



FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR

BUILDING PLAN

FIRE AND LIFE SAFETY GUIDELINES

Revisions_2015 – Volume I

I	APARTMENT BUILDINGS	
II	HOTEL BUILDINGS	
III	RESIDENTIAL DWELLINGS AND VILLAS	
IV	DORMITORY AND ACCOMMODATION	
V	BUSINESS OCCUPANCIES	
VI	MERCANTILE OCCUPANCIES	
VII	EDUCATIONAL OCCUPANCIES	
VIII	HEALTH CARE OCCUPANCIES	
IX	STORAGE OCCUPANCIES	
X	INDUSTRIAL OCCUPANCIES	
XI	BUILDING REHABILITATIONS	
XII	TEMPORARY BUILDINGS	



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

APARTMENT BUILDINGS

I	APPLICATIONS		RESIDENTIAL OCCUPANCY CONTAINING THREE OR MORE DWELLING UNITS WITH INDEPENDENT BATHROOM AND COOKING FACILITIES		
	OCCUPANCY CLASSIFICATION**		BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS	
A	LOW-RISE APARTMENT BUILDINGS		< 15M	< 500M ²	
B	MEDIUM-RISE APARTMENT BUILDINGS	TYPE A - MEDIUM-RISE APARTMENT BUILDINGS	≥ 15M TO < 18M	≥ 500M ² - < 1000M ²	
		TYPE B - MEDIUM-RISE APARTMENT BUILDINGS	≥ 18M TO < 28M	≥ 1000M ²	
C	HIGH-RISE APARTMENT BUILDINGS		≥ 28M	UL - UNLIMITED AREA	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW-RISE APARTMENT	MEDIUM-RISE APARTMENT TYPE A TYPE B	HIGH RISE APARTMENT
III	BUILDING AND SITE ACCESS FOR FIRE FIGHTING & RESCUE				
A	SITE ACCESS	4.0M MINIMUM CLEAR WIDTH	REQUIRED	REQUIRED	REQUIRED
		4.5M MINIMUM CLEAR HEIGHT			
B	ACCESS ROAD	4.0M MIN. WIDTH AND 24 TON LOAD CAPACITY	REQUIRED	NOT REQUIRED	NOT REQUIRED
		WITHIN A TRAVEL DISTANCE OF 60M FROM EVERY POINT ON PROJECTED PLAN AREA OF ANY BLDG.			
C	FIRE ENGINE HARDSTANDING	LENGTH OR NUMBER BASE ON THE GROSS FLOOR AREA OF THE BUILDING	NOT REQUIRED	REQUIRED WHEN BUILDING HABITABLE HEIGHT EXCEEDS 10M	REQUIRED
		6M X 15M (MINIMUM), WITH LONGER SIDE PARALLEL TO THE FAÇADE OF THE BUILDING			
		POSITIONED SO THAT THE NEARER EDGE SHALL NOT BE LESS THAN 2M OR NOT MORE THAN 10M FROM THE CENTRE POSITION OF THE ACCESS OPENING, MEASURED HORIZONTALLY.			
D	FIRE COMMAND CENTER	HIGH-RISE BUILDING AND OTHER THAN HIGH-RISE WITH EMERGENCY VOICE COMMUNICATION SYSTEM AND/OR SMOKE CONTROL SYSTEM	NOT REQUIRED	NOT REQUIRED	REQUIRED
		9M ² MINIMUM AREA (LEAST DIMENSION 2.5M)			
		AT LEAST WITH 1M CLEARANCE FROM ALL EQUIPMENT			
		2-HOURS ENCLOSURES			
		PROVIDED WITH PROMINENTLY MARKED EXTERIOR ENTRANCES			
INSTEAD OF A DEDICATED FIRE RATED ROOM: LOBBIES OR OTHER SPACES ADJACENT TO THE MAIN ENTRANCE OF THE BUILDING					



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		RESIDENTIAL OCCUPANCY CONTAINING THREE OR MORE DWELLING UNITS WITH INDEPENDENT BATHROOM AND COOKING FACILITIES			
II	OCCUPANCY CLASSIFICATION**		BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS		
A	LOW-RISE APARTMENT BUILDINGS		< 15M	< 500M ²		
B	MEDIUM-RISE APARTMENT BUILDINGS		≥ 15M TO < 18M	≥ 500M ² - < 1000M ²		
			≥ 18M TO < 28M	≥ 1000M ²		
C	HIGH-RISE APARTMENT BUILDINGS		≥ 28M	UL - UNLIMITED AREA		
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW-RISE APARTMENT	MEDIUM-RISE APARTMENT		HIGH RISE APARTMENT
				TYPE A	TYPE B	
E	FIRE LIFT	BUILDINGS EQUAL OR MORE THAN 28.0M ABOVE ENGINE ACCESS LEVEL	NOT APPLICABLE	NOT APPLICABLE		REQUIRED
		BUILDINGS EXCEEDS 9.0M BELOW THE LEVEL OF EXIT DISCHARGE	REQUIRED	REQUIRED		REQUIRED
		SERVES ALL HABITABLE FLOORS	REQUIRED IN EVERY FIRE SERVICE ACCESS ELEVATOR/FIRE LIFT PROVISIONS	REQUIRED IN EVERY FIRE SERVICE ACCESS ELEVATOR/FIRE LIFT PROVISIONS		REQUIRED IN EVERY FIRE SERVICE ACCESS ELEVATOR/FIRE LIFT PROVISIONS
		CONTAINED WITHIN A DEDICATED PROTECTED SHAFT				
		APPROACHED BY FIRE FIGHTING LOBBY AT EACH STOREY				
		ADJACENT AND ACCESSIBLE TO AN EXIT STAIRCASE	REQUIRED	NOT REQUIRED		REQUIRED
		FIRE SERVICE ACCESS ELEVATORS/FIRE LIFT AS PER NFPA 5000 (2012 Ed.) CHAP. 54.12	NOT REQUIRED	NOT REQUIRED		REQUIRED
		AMBULANCE STRETCHER ACCOMMODATION ELEVATOR/LIFT AS PER NFPA 5000 (2012 Ed.) CHAP. 54.3	NOT REQUIRED	NOT REQUIRED	REQUIRED	TO SERVE AS THE OTHER REQUIRED FIRE SERVICE ACCESS ELEVATORS/FIRE LIFT
WHEN REQUIRED, AT LEAST ONE (1) FIRE LIFT FOR EVERY 900 SQM. FLOOR AREA	REQUIRED (R) IN EVERY FIRE SERVICE ACCESS ELEVATOR/FIRE LIFT PROVISIONS	REQUIRED (R) IN EVERY FIRE SERVICE ACCESS ELEVATOR/FIRE LIFT PROVISIONS		(R) IN EVERY FIRE SERVICE ACCESS ELEVATOR/FIRE LIFT PROVISIONS		
IV	MEANS OF EGRESS					
A	MEANS OF EGRESS GENERAL REQUIREMENTS					
1	SEPARATION OF MEANS OF EGRESS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED	
	EXIT ACCESS CORRIDORS	SERVING AN AREA HAVING AN OCCUPANT LOAD EXCEEDING 30	1-HR FRR*	1-HR FRR*	1-HR FRR*	
	EXITS	CONNECTS 3 OR FEWER STORIES	1-HR FRR*	1-HR FRR*	1-HR FRR*	
		CONNECTS 4 OR MORE STORIES	2-HRS FRR*	2-HRS FRR*	2-HRS FRR*	
	OPENING PROTECTIVE	FIRE DOOR ASSEMBLIES EQUIPPED WITH DOOR CLOSERS	REQUIRED	REQUIRED	REQUIRED	



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		RESIDENTIAL OCCUPANCY CONTAINING THREE OR MORE DWELLING UNITS WITH INDEPENDENT BATHROOM AND COOKING FACILITIES		
	OCCUPANCY CLASSIFICATION**		BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS	
A	LOW-RISE APARTMENT BUILDINGS		< 15M	< 500M ²	
B	MEDIUM-RISE APARTMENT BUILDINGS	TYPE A - MEDIUM-RISE APARTMENT BUILDINGS	≥ 15M TO < 18M	≥ 500M ² - < 1000M ²	
		TYPE B - MEDIUM-RISE APARTMENT BUILDINGS	≥ 18M TO < 28M	≥ 1000M ²	
C	HIGH-RISE APARTMENT BUILDINGS		≥ 28M	UL - UNLIMITED AREA	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW-RISE APARTMENT	MEDIUM-RISE APARTMENT TYPE A TYPE B	HIGH RISE APARTMENT
	CONSTRUCTION	LIMITED OR NON-COMBUSTIBLE MATERIALS	REQUIRED	REQUIRED	REQUIRED
	OPENINGS AND PENETRATIONS IN EXIT ENCLOSURE	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED
2	EXITS HEADROOM	NOT LESS THAN 2285MM	REQUIRED	REQUIRED	REQUIRED
	HEADROOM ON STAIRS	NOT LESS THAN 2285MM	REQUIRED	REQUIRED	REQUIRED
3	WALKING SURFACES IN THE MEANS OF EGRESS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
4	CHANGES IN LEVEL IN THE MEANS OF EGRESS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
5	GUARDS	PROVIDED AT THE OPEN SIDES OF MEANS OF EGRESS 760MM ABOVE THE FLOOR OR FINISHED GROUND LEVEL	REQUIRED	REQUIRED	REQUIRED
6	IMPEDIMENT TO EGRESS		NP-NOT PERMITTED	NP-NOT PERMITTED	NP-NOT PERMITTED
7	MEANS OF EGRESS RELIABILITY	CONTINUOUSLY MAINTAINED FREE OF ALL OBSTRUCTION OR IMPEDIMENTS	REQUIRED	REQUIRED	REQUIRED
	FURNISHING AND DECORATION	FURNITURES, MOVABLE OBJECTS, MIRRORS, ETC.	NP-NOT PERMITTED	NP-NOT PERMITTED	NP-NOT PERMITTED
B	MEANS OF EGRESS COMPONENTS				
1	FIRE DOORS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
	SIDE-HINGE OR PIVOTED-SWINGING TYPE	ANY DOOR ASSEMBLY IN A MEANS OF EGRESS	REQUIRED	REQUIRED	REQUIRED
		MINIMUM DOOR LEAF WIDTH	810MM (32IN.)	810MM	810MM (32IN.)
	HORIZONTAL SLIDING DOORS	COMPLYING WITH CHAPTER 7 NFPA 101	NP-ACROSS CORRIDORS	NP-ACROSS CORRIDORS	NP-ACROSS CORRIDORS
	VERTICAL ROLLING DOORS	COMPLYING WITH CHAPTER 7 NFPA 101	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
	REVOLVING DOORS/POWERED DOORS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED
	SELF-CLOSING DEVICES	DOORS REQUIRED TO BE NORMALLY KEPT CLOSED	REQUIRED	REQUIRED	REQUIRED
2	STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
	STANDARD STAIRS	FEWER THAN 50 PERSON (CLEAR WIDTH)	915MM	915MM	915MM
		< 2000 PERSON (CLEAR WIDTH)	1120MM	1120MM	1120MM
		≥ 2000 PERSON (CLEAR WIDTH)	1420MM	1420MM	1420MM



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		RESIDENTIAL OCCUPANCY CONTAINING THREE OR MORE DWELLING UNITS WITH INDEPENDENT BATHROOM AND COOKING FACILITIES			
	OCCUPANCY CLASSIFICATION**		BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS		
A	LOW-RISE APARTMENT BUILDINGS		< 15M	< 500M ²		
B	MEDIUM-RISE APARTMENT BUILDINGS		TYPE A - MEDIUM-RISE APARTMENT BUILDINGS	≥ 500M ² - < 1000M ²		
			TYPE B - MEDIUM-RISE APARTMENT BUILDINGS	≥ 1000M ²		
C	HIGH-RISE APARTMENT BUILDINGS		≥ 28M	UL - UNLIMITED AREA		
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW-RISE APARTMENT	MEDIUM-RISE APARTMENT TYPE A TYPE B	HIGH RISE APARTMENT	
	SPIRAL STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED ONLY WITHIN A SINGLE DWELLING UNIT	PERMITTED ONLY WITHIN A SINGLE DWELLING UNIT	PERMITTED ONLY WITHIN A SINGLE DWELLING UNIT	
	CURVE STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED	
	WINDERS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED	
	GUARDS AND HANDRAILS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED	
	ENCLOSURE AND PROTECTION OF STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101	NOT REQUIRED* COMPLYING WITH CONDITION 4 OF SINGLE EXIT	REQUIRED	REQUIRED	
	ENCLOSURES	ALL INSIDE STAIR SERVING AS AN EXIT COMPONENT	REQUIRED	REQUIRED	REQUIRED	
		DOORS FPR**	≤3 STOREYS / ≥3 STOREYS	1-HR FPR**/	1-HR FPR**/1.5-HR FPR**	1-HR FPR**/ 2-HRS FPR**
		ENCLOSURES FRR*	≤3 STOREYS / ≥3 STOREYS	1-HR FRR*	1-HR FRR* / 2-HRS FRR*	1-HR FRR* / 2-HRS FRR*
	ENCLOSURE EXEMPTION	PENETRATING ONE FLOOR LEVEL OR SERVING MEZZANINE ONLY	PERMITTED	PERMITTED	PERMITTED	
	EXPOSURES	WALLS AND OPENINGS WITHIN 3050MM HORIZONTALLY OF AN EXTERIOR STAIRWAY ENCLOSURE	1-HR FRR*	1-HR FRR*	1-HR FRR*	
	USEABLE SPACE	WITHIN EXIT ENCLOSURE	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED	
		LOCATION UNDER STAIRS IN ACCORDANCE WITH NFPA 101	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED	
	STAIRWAY IDENTIFICATION	SERVING 3 OR MORE STOREYS	REQUIRED	REQUIRED	REQUIRED	
	EXIT STAIR PATH MARKINGS	ALL STAIR COMPONENTS	REQUIRED	REQUIRED	REQUIRED	
	PERIMETER DEMARCATION MARKING	COMPLYING WITH NFPA 101	REQUIRED	REQUIRED	REQUIRED	
	LOCK, LATCHES & ALARM DEVICES	COMPLYING WITH NFPA 101	PERMITTED	PERMITTED	PERMITTED	
	RE-ENTRY PROVISIONS	LOCKED STAIRS EXCEEDING 4 STOREYS	NOT REQUIRED	REQUIRED	REQUIRED	



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		RESIDENTIAL OCCUPANCY CONTAINING THREE OR MORE DWELLING UNITS WITH INDEPENDENT BATHROOM AND COOKING FACILITIES		
	II OCCUPANCY CLASSIFICATION**		BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS	
A	LOW-RISE APARTMENT BUILDINGS		< 15M	< 500M ²	
B	MEDIUM-RISE APARTMENT BUILDINGS	TYPE A - MEDIUM-RISE APARTMENT BUILDINGS	≥ 15M TO < 18M	≥ 500M ² - < 1000M ²	
		TYPE B - MEDIUM-RISE APARTMENT BUILDINGS	≥ 18M TO < 28M	≥ 1000M ²	
C	HIGH-RISE APARTMENT BUILDINGS		≥ 28M	UL - UNLIMITED AREA	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW-RISE APARTMENT	MEDIUM-RISE APARTMENT TYPE A TYPE B	HIGH RISE APARTMENT
3	RAMPS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED
		AS SECONDARY EXIT FOR ONE (1) BASEMENT LEVEL	PERMITTED	PERMITTED	PERMITTED
4	ROOF ACCESS	BUILDING EQUAL OR MORE THAN 4 STOREYS (G+3) OR ROOFS 12M ABOVE GRADE PLANE	REQUIRED	REQUIRED	REQUIRED
		WHERE OPEN STAIR/S ARE PERMITTED	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
		ONE AT EACH 9300M ² ROOF AREA OR FLAT ROOFS OR ROOF PITCH <3 IN 12	REQUIRED	REQUIRED	REQUIRED
	ROOF ACCESS COMPONENTS	SMOKE VENTS (FIXED WALL OPENING/S) AT THE TOP OF THE STAIRWELL WITH A MINIMUM AREA OF 1.5M ² .	REQUIRED	NOT APPLICABLE (SINGLE EXIT)	NOT APPLICABLE
		STAIR ACCESS TO ROOF WITH OPERABLE DOORS	REQUIRED	REQUIRED	REQUIRED
5	SMOKE PROOF ENCLOSURES	FRR* (FIRE RESISTANCE RATING)			
	STAIR ENCLOSURES	ALL INSIDE STAIR SERVING AS AN EXIT COMPONENT	REQUIRED	REQUIRED	REQUIRED
		OPEN STAIR PENETRATING 1 FLOOR/LEVEL ONLY	PERMITTED	PERMITTED	NOT PERMITTED
	FIRE FIGHTING LOBBY (F/F LOBBY)	IN EVERY FIRE LIFT PROVISIONS	REQUIRED IN EVERY FIRE LIFT PROVISIONS	REQUIRED IN EVERY FIRE LIFT PROVISIONS	REQUIRED IN EVERY FIRE LIFT PROVISIONS
		ADJACENT AND ACCESSIBLE TO AN EXIT STAIRCASE			
		SERVES AS A COMMON LOBBY FOR BOTH FIRE LIFT AND THE ADJACENT EXIT STAIRCASE			
	6M ² MINIMUM WORKING SPACE / AREA (LEAST SIDE DIMENSION 2.0M)				
	PROVISIONS AT THE LEVEL OF EXIT DISCHARGE	NOT REQUIRED	NOT REQUIRED IF EXITS COMPLIES WITH EXIT DISCHARGE REQUIREMENTS	NOT REQUIRED IF EXITS COMPLIES WITH EXIT DISCHARGE REQUIREMENTS	
	F/F LOBBY DOORS & WALL ENCLOSURES	1.5-HR FPR** FIRE PROTECTION RATING/ FRR* 2-HRS FIRE RESISTANCE RATING	NOT APPLICABLE	NOT APPLICABLE	REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		RESIDENTIAL OCCUPANCY CONTAINING THREE OR MORE DWELLING UNITS WITH INDEPENDENT BATHROOM AND COOKING FACILITIES				
II	OCCUPANCY CLASSIFICATION**		BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS			
A	LOW-RISE APARTMENT BUILDINGS		< 15M	< 500M ²			
B	MEDIUM-RISE APARTMENT BUILDINGS		TYPE A - MEDIUM-RISE APARTMENT BUILDINGS ≥ 15M TO < 18M	≥ 500M ² - < 1000M ²			
			TYPE B - MEDIUM-RISE APARTMENT BUILDINGS ≥ 18M TO < 28M	≥ 1000M ²			
C	HIGH-RISE APARTMENT BUILDINGS		≥ 28M	UL - UNLIMITED AREA			
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW-RISE APARTMENT	MEDIUM-RISE APARTMENT TYPE A	TYPE B	HIGH RISE APARTMENT	
	SMOKE-STOP LOBBY (S/S LOBBY)	HIGH-RISE BUILDINGS WITH HABITABLE HEIGHT HIGHER THAN 28 METERS	NOT APPLICABLE	NOT APPLICABLE		REQUIRED	
		BASEMENT LEVEL/S EXCEED 9.0M METERS DEPTH	REQUIRED ON ALL FLOOR LEVELS	REQUIRED ON ALL FLOOR LEVELS		REQUIRED ON ALL FLOOR LEVELS	
		BUILDING TRAVERSES MORE THAN FIVE (5) FLOOR LEVELS INCLUDING BASEMENT/S AND BELONGS TO A PLACE OF PUBLIC RESORT (ASSEMBLY & HEALTHCARE OCCUPANCY) REGARDLESS OF THE HABITABLE HEIGHT.	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE		NOT APPLICABLE
		3M ² MINIMUM AREA (LEAST SIDE DIMENSION 1.8M)	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE		REQUIRED
		PROVISIONS AT THE LEVEL OF EXIT DISCHARGE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE		NOT REQUIRED IF EXITS COMPLIES WITH EXIT DISCHARGE REQUIREMENTS
	S/S LOBBY DOORS & WALL ENCLOSURES	1.5-HR FPR** FIRE PROTECTION RATING/ FRR* 2-HRS FIRE RESISTANCE RATING	REQUIRED IF BASEMENT LEVEL/S EXCEED 9.0M METERS DEPTH	REQUIRED IF BASEMENT LEVEL/S EXCEED 9.0M METERS DEPTH		REQUIRED	
6	HORIZONTAL EXITS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED		PERMITTED	
7	EXIT PASSAGEWAYS / CORRIDORS	ENCLOSURE AND SEPARATION FIRE RESISTANCE RATING COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED 1-HR FRR*	REQUIRED 1-HR FRR*		REQUIRED 1-HR FRR*	
		MINIMUM WIDTH NOT LESS THAN ¾ OF THE WIDTH OF THE EXIT STAIR	REQUIRED	REQUIRED		REQUIRED	
8	ESCALATORS & MOVING WALKS	AS PART OF THE REQUIRED MEANS OF EGRESS	NOT PERMITTED	NOT PERMITTED		NOT PERMITTED	
9	FIRE ESCAPE STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED		PERMITTED	
10	FIRE ESCAPE LADDERS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED		NOT PERMITTED	
11	SLIDE ESCAPES	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED		PERMITTED	
12	ALTERNATING TREAD DEVICES	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED		NOT PERMITTED	
13	AREAS OF REFUGE	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED		REQUIRED	



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		RESIDENTIAL OCCUPANCY CONTAINING THREE OR MORE DWELLING UNITS WITH INDEPENDENT BATHROOM AND COOKING FACILITIES				
	OCCUPANCY CLASSIFICATION**		BUILDING HEIGHT REQUIREMENTS		BUILDING AREA REQUIREMENTS		
A	LOW-RISE APARTMENT BUILDINGS		< 15M		< 500M ²		
B	MEDIUM-RISE APARTMENT BUILDINGS		≥ 15M TO < 18M		≥ 500M ² - < 1000M ²		
			TYPE A - MEDIUM-RISE APARTMENT BUILDINGS		≥ 18M TO < 28M		
C	HIGH-RISE APARTMENT BUILDINGS		≥ 18M TO < 28M		≥ 1000M ²		
			TYPE B - MEDIUM-RISE APARTMENT BUILDINGS		UL - UNLIMITED AREA		
		FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW-RISE APARTMENT	MEDIUM-RISE APARTMENT TYPE A	TYPE B	HIGH RISE APARTMENT
14	ELEVATORS	AS PART OF THE REQUIRED MEANS OF EGRESS		NOT PERMITTED	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
		AS SECOND MEANS OF EGRESS FROM A TOWER AND COMPLYING WITH ASME A17.1/CSA B44		NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
		ELEVATOR DOORS		OPENING INTO EXIT ENCLOSURES	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
C	CAPACITY OF MEANS OF EGRESS						
1	OCCUPANT LOAD	NFPA 101 TABLE 7.3.1.2 OCCUPANT LOAD FACTORS		18.6M ² /PERSON	18.6M ² /PERSON	18.6M ² /PERSON	18.6M ² /PERSON
2	EGRESS CAPACITY	NFPA 101 TABLE 7.3.3.1 CAPACITY FACTORS		REQUIRED	REQUIRED	REQUIRED	REQUIRED
D	NUMBER OF EXITS						
1	SINGLE EXIT	SERVING ALL FLOOR LEVELS		PERMITTED WITH ROOF ACCESS PROVISIONS	PERMITTED* COMPLYING WITH SINGLE EXIT CONDITIONS	PERMITTED* COMPLYING WITH SINGLE EXIT CONDITIONS	NOT PERMITTED
		IN MEZZANINES WITH EXIT TRAVEL WITHIN COMMON PATH LIMIT		PERMITTED	PERMITTED	PERMITTED	PERMITTED
		IN ANY SECTION WITH EXIT TRAVEL WITHIN COMMON PATH LIMIT		PERMITTED	PERMITTED	PERMITTED	PERMITTED
		DWELLING UNIT HAS AN EXIT DOOR OPENING DIRECTLY TO A STREET OR YARD AT FINISHED GROUND LEVEL		PERMITTED	PERMITTED	NOT APPLICABLE	NOT APPLICABLE
		DWELLING UNIT HAS DIRECT ACCESS TO OUTSIDE STAIR AND SERVES A MAX. OF 2 UNITS BOTH OF WHICH ARE LOCATED ON THE SAME FLOOR LEVEL		PERMITTED	PERMITTED	NOT APPLICABLE	NOT APPLICABLE
		DWELLING UNIT HAS DIRECT ACCESS TO AN INSIDE STAIR SERVING ONLY THAT UNIT AND SEPARATED FROM OTHER PARTS OF THE BUILDING WITH 1-HR FIRE BARRIERS		PERMITTED	PERMITTED	NOT APPLICABLE	NOT APPLICABLE



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		RESIDENTIAL OCCUPANCY CONTAINING THREE OR MORE DWELLING UNITS WITH INDEPENDENT BATHROOM AND COOKING FACILITIES			
II	OCCUPANCY CLASSIFICATION**		BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS		
A	LOW-RISE APARTMENT BUILDINGS		< 15M	< 500M ²		
B	MEDIUM-RISE APARTMENT BUILDINGS		≥ 15M TO < 18M	≥ 500M ² - < 1000M ²		
			TYPE A - MEDIUM-RISE APARTMENT BUILDINGS	≥ 18M TO < 28M		
C	HIGH-RISE APARTMENT BUILDINGS		≥ 28M	UL - UNLIMITED AREA		
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW-RISE APARTMENT	MEDIUM-RISE APARTMENT		HIGH RISE APARTMENT
				TYPE A	TYPE B	
*CONDITIONS SINGLE EXIT PROVISIONS (REQUIRES COMPLIANCE TO ALL STATED CONDITIONS)	1	LARGEST FLOOR AREA IS EQUAL OR LESS THAN 500M ²	REQUIRED	REQUIRED	REQUIRED	NOT APPLICABLE
	2	TRAVEL DISTANCE FROM THE ENTRANCE DOOR OF ANY DWELLING UNIT TO AN EXIT DOES NOT EXCEED 10.7M.	REQUIRED	REQUIRED	REQUIRED	NOT APPLICABLE
	3	EXIT STAIRWAY IS COMPLETELY ENCLOSED OR SEPARATED FROM THE REST OF THE BUILDING	REQUIRED	REQUIRED	REQUIRED	NOT APPLICABLE
	4	STAIRWAY SERVE ONE (1) BASEMENT LEVEL ONLY	REQUIRED	REQUIRED	REQUIRED	NOT APPLICABLE
	5	ALL OPENINGS BETWEEN THE EXIT ENCLOSURE AND THE BUILDING ARE PROTECTED WITH SELF-CLOSING DOOR ASSEMBLIES OF 1-HOUR FIRE PROTECTION RATING	REQUIRED	REQUIRED	REQUIRED	NOT APPLICABLE
	6	ALL CORRIDORS SERVING AS ACCESS TO EXITS HAVE A MINIMUM OF 1-HOUR FRR*	REQUIRED	REQUIRED	REQUIRED	NOT APPLICABLE
	7	HORIZONTAL AND VERTICAL SEPARATION OF 1.0-HR FRR* IS PROVIDED BETWEEN DWELLING UNITS	REQUIRED	REQUIRED	REQUIRED	NOT APPLICABLE
	8	PROVIDED WITH SMOKE VENTS (FIXED WALL OPENING/S) AT THE TOP OF THE STAIRWELL (MAXIMUM 300MM BELOW SLAB SOFFIT/CEILING) WITH A MINIMUM AREA OF 1.5M ² , OR	REQUIRED	REQUIRED (HABITABLE HEIGHT <18M)	NOT APPLICABLE	NOT APPLICABLE
	9	FOR BUILDING/S THAT TRAVERSES MORE THAN FIVE (5) STORIES INCLUDING BASEMENTS, THE EXIT STAIRCASE IS PRESSURIZED.	PERMITTED IN LIEU OF CONDITION (9)	REQUIRED (HABITABLE HEIGHT ≥18M)	REQUIRED	REQUIRED
2	NOT LESS THAN 2 SEPARATE EXITS	50 - 500 OCCUPANTS	REQUIRED	REQUIRED		REQUIRED
		ON EVERY STORY AND ACCESSIBLE FROM EVERY PART OF EVERY STORY	REQUIRED	REQUIRED		REQUIRED
3	NOT LESS THAN 3 SEPARATE EXITS	EQUAL OR MORE THAN 500 OCCUPANTS	REQUIRED	REQUIRED		REQUIRED
4	NOT LESS THAN 4 SEPARATE EXITS	EQUAL OR MORE THAN 1000 OCCUPANTS	REQUIRED	REQUIRED		REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		RESIDENTIAL OCCUPANCY CONTAINING THREE OR MORE DWELLING UNITS WITH INDEPENDENT BATHROOM AND COOKING FACILITIES						
II	OCCUPANCY CLASSIFICATION**		BUILDING HEIGHT REQUIREMENTS			BUILDING AREA REQUIREMENTS			
A	LOW-RISE APARTMENT BUILDINGS		< 15M			< 500M ²			
B	MEDIUM-RISE APARTMENT BUILDINGS		≥ 15M TO < 18M			≥ 500M ² - < 1000M ²			
			TYPE A - MEDIUM-RISE APARTMENT BUILDINGS			≥ 18M TO < 28M			
C	HIGH-RISE APARTMENT BUILDINGS		≥ 28M			UL - UNLIMITED AREA			
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW-RISE APARTMENT	MEDIUM-RISE APARTMENT		HIGH RISE APARTMENT			
				TYPE A	TYPE B				
E	ARRANGEMENT OF EXITS	(NS*-NOT SPRINKLERED / S**-SPRINKLERED)	NS*	S**	NS*	S**	NS*	S**	
1	TRAVEL DISTANCE	NFPA 101 TABLE A.7.6	WITHIN DWELLING UNIT TO CORRIDOR DOOR	23M	38M	23M	38M	23M	38M
			FROM A DWELLING UNIT ENTRANCE DOOR TO THE NEAREST EXIT	30M	61M	30M	61M	30M	61M
			FROM A DWELLING UNIT ENTRANCE DOOR TO THE NEAREST EXIT FOR EXTERIOR WAYS OF EXIT ACCESS	61M	61M	61M	61M	61M	61M
			AREAS OTHER THAN THOSE WITHIN LIVING UNITS TO AN EXIT	61M	76M	61M	76M	61M	76M
			TOTAL TRAVEL DISTANCE PERMITTED FROM THE REMOTEST PORTION OF THE APARTMENT TO THE NEAREST EXIT	53M	99M	53M	99M	53M	99M
2	COMMON PATH LIMIT	NFPA 101 TABLE A.7.6	NOTE: TRAVEL WITHIN A DWELLING UNIT IS NOT INCLUDED WHEN DETERMINING COMMON PATH TRAVEL	10.7M	15M	10.7M	15M	10.7M	15M
3	DEAD-END CORRIDOR	NFPA 101 TABLE A.7.6	10.7M	15M	10.7M	15M	10.7M	15M	
4	EXIT DISCHARGE								
	EXTERIOR DISCHARGE (DIRECT TO BUILDING EXTERNAL)	COMPLYING WITH NFPA 101	REQUIRED	REQUIRED	REQUIRED	REQUIRED	REQUIRED	REQUIRED	
	THROUGH AREAS ON LEVEL OF EXIT DISCHARGE (INTERNAL DISCHARGE)	MAXIMUM 10.7 METER TRAVEL DISTANCE TO BUILDING EXTERNAL	PERMITTED	PERMITTED	PERMITTED IF SPRINKLER PROTECTED	PERMITTED IF SPRINKLER PROTECTED	PERMITTED IF SPRINKLER PROTECTED		
		50% OF RQUIRED NUMBER OF EXITS & 50% OF REQUIRED EXIT CAPACITY (SPRINKLER PRTOECTED)	PERMITTED	PERMITTED	PERMITTED IF SPRINKLER PROTECTED	PERMITTED IF SPRINKLER PROTECTED	PERMITTED IF SPRINKLER PROTECTED		



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		RESIDENTIAL OCCUPANCY CONTAINING THREE OR MORE DWELLING UNITS WITH INDEPENDENT BATHROOM AND COOKING FACILITIES		
	OCCUPANCY CLASSIFICATION**		BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS	
A	LOW-RISE APARTMENT BUILDINGS		< 15M	< 500M ²	
B	MEDIUM-RISE APARTMENT BUILDINGS	TYPE A - MEDIUM-RISE APARTMENT BUILDINGS	≥ 15M TO < 18M	≥ 500M ² - < 1000M ²	
		TYPE B - MEDIUM-RISE APARTMENT BUILDINGS	≥ 18M TO < 28M	≥ 1000M ²	
C	HIGH-RISE APARTMENT BUILDINGS		≥ 28M	UL - UNLIMITED AREA	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW-RISE APARTMENT	MEDIUM-RISE APARTMENT TYPE A TYPE B	HIGH RISE APARTMENT
5	EXTERIOR WAYS OF EXIT	COMPLYING WITH NFPA 101	PERMITTED	PERMITTED	PERMITTED
6	ACCESSIBLE MEANS OF EGRESS	EXIT PROVISIONS FOR PEOPLE WITH SEVERE MOBILITY IMPAIRMENT (NOT LESS THAN 2 EXITS REQUIRED)	REQUIRED	REQUIRED	REQUIRED
7	ILLUMINATION OF MEANS OF EGRESS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
8	EMERGENCY LIGHTING	THE BUILDING IS THREE (3) OR MORE STORIES IN HEIGHT	REQUIRED	REQUIRED	REQUIRED
		THE OCCUPANCY IS SUBJECT TO 50 OR MORE OCCUPANTS ABOVE OR BELOW THE LEVEL OF EXIT DISCHARGE	REQUIRED	REQUIRED	REQUIRED
		THE OCCUPANCY IS SUBJECT TO 300 OR MORE TOTAL OCCUPANTS	REQUIRED	REQUIRED	REQUIRED
9	MARKINGS OF MEANS OF EGRESS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
F	SPECIAL MEANS OF EGRESS PROVISIONS				
1	FIREMEN ACCESS PANELS	HABITABLE HEIGHT EXCEEDING 10M	NOT REQUIRED	REQUIRED	REQUIRED
2	REFUGE FLOORS	HIGH-RISE BUILDING EXCEEDING 30 STORIES	NOT APPLICABLE	NOT APPLICABLE	REQUIRED IF BUILDING/S EXCEEDS 30 STORIES
3	ELEVATORS FOR OCCUPANT CONTROLLED EVACUATION PRIOR TO PHASE I EMERGENCY RECALL OPERATIONS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED
V	INTERIOR FINISH CONTENTS AND FURNISHING				
A	INTERIOR FINISH	COMPLYING WITH CHAPTER 10 OF NFPA 101	REQUIRED	REQUIRED	REQUIRED
1	INTERIOR WALL & CEILING FINISHES	EXIT ENCLOSURES	CLASS A	CLASS A	CLASS A
		LOBBIES & CORRIDORS	CLASS A OR CLASS B	CLASS A OR CLASS B	CLASS A OR CLASS B
		OTHER SPACES	CLASS A, CLASS B OR CLASS C	CLASS A, CLASS B OR CLASS C	CLASS A, CLASS B OR CLASS C
2	INTERIOR FLOOR FINISHES	EXIT ENCLOSURES, EXIT ACCESS CORRIDORS AND SPACES NOT SEPARATED FROM THEM	CLASS II	CLASS II	CLASS II



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		RESIDENTIAL OCCUPANCY CONTAINING THREE OR MORE DWELLING UNITS WITH INDEPENDENT BATHROOM AND COOKING FACILITIES		
	OCCUPANCY CLASSIFICATION**		BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS	
A	LOW-RISE APARTMENT BUILDINGS		< 15M	< 500M ²	
B	MEDIUM-RISE APARTMENT BUILDINGS		TYPE A - MEDIUM-RISE APARTMENT BUILDINGS	≥ 15M TO < 18M	
			TYPE B - MEDIUM-RISE APARTMENT BUILDINGS	≥ 18M TO < 28M	
C	HIGH-RISE APARTMENT BUILDINGS		≥ 28M	UL - UNLIMITED AREA	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW-RISE APARTMENT	MEDIUM-RISE APARTMENT TYPE A	HIGH RISE APARTMENT TYPE B
VI	FEATURES OF FIRE PROTECTION (NFPA 5000 TABLES 7.2.1.1, 7.3.2.1, 7.3.5 (a), (b), 7.3.5.5, 7.4.1)				
A	CONSTRUCTION		COMPLYING WITH CHAPTER 7 & 8 OF NFPA 5000	REQUIRED	REQUIRED
1	CONSTRUCTION (NON-COMBUSTIBLE OR LIMITED COMBUSTIBLE MATERIALS)	TYPE I OR TYPE II	EXTERIOR BEARING WALLS	HOURLY RATINGS REQUIRED PER TYPE OF CONSTRUCTION BASED ON NFPA 5000 HEIGHT & AREA REQUIREMENTS	HOURLY RATINGS REQUIRED PER TYPE OF CONSTRUCTION BASED ON NFPA 5000 HEIGHT & AREA REQUIREMENTS
			FRAMING, COLUMNS, BEAMS, GIRDERS, TRUSSES		
			FLOOR CONSTRUCTION		
B	SUBDIVISION OF BUILDING SPACES		COMPLYING WITH NFPA 101 & NFPA 5000	REQUIRED	REQUIRED
1	FIRE BARRIES		COMPLYING WITH NFPA 101 & NFPA 5000	REQUIRED	REQUIRED
2	SEPARATION FROM OTHER OCCUPANCIES		COMPLYING WITH NFPA 101 TABLE 6.1.14.4.1 (a), (b)	REQUIRED	REQUIRED
3	CORRIDORS RATED SEPARATION		COMPLYING WITH NFPA 101.30 & 31		
	REQUIRED SEPARATION		NOT SPRINKLERED	1-HR FRR*	1-HR FRR*
			SPRINKLERED	0.5-HR FRR*	0.5-HR FRR*
	DOORS		OPENING ONTO EXIT ACCESS CORRIDORS	20-MIN FPR**	20-MIN FPR**
4	SMOKE PARTITIONS		COMPLYING WITH NFPA 101 & NFPA 5000	NOT REQUIRED	NOT REQUIRED
5	SMOKE BARRIERS		COMPLYING WITH NFPA 101 & NFPA 5000	NOT REQUIRED	NOT REQUIRED
C	VERTICAL OPENINGS PROTECTION		PROTECTION COMPLYING WITH NFPA CODES	REQUIRED	REQUIRED
1	COMMUNICATING SPACES		COMPLYING WITH CHAPTER 8 NFPA 101	PERMITTED	PERMITTED
2	ATRIUMS		COMPLYING WITH CHAPTER 8 NFPA 101	PERMITTED	PERMITTED
3	CONVENIENCE OPENINGS		COMPLYING WITH CHAPTER 8 NFPA 101	PERMITTED	PERMITTED
4	SHAFTS		COMPLYING WITH CHAPTER 8 NFPA 101	PERMITTED	PERMITTED
5	MEZZANINES		COMPLYING WITH CHAPTER 8 NFPA 101	PERMITTED	PERMITTED
6	CONCEALED SPACES & DRAFSTOPS		COMPLYING WITH CHAPTER 8 NFPA 101	REQUIRED	REQUIRED
	EXTERIOR & INTERIOR WALL & PARTITION		FIRESTOPPED AT EACH FLOOR LEVEL, TOP STORY CEILING LEVEL & AT THE LEVEL OF SUPPORT FOR ROOFS	REQUIRED	REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		RESIDENTIAL OCCUPANCY CONTAINING THREE OR MORE DWELLING UNITS WITH INDEPENDENT BATHROOM AND COOKING FACILITIES			
	OCCUPANCY CLASSIFICATION**		BUILDING HEIGHT REQUIREMENTS		BUILDING AREA REQUIREMENTS	
A	LOW-RISE APARTMENT BUILDINGS		< 15M		< 500M ²	
B	MEDIUM-RISE APARTMENT BUILDINGS	TYPE A - MEDIUM-RISE APARTMENT BUILDINGS	≥ 15M TO < 18M		≥ 500M ² - < 1000M ²	
		TYPE B - MEDIUM-RISE APARTMENT BUILDINGS	≥ 18M TO < 28M		≥ 1000M ²	
C	HIGH-RISE APARTMENT BUILDINGS		≥ 28M		UL - UNLIMITED AREA	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW-RISE APARTMENT	MEDIUM-RISE APARTMENT		HIGH RISE APARTMENT
				TYPE A	TYPE B	
	UNOCCUPIED ATTIC SPACES	DRAFSTOP INTO AREAS NOT EXCEEDING 280M ²	REQUIRED	REQUIRED		REQUIRED
	CONCEALED SPACES (CEILINGS & FLOORS)	DRAFSTOP INTO AREAS NOT EXCEEDING 93M ²	REQUIRED	REQUIRED		REQUIRED
	CONCEALED SPACES (FLOORS & ROOFS)	DRAFSTOP INTO AREAS NOT EXCEEDING 280M ²	REQUIRED	REQUIRED		REQUIRED
VII	FIRE PROTECTION					
A	DETECTION ALARM AND COMMUNICATION SYSTEMS					
1	FIRE ALARM SYSTEM*	*INCLUDE REQUIREMENTS FOR CARBON MONOXIDE ALARMS & CARBON MONOXIDE DETECTION SYSTEM AS NFPA 101 2012 & NFPA 72	REQUIRED	REQUIRED		REQUIRED
B	EXTINGUISHING REQUIREMENTS		REQUIRED	REQUIRED		REQUIRED
1	PORTABLE FIRE EXTINGUISHERS	TYPE AND RATING IN ACCORDANCE WITH NFPA 10	REQUIRED	REQUIRED		REQUIRED
2	FIRE BLANKETS	IN KITCHEN OR PANTRY	REQUIRED	REQUIRED		REQUIRED
3	STANDPIPE SYSTEM	BUILDING EXCEEDING 9M IN HEIGHT	EXCEEDING 9M IN HEIGHT	REQUIRED		REQUIRED
4	FIRE HOSE REELS	25MM DIAMETER HOSE	NOT REQUIRED	REQUIRED		REQUIRED
5	AUTOMATIC SPRINKLER SYSTEM	THROUGHOUT PROTECTION	NOT REQUIRED	NOT REQUIRED		REQUIRED
		PROVIDED IN LIEU OF THE REQUIRED DRAFSTOPS IN CONCEALED SPACES	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED	PERMITTED
		ONE BASEMENT LEVEL USED AS CARPARK ONLY (WITH FLOOR AREA EXCEEDING 1115 SQ.M.)	REQUIRED	REQUIRED	REQUIRED	REQUIRED
		ONE BASEMENT LEVEL USED AS MIXED OCCUPANCY	REQUIRED	REQUIRED	REQUIRED	REQUIRED
6	OTHER EXTINGUISHING EQUIPMENT	COMPLIANCE FROM INDIVIDUAL CODES & STANDARDS	NOT REQUIRED	NOT REQUIRED		NOT REQUIRED
VIII	BUILDING SERVICES PROTECTION (ASS* AUTOMATIC SUPPRESSION SYSTEM)					
A	BUILDING UTILITIES		REQUIRED	REQUIRED		REQUIRED
1	GAS EQUIPMENT & RELATED PIPING	PROTECTION AS PER NFPA 54 & NFPA 58	REQUIRED	REQUIRED		REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		RESIDENTIAL OCCUPANCY CONTAINING THREE OR MORE DWELLING UNITS WITH INDEPENDENT BATHROOM AND COOKING FACILITIES			
	OCCUPANCY CLASSIFICATION**		BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS		
A	LOW-RISE APARTMENT BUILDINGS		< 15M	< 500M ²		
B	MEDIUM-RISE APARTMENT BUILDINGS		TYPE A - MEDIUM-RISE APARTMENT BUILDINGS ≥ 15M TO < 18M	≥ 500M ² - < 1000M ²		
			TYPE B - MEDIUM-RISE APARTMENT BUILDINGS ≥ 18M TO < 28M	≥ 1000M ²		
C	HIGH-RISE APARTMENT BUILDINGS		≥ 28M	UL - UNLIMITED AREA		
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW-RISE APARTMENT	MEDIUM-RISE APARTMENT TYPE A	TYPE B	HIGH RISE APARTMENT
2	ELECTRICAL SYSTEMS	COMPLYING WITH NFPA 70	REQUIRED	REQUIRED		REQUIRED
	ELECTRICAL EQUIPMENT ROOMS	AUTOMATIC SUPPRESSION SYSTEM (ASS*) or 2-HRS FRR* ENCLOSURES	REQUIRED	REQUIRED		REQUIRED
	SUBSTATIONS & SWITCHGEARS	ATTACHED TO OCCUPIED BUILDINGS REQUIRED PROTECTION	3-HRS FRR or 2-HRS FRR & ASS	3-HRS FRR or 2-HRS FRR & ASS		3-HRS FRR or 2-HRS FRR & ASS
		STANDALONE TRANSFORMER VAULT REQUIRED PROTECTION	3-HRS FRR or 1-HR & ASS	3-HRS FRR or 1-HR & ASS		3-HRS FRR or 1-HR & ASS
		EXPLOSION PROTECTION (ENCLOSURES)	ASS* AND 2-HRS FRR*	ASS* AND 2-HRS FRR*		ASS* AND 2-HRS FRR*
3	COMMERCIAL COOKING EQUIPMENT	COMPLYING WITH NFPA 96	NOT APPLICABLE	NOT APPLICABLE		NOT APPLICABLE
	KITCHEN/PANTRY	ENCLOSURES - FIRE RESISTANCE RATING (FRR*)	NOT REQUIRED	NOT REQUIRED		NOT REQUIRED
	COOKING EQUIPMENT	EQUIPMENT USED ONLY FOR FOOD WARMING	NOT APPLICABLE	NOT APPLICABLE		NOT APPLICABLE
4	ELEVATORS, ESCALATORS & CONVEYORS	COMPLYING WITH ASME A17.1/CSA B44	REQUIRED	REQUIRED		REQUIRED
	FIRE FIGHTERS' EMERGENCY OPERATION	COMPLYING WITH CHAPTER 9 NFPA 101 & ASME A17.1/CSA B44	NOT REQUIRED	NOT REQUIRED		REQUIRED
B	INCINERATORS, RUBBISH & LAUNDRY CHUTES	COMPLYING WITH NFPA 82	REQUIRED	REQUIRED		REQUIRED
	ENCLOSURES	TRAVERSES EQUAL OR LESS THAN 3 STOREYS	1-HR FRR*	1-HR FRR*		1-HR FRR*
		TRAVERSES MORE THAN 3 STOREYS	2-HRS FRR*	2-HRS FRR*		2-HRS FRR*
	OPENING PROTECTIVE	TRAVERSES EQUAL OR LESS THAN 3 STOREYS	1-HR FRR**	1-HR FRR**		1-HR FRR**
		TRAVERSES MORE THAN 3 STOREYS	1.5-HR FRR**	1.5-HR FRR**		1.5-HR FRR**
C	EMERGENCY POWER SUPPLY SYSTEM	COMPLYING WITH NFPA 110	NOT REQUIRED	REQUIRED		REQUIRED
1	GENERATORS	ENCLOSURE	1-HOUR FRR*	1-HOUR FRR*		1-HOUR FRR*
D	FIRE PUMP ROOM	COMPLYING WITH NFPA 20	REQUIRED	REQUIRED		REQUIRED
	ENCLOSURES	MORE THAN 15.3 M FROM ANY BUILDING	1-HR FRR*	1-HR FRR*		1-HR FRR*
		WITHIN 15.3M OR ATTACHED TO BUILDINGS	2-HRS FRR*	2-HRS FRR*		2-HRS FRR*
		THROUGHOUT SPRINKLER (BUILDING/S & PUMP ROOM)	1-HR FRR*	1-HR FRR*		1-HR FRR*



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		RESIDENTIAL OCCUPANCY CONTAINING THREE OR MORE DWELLING UNITS WITH INDEPENDENT BATHROOM AND COOKING FACILITIES		
	OCCUPANCY CLASSIFICATION**		BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS	
A	LOW-RISE APARTMENT BUILDINGS		< 15M	< 500M ²	
B	MEDIUM-RISE APARTMENT BUILDINGS	TYPE A - MEDIUM-RISE APARTMENT BUILDINGS	≥ 15M TO < 18M	≥ 500M ² - < 1000M ²	
		TYPE B - MEDIUM-RISE APARTMENT BUILDINGS	≥ 18M TO < 28M	≥ 1000M ²	
C	HIGH-RISE APARTMENT BUILDINGS		≥ 28M	UL - UNLIMITED AREA	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW-RISE APARTMENT	MEDIUM-RISE APARTMENT TYPE A TYPE B	HIGH RISE APARTMENT
	DIRECT SAFE ACCESS	EXTERNAL ACCESS WITHIN THE LEVEL OF DISCHARGE	REQUIRED	REQUIRED	REQUIRED
		WITHIN 3M FROM ANY EXIT THAT COMPLIES WITH DIRECT DISCHARGE REQUIREMENTS	PERMITTED	PERMITTED	PERMITTED
	ACCESS COMPONENT (UNDERGROUND LOCATION)	STANDARD STAIR (OF ANY NON-COMBUSTIBLE MATERIAL)	REQUIRED	REQUIRED	REQUIRED
		CAT STEEL LADDER	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
E	FIRE WATER TANKS	COMPLYING WITH NFPA 22	NOT REQUIRED	REQUIRED	REQUIRED
	WATER TANK MATERIALS	NON-COMBUSTIBLE MATERIAL	NOT REQUIRED	REQUIRED	REQUIRED
		GRP TANKS (WITHIN 1-HR FIRE RATED ENCLOSURE)	NOT APPLICABLE	PERMITTED	PERMITTED
	DESIGN/COMPARTMENTATION	TWO (2) COMPARTMENTS	REQUIRED	REQUIRED	REQUIRED
F	SMOKE CONTROL / EMERGENCY VENTILATION	COMPLYING WITH NFPA 92 & NFPA 204	NOT REQUIRED	REQUIRED	REQUIRED
1	VENTILATION BY ANY OF THE FOLLOWING: a. NATURAL VENTILATION; b. MECHANICAL VENTILATION BY POSITIVE VENTILATION (PRESSURIZATION) SYSTEM	EXIT STAIRCASES CONNECTS MORE THAN FIVE (5) STOREYS (LEVELS) INCLUDING BASEMENT/S	NOT APPLICABLE	REQUIRED	REQUIRED
		AND/OR WHEN SMOKE-STOP &/OR FIRE FIGHTING LOBBIES ARE REQUIRED	NOT APPLICABLE	NOT APPLICABLE	REQUIRED
2	VENTILATION / SMOKE CONTROL SYSTEM BY ANY OF THE FOLLOWING: a. NATURAL VENTILATION; b. MECHANICAL VENTILATION & SMOKE CONTROL SYSTEM	BASEMENT LEVEL/S WITH FLOOR AREA (FA) EXCEEDING 500 SQ.M.	NOT APPLICABLE	REQUIRED	REQUIRED
		VERTICAL OPENINGS, ATRIUMS & OTHER LARGE VOLUME OF SPACES	REQUIRED	REQUIRED	REQUIRED
G	AIR-CONDITIONING & VENTILATION SYSTEM	COMPLYING WITH NFPA 90A & NFPA 90B AND OTHER RELEVANT, APPLICABLE NFPA CODES & STANDARDS	REQUIRED	REQUIRED	REQUIRED



RESIDENTIAL APARTMENT BUILDINGS

**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

Note:

*This Fire Safety Guide is prepared to determine the minimum required Fire Safety provisions for each Occupancy Type as referenced from General Directorate of Civil Defence (GDCD) adopted National Fire Protection Association (NFPA) Codes & Standards.

For further guidance, the user is referred to the NFPA Codes and Standards and the General Fire Safety Requirements - Guidelines Annexes.

**Occupancy Classification: Unless both the height and area requirements or criteria are met, the next higher classification or category SHALL apply.

®FPR*-FIRE RESISTANCE RATING ®FPR**-FIRE PROTECTION RATING ®ASS-AUTOMATIC SPRINKLER SYSTEM / AUTOMATIC SUPPRESSION SYSTEM ®SS-SMOKE-STOP LOBBY ®FF-FIRE FIGHTING LOBBY

®NP-NOT PERMITTED ®P-PERMITTED ®N/A-NOT APPLICABLE ®R-REQUIRED ®NR-NOT REQUIRED



HOTEL BUILDINGS

**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

HOTEL BUILDINGS

I APPLICATIONS		HOTEL BUILDINGS			
	RESIDENTIAL HOTELS / APARTMENT HOTELS (APARTELS / MOTORTELS / CONDOTELS)	A BUILDING OR GROUP OF BUILDINGS UNDER THE SAME MANAGEMENT IN WHICH THERE ARE SLEEPING ACCOMMODATIONS FOR MORE THAN 16 PERSONS AND PRIMARILY USED BY TRANSIENTS FOR LODGING WITH OR WITHOUT MEALS (AND WITH NO COOKING FACILITIES)			
II OCCUPANCY CLASSIFICATION **		BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS		
A	LOW-RISE HOTEL BUILDINGS	≤ 15M	≤ 500M ² (MAX. 4-GUEST ROOM OR SUITES/FLOOR)		
B	MEDIUM-RISE HOTEL BUILDINGS	> 15M TO <28M	> 500M ² - < 1000M ²		
C	HIGH-RISE HOTEL BUILDINGS	≥ 28M	≥ 1000M ²		
	<i>FIRE SAFETY PROVISIONS</i>	<i>MINIMUM REQUIREMENTS</i>	LOW-RISE HOTEL	MEDIUM-RISE HOTEL	
III	BUILDING AND SITE ACCESS FOR FIRE FIGHTING & RESCUE				
A	SITE ACCESS	4.0M MINIMUM CLEAR WIDTH	REQUIRED	REQUIRED	REQUIRED
		4.5M MINIMUM CLEAR HEIGHT			
B	ACCESS ROAD	4.0M MIN. WIDTH AND 24 TON LOAD CAPACITY	REQUIRED	NOT REQUIRED	NOT REQUIRED
		WITHIN A TRAVEL DISTANCE OF 60M FROM EVERY POINT ON PROJECTED PLAN AREA OF ANY BLDG.			
C	FIRE ENGINE HARDSTANDING	LENGTH OR NUMBER BASE ON THE GROSS FLOOR AREA OF THE BUILDING	REQUIRED WHEN BUILDING HABITABLE HEIGHT EXCEEDS 10M	REQUIRED	REQUIRED
		6M X 15M (MINIMUM), WITH LONGER SIDE PARALLEL TO THE FAÇADE OF THE BUILDING			
		POSITIONED SO THAT THE NEARER EDGE SHALL NOT BE LESS THAN 2M OR NOT MORE THAN 10M FROM THE CENTRE POSITION OF THE ACCESS OPENING.			
D	FIRE COMMAND CENTER	HIGH-RISE BUILDING AND OTHER THAN HIGH-RISE WITH EMERGENCY VOICE COMMUNICATION SYSTEM AND/OR SMOKE CONTROL SYSTEM	REQUIRED	REQUIRED	REQUIRED
		9M ² MINIMUM AREA (LEAST DIMENSION 2.5M)			
		WITH 1M CLEARANCE FROM ALL EQUIPMENT			
		2-HOURS ENCLOSURES (WALLS, OPENINGS & PENETRATIONS)			
		PROVIDED WITH PROMINENTLY MARKED EXTERIOR ENTRANCES	PERMITTED	NOT PERMITTED	NOT PERMITTED
		INSTEAD OF A DEDICATED FIRE RATED ROOM: LOBBIES OR OTHER SPACES ADJACENT TO THE MAIN ENTRANCE OF THE BUILDING			



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS	HOTEL BUILDINGS			
	RESIDENTIAL HOTELS / APARTMENT HOTELS (APARTELS / MOTORTELS / CONDOTELS)	A BUILDING OR GROUP OF BUILDINGS UNDER THE SAME MANAGEMENT IN WHICH THERE ARE SLEEPING ACCOMMODATIONS FOR MORE THAN 16 PERSONS AND PRIMARILY USED BY TRANSIENTS FOR LODGING WITH OR WITHOUT MEALS (AND WITH NO COOKING FACILITIES)			
II	OCCUPANCY CLASSIFICATION **	BUILDING HEIGHT REQUIREMENTS		BUILDING AREA REQUIREMENTS	
A	LOW-RISE HOTEL BUILDINGS	≤ 15M		≤ 500M ² (MAX. 4-GUEST ROOM OR SUITES/FLOOR)	
B	MEDIUM-RISE HOTEL BUILDINGS	> 15M TO <28M		> 500M ² - < 1000M ²	
C	HIGH-RISE HOTEL BUILDINGS	≥ 28M		≥ 1000M ²	
	<i>FIRE SAFETY PROVISIONS</i>	<i>MINIMUM REQUIREMENTS</i>	LOW-RISE HOTEL	MEDIUM-RISE HOTEL	HIGH RISE HOTEL
E	FIRE LIFT	BUILDINGS EQUAL OR MORE THAN 28.0M HIGH ABOVE ENGINE ACCESS LEVEL	NOT APPLICABLE	NOT APPLICABLE	REQUIRED
		BUILDINGS EXCEEDS 9.0M BELOW THE LEVEL OF EXIT DISCHARGE	REQUIRED	REQUIRED	REQUIRED
		SERVES ALL HABITABLE FLOORS	REQUIRED IN EVERY FIRE SERVICE ACCESS ELEVATOR/FIRE LIFT PROVISIONS	REQUIRED IN EVERY FIRE SERVICE ACCESS ELEVATOR/FIRE LIFT PROVISIONS	REQUIRED IN EVERY FIRE SERVICE ACCESS ELEVATOR/FIRE LIFT PROVISIONS
		CONTAINED WITHIN A DEDICATED PROTECTED SHAFT			
		APPROACHED BY FIRE FIGHTING LOBBY AT EACH STOREY			
		ADJACENT AND ACCESSIBLE TO AN EXIT STAIRCASE	REQUIRED IN EVERY FIRE SERVICE ACCESS ELEVATOR/FIRE LIFT PROVISIONS	REQUIRED IN EVERY FIRE SERVICE ACCESS ELEVATOR/FIRE LIFT PROVISIONS	REQUIRED IN EVERY FIRE SERVICE ACCESS ELEVATOR/FIRE LIFT PROVISIONS
		FIRE SERVICE ACCESS ELEVATORS/FIRE LIFT AS PER NFPA 5000 (2012 Ed.) CHAP. 54.12	NOT REQUIRED	NOT REQUIRED	REQUIRED
		AMBULANCE STRETCHER ACCOMMODATION ELEVATOR/LIFT AS PER NFPA 5000 (2012 Ed.) CHAP. 54.3	NOT REQUIRED	REQUIRED ABOVE 18.0M HABITABLE HEIGHT	TO SERVE AS THE OTHER REQUIRED FIRE LIFT
WHEN REQUIRED, AT LEAST ONE (1) FIRE LIFT FOR EVERY 900 SQM. FLOOR AREA	REQUIRED IN EVERY FIRE LIFT PROVISIONS	REQUIRED IN EVERY FIRE LIFT PROVISIONS	REQUIRED IN EVERY FIRE LIFT PROVISIONS		
IV	MEANS OF EGRESS				
A	MEANS OF EGRESS GENERAL REQUIREMENTS				
1	SEPARATION OF MEANS OF EGRESS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
	EXIT ACCESS CORRIDORS	SERVING AN AREA HAVING AN OCCUPANT LOAD EXCEEDING 30	1-HR FRR*	1-HR FRR*	1-HR FRR*
	EXITS	CONNECTS 3 OR FEWER STORIES	1-HR FRR*	1-HR FRR*	1-HR FRR*
		CONNECTS 4 OR MORE STORIES	2-HRS FRR*	2-HRS FRR*	2-HRS FRR*
	OPENING PROTECTIVE	FIRE DOOR ASSEMBLIES EQUIPPED WITH DOOR CLOSERS	REQUIRED	REQUIRED	REQUIRED



HOTEL BUILDINGS

**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS	HOTEL BUILDINGS			
	RESIDENTIAL HOTELS / APARTMENT HOTELS (APARTELS / MOTORTELS / CONDOTELS)	A BUILDING OR GROUP OF BUILDINGS UNDER THE SAME MANAGEMENT IN WHICH THERE ARE SLEEPING ACCOMMODATIONS FOR MORE THAN 16 PERSONS AND PRIMARILY USED BY TRANSIENTS FOR LODGING WITH OR WITHOUT MEALS (AND WITH NO COOKING FACILITIES)			
II	OCCUPANCY CLASSIFICATION **	<i>BUILDING HEIGHT REQUIREMENTS</i>		<i>BUILDING AREA REQUIREMENTS</i>	
A	LOW-RISE HOTEL BUILDINGS	≤ 15M		≤ 500M ² (MAX. 4-GUEST ROOM OR SUITES/FLOOR)	
B	MEDIUM-RISE HOTEL BUILDINGS	> 15M TO <28M		> 500M ² - < 1000M ²	
C	HIGH-RISE HOTEL BUILDINGS	≥ 28M		≥ 1000M ²	
	<i>FIRE SAFETY PROVISIONS</i>	<i>MINIMUM REQUIREMENTS</i>	LOW-RISE HOTEL	MEDIUM-RISE HOTEL	HIGH RISE HOTEL
	CONSTRUCTION	LIMITED OR NON-COMBUSTIBLE MATERIALS	REQUIRED	REQUIRED	REQUIRED
	OPENINGS AND PENETRATIONS IN EXIT ENCLOSURE	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED
2	EXITS HEADROOM	NOT LESS THAN 2285MM	REQUIRED	REQUIRED	REQUIRED
	HEADROOM ON STAIRS	NOT LESS THAN 2285MM	REQUIRED	REQUIRED	REQUIRED
3	WALKING SURFACES IN THE MEANS OF EGRESS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
4	CHANGES IN LEVEL IN THE MEANS OF EGRESS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
5	GUARDS	AT THE OPEN SIDES OF MEANS OF EGRESS 760MM ABOVE THE FLOOR OR FINISHED GROUND LEVEL	REQUIRED	REQUIRED	REQUIRED
6	IMPEDIMENT TO EGRESS		NP-NOT PERMITTED	NP-NOT PERMITTED	NP-NOT PERMITTED
7	MEANS OF EGRESS RELIABILITY	MAINTAINED FREE OF ALL OBSTRUCTION & IMPEDIMENTS	REQUIRED	REQUIRED	REQUIRED
	FURNISHING AND DECORATION	FURNITURES, MOVABLE OBJECTS, MIRRORS, ETC.	NP-NOT PERMITTED	NP-NOT PERMITTED	NP-NOT PERMITTED
B	MEANS OF EGRESS COMPONENTS				
1	FIRE DOORS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
	SIDE-HINGE OR PIVOTED-SWINGING TYPE	ANY DOOR ASSEMBLY IN A MEANS OF EGRESS	REQUIRED	REQUIRED	REQUIRED
		MINIMUM DOOR LEAF WIDTH	810MM	810MM	810MM
	HORIZONTAL SLIDING DOORS	COMPLYING WITH CHAPTER 7 NFPA 101	(NP) ACROSS CORRIDORS	(NP) ACROSS CORRIDORS	(NP) ACROSS CORRIDORS
	VERTICAL ROLLING DOORS	COMPLYING WITH CHAPTER 7 NFPA 101	NP-NOT PERMITTED	NP-NOT PERMITTED	NP-NOT PERMITTED
	REVOLVING DOORS/POWERED DOORS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED
	SELF-CLOSING DEVICES	DOORS REQUIRED TO BE NORMALLY KEPT CLOSED	REQUIRED	REQUIRED	REQUIRED
2	STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
	STANDARD STAIRS	FEWER THAN 50 PERSON (CLEAR WIDTH)	915MM	915MM	915MM
		< 2000 PERSON (CLEAR WIDTH)	1120MM	1120MM	1120MM
		≥ 2000 PERSON (CLEAR WIDTH)	1420MM	1420MM	1420MM



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS	HOTEL BUILDINGS				
	RESIDENTIAL HOTELS / APARTMENT HOTELS (APARTELS / MOTORTELS / CONDOTELS)	A BUILDING OR GROUP OF BUILDINGS UNDER THE SAME MANAGEMENT IN WHICH THERE ARE SLEEPING ACCOMMODATIONS FOR MORE THAN 16 PERSONS AND PRIMARILY USED BY TRANSIENTS FOR LODGING WITH OR WITHOUT MEALS (AND WITH NO COOKING FACILITIES)				
II	OCCUPANCY CLASSIFICATION **	BUILDING HEIGHT REQUIREMENTS		BUILDING AREA REQUIREMENTS		
A	LOW-RISE HOTEL BUILDINGS	≤ 15M		≤ 500M ² (MAX. 4-GUEST ROOM OR SUITES/FLOOR)		
B	MEDIUM-RISE HOTEL BUILDINGS	> 15M TO <28M		> 500M ² - < 1000M ²		
C	HIGH-RISE HOTEL BUILDINGS	≥ 28M		≥ 1000M ²		
	<i>FIRE SAFETY PROVISIONS</i>	<i>MINIMUM REQUIREMENTS</i>	LOW-RISE HOTEL	MEDIUM-RISE HOTEL	HIGH RISE HOTEL	
	SPIRAL STAIRS	ONLY WITHIN GUEST SUITE	PERMITTED	PERMITTED	PERMITTED	
	CURVE STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED	
	WINDERS	COMPLYING WITH CHAPTER 7 NFPA 101	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED	
	GUARDS AND HANDRAILS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED	
	ENCLOSURE AND PROTECTION OF STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED	
	ENCLOSURES	ALL INSIDE STAIR SERVING AS AN EXIT COMPONENT	REQUIRED	REQUIRED	REQUIRED	
		DOORS FPR**	≤3 STOREYS / ≥3 STOREYS	1-HR FPR**/1.5-HR FPR**	1-HR FPR**/1.5-HR FPR**	1-HR FPR** / 2-HRS FPR**
		ENCLOSURES FRR*	≤3 STOREYS / ≥3 STOREYS	1-HR FRR* / 2-HRS FRR*	1-HR FRR* / 2-HRS FRR*	1-HR FRR* / 2-HRS FRR*
	ENCLOSURE EXEMPTION	PENETRATING 1 LEVEL OR SERVING MEZZANINE ONLY	PERMITTED	PERMITTED	PERMITTED	
	EXPOSURES	WALLS AND OPENINGS WITHIN 3050MM HORIZONTALLY OF AN EXTERIOR STAIRWAY ENCLOSURE	1-HR FRR*	1-HR FRR*	1-HR FRR*	
	USEABLE SPACE	WITHIN EXIT ENCLOSURE	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED	
		UNDER STAIRS IN ACCORDANCE WITH NFPA 101	PERMITTED	PERMITTED	PERMITTED	
	STAIRWAY IDENTIFICATION	SERVING 3 OR MORE STOREYS	REQUIRED	REQUIRED	REQUIRED	
	EXIT STAIR PATH MARKINGS	ALL STAIR COMPONENTS	REQUIRED	REQUIRED	REQUIRED	
	PERIMETER DEMARCATION MARKING	COMPLYING WITH NFPA 101	REQUIRED	REQUIRED	REQUIRED	
	LOCK, LATCHES & ALARM DEVICES	COMPLYING WITH NFPA 101	PERMITTED	PERMITTED	PERMITTED	
	RE-ENTRY PROVISIONS	LOCKED STAIRS EXCEEDING 4 STOREYS	NOT REQUIRED	REQUIRED	REQUIRED	
3	RAMPS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED	
		AS SECONDARY EXIT FOR ONE (1) BASEMENT LEVEL	PERMITTED	NOT PERMITTED	NOT PERMITTED	



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS	HOTEL BUILDINGS			
	RESIDENTIAL HOTELS / APARTMENT HOTELS (APARTELS / MOTORTELS / CONDOTELS)	A BUILDING OR GROUP OF BUILDINGS UNDER THE SAME MANAGEMENT IN WHICH THERE ARE SLEEPING ACCOMMODATIONS FOR MORE THAN 16 PERSONS AND PRIMARILY USED BY TRANSIENTS FOR LODGING WITH OR WITHOUT MEALS (AND WITH NO COOKING FACILITIES)			
II	OCCUPANCY CLASSIFICATION **	BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS		
A	LOW-RISE HOTEL BUILDINGS	≤ 15M	≤ 500M ² (MAX. 4-GUEST ROOM OR SUITES/FLOOR)		
B	MEDIUM-RISE HOTEL BUILDINGS	> 15M TO <28M	> 500M ² - < 1000M ²		
C	HIGH-RISE HOTEL BUILDINGS	≥ 28M	≥ 1000M ²		
	<i>FIRE SAFETY PROVISIONS</i>	<i>MINIMUM REQUIREMENTS</i>	LOW-RISE HOTEL	MEDIUM-RISE HOTEL	HIGH RISE HOTEL
4	ROOF ACCESS	BUILDING EQUAL OR MORE THAN 4 STOREYS (G+3) OR ROOFS 12M ABOVE GRADE PLANE	REQUIRED	REQUIRED	REQUIRED
		WHERE OPEN STAIR/S ARE PERMITTED AND PROVIDED IN LOW-RISE DORMITORY OR ACCOMMODATION	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
		ONE AT EACH 9300M ² ROOF AREA OR FLAT ROOFS OR ROOF PITCH <3 IN 12	NOT APPLICABLE	REQUIRED	REQUIRED
ROOF ACCESS COMPONENTS	SMOKE VENTS (FIXED WALL OPENING/S) AT THE TOP OF THE STAIRWELL WITH A MINIMUM AREA OF 1.5M ² .	REQUIRED	NOT APPLICABLE	NOT APPLICABLE	
	STAIR ACCESS TO ROOF WITH OPERABLE DOORS	REQUIRED	REQUIRED	REQUIRED	
5	SMOKE PROOF ENCLOSURES	FRR* (FIRE RESISTANCE RATING)			
STAIR ENCLOSURES	INTERIOR STAIRS SERVING AS AN EXIT COMPONENT	REQUIRED	REQUIRED	REQUIRED	
	OPEN STAIR PENETRATING 1 FLOOR/LEVEL ONLY	PERMITTED	PERMITTED	PERMITTED	
FIRE FIGHTING LOBBY (F/F LOBBY)	IN EVERY FIRE LIFT PROVISIONS	REQUIRED IN EVERY FIRE SERVICE ACCESS ELEVATOR/FIRE LIFT PROVISIONS	REQUIRED IN EVERY FIRE SERVICE ACCESS ELEVATOR/FIRE LIFT PROVISIONS	REQUIRED IN EVERY FIRE SERVICE ACCESS ELEVATOR/FIRE LIFT PROVISIONS	
	ADJACENT AND ACCESSIBLE TO AN EXIT STAIRCASE				
	SERVES AS A COMMON LOBBY FOR BOTH FIRE LIFT AND THE ADJACENT EXIT STAIRCASE				
	6M ² MINIMUM WORKING SPACE/AREA (LEAST SIDE DIMENSION 2.0M)	REQUIRED IN EVERY FIRE SERVICE ACCESS ELEVATOR/FIRE LIFT PROVISIONS	REQUIRED IN EVERY FIRE SERVICE ACCESS ELEVATOR/FIRE LIFT PROVISIONS	REQUIRED IN EVERY FIRE SERVICE ACCESS ELEVATOR/FIRE LIFT PROVISIONS	
PROVISIONS AT THE LEVEL OF EXIT DISCHARGE	NOT REQUIRED	NOT REQUIRED IF EXITS COMPLIES WITH EXIT DISCHARGE REQUIREMENTS	NOT REQUIRED IF EXITS COMPLIES WITH EXIT DISCHARGE REQUIREMENTS		
S/S & F/F LOBBY DOORS & WALL ENCLOSURES	1.5-HR FPR** FIRE PROTECTION RATING/ FRR* 2-HRS FIRE RESISTANCE RATING	NOT APPLICABLE	NOT APPLICABLE	REQUIRED	



HOTEL BUILDINGS

**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS	HOTEL BUILDINGS			
	RESIDENTIAL HOTELS / APARTMENT HOTELS (APARTELS / MOTORTELS / CONDOTELS)	A BUILDING OR GROUP OF BUILDINGS UNDER THE SAME MANAGEMENT IN WHICH THERE ARE SLEEPING ACCOMMODATIONS FOR MORE THAN 16 PERSONS AND PRIMARILY USED BY TRANSIENTS FOR LODGING WITH OR WITHOUT MEALS (AND WITH NO COOKING FACILITIES)			
II	OCCUPANCY CLASSIFICATION **	BUILDING HEIGHT REQUIREMENTS		BUILDING AREA REQUIREMENTS	
A	LOW-RISE HOTEL BUILDINGS	≤ 15M		≤ 500M ² (MAX. 4-GUEST ROOM OR SUITES/FLOOR)	
B	MEDIUM-RISE HOTEL BUILDINGS	> 15M TO <28M		> 500M ² - < 1000M ²	
C	HIGH-RISE HOTEL BUILDINGS	≥ 28M		≥ 1000M ²	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW-RISE HOTEL	MEDIUM-RISE HOTEL	HIGH RISE HOTEL
	SMOKE-STOP LOBBY (S/S LOBBY)	HIGH-RISE BUILDINGS WITH HABITABLE HEIGHT HIGHER THAN 28 METERS	NOT APPLICABLE	NOT APPLICABLE	REQUIRED
		BASEMENT LEVEL/S EXCEED 9.0M METERS DEPTH	REQUIRED ON ALL FLOOR LEVELS	REQUIRED ON ALL FLOOR LEVELS	REQUIRED
		BUILDING TRAVERSES MORE THAN FIVE (5) FLOOR LEVELS INCLUDING BASEMENT/S AND BELONGS TO A PLACE OF PUBLIC RESORT REGARDLESS OF THE HABITABLE HEIGHT.	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
		3M ² MIN. AREA (LEAST SIDE DIMENSION 1.8M)	NOT APPLICABLE	NOT APPLICABLE	REQUIRED
		PROVISIONS AT THE LEVEL OF EXIT DISCHARGE	NOT APPLICABLE	NOT APPLICABLE	NOT REQUIRED IF EXITS COMPLIES WITH EXIT DISCHARGE REQ'TS
6	HORIZONTAL EXITS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED
7	EXIT PASSAGEWAYS	ENCLOSURE & SEPARATION FIRE RESISTANCE RATING COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED 1-HR FRR*	REQUIRED 1-HR FRR*	REQUIRED 1-HR FRR*
		MINIMUM WIDTH NOT LESS THAN ¾ OF THE WIDTH OF THE EXIT STAIR	REQUIRED	REQUIRED	REQUIRED
8	ESCALATORS & MOVING WALKS	AS PART OF THE REQUIRED MEANS OF EGRESS	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
9	FIRE ESCAPE STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED
10	FIRE ESCAPE LADDERS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	NOT PERMITTED
11	SLIDE ESCAPES	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED
12	ALTERNATING TREAD DEVICES	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	NOT PERMITTED
13	AREAS OF REFUGE	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
14	ELEVATORS	AS PART OF THE REQUIRED MEANS OF EGRESS	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
		ELEVATOR DOORS OPENING INTO EXIT ENCLOSURES	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
C	CAPACITY OF MEANS OF EGRESS				
1	OCCUPANT LOAD	NFPA 101 TABLE 7.3.1.2 OCCUPANT LOAD FACTOR	18.6M ² /PERSON	18.6M ² /PERSON	18.6M ² /PERSON
2	EGRESS CAPACITY	NFPA 101 TABLE 7.3.3.1 CAPACITY FACTORS	REQUIRED	REQUIRED	REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		HOTEL BUILDINGS		
	RESIDENTIAL HOTELS / APARTMENT HOTELS (APARTELS / MOTORTELS / CONDOTELS)		A BUILDING OR GROUP OF BUILDINGS UNDER THE SAME MANAGEMENT IN WHICH THERE ARE SLEEPING ACCOMMODATIONS FOR MORE THAN 16 PERSONS AND PRIMARILY USED BY TRANSIENTS FOR LODGING WITH OR WITHOUT MEALS (AND WITH NO COOKING FACILITIES)		
II	OCCUPANCY CLASSIFICATION **		BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS	
A	LOW-RISE HOTEL BUILDINGS		≤ 15M	≤ 500M ² (MAX. 4-GUEST ROOM OR SUITES/FLOOR)	
B	MEDIUM-RISE HOTEL BUILDINGS		> 15M TO <28M	> 500M ² - < 1000M ²	
C	HIGH-RISE HOTEL BUILDINGS		≥ 28M	≥ 1000M ²	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW-RISE HOTEL	MEDIUM-RISE HOTEL	HIGH RISE HOTEL
D	NUMBER OF EXITS				
1	SINGLE EXIT	SERVING ALL FLOOR LEVELS	PERMITTED WITH CONDITIONS*	NOT PERMITTED	NOT PERMITTED
		IN MEZZANINES AND/OR ANY SECTIONS WITH EXIT TRAVEL WITHIN COMMON PATH LIMIT)	PERMITTED	PERMITTED	PERMITTED
		ROOMS/SUITES HAS AN EXIT DOOR OPENING DIRECTLY TO A STREET OR YARD AT FINISHED GROUND LEVEL	PERMITTED	NOT APPLICABLE	NOT APPLICABLE
		ROOMS/SUITES HAS DIRECT ACCESS TO OUTSIDE STAIR & SERVES A MAXIMUM OF 2 UNITS BOTH OF WHICH ARE LOCATED ON THE SAME FLOOR.	PERMITTED	NOT APPLICABLE	NOT APPLICABLE
		ROOMS/SUITES HAS DIRECT ACCESS TO AN INSIDE STAIR SERVING ONLY THAT UNIT & SEPARATED FROM OTHER PARTS OF THE BLDG. WITH 1-HR FIRE BARRIERS	PERMITTED	NOT APPLICABLE	NOT APPLICABLE
CONDITIONS* PERMITTING SINGLE EXIT PROVISIONS (REQUIRES COMPLIANCE TO ALL STATED CONDITIONS)	1	FLOOR AREA IS EQUAL OR LESS THAN 500M ²	REQUIRED	NOT APPLICABLE	NOT APPLICABLE
	2	TRAVEL DISTANCE FROM THE ENTRANCE DOOR OF ANY DWELLING UNIT TO AN EXIT DOES NOT EXCEED 10.7M.	REQUIRED	NOT APPLICABLE	NOT APPLICABLE
	3	EXIT STAIRWAY IS COMPLETELY ENCLOSED OR SEPARATED FROM THE REST OF THE BUILDING	REQUIRED	NOT APPLICABLE	NOT APPLICABLE
	4	STAIRWAY SERVE ONLY 1 BASEMENT LEVEL	REQUIRED	NOT APPLICABLE	NOT APPLICABLE
	5	ALL OPENINGS BETWEEN THE EXIT ENCLOSURE AND THE BUILDING ARE PROTECTED WITH SELF-CLOSING DOOR ASSEMBLIES OF 1-HOUR FRR**	REQUIRED	NOT APPLICABLE	NOT APPLICABLE
	6	ALL CORRIDORS SERVING AS ACCESS TO EXITS HAVE A MINIMUM OF 1-HOUR FRR*	REQUIRED	NOT APPLICABLE	NOT APPLICABLE
	7	HORIZONTAL & VERTICAL SEPARATION OF 1.0-HR FRR* PROVIDED BETWEEN GUEST ROOMS/SUITES	REQUIRED	NOT APPLICABLE	NOT APPLICABLE



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I		APPLICATIONS		HOTEL BUILDINGS							
		RESIDENTIAL HOTELS / APARTMENT HOTELS (APARTELS / MOTORTELS / CONDOTELS)		A BUILDING OR GROUP OF BUILDINGS UNDER THE SAME MANAGEMENT IN WHICH THERE ARE SLEEPING ACCOMMODATIONS FOR MORE THAN 16 PERSONS AND PRIMARILY USED BY TRANSIENTS FOR LODGING WITH OR WITHOUT MEALS (AND WITH NO COOKING FACILITIES)							
II		OCCUPANCY CLASSIFICATION **		BUILDING HEIGHT REQUIREMENTS			BUILDING AREA REQUIREMENTS				
A		LOW-RISE HOTEL BUILDINGS		≤ 15M			≤ 500M ² (MAX. 4-GUEST ROOM OR SUITES/FLOOR)				
B		MEDIUM-RISE HOTEL BUILDINGS		> 15M TO <28M			> 500M ² - < 1000M ²				
C		HIGH-RISE HOTEL BUILDINGS		≥ 28M			≥ 1000M ²				
		FIRE SAFETY PROVISIONS		MINIMUM REQUIREMENTS		LOW-RISE HOTEL		MEDIUM-RISE HOTEL		HIGH RISE HOTEL	
	CONDITIONS* PERMITTING SINGLE EXIT PROVISIONS (REQUIRES COMPLIANCE TO ALL STATED CONDITIONS)	8	PROVIDED WITH SMOKE VENTS (FIXED WALL OPENING/S) AT THE TOP OF THE STAIRWELL WITH A MINIMUM AREA OF 1.5M ² .	REQUIRED		NOT APPLICABLE		NOT APPLICABLE			
		9	EXIT STAIR (TRAVERSES MORE THAN 5 STORIES INCLUDING BASEMENTS) IS PRESSURIZED.	NOT APPLICABLE		REQUIRED		REQUIRED			
		10	THE BUILDING IS PROTECTED THROUGHOUT BY AN APPROVED AUTOMATIC SPRINKLER SYSTEM	REQUIRED		NOT APPLICABLE		NOT APPLICABLE			
2	NOT LESS THAN 2 SEPARATE EXITS / EXIT ACCESS DOORS	GUEST ROOM/SUITE EXCEEDING 185M ²		REQUIRED		REQUIRED		REQUIRED			
		50 - 500 OCCUPANTS		REQUIRED		REQUIRED		REQUIRED			
		ON EVERY STORY AND ACCESSIBLE FROM EVERY PART OF EVERY STORY		REQUIRED		REQUIRED		REQUIRED			
3	NOT LESS THAN 3 SEPARATE EXITS	EQUAL OR MORE THAN 500 OCCUPANTS		REQUIRED		REQUIRED		REQUIRED			
4	NOT LESS THAN 4 SEPARATE EXITS	EQUAL OR MORE THAN 1000 OCCUPANTS		REQUIRED		REQUIRED		REQUIRED			
E	ARRANGEMENT OF EXITS	(NS*NOT SPRINKLERED / S*SPRINKLERED)		NS*	S**	NS*	S**	NS*	S**		
1	TRAVEL DISTANCE	NFPA 101 TABLE A.7.6	TOTAL TRAVEL DISTANCES PERMITTED	53M	99M	53M	99M	53M	99M		
			WITHIN A GUEST ROOM OR GUEST SUITE TO A CORRIDOR DOOR	23M	38M	23M	38M	23M	38M		
			FROM THE CORRIDOR DOOR OF ANY GUEST ROOM/SUITE TO THE NEAREST EXIT	30M	61M	30M	61M	30M	61M		
			FROM A GUEST ROOM OR GUEST SUITE ENTRANCE DOOR TO THE NEAREST EXIT FOR EXTERIOR WAYS OF EXIT ACCESS	61M	61M	61M	61M	61M	61M		
2	COMMON PATH LIMIT	NFPA 101 TABLE A.7.6		10.7M	15M	10.7M	15M	10.7M	15M		
3	DEAD-END CORRIDOR	NFPA 101 TABLE A.7.6		10.7M	15M	10.7M	15M	10.7M	15M		



HOTEL BUILDINGS

**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS	HOTEL BUILDINGS			
	RESIDENTIAL HOTELS / APARTMENT HOTELS (APARTELS / MOTORTELS / CONDOTELS)	A BUILDING OR GROUP OF BUILDINGS UNDER THE SAME MANAGEMENT IN WHICH THERE ARE SLEEPING ACCOMMODATIONS FOR MORE THAN 16 PERSONS AND PRIMARILY USED BY TRANSIENTS FOR LODGING WITH OR WITHOUT MEALS (AND WITH NO COOKING FACILITIES)			
II	OCCUPANCY CLASSIFICATION **	BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS		
A	LOW-RISE HOTEL BUILDINGS	≤ 15M	≤ 500M ² (MAX. 4-GUEST ROOM OR SUITES/FLOOR)		
B	MEDIUM-RISE HOTEL BUILDINGS	> 15M TO <28M	> 500M ² - < 1000M ²		
C	HIGH-RISE HOTEL BUILDINGS	≥ 28M	≥ 1000M ²		
	<i>FIRE SAFETY PROVISIONS</i>	<i>MINIMUM REQUIREMENTS</i>	LOW-RISE HOTEL	MEDIUM-RISE HOTEL	HIGH RISE HOTEL
4	EXIT DISCHARGE				
	EXTERIOR DISCHARGE	COMPLYING WITH NFPA 101	REQUIRED	REQUIRED	REQUIRED
	DISCHARGE THROUGH AREAS ON LEVEL OF EXIT DISCHARGE	MAXIMUM 30M TRAVEL DISTANCE TO BUILDING EXTERNAL	PERMITTED	PERMITTED	PERMITTED
		50% OF THE REQUIRED NUMBER OF EXITS & 50% OF THE REQUIRED EXIT CAPACITY (SPRINKLER PROTECTED)	PERMITTED	PERMITTED	PERMITTED
5	EXTERIOR WAYS OF EXIT	COMPLYING WITH NFPA 101	PERMITTED	PERMITTED	PERMITTED
6	ACCESSIBLE MEANS OF EGRESS	EXIT PROVISIONS FOR PEOPLE WITH SEVERE MOBILITY IMPAIRMENT	NOT LESS THAN 2 EXITS REQUIRED	NOT LESS THAN 2 EXITS REQUIRED	NOT LESS THAN 2 EXITS REQUIRED
7	ILLUMINATION OF MEANS OF EGRESS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
8	EMERGENCY LIGHTING	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
9	MARKINGS OF MEANS OF EGRESS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
F	SPECIAL MEANS OF EGRESS PROVISIONS				
1	FIREMEN ACCESS PANELS	HABITABLE HEIGHT EXCEEDING 10M	REQUIRED	REQUIRED	REQUIRED
2	REFUGE FLOORS	BUILDING EXCEEDING 30 STORIES	NOT APPLICABLE	NOT APPLICABLE	REQUIRED
3	ELEVATORS FOR OCCUPANT CONTROLLED EVACUATION PRIOR TO PHASE I EMERGENCY RECALL OPERATIONS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED
V	INTERIOR FINISH CONTENTS AND FURNISHING				
A	INTERIOR FINISH	COMPLYING WITH CHAPTER 10 OF NFPA 101			
1	INTERIOR WALL & CEILING FINISHES	EXIT ENCLOSURES	CLASS A	CLASS A	CLASS A
		LOBBIES & CORRIDORS	CLASS A OR CLASS B	CLASS A OR CLASS B	CLASS A OR CLASS B
		OTHER SPACES	CLASS A, CLASS B OR CLASS C	CLASS A, CLASS B OR CLASS C	CLASS A, CLASS B OR CLASS C
2	INTERIOR FLOOR FINISHES	EXIT ENCLOSURES, EXIT ACCESS CORRIDORS AND SPACES NOT SEPARATED FROM THEM	CLASS II	CLASS II	CLASS II



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		HOTEL BUILDINGS			
	RESIDENTIAL HOTELS / APARTMENT HOTELS (APARTELS / MOTORTELS / CONDOTELS)		A BUILDING OR GROUP OF BUILDINGS UNDER THE SAME MANAGEMENT IN WHICH THERE ARE SLEEPING ACCOMMODATIONS FOR MORE THAN 16 PERSONS AND PRIMARILY USED BY TRANSIENTS FOR LODGING WITH OR WITHOUT MEALS (AND WITH NO COOKING FACILITIES)			
II	OCCUPANCY CLASSIFICATION **		BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS		
A	LOW-RISE HOTEL BUILDINGS		≤ 15M	≤ 500M ² (MAX. 4-GUEST ROOM OR SUITES/FLOOR)		
B	MEDIUM-RISE HOTEL BUILDINGS		> 15M TO <28M	> 500M ² - < 1000M ²		
C	HIGH-RISE HOTEL BUILDINGS		≥ 28M	≥ 1000M ²		
	FIRE SAFETY PROVISIONS		MINIMUM REQUIREMENTS	LOW-RISE HOTEL	MEDIUM-RISE HOTEL	HIGH RISE HOTEL
VI	FEATURES OF FIRE PROTECTION (NFPA 5000 TABLES 7.2.1.1, 7.3.2.1, 7.3.5 (a), (b), 7.3.5.5, 7.4.1)					
A	CONSTRUCTION		COMPLYING WITH CHAPTER 7 & 8 OF NFPA 5000	REQUIRED	REQUIRED	REQUIRED
1	CONSTRUCTION (NON-COMBUSTIBLE OR LIMITED COMBUSTIBLE MATERIALS)	TYPE I OR TYPE II	EXTERIOR BEARING WALLS	HOURLY RATINGS REQUIRED PER TYPE OF CONSTRUCTION BASED ON NFPA 5000 HEIGHT & AREA REQUIREMENTS	HOURLY RATINGS REQUIRED PER TYPE OF CONSTRUCTION BASED ON NFPA 5000 HEIGHT & AREA REQUIREMENTS	HOURLY RATINGS REQUIRED PER TYPE OF CONSTRUCTION BASED ON NFPA 5000 HEIGHT & AREA REQUIREMENTS
FRAMING, COLUMNS, BEAMS, GIRDERS, TRUSSES						
FLOOR CONSTRUCTION						
B	SUBDIVISION OF BUILDING SPACES		COMPLYING WITH NFPA 101 & NFPA 5000	REQUIRED	REQUIRED	REQUIRED
1	FIRE BARRIERS		COMPLYING WITH NFPA 101 & NFPA 5000	REQUIRED	REQUIRED	REQUIRED
	SEPARATION BETWEEN GUEST ROOM/SUITES		SPRINKLERED	0.5-HR FRR*	0.5-HR FRR*	0.5-HR FRR*
2	SEPARATION FROM OTHER OCCUPANCIES		AS PER NFPA 101 TABLE 6.1.14.4.1 (a), (b)	REQUIRED	REQUIRED	REQUIRED
3	CORRIDORS RATED SEPARATION		COMPLYING WITH NFPA 101.28 & 29			
	REQUIRED SEPARATION		SPRINKLERED	0.5-HR FRR*	0.5-HR FRR*	0.5-HR FRR*
	DOORS		OPENING ONTO EXIT ACCESS CORRIDORS	20-MIN FPR**	20-MIN FPR**	20-MIN FPR**
4	SMOKE PARTITIONS		COMPLYING WITH NFPA 101 & NFPA 5000	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED
5	SMOKE BARRIERS		COMPLYING WITH NFPA 101 & NFPA 5000	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED
C	VERTICAL OPENINGS PROTECTION		PROTECTION COMPLYING WITH NFPA CODES	REQUIRED	REQUIRED	REQUIRED
1	COMMUNICATING SPACES		COMPLYING WITH CHAPTER 8 NFPA 101	PERMITTED	PERMITTED	PERMITTED
2	ATRIUMS		COMPLYING WITH CHAPTER 8 NFPA 101	PERMITTED	PERMITTED	PERMITTED
3	CONVENIENCE OPENINGS		COMPLYING WITH CHAPTER 8 NFPA 101	PERMITTED	PERMITTED	PERMITTED
4	SHAFTS		COMPLYING WITH CHAPTER 8 NFPA 101	PERMITTED	PERMITTED	PERMITTED
5	MEZZANINES		COMPLYING WITH CHAPTER 8 NFPA 101	PERMITTED	PERMITTED	PERMITTED
6	CONCEALED SPACES & DRAFSTOPS		COMPLYING WITH CHAPTER 8 NFPA 101	REQUIRED	REQUIRED	REQUIRED
	EXTERIOR & INTERIOR WALL & PARTITION		FIRESTOPPED AT EACH FLOOR LEVEL, TOP STORY CEILING LEVEL & AT THE LEVEL OF SUPPORT FOR ROOFS	REQUIRED	REQUIRED	REQUIRED
	UNOCCUPIED ATTIC SPACES		DRAFSTOP INTO AREAS NOT EXCEEDING 280M ²	REQUIRED	REQUIRED	REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS	HOTEL BUILDINGS			
	RESIDENTIAL HOTELS / APARTMENT HOTELS (APARTELS / MOTORTELS / CONDOTELS)	A BUILDING OR GROUP OF BUILDINGS UNDER THE SAME MANAGEMENT IN WHICH THERE ARE SLEEPING ACCOMMODATIONS FOR MORE THAN 16 PERSONS AND PRIMARILY USED BY TRANSIENTS FOR LODGING WITH OR WITHOUT MEALS (AND WITH NO COOKING FACILITIES)			
II	OCCUPANCY CLASSIFICATION **	<i>BUILDING HEIGHT REQUIREMENTS</i>		<i>BUILDING AREA REQUIREMENTS</i>	
A	LOW-RISE HOTEL BUILDINGS	≤ 15M		≤ 500M ² (MAX. 4-GUEST ROOM OR SUITES/FLOOR)	
B	MEDIUM-RISE HOTEL BUILDINGS	> 15M TO <28M		> 500M ² - < 1000M ²	
C	HIGH-RISE HOTEL BUILDINGS	≥ 28M		≥ 1000M ²	
	<i>FIRE SAFETY PROVISIONS</i>	<i>MINIMUM REQUIREMENTS</i>	LOW-RISE HOTEL	MEDIUM-RISE HOTEL	HIGH RISE HOTEL
	CONCEALED SPACES (CEILINGS & FLOORS)	DRAFSTOP INTO AREAS NOT EXCEEDING 93M ²	REQUIRED	REQUIRED	REQUIRED
	CONCEALED SPACES (FLOORS & ROOFS)	DRAFSTOP INTO AREAS NOT EXCEEDING 280M ²	REQUIRED	REQUIRED	REQUIRED
D	HAZARDOUS AREA PROTECTION	COMPLYING WITH TABLE 28.3.2.2.2 OF NFPA 101	REQUIRED	REQUIRED	REQUIRED
1	BOILER ROOM & FUEL-FIRE HEATER ROOM SERVING MORE THAN A SINGLE GUEST ROOM OR SUITE	SEPARATION AND PROTECTION REQUIRED	1-HR FRR* AND SPRINKLERS	1-HR FRR* AND SPRINKLERS	1-HR FRR* AND SPRINKLERS
2	EMPLOYEE LOCKER ROOMS	SEPARATION AND PROTECTION REQUIRED	1-HR FRR* OR SPRINKLERS	1-HR FRR* OR SPRINKLERS	1-HR FRR* OR SPRINKLERS
3	GIFT OR RETAIL SHOPS	SEPARATION AND PROTECTION REQUIRED	1-HR FRR* OR SPRINKLERS	1-HR FRR* OR SPRINKLERS	1-HR FRR* OR SPRINKLERS
4	BULK LAUNDRIES	SEPARATION AND PROTECTION REQUIRED	1-HR FRR* AND SPRINKLERS	1-HR FRR* AND SPRINKLERS	1-HR FRR* AND SPRINKLERS
5	GUEST LAUNDRIES	≤9.3M ² OUTSIDE OF GUEST ROOMS OR SUITES	1-HR FRR* OR SPRINKLERS	1-HR FRR* OR SPRINKLERS	1-HR FRR* OR SPRINKLERS
		>9.3M ² OUTSIDE OF GUEST ROOMS OR SUITES	1-HR FRR* AND SPRINKLERS	1-HR FRR* AND SPRINKLERS	1-HR FRR* AND SPRINKLERS
6	MAINTENANCE SHOPS	SEPARATION AND PROTECTION REQUIRED	1-HR FRR* AND SPRINKLERS	1-HR FRR* AND SPRINKLERS	1-HR FRR* AND SPRINKLERS
7	STORAGE ROOMS	SEPARATION AND PROTECTION REQUIRED	1-HR FRR* OR SPRINKLERS	1-HR FRR* OR SPRINKLERS	1-HR FRR* OR SPRINKLERS
8	TRASH COLLECTION ROOMS	SEPARATION AND PROTECTION REQUIRED	1-HR FRR* AND SPRINKLERS	1-HR FRR* AND SPRINKLERS	1-HR FRR* AND SPRINKLERS
VII	FIRE PROTECTION (FRR* FIRE RESISTANCE RATING / FPR** FIRE PROTECTION RATING)				
A	DETECTION ALARM AND COMMUNICATION SYSTEMS				
1	FIRE ALARM SYSTEM	COMPLYING WITH NFPA 72	REQUIRED	REQUIRED	REQUIRED
	CARBON MONOXIDE ALARMS AND DETECTION SYSTEM	GUEST ROOM/SUITES WITH COMMUNICATING ATTACHED GARAGE	REQUIRED	REQUIRED	REQUIRED
		GUEST ROOM/SUITES CONTAINING A PERMANENTLY INSTALLED FUEL-BURNING APPLIANCE	REQUIRED	REQUIRED	REQUIRED
		IN GARAGE	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED
		GUEST ROOMS/SUITES WITH COMMUNICATING ATTACHED GARAGE THAT ARE CONSIDERED AS OPEN PARKING STRUCTURE	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS	HOTEL BUILDINGS			
	RESIDENTIAL HOTELS / APARTMENT HOTELS (APARTELS / MOTORTELS / CONDOTELS)	A BUILDING OR GROUP OF BUILDINGS UNDER THE SAME MANAGEMENT IN WHICH THERE ARE SLEEPING ACCOMMODATIONS FOR MORE THAN 16 PERSONS AND PRIMARILY USED BY TRANSIENTS FOR LODGING WITH OR WITHOUT MEALS (AND WITH NO COOKING FACILITIES)			
II	OCCUPANCY CLASSIFICATION **	BUILDING HEIGHT REQUIREMENTS		BUILDING AREA REQUIREMENTS	
A	LOW-RISE HOTEL BUILDINGS	≤ 15M		≤ 500M ² (MAX. 4-GUEST ROOM OR SUITES/FLOOR)	
B	MEDIUM-RISE HOTEL BUILDINGS	> 15M TO <28M		> 500M ² - < 1000M ²	
C	HIGH-RISE HOTEL BUILDINGS	≥ 28M		≥ 1000M ²	
	<i>FIRE SAFETY PROVISIONS</i>	<i>MINIMUM REQUIREMENTS</i>	LOW-RISE HOTEL	MEDIUM-RISE HOTEL	HIGH RISE HOTEL
	CARBON MONOXIDE ALARMS AND DETECTION SYSTEM	GUEST ROOMS/SUITES WITH COMMUNICATING ATTACHED GARAGE THAT ARE MECHANICALLY VENTILATED	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED
B	EXTINGUISHING REQUIREMENTS	COMPLYING WITH INDIVIDUAL NFPA CODES AND STANDARDS	REQUIRED	REQUIRED	REQUIRED
1	PORTABLE FIRE EXTINGUISHERS	TYPE AND RATING IN ACCORDANCE WITH NFPA 10	REQUIRED	REQUIRED	REQUIRED
2	FIRE BLANKETS	IN KITCHEN OR PANTRY	REQUIRED	REQUIRED	REQUIRED
3	STANDPIPE SYSTEM	BUILDING EXCEEDING 9M IN HABITABLE HEIGHT	EXCEEDING 9M IN HEIGHT	REQUIRED	REQUIRED
4	FIRE HOSE REELS	25MM DIAMETER HOSE	REQUIRED	REQUIRED	REQUIRED
5	AUTOMATIC SPRINKLER SYSTEM	THROUGHOUT PROTECTION	NOT REQUIRED WHEN 2- EXITS ARE PROVIDED	REQUIRED	REQUIRED
		WITH GUEST ROOMS OR GUEST SUITES HAVING A DOOR OPENING DIRECTLY OUTSIDE AT THE STREET LEVEL	PERMITTED	NOT APPLICABLE	NOT APPLICABLE
		WITH GUEST ROOMS OR GUEST SUITES HAVING AN EXTERIOR ACCESS COMPLYING WITH CAHPTER 7 OF NFPA 101	PERMITTED	NOT APPLICABLE	NOT APPLICABLE
		PROVIDED IN LIEU OF THE REQUIRED DRAFSTOPS IN CONCEALED SPACES	PERMITTED	PERMITTED	PERMITTED
		ONE BASEMENT LEVEL USED AS CARPARK ONLY (WITH FLOOR AREA EXCEEDING 1115 SQ.M.)	REQUIRED	REQUIRED	REQUIRED
		ONE BASEMENT LEVEL USED AS MIXED OCCUPANCY	REQUIRED	REQUIRED	REQUIRED
		BUILDING HAS MORE THAN ONE BASEMENT LEVEL	REQUIRED	REQUIRED	REQUIRED
6	OTHER EXTINGUISHING EQUIPMENT	COMPLIANCE FROM INDIVIDUAL NFPA CODES & STANDARDS	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		HOTEL BUILDINGS		
	RESIDENTIAL HOTELS / APARTMENT HOTELS (APARTELS / MOTORTELS / CONDOTELS)		A BUILDING OR GROUP OF BUILDINGS UNDER THE SAME MANAGEMENT IN WHICH THERE ARE SLEEPING ACCOMMODATIONS FOR MORE THAN 16 PERSONS AND PRIMARILY USED BY TRANSIENTS FOR LODGING WITH OR WITHOUT MEALS (AND WITH NO COOKING FACILITIES)		
II	OCCUPANCY CLASSIFICATION **		BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS	
A	LOW-RISE HOTEL BUILDINGS		≤ 15M	≤ 500M ² (MAX. 4-GUEST ROOM OR SUITES/FLOOR)	
B	MEDIUM-RISE HOTEL BUILDINGS		> 15M TO <28M	> 500M ² - < 1000M ²	
C	HIGH-RISE HOTEL BUILDINGS		≥ 28M	≥ 1000M ²	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW-RISE HOTEL	MEDIUM-RISE HOTEL	HIGH RISE HOTEL
VIII	BUILDING SERVICES PROTECTION (ASS* AUTOMATIC SUPPRESSION SYSTEM)				
A	BUILDING UTILITIES				
	COMPLYING WITH CHAPTER 9 NFPA 101		REQUIRED	REQUIRED	REQUIRED
1	GAS EQUIPMENT & RELATED PIPING		PROTECTION AS PER NFPA 54 & NFPA 58	REQUIRED	REQUIRED
2	ELECTRICAL SYSTEMS		COMPLYING WITH NFPA 70	REQUIRED	REQUIRED
	ELECTRICAL EQUIPMENT ROOMS		AUTOMATIC SUPPRESSION SYSTEM or 2-HRS ENCLOSURE	REQUIRED	REQUIRED
	SUBSTATIONS & SWITCHGEARS		ATTACHED TO OCCUPIED BUILDINGS REQUIRED PROTECTION	3-HRS FRR* or ASS*	3-HRS FRR* or ASS*
			STAND ALONE TRANSFORMER VAULT REQUIRED PROTECTION	3-HRS FRR* or 2-HRS FRR* with ASS	3-HRS FRR* or 2-HRS FRR* with ASS
			EXPLOSION PROTECTION	ASS* & 2-HRS FRR* ENCLOSURE	ASS* & 2-HRS FRR* ENCLOSURE
3	COMMERCIAL COOKING EQUIPMENT		COMPLYING WITH NFPA 96	REQUIRED WHEN PROVIDED	REQUIRED
	KITCHEN/PANTRY		ENCLOSURE FRR*	NOT REQUIRED	NOT REQUIRED
	COOKING EQUIPMENT		EQUIPMENT USED ONLY FOR FOOD WARMING	NOT PERMITTED	NOT PERMITTED
4	ELEVATORS, ESCALATORS & CONVEYORS		COMPLYING WITH ASME A17.1/CSA B44	REQUIRED	REQUIRED
	FIRE FIGHTERS' EMERGENCY OPERATION		COMPLYING WITH CHAPTER 9 NFPA 101 & ASME A17.1/CSA B44	NOT REQUIRED	REQUIRED
B	RUBBISH CHUTE, INCINERATORS & LAUNDRY CHUTES				
	COMPLYING WITH NFPA 82		REQUIRED	REQUIRED	REQUIRED
	ENCLOSURES		TRAVERSES EQUAL OR LESS THAN 3 STOREYS	1-HR FRR*	1-HR FRR*
			TRAVERSES MORE THAN 3 STOREYS	2-HRS FRR*	2-HRS FRR*
	OPENING PROTECTIVE		TRAVERSES EQUAL OR LESS THAN 3 STOREYS	1-HR FPR**	1-HR FPR**
			TRAVERSES MORE THAN 3 STOREYS	1.5-HR FPR**	1.5-HR FPR**
C	EMERGENCY POWER SUPPLY SYSTEM				
1	GENERATORS		COMPLYING WITH NFPA 110	NOT REQUIRED	REQUIRED
	ENCLOSURE			1-HR FRR*	1-HOUR FRR*
D	FIRE PUMP ROOM				
	COMPLYING WITH NFPA 20		REQUIRED	REQUIRED	REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I		APPLICATIONS	HOTEL BUILDINGS			
		RESIDENTIAL HOTELS / APARTMENT HOTELS (APARTELS / MOTORTELS / CONDOTELS)	A BUILDING OR GROUP OF BUILDINGS UNDER THE SAME MANAGEMENT IN WHICH THERE ARE SLEEPING ACCOMMODATIONS FOR MORE THAN 16 PERSONS AND PRIMARILY USED BY TRANSIENTS FOR LODGING WITH OR WITHOUT MEALS (AND WITH NO COOKING FACILITIES)			
II		OCCUPANCY CLASSIFICATION **	BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS		
A	LOW-RISE HOTEL BUILDINGS		≤ 15M	≤ 500M ² (MAX. 4-GUEST ROOM OR SUITES/FLOOR)		
B	MEDIUM-RISE HOTEL BUILDINGS		> 15M TO <28M	> 500M ² - < 1000M ²		
C	HIGH-RISE HOTEL BUILDINGS		≥ 28M	≥ 1000M ²		
		FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW-RISE HOTEL	MEDIUM-RISE HOTEL	HIGH RISE HOTEL
1	ENCLOSURES	MORE THAN 15.3 M FROM ANY BUILDING		1-HR FRR*	1-HR FRR*	1-HR FRR*
		WITHIN 15.3M OR ATTACHED TO BUILDINGS		2-HRS FRR*	2-HRS FRR*	2-HRS FRR*
		THROUGHOUT SPRINKLER (BUILDING/S & PUMP ROOM)		1-HR FRR*	1-HR FRR*	1-HR FRR*
2	DIRECT SAFE ACCESS	EXTERNAL ACCESS WITHIN THE LEVEL OF DISCHARGE		REQUIRED	REQUIRED	REQUIRED
		WITHIN 3M FROM ANY EXIT THAT COMPLIES WITH DIRECT DISCHARGE REQUIREMENTS		PERMITTED	PERMITTED	PERMITTED
3	ACCESS COMPONENT (UNDERGROUND LOCATION)	STANDARD STAIR (OF ANY NON-COMBUSTIBLE MATERIAL)		REQUIRED	REQUIRED	REQUIRED
		CAT STEEL LADDER		NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
E	FIRE WATER TANKS	COMPLYING WITH NFPA 22		REQUIRED	REQUIRED	REQUIRED
	WATER TANK MATERIALS	NON-COMBUSTIBLE MATERIAL		REQUIRED	REQUIRED	REQUIRED
		GRP TANKS (WITHIN 1-HR FIRE RATED ENCLOSURE)		PERMITTED	PERMITTED	PERMITTED
	DESIGN/COMPARTMENTATION	TWO (2) COMPARTMENTS		REQUIRED	REQUIRED	REQUIRED
F	SMOKE CONTROL / EMERGENCY VENTILATION	COMPLYING WITH NFPA 92 & NFPA 204		NOT REQUIRED	REQUIRED	REQUIRED
1	VENTILATION BY ANY OF THE FOLLOWING: a. NATURAL VENTILATION; b. MECHANICAL VENTILATION BY POSITIVE VENTILATION (PRESSURIZATION) SYSTEM	EXIT STAIRCASES CONNECTS MORE THAN FIVE (5) STOREYS (LEVELS) INCLUDING BASEMENT/S		NOT APPLICABLE	REQUIRED	REQUIRED
		AND/OR WHEN SMOKE-STOP &/OR FIRE FIGHTING LOBBIES ARE REQUIRED		NOT APPLICABLE	NOT APPLICABLE	REQUIRED
2	VENTILATION / SMOKE CONTROL SYSTEM BY ANY OF THE FOLLOWING: a. NATURAL VENTILATION; b. MECHANICAL VENTILATION & SMOKE CONTROL SYSTEM	BASEMENT LEVEL/S WITH FLOOR AREA (FA) EXCEEDING 500 SQ.M.		NOT APPLICABLE	REQUIRED	REQUIRED
		VERTICAL OPENINGS, ATRIUMS & OTHER LARGE VOLUME OF SPACES		REQUIRED	REQUIRED	REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS	HOTEL BUILDINGS		
	RESIDENTIAL HOTELS / APARTMENT HOTELS (APARTELS / MOTORTELS / CONDOTELS)	A BUILDING OR GROUP OF BUILDINGS UNDER THE SAME MANAGEMENT IN WHICH THERE ARE SLEEPING ACCOMMODATIONS FOR MORE THAN 16 PERSONS AND PRIMARILY USED BY TRANSIENTS FOR LODGING WITH OR WITHOUT MEALS (AND WITH NO COOKING FACILITIES)		
II	OCCUPANCY CLASSIFICATION **	<i>BUILDING HEIGHT REQUIREMENTS</i>		<i>BUILDING AREA REQUIREMENTS</i>
A	LOW-RISE HOTEL BUILDINGS	≤ 15M		≤ 500M ² (MAX. 4-GUEST ROOM OR SUITES/FLOOR)
B	MEDIUM-RISE HOTEL BUILDINGS	> 15M TO <28M		> 500M ² - < 1000M ²
C	HIGH-RISE HOTEL BUILDINGS	≥ 28M		≥ 1000M ²
	<i>FIRE SAFETY PROVISIONS</i>	<i>MINIMUM REQUIREMENTS</i>	LOW-RISE HOTEL	MEDIUM-RISE HOTEL
G	AIR-CONDITIONING & VENTILATION SYSTEM	COMPLYING WITH NFPA 90A & NFPA 90B AND OTHER RELEVANT, APPLICABLE NFPA CODES & STANDARDS	REQUIRED	REQUIRED
			HIGH RISE HOTEL	REQUIRED

Note:

*This Fire Safety Guide is prepared to determine the minimum required Fire Safety provisions for each Occupancy Type as referenced from General Directorate of Civil Defence (GDCD) adopted National Fire Protection Association (NFPA) Codes & Standards.

For further guidance, the user is referred to the NFPA Codes and Standards and the General Fire Safety Requirements - Guidelines Annexes.

**Occupancy Classification: Unless both the height and area requirements or criteria are met, the next higher classification or category SHALL apply.

®FPR*-FIRE RESISTANCE RATING ®FPR**-FIRE PROTECTION RATING ®ASS-AUTOMATIC SPRINKLER SYSTEM / AUTOMATIC SUPPRESSION SYSTEM ®SS-SMOKE-STOP LOBBY ®FF-FIRE FIGHTING LOBBY

®NP-NOT PERMITTED ®P-PERMITTED ®N/A-NOT APPLICABLE ®R-REQUIRED ®NR-NOT REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

RESIDENTIAL DEVELOPMENT: ONE AND TWO FAMILY DWELLINGS AND VILLAS

I APPLICATIONS		RESIDENTIAL DEVELOPMENT: ONE AND TWO FAMILY DWELLINGS AND VILLAS		
	VILLA UNITS / TERRACE HOUSE AND TOWN HOUSES (CONTAINING LESS THAN THREE OR MORE DWELLING UNITS)	DETACHED HOUSE OR ONE OF A GROUP OF TWO OR MORE ATTACHED RESIDENTIAL DWELLINGS WITH EACH BUILDING SEPARATED BY A FIRE-RESISTING WALL.		
II OCCUPANCY CLASSIFICATION**		BUILDING AREA AND HEIGHT REQUIREMENTS		
	DESCRIPTION	HABITABLE HEIGHT (M)	FLOOR AREA (M)	
A	RESIDENTIAL DWELLINGS AND VILLAS	NO REQUIREMENTS	NO REQUIREMENTS NR	
B	RESERVED	-	-	
C	RESERVED	-	-	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	DWELLINGS AND VILLAS	RESERVED
			RESERVED	RESERVED
III SITE ACCESS FOR FIRE FIGHTING & RESCUE AND SETBACK REQUIREMENTS				
A	SITE ACCESS & ACCESS ROAD	CLEAR WIDTH/CLEAR HEIGHT (SITE ENTRY)	4.0M / 4.5M	-
B	BUILDING SETBACKS / FIRE SEPARATION	DISTANCE FROM LOT BOUNDARY	1.50M.	-
		FIREBREAKS FROM EACH UNIT/STRUCTURES (TO THE PROPERTY LINE)	1.50M.	-
		OPENINGS WITHIN 1.50M FIREBREAKS	NOT PERMITTED	-
C	FIRE ENGINE HARDSTANDING /	6.0MX15.0M MIN. SIZE	NOT REQUIRED	-
D	FIRE ENGINE ACCESS ROADS	4.0M WIDE (24 TON LOAD CAPACITY)	18M FROM MAIN ENTRANCE OF ANY DWELLING UNIT	-
IV MEANS OF EGRESS				
A	COMPONENTS OF MEANS OF EGRESS			
1	SWING-TYPE DOORS	MINIMUM CLEAR WIDTH	710MM	-
2	STAIRS	WALL ENCLOSURES FRP	NOT REQUIRED	-
3	STANDARD STAIRS	MINIMUM CLEAR WIDTH	915MM	-
4	SPIRAL STAIRS	COMPLYING WITH NFPA 101	PERMITTED	-
5	HALLWAY/CORRIDORS	MIN. CLEAR WIDTH INTERNAL CORRIDORS	915MM	-
B	NUMBER OF EXITS			
	SINGLE EXIT	DOOR AS MAIN EXIT/S	REQUIRED	-
		SECONDARY MEANS OF ESCAPE	REQUIRED	-
	2 EXITS	EACH AREA & LEVEL/STOREYS	NOT REQUIRED	-
	STAIR/S AS MAIN EXIT/S	2 STOREYS OR MORE	REQUIRED	-
C	CAPACITY OF MEANS OF EGRESS			
1	OCCUPANT LOAD FACTOR		NO REQUIREMENTS	-



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		RESIDENTIAL DEVELOPMENT: ONE AND TWO FAMILY DWELLINGS AND VILLAS		
	VILLA UNITS / TERRACE HOUSE AND TOWN HOUSES (CONTAINING LESS THAN THREE OR MORE DWELLING UNITS)		DETACHED HOUSE OR ONE OF A GROUP OF TWO OR MORE ATTACHED RESIDENTIAL DWELLINGS WITH EACH BUILDING SEPARATED BY A FIRE-RESISTING WALL.		
II	OCCUPANCY CLASSIFICATION**		BUILDING AREA AND HEIGHT REQUIREMENTS		
	DESCRIPTION		HABITABLE HEIGHT (M)	FLOOR AREA (M)	
A	RESIDENTIAL DWELLINGS AND VILLAS		NO REQUIREMENTS	NO REQUIREMENTS NR	
B	RESERVED		-	-	
C	RESERVED		-	-	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	DWELLINGS AND VILLAS	RESERVED	RESERVED
D	ARRANGEMENT OF EXITS				
1	TRAVEL DISTANCE		NOT REQUIRED	-	-
2	COMMON PATH LIMIT		NOT REQUIRED	-	-
3	DEAD-END CORRIDOR		NOT REQUIRED	-	-
4	EXIT DISCHARGE		DIRECT EXIT DISCHARGE TO BUILDING EXTERNAL	REQUIRED	-
5	BASEMENT REQUIREMENTS		2 NUMBERS OF EXITS	REQUIRED	
			SLEEPING ROOMS / BEDROOMS	NOT PERMITTED	
6	SWIMMING POOL REQUIREMENTS		LIFEBUOY / LIFEGUARD	REQUIRED	
			FIRST AIDE KIT	REQUIRED	
E	ILLUMINATION OF EXITS		NOT REQUIRED	-	-
F	MARKINGS OF THE MEANS OF EGRESS		NOT REQUIRED	-	-
V	BUILDING CONSTRUCTION				
A	CONSTRUCTION		COMPLYING WITH CHAPTER 7 & 8 OF NFPA 5000		
1	CONSTRUCTION (NON-COMBUSTIBLE OR LIMITED COMBUSTIBLE MATERIALS)	TYPE I OR TYPE II	EXTERIOR BEARING WALLS	1-HR FRR*	-
			FRAMING, COLUMNS, BEAMS, GIRDERS, TRUSSES	1-HR FRR*	-
			FLOOR CONSTRUCTION	1-HR FRR*	-
B	COMPARTMENTATION (WALLS BETWEEN UNITS)		1-HR FRR*	-	-
VI	FIRE PROTECTION				
A	DETECTION ALARM AND COMMUNICATION SYSTEMS				
1	FIRE ALARM SYSTEM IN ALL AREAS INCLUDING BASMENTS		MANUAL (STAND ALONE)/SMOKE ALARMS (BATTERY OR WIRED)	REQUIRED	-
B	EXTINGUISHING REQUIREMENTS				
1	PORTABLE FIRE EXTINGUISHERS		REQUIRED	-	-
2	FIRE BLANKETS		IN KITCHEN/S	REQUIRED	-



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS	RESIDENTIAL DEVELOPMENT: ONE AND TWO FAMILY DWELLINGS AND VILLAS		
	VILLA UNITS / TERRACE HOUSE AND TOWN HOUSES (CONTAINING LESS THAN THREE OR MORE DWELLING UNITS)	DETACHED HOUSE OR ONE OF A GROUP OF TWO OR MORE ATTACHED RESIDENTIAL DWELLINGS WITH EACH BUILDING SEPARATED BY A FIRE-RESISTING WALL.		
II	OCCUPANCY CLASSIFICATION**	BUILDING AREA AND HEIGHT REQUIREMENTS		
	DESCRIPTION	HABITABLE HEIGHT (M)	FLOOR AREA (M)	
A	RESIDENTIAL DWELLINGS AND VILLAS	NO REQUIREMENTS	NO REQUIREMENTS NR	
B	RESERVED	-	-	
C	RESERVED	-	-	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	DWELLINGS AND VILLAS	RESERVED
3	STANDPIPE SYSTEM		NOT REQUIRED	RESERVED
4	FIRE HOSE REELS	25MM DIAMETER HOSE	NOT REQUIRED	RESERVED
5	SPRINKLER SYSTEM		NOT REQUIRED	RESERVED
C	SMOKE CONTROL AND EMERGENCY VENTILATION		NOT REQUIRED	RESERVED
D	EMERGENCY POWER SUPPLY SYSTEM		NOT REQUIRED	RESERVED
1	ENCLOSURES/FIRE BARRIERS	1-HOUR FRR* - FIRE RESISTANCE RATING	NOT APPLICABLE	RESERVED
2	OPENING PROTECTIVE/FIRE DOORS	0.5 FPR** - FIRE PROTECTION RATING	NOT APPLICABLE	RESERVED

Note:

*This Fire Safety Guide is prepared to determine the minimum required Fire Safety provisions for each Occupancy Type as referenced from General Directorate of Civil Defence (GDCC) adopted National Fire Protection Association (NFPA) Codes & Standards.

For further guidance, the user is referred to the NFPA Codes and Standards and the General Fire Safety Requirements - Guidelines Annexes.

**Occupancy Classification: Unless both the height and area requirements or criteria are met, the next higher classification or category SHALL apply.

FPR-FIRE RESISTANCE RATING *FPR**-FIRE PROTECTION RATING *ASS-AUTOMATIC SPRINKLER SYSTEM / AUTOMATIC SUPPRESSION SYSTEM *SS-SMOKE-STOP LOBBY *FF-FIRE FIGHTING LOBBY

*NP-NOT PERMITTED *P-PERMITTED *N/A-NOT APPLICABLE *R-REQUIRED *NR-NOT REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

DORMITORY AND ACCOMMODATIONS BUILDINGS

I		APPLICATIONS	DORMITORY AND ACCOMMODATIONS BUILDINGS		
		COLLEGE DORMITORIES / STUDENT HOUSING / MILITARY BARRACKS / LABOR/WORKERS & STAFF HOUSING	A BUILDING OR GROUP OF BUILDINGS THAT PROVIDES SLEEPING ACCOMMODATIONS ON A TRANSIENT OR PERMANENT BASIS WITH OR WITHOUT MEALS BUT WITHOUT SEPARATE COOKING FACILITIES FOR INDIVIDUAL OCCUPANTS		
II		OCCUPANCY CLASSIFICATION**	<i>BUILDING HEIGHT REQUIREMENTS</i>	<i>BUILDING AREA REQUIREMENTS</i>	
A	LOW-RISE DORMITORY & ACCOMMODATIONS		≤ 15M	≤ 500M ²	
B	MEDIUM-RISE DORMITORY & ACCOMMODATIONS		> 15M TO < 28M	> 500M ² - < 1000M ²	
C	HIGH-RISE DORMITORY & ACCOMMODATIONS		≥ 28M	≥ 1000M ²	
	<i>FIRE SAFETY PROVISIONS</i>	<i>MINIMUM REQUIREMENTS</i>	LOW-RISE	MEDIUM-RISE	HIGH RISE
III		BUILDING AND SITE ACCESS FOR FIRE FIGHTING & RESCUE			
A	SITE ACCESS	4.0M MINIMUM CLEAR WIDTH	REQUIRED	REQUIRED	REQUIRED
		4.5M MINIMUM CLEAR HEIGHT			
B	ACCESS ROAD	4.0M MIN. WIDTH AND 24 TON LOAD CAPACITY	REQUIRED	NOT REQUIRED	NOT REQUIRED
		WITHIN A TRAVEL DISTANCE OF 45M FROM EVERY POINT ON PROJECTED PLAN AREA OF ANY BLDG.			
C	FIRE ENGINE HARDSTANDING	LENGTH OR NUMBER BASE ON THE GROSS FLOOR AREA OF THE BUILDING	REQUIRED WHEN BUILDING HABITABLE HEIGHT EXCEEDS 10M	REQUIRED WHEN BUILDING HABITABLE HEIGHT EXCEEDS 10M	REQUIRED
		6M X 15M (MINIMUM), WITH LONGER SIDE PARALLEL TO THE FAÇADE OF THE BUILDING			
		POSITIONED SO THAT THE NEARER EDGE SHALL NOT BE LESS THAN 2M OR NOT MORE THAN 10M FROM THE CENTRE POSITION OF THE ACCESS OPENING, MEASURED HORIZONTALLY.			
D	FIRE COMMAND CENTER	HIGH-RISE BUILDING AND OTHER THAN HIGH-RISE WITH EMERGENCY VOICE COMMUNICATION SYSTEM AND/OR SMOKE CONTROL SYSTEM	NOT REQUIRED	REQUIRED. LOCATION: INSTEAD OF A DEDICATED FIRE RATED ROOM, LOBBIES OR OTHER SPACES ADJACENT TO THE MAIN ENTRANCE OF THE BUILDING WILL BE PERMITTED	REQUIRED
		9M ² MINIMUM AREA (LEAST DIMENSION 2.5M)			
		WITH 1M CLEARANCE FROM ALL EQUIPMENT			
		2-HOURS ENCLOSURES (WALLS, OPENINGS & PENETRATIONS)			
		PROVIDED WITH PROMINENTLY MARKED EXTERIOR ENTRANCES			
INSTEAD OF A DEDICATED FIRE RATED ROOM: LOBBIES OR OTHER SPACES ADJACENT TO THE MAIN ENTRANCE OF THE BUILDING					



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS	DORMITORY AND ACCOMMODATIONS BUILDINGS			
	COLLEGE DORMITORIES / STUDENT HOUSING / MILITARY BARRACKS / LABOR/WORKERS & STAFF HOUSING	A BUILDING OR GROUP OF BUILDINGS THAT PROVIDES SLEEPING ACCOMMODATIONS ON A TRANSIENT OR PERMANENT BASIS WITH OR WITHOUT MEALS BUT WITHOUT SEPARATE COOKING FACILITIES FOR INDIVIDUAL OCCUPANTS			
II	OCCUPANCY CLASSIFICATION**	<i>BUILDING HEIGHT REQUIREMENTS</i>	<i>BUILDING AREA REQUIREMENTS</i>		
A	LOW-RISE DORMITORY & ACCOMMODATIONS	≤ 15M	≤ 500M ²		
B	MEDIUM-RISE DORMITORY & ACCOMMODATIONS	> 15M TO < 28M	> 500M ² - < 1000M ²		
C	HIGH-RISE DORMITORY & ACCOMMODATIONS	≥ 28M	≥ 1000M ²		
	<i>FIRE SAFETY PROVISIONS</i>	<i>MINIMUM REQUIREMENTS</i>	LOW-RISE	MEDIUM-RISE	HIGH RISE
E	FIRE LIFT	BUILDINGS EQUAL OR MORE THAN 28.0M HIGH ABOVE ENGINE ACCESS LEVEL	NOT APPLICABLE	NOT APPLICABLE	REQUIRED
		BUILDING EXCEEDS 9.0M BELOW THE LEVEL OF EXIT DISCHARGE	REQUIRED	REQUIRED	REQUIRED
		SERVES ALL HABITABLE FLOORS	REQUIRED IN EVERY FIRE SERVICE ACCESS ELEVATOR/FIRE LIFT PROVISIONS	REQUIRED IN EVERY FIRE SERVICE ACCESS ELEVATOR/FIRE LIFT PROVISIONS	REQUIRED IN EVERY FIRE SERVICE ACCESS ELEVATOR/FIRE LIFT PROVISIONS
		CONTAINED WITHIN A DEDICATED PROTECTED SHAFT			
		APPROACHED BY FIRE FIGHTING LOBBY AT EACH STOREY			
		ADJACENT AND ACCESSIBLE TO AN EXIT STAIRCASE	REQUIRED IN EVERY FIRE SERVICE ACCESS ELEVATOR/FIRE LIFT PROVISIONS	REQUIRED IN EVERY FIRE SERVICE ACCESS ELEVATOR/FIRE LIFT PROVISIONS	REQUIRED IN EVERY FIRE SERVICE ACCESS ELEVATOR/FIRE LIFT PROVISIONS
		FIRE SERVICE ACCESS ELEVATORS/FIRE LIFT AS PER NFPA 5000 (2012 Ed.) CHAP. 54.12	NOT REQUIRED	NOT REQUIRED	REQUIRED
		AMBULANCE STRETCHER ACCOMMODATION ELEVATOR/LIFT AS PER NFPA 5000 (2012 Ed.) CHAP. 54.3	NOT REQUIRED	REQUIRED ABOVE 18.0M HABITABLE HEIGHT	TO SERVE AS THE OTHER REQUIRED FIRE SERVICE ACCESS ELEVATORS/FIRE LIFT
WHEN REQUIRED, AT LEAST ONE (1) FIRE LIFT FOR EVERY 900 SQM. FLOOR AREA	REQUIRED IN EVERY FIRE LIFT PROVISIONS	REQUIRED IN EVERY FIRE LIFT PROVISIONS	REQUIRED IN EVERY FIRE LIFT PROVISIONS		
IV	MEANS OF EGRESS				
A	MEANS OF EGRESS GENERAL REQUIREMENTS				
1	SEPARATION OF MEANS OF EGRESS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
	EXIT ACCESS CORRIDORS	SERVING AN AREA HAVING AN OCCUPANT LOAD EXCEEDING 30	1-HR FRR*	1-HR FRR*	1-HR FRR*
	EXITS	CONNECTS 3 OR FEWER STORIES	1-HR FRR*	1-HR FRR*	1-HR FRR*
		CONNECTS 4 OR MORE STORIES	2-HRS FRR*	2-HRS FRR*	2-HRS FRR*
	OPENING PROTECTIVE	FIRE DOOR ASSEMBLIES EQUIPPED WITH DOOR CLOSERS	REQUIRED	REQUIRED	REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS	DORMITORY AND ACCOMMODATIONS BUILDINGS			
	COLLEGE DORMITORIES / STUDENT HOUSING / MILITARY BARRACKS / LABOR/WORKERS & STAFF HOUSING	A BUILDING OR GROUP OF BUILDINGS THAT PROVIDES SLEEPING ACCOMMODATIONS ON A TRANSIENT OR PERMANENT BASIS WITH OR WITHOUT MEALS BUT WITHOUT SEPARATE COOKING FACILITIES FOR INDIVIDUAL OCCUPANTS			
II	OCCUPANCY CLASSIFICATION**	BUILDING HEIGHT REQUIREMENTS		BUILDING AREA REQUIREMENTS	
A	LOW-RISE DORMITORY & ACCOMMODATIONS	≤ 15M		≤ 500M ²	
B	MEDIUM-RISE DORMITORY & ACCOMMODATIONS	> 15M TO < 28M		> 500M ² - < 1000M ²	
C	HIGH-RISE DORMITORY & ACCOMMODATIONS	≥ 28M		≥ 1000M ²	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW-RISE	MEDIUM-RISE	HIGH RISE
	CONSTRUCTION	LIMITED OR NON-COMBUSTIBLE MATERIALS	REQUIRED	REQUIRED	REQUIRED
	OPENINGS AND PENETRATIONS IN EXIT ENCLOSURE	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED
2	EXITS HEADROOM	NOT LESS THAN 2285MM	REQUIRED	REQUIRED	REQUIRED
	HEADROOM ON STAIRS	NOT LESS THAN 2285MM	REQUIRED	REQUIRED	REQUIRED
3	WALKING SURFACES IN THE MEANS OF EGRESS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
4	CHANGES IN LEVEL IN THE MEANS OF EGRESS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
5	GUARDS	PROVIDED AT THE OPEN SIDES OF MEANS OF EGRESS 760MM ABOVE THE FLOOR OR FINISHED GROUND LEVEL	REQUIRED	REQUIRED	REQUIRED
6	IMPEDIMENT TO EGRESS		NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
7	MEANS OF EGRESS RELIABILITY	MAINTAINED FREE OF ALL OBSTRUCTION & IMPEDIMENTS	REQUIRED	REQUIRED	REQUIRED
	FURNISHING AND DECORATION	FURNITURES OR MOVABLE OBJECTS, MIRRORS, ETC.	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
B	MEANS OF EGRESS COMPONENTS				
1	FIRE DOORS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
	SIDE-HINGE OR PIVOTED-SWINGING TYPE	ANY DOOR ASSEMBLY IN A MEANS OF EGRESS	REQUIRED	REQUIRED	REQUIRED
		MINIMUM DOOR LEAF WIDTH	810MM	810MM	810MM
	HORIZONTAL SLIDING DOORS	COMPLYING WITH CHAPTER 7 NFPA 101	NOT PERMITTED ACROSS CORRIDORS	NOT PERMITTED ACROSS CORRIDORS	NOT PERMITTED ACROSS CORRIDORS
	VERTICAL ROLLING DOORS	COMPLYING WITH CHAPTER 7 NFPA 101	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
	REVOLVING DOORS/POWERED DOORS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED
	SELF-CLOSING DEVICES	IN ALL DOORS REQUIRED TO BE NORMALLY KEPT CLOSED	REQUIRED	REQUIRED	REQUIRED
2	STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS	DORMITORY AND ACCOMMODATIONS BUILDINGS			
	COLLEGE DORMITORIES / STUDENT HOUSING / MILITARY BARRACKS / LABOR/WORKERS & STAFF HOUSING	A BUILDING OR GROUP OF BUILDINGS THAT PROVIDES SLEEPING ACCOMMODATIONS ON A TRANSIENT OR PERMANENT BASIS WITH OR WITHOUT MEALS BUT WITHOUT SEPARATE COOKING FACILITIES FOR INDIVIDUAL OCCUPANTS			
II	OCCUPANCY CLASSIFICATION**	BUILDING HEIGHT REQUIREMENTS		BUILDING AREA REQUIREMENTS	
A	LOW-RISE DORMITORY & ACCOMMODATIONS	≤ 15M		≤ 500M ²	
B	MEDIUM-RISE DORMITORY & ACCOMMODATIONS	> 15M TO < 28M		> 500M ² - < 1000M ²	
C	HIGH-RISE DORMITORY & ACCOMMODATIONS	≥ 28M		≥ 1000M ²	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW-RISE	MEDIUM-RISE	HIGH RISE
	STANDARD STAIRS	FEWER THAN 50 PERSON (CLEAR WIDTH)	915MM	915MM	915MM
		< 2000 PERSON (CLEAR WIDTH)	1120MM	1120MM	1120MM
		≥ 2000 PERSON (CLEAR WIDTH)	1420MM	1420MM	1420MM
	SPIRAL STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	NOT PERMITTED	NOT PERMITTED
	CURVE STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
	WINDERS	COMPLYING WITH CHAPTER 7 NFPA 101	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
	GUARDS AND HANDRAILS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
	ENCLOSURE AND PROTECTION OF STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
	ENCLOSURES	ALL INSIDE STAIR SERVING AS AN EXIT COMPONENT	REQUIRED	REQUIRED	REQUIRED
		DOORS FPR**	≤3 STOREYS / ≥3 STOREYS	1-HR FPR** / 1.5-HR FPR**	1-HR FPR** / 1.5-HR FPR**
		ENCLOSURES FRR*	≤3 STOREYS / ≥3 STOREYS	1-HR FRR* / 2-HRS FRR*	1-HR FRR* / 2-HRS FRR*
	ENCLOSURE EXEMPTION	PENETRATING 1 LEVEL OR SERVING MEZZANINE ONLY	PERMITTED	PERMITTED	PERMITTED
	EXPOSURES	WALLS AND OPENINGS WITHIN 3050MM HORIZONTALLY OF AN EXTERIOR STAIRWAY ENCLOSURE	1-HR FRR*	1-HR FRR*	1-HR FRR*
	USEABLE SPACE	WITHIN EXIT ENCLOSURE	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
		UNDER STAIRS IN ACCORDANCE WITH NFPA 101	PERMITTED	PERMITTED	PERMITTED
	STAIRWAY IDENTIFICATION	SERVING 3 OR MORE STOREYS	REQUIRED	REQUIRED	REQUIRED
	EXIT STAIR PATH MARKINGS	ALL STAIR COMPONENTS	REQUIRED	REQUIRED	REQUIRED
	PERIMETER DEMARCATION MARKING	COMPLYING WITH NFPA 101	REQUIRED	REQUIRED	REQUIRED
	LOCK, LATCHES & ALARM DEVICES	COMPLYING WITH NFPA 101	PERMITTED	PERMITTED	PERMITTED
	RE-ENTRY PROVISIONS	LOCKED STAIRS EXCEEDING 4 STOREYS	NOT REQUIRED	REQUIRED	REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I		APPLICATIONS	DORMITORY AND ACCOMMODATIONS BUILDINGS		
		COLLEGE DORMITORIES / STUDENT HOUSING / MILITARY BARRACKS / LABOR/WORKERS & STAFF HOUSING	A BUILDING OR GROUP OF BUILDINGS THAT PROVIDES SLEEPING ACCOMMODATIONS ON A TRANSIENT OR PERMANENT BASIS WITH OR WITHOUT MEALS BUT WITHOUT SEPARATE COOKING FACILITIES FOR INDIVIDUAL OCCUPANTS		
II		OCCUPANCY CLASSIFICATION**	BUILDING HEIGHT REQUIREMENTS		BUILDING AREA REQUIREMENTS
A	LOW-RISE DORMITORY & ACCOMMODATIONS		≤ 15M	≤ 500M ²	
B	MEDIUM-RISE DORMITORY & ACCOMMODATIONS		> 15M TO < 28M	> 500M ² - < 1000M ²	
C	HIGH-RISE DORMITORY & ACCOMMODATIONS		≥ 28M	≥ 1000M ²	
		FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS		
			LOW-RISE	MEDIUM-RISE	HIGH RISE
3	RAMPS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED
		AS SECONDARY EXIT FOR ONE (1) BASEMENT LEVEL	PERMITTED	NOT PERMITTED	NOT PERMITTED
4	ROOF ACCESS	BUILDING EQUAL OR MORE THAN 4 STOREYS (G+3) OR ROOFS 12M ABOVE GRADE PLANE	REQUIRED	REQUIRED	REQUIRED
		WHERE OPEN STAIR/S ARