required
3.4.4	SUPPLEMENTARY					
3.4.4.1	Fire Telephone	In every required provisions of a fire command center (FCC) or emergency control center (ECC).	Required	Required	Required	Required
3.4.4.2	Graphic Annunciator (PC Panel) / Mimic Panel	In every required provisions of a fire command center (FCC) or emergency control center (ECC).	Required	Required	Required	Required
3.5	EXTINGUISHMENT SYSTEM REQUIREMENTS					
3.5.1	AUTOMATIC FIRE SPRINKLER (AFS) SYSTEM	Educational occupancy buildings shall be protected throughout by an automatic fire sprinkler system.	Required	Required	Required	Required
3.5.1.1	Basements or Floors Below Level of Exit Discharge	Every portion of educational buildings below the level of exit discharge shall be protected throughout by an automatic fire sprinkler system.	Required	Required	Required	Required
3.5.2	OTHER AUTOMATIC SUPPRESSION SYSTEM	Where an automatic sprinkler system is required in Section 3.5.1 and 3.5.1.1 and 3.5.1.2, the appropriate type of automatic suppression system shall be permitted.	Permitted	Permitted	Permitted	Permitted



ltem	Fire Safety Provisions	Minimum Requirements	Kindergar- ten	Primary	Preparatory	Secondary
3.5.1.2	Vertical Openings	Where unenclosed vertical openings created by convenience stairways (3.1.2.1) and the communicating space exemption (3.1.3) is used, educational occupancy buildings shall be protected throughout by an automatic fire sprinkler system.	-	-	Required	Required
3.5.3	Fire Hose Reel	Fire hose reels are required in buildings protected by an approved supervised automatic Required Resprinkler system.		Required	Required	Required
3.5.4	Portable Fire Extinguisher	Applicable Portable Fire Extinguishers required in all buildings.	Required	Required	Required	Required
3.5.5	Rising Main (Dry or Wet Standpipe)	Refer to Annex Fire Fighting System Annex_FFS_ G1 Revisions 2021	Required	Required	Required	Required
3.6	SMOKE CONTROL / VENTILATION REQUIREMENTS	Design conditions per Annex ACMV_N1 Revisions 2021.				
3.6.1	STAIRWELL/LOBBY	Design conditions per Annex ACMV_N1 Revisions	2021.	<15m	≥15m - <28m	≥28m
3.6.1.1	Less than 9 m habitable height			No Reqmt	No Reqmt	No Reqmt
		Vent at top of stairwell		Required	NA	NA
3.6.1.2	9 m to 15 m habitable height	Stair ventilation openings at every floor level (for sexternal walls)	stairs along	Permitted	NA	NA
		Stairwell Pressurization	NR	NA	NA	



Item	Fire Safety Provisions	Minimum Requirements	Kindergar- ten	Primary	Preparatory	Secondary
		Vent at top of stairwell		NA	NP	NA
3.6.1.3	>15 m to < 28 m habitable height	Stair ventilation openings at every floor level (for statesternal walls)	irs along	NA	Required	NA
		Stairwell Pressurization		NA	Permitted	NA
	STAIRWELL/LOBBY	Design conditions per Annex ACMV_N1 Revisions 20	021.	<15m	≥15m - <28m	≥28m
		Vent at top of stairwell		NA	NA	NP
3.6.1.4	≥28 m habitable height	Stair ventilation openings at every floor level (for statesternal walls)	irs along	NA	NA	NP
		Stairwell pressurization, smoke stop/fire fighting lobb pressurization	by	NA	NA	Required
	Connecting Basement Levels					
2/15	Two basement levels or ≤6 m deep, ≤2000 m² floor area	Vent at top of stairwell: * Permitted up to five (5) co above floors (2B+G+4 or less) or 12 m habitable hei whichever is less; otherwise next below provisions sh	ight ;	*Required	NP	NP
3.6.1.5		Stair ventilation openings at every floor level (for statesternal walls)	irs along	Permitted	Required	NP
		Stairwell pressurization, smoke stop/fire fighting lobb pressurization	by	Permitted	Permitted	Required
	Three basement levels or ≤ 9.1m deep, ≤2000 m² floor area	Vent at top of stairwell: * Permitted up to three (3) of above floors only (3B+G+2 or less) or 6m habitable height, whichever otherwise next below provisions shall apply		*Required	NP	NP
3.6.1.6		Stair ventilation openings at every floor level (for state external walls)	irs along	NA	NA	NA
		Stairwell pressurization, smoke stop/fire fighting lobb pressurization	by	Permitted	Permitted	Permitted



Item	Fire Safety Provisions	Minimum Requirements	Kindergar- ten	Primary	Preparatory	Secondary
		Vent at top of stairwell: * Permitted up to four (4) floors (2B+G+3 or less) or 9 m habitable height; less; otherwise next below provisions shall apply.	*Required	NP	NP	
3.6.1.7	Two basement levels or ≤6 m deep, >2000 m² floor area	Stair ventilation openings at every floor level (for sexternal walls)	stairs along	Required	NP	NP
		Stairwell pressurization, smoke stop/fire fighting lopressurization	obby	Permitted	Required	Required
	Three basement levels or ≤ 9.1m	Vent at top of stairwell: * Permitted up to two con above floors or 3 m habitable height only (3B+G+ whichever is less, otherwise next below provisions	1 or less);	*Required	NP	NP
3.6.1.8	deep, >2000 m² floor area, connecting one floor above only	Stair ventilation openings at every floor level (for stairs along external walls)		NA	NA	NA
		Stairwell pressurization, smoke stop/fire fighting lopressurization.	Permitted	Required	Required	
		Vent at top of stairwell			NP	NP
3.6.1.9	Lowest basement level >9.1 m below ground level, regarless of	Stair ventilation openings at every floor level (for stairs along external walls)			NP	NP
	floor area	Stairwell pressurization, smoke stop/fire fighting lapressurization	Required	Required	Required	
3.6.2	ESCAPE CORRIDOR	Design conditions per Annex ACMV_N1 Revisions 2021.				
		Vents (Fixed or Automatic Opening)				
3.6.2.1	Interior Corridors	Mechanical Ventilation of Corridor			of Occupanci	-
		Pressurization of Corridor		e Occupancies and in Detention		
	Corridor with side/s located along	Vents (Fixed or Automatic Opening)		. Comercial Companying		
3.6.2.2	exterior walls	Mechanical Ventilation of Corridor				
		Pressurization of Corridor				



Item	Fire Safety Provisions	Minimum Requirements	Kindergar- ten	Primary	Preparatory	Secondary
3.6.3	ATRIUM and OTHER FLOOR OPENINGS PROTECTION	Design conditions per Annex ACMV_N1 Revisions 2021.	Kindergarten	Primary	Preparatory	Secondary
	AA-II- (: O	Smoke Vents (Fixed or Automatic Opening)	NA	NA	NA	NA
3.6.3.1	Malls (with floor openings connecting >2 floors	Mechanical Smoke Exhaust Ventilation System/ Engineered	NA	NA	NA	NA
		Smoke Vents (Fixed or Automatic Opening)	NA	NA	NA	Permitted
3.6.3.2	Other Occupancies (connecting >3 floor levels)	Mechanical Smoke Exhaust Ventilation System/ Engineered		NA	NA	Permitted
3.6.4	CAR PARKS/PARKING STRUCTURES PROTECTION	Design conditions per Annex ACMV_N1 Revisions	<15m	≥15m - <28m	≥28m	
3.6.4.1	Open Parking Structures	The open parking structure shall justify that no smo stagnation will occur such as from a fire located so the middle of the car park; otherwise mechanical that will aid in effective dispersal of smoke shall be	Required	Required	Required	
3.6.4.2	Aboveground Enclosed Car Parks					
		Smoke Vents (Fixed or Automatic)	Required	Required	Permitted	
3.6.4.2.1	Aggregate floor area of ≤2000 m²	Mechanical Smoke Purging/Clearance	Permitted	Permitted	Required	
		Engineered Smoke Control System			Permitted	Permitted
		Smoke Vents (Fixed or Automatic)		Required	NP	NP
3.6.4.2.2	Aggregate floor area of >2000 m ²	Mechanical Smoke Purging/Clearance		Permitted	Required	NP
		Engineered Smoke Control System			Permitted	Required
3.6.4.3	Belowground Car Parks			≤6m Deep	>6m - ≤9.1 m Deep	>9.1 m Deep
0 / / 0 3		Smoke Vents (Fixed or Automatic)		Required	NP	NP
3.6.4.3.1	Aggregate floor area of ≤2000 m²	Mechanical Smoke Purging/Clearance		Permitted	Required	Required
		Engineered Smoke Control System	Permitted	Permitted	Permitted	



ltem	Fire Safety Provisions	Minimum Requirements	Kindergar- ten	Primary	Preparatory	Secondary
		Smoke Vents (Fixed or Automatic)		NP	NP	NP
3.6.4.3.2	Aggregate floor area of >2000 m ²	Mechanical Smoke Purging/Clearance		Required	NP	NP
		Engineered Smoke Control System	Permitted	Required	Required	
3.7	CORRIDORS		Kindergarten	Primary	Preparatory	Secondary
3.7.1	CORRIDOR WALLS	Corridors shall be separated from use areas by fire barriers having a minimum 1-hour fire resistance rating, unless one of the conditions in 3.7.1.2 and 3.7.1.3 exists:	Required	Required	Required	Required
3.7.1.1	Doors	Doors shall have not less than 30 minutes fire protection rating.	Required	Required	Required	Required
3.7.1.2	Exemption	Corridor protection shall not be required where all spaces normally subject to student occupancy have at least one door opening directly to the outside or to an exterior exit access balcony or corridor.	Permitted	Permitted	Permitted	Permitted
3.7.1.3	Fire Sprinkler Protected Buildings	The following shall apply to buildings protected throughout by an approved, supervised automatic sprinkler system:	Permitted	Permitted	Permitted	Permitted
3.7.1.3(1)	Smoke Partitions	Corridor walls shall not be required to be rated, provided that such walls form smoke partitions to limit the transfer of smoke.	Permitted	Permitted	Permitted	Permitted
3.7.1.3(1)	Doors	The provisions for doors to be self-closing or automatic-closing shall not apply to normally occupied classrooms.	Permitted	Permitted	Permitted	Permitted
3.7.1.4		Where the corridor ceiling is an assembly having a 1-hour fire resistance rating where tested as a wall, the corridor walls shall be permitted to terminate at the corridor ceiling.	Permitted	Permitted	Permitted	Permitted



Item	Fire Safety Provisions	Minimum Requirements	Kindergar- ten	Primary	Preparatory	Secondary
3.8	SUBDIVISION OF BUILDING SPACES					
3.8.1	GENERAL	Educational occupancies shall be subdivided into compartments by smoke partitions having not less than a 1-hour fire resistance rating and complying with the general requirements for smoke partitions, where one or both conditions in 3.8.1.1 and 3.8.1.2 exist:	Required	Required	Required	Required
3.8.1.1		The maximum floor area, including the aggregate area of all floors having a common atmosphere, exceeds 2800 m².	Required	Required	Required	Required
3.8.1.2		The length or width of the building exceeds 91 meters.	Required	Required	Required	Required
3.8.2	EXEMPTIONS	The requirement of 3.8.1 shall not apply to 3.8.2.1 and 3.8.2.2.	NA	NA	NA	NA
3.8.2.1	Rooms with exterior exit access	Where all spaces normally subject to student occupancy have not less than one door opening directly to the outside or to an exterior or exit access balcony or corridor.	Permitted	Permitted	Permitted	Permitted
3.8.2.2	Fire Sprinkler Protected Buildings	The educational buildings' protected throughout by an approved supervised automatic sprinkler system	Permitted	Permitted	Permitted	Permitted
3.8.3	SIZE LIMIT	The area of any smoke compartment required by 3.8.1 shall not exceed 2800 m², with no dimension exceeding 91 m.	Required	Required	Required	Required
3.9	(Reserved)					



ltem	Fire Safety Provisions	Minimum Requirements	Kindergar- ten	Primary	Preparatory	Secondary
4.0	SPECIAL PROVISIONS	Special Provisions for Firefighting and Rescue shall comply with QCD FLS Annex and as modified in item 4.0 of this FLS Occupancy Chapter.				
4.1	FIRE (EMERGENCY) COMMAND CENTER	QCD FLS Annex_A5 - Revisions_2021.	Required	Required	Required	Required
4.1.1		Instead of a dedicated fire command center, the fire and life safety system Systems control panels/stations may be located in lobbies, guard rooms, or other spaces adjacent to the main entrances.	Permitted	Permitted	Permitted	Permitted
4.2	EXTERNAL ACCESS TO SITE AND BUILDINGS	QCD FLS Annex_A3 - Revisions_2021	Required	Required	Required	Required
4.2.1	SITE ACCESS	For gated facility development a 4.0 m wide and 4.5 m clear height vertical clearance entry gate or site access shall be provided.	Required	Required	Required	Required
4.2.2	ACCESS ROAD	4 m-width firefighting appliance access or access road to every building shall be provided.	Required	Required	Required	Required
4.2.3	FIRE ENGINE HARDSTANDING	Fire engine hardstandings with longer side parallel to the façade of the building shall be provided in buildings exceeding the habitable height of 10 m.	Required	Required	Required	Required
4.3	(Reserved)					
5.0	BUILDING SERVICES and FIRE PROTECTION EQUIPMENT	Building Services and Fire Protection Equipment shall comply with the applicable NFPA codes and standards and QCD FLS Annex.				



ltem	Fire Safety Provisions	Minimum Requirements	Kindergar- ten	Primary	Preparatory	Secondary
51	ELECTRICAL SYSTEM	Electrical wiring and equipment in accordance with NFPA 70.	Required	Required	Required	Required
5.1.1	ELECTRICAL EQUIPMENT/PANEL ROOMS AND SIMILAR ROOMS/SPACES	QCD FLS Annex _A7 - Revisions_2021	Required	Required	Required	Required
5.1.2	EMERGENCY GENERATORS AND STANDBY POWER SYSTEMS.	Emergency generators and standby power systems shall be installed, tested, and maintained in accordance with NFPA 110.	Required	Required	Required	Required
5.2	FIRE PUMPS					,
5.2.1	FIRE PUMPS ROOM	QCD FLS Annex _A6 - Revisions_2021	Required	Required	Required	Required
5.3	SUBSTATION and SWITCHGEARS	QCD FLS Annex _A8 - Revisions_2021	Required	Required	Required	Required
5.1.3	STORED ELECTRIAL ENERGY SYSTEMS	Stored electrical energy systems shall be installed, tested, and maintained in accordance with NFPA 111.	Required	Required	Required	Required
5.4	(Reserved).					
6.0	OPERATING FEATURES	Operating Features shall be provided in accordance with NFPA 101 14.7 and as modified in item 6.0 of this FLS Occupancy Chapter.				
6.1	EMERGENCY ACTION PLAN	Emergency action plans shall be provided in accordance with 6.1.1				
6.1.1	PLAN REQUIREMENTS.	Items to be considered in preparing an emergency action plan shall include the following:	Required	Required	Required	Required
6.1.1.1		Purpose of plan.	Required	Required	Required	Required
6.1.1.2		Building description, including certificate of occupancy .	Required	Required	Required	Required



ltem	Fire Safety Provisions	Minimum Requirements	Kindergar- ten	Primary	Preparatory	Secondary
6.1.1.3		Appointment, organization, and contact details of designated building staff to carry out the emergency duties.	Required	Required	Required	Required
6.1.1.4		Identification of events (man-made and natural) considered life safety hazards impacting the building.	Required	Required	Required	Required
6.1.1.5		Responsibilities matrix (role-driven assignments).	Required	Required	Required	Required
6.1.1.6		Policies and procedures for those left behind to operate critical equipment.	Required	Required	Required	Required
6.1.1.7		Specific procedures to be used for each type of emergency.	Required	Required	Required	Required
6.1.1.8		Requirements and responsibilities for assisting people with disabilities.	Required	Required	Required	Required
6.1.1.9		Procedures for accounting for employees.	Required	Required	Required	Required
6.1.1.10		Training of building staff, building emergency response teams, and other occupants in their responsibilities.	Required	Required	Required	Required
6.1.2		Required emergency action plans shall be submitted to the authority having jurisdiction for review.	Required	Required	Required	Required
6.1.3		Emergency action plans shall be reviewed and updated as required by the authority having jurisdiction	Required	Required	Required	Required



ltem	Fire Safety Provisions	Minimum Requirements	Kindergar- ten	Primary	Preparatory	Secondary
6.2	EMERGENCY EGRESS and RELOCATION DRILLS.	Emergency egress and relocation drills shall be conducted in accordance with 6.2.1	Required	Required	Required	Required
6.2.1	DRILL FREQUENCY	Emergency egress and relocation drills shall be conducted as follows:	Required	Required	Required	Required
6.2.1.1		Not less than one emergency egress and relocation drill shall be conducted every month the facility is in session, unless both of the following criteria are met:	Required	Required	Required	Required
6.2.1.1(1)		Where the weather is severe, the monthly emergency egress and relocation drills shall be permitted to be deferred.	Required	Required	Permitted	Required
6.2.1.1(2)		The required number of emergency egress and relocation drills shall be conducted, and not less than four shall be conducted before the drills are deferred.	Required	Required	Required	Required
6.2.1.2		All occupants of the building shall participate in the drill.	Required	Required	Required	Required
6.2.1.3		One additional emergency egress and relocation drill, other than for day-care occupancies that are open on a year-round basis, shall be required within the first 30 days of operation.	Required	Required	Required	Required
6.2.2	APPROVED TRAINING PROGRAMS	Approved training programs designed for education, training and for the practice of emergency egress to familiarize occupants with the drill procedure, and to establish conduct of the emergency egress as a matter of routine complying with 6.2.2.1.	Permitted	Permitted	Permitted	Permitted



ltem	Fire Safety Provisions	Minimum Requirements	Kindergar- ten	Primary	Preparatory	Secondary
6.2.2.1		Approved training programs shall be permitted to receive credit on a one-for-one basis for not more than four of the emergency egress drills required by 6.2.1, provided that a minimum of four emergency egress drills are completed prior to the conduct of the first such training and practice program.	Required	Required	Required	Required
6.2.3	ORDERLY EVACUATION.	When conducting drills, emphasis shall be placed on orderly evacuation rather than on speed.	Required	Required	Required	Required
6.2.4	SIMULATED CONDITIONS.	Drills shall be held at expected and unexpected times and under varying conditions to simulate the unusual conditions that can occur in an actual emergency.	Required	Required	Required	Required
6.2.5	RELOCATION AREA	Drill participants shall relocate to a predetermined location and remain at such location until a recall or dismissal signal is given.	Required	Required	Required	Required
6.2.6	WRITTEN RECORD OF EACH DRILL	A written record shall be completed by the person responsible for conducting the drill and maintained in an approved manner.	Required	Required	Required	Required
6.2.6.1		The written record should include such details as the date, time, participants, location, and results of that drill.	Required	Required	Required	Required
6.2.7		All emergency drill alarms shall be sounded on the fire alarm system.	Required	Required	Required	Required
6.3	INSPECTIONS.					



Item	Fire Safety Provisions	Minimum Requirements	Kindergar- ten	Primary	Preparatory	Secondary
6.3.1		It shall be the duty of principals, teachers, or staff to inspect all exit facilities daily to ensure that all stairways, doors, and other exits are in proper condition.	Required	Required	Required	Required
6.3.2		Open plan buildings shall require extra surveillance to ensure that exit paths are maintained clear of obstruction and are obvious.	Required	Required	Required	Required
6.3.4	INSPECTION OF DOOR OPENINGS.	Door openings shall be inspected in accordance with 6.4.1.	Required	Required	Required	Required
6.3.4.1		The following door assemblies shall be inspected and tested not less than annually:	Required	Required	Required	Required
6.3.4.1(1)		Door leaves equipped with panic hardware or fire exit hardware.	Required	Required	Required	Required
6.3.4.1(2)		Door assemblies in exit enclosures.	Required	Required	Required	Required
6.3.4.1(3)		Door hardware-release of electrically locked egress door assemblies.	Required	Required	Required	Required
6.3.4.1(4)		Door assemblies with special locking arrangements.	Required	Required	Required	Required
6.3.4.2		Door assemblies shall be visually inspected from both sides of the opening to assess the overall condition of the assembly.	Required	Required	Required	Required
6.3.4	WRITTEN RECORD OF INSPECTION.	A written record of the inspections and testing shall be signed and kept for inspection by QCD-Qatar Civil Defence.	Required	Required	Required	Required
6.4	FURNISHING AND DECORATIONS					



6.4.1	DRAPERIES, CURTAINS, and Other Similar Furnishings and Decorations	Draperies, curtains, and other similar loosely hanging furnishings and decorations shall meet the flame propagation performance criteria contained in Test Method 1 or Test Method 2, as appropriate, of NFPA 701.	Required	Required	Required	Required
6.4.2	CLOTHING and PERSONAL EFFECTS	Clothing and personal effects shall not be stored in corridors, unless otherwise permitted by one of the following:	Required	Required	Required	Required
6.4.2.1		The requirements in 6.4.2 shall not apply to corridors protected by an automatic sprinkler system.	Permitted	Permitted	Permitted	Permitted
6.4.2.2		The requirements in 6.4.2 shall not apply to corridor areas protected by a smoke detection system.	Permitted	Permitted	Permitted	Permitted
6.4.2.3		The requirements in 6.4.2 shall not apply to storage in metal lockers, provided that the required egress width is maintained.	Permitted	Permitted	Permitted	Permitted
6.4.3	ARTWORK and TEACHING MATERIALS	Artwork and teaching materials shall be permitted to be attached directly to the walls in accordance with the following:	Required	Required	Required	Required
6.4.3.1		The artwork and teaching materials shall not exceed 50 percent of the wall area.	Required	Required	Required	Required
6.4.3.2		Placing of artwork and teaching materials near a room's exit access doors shall be avoided.	Required	Required	Required	Required
6.5	OPEN FLAMES	Approved open flames shall be permitted in laboratories and vocational/technical areas.	Required	Required	Required	Required
6.6	(Reserved).					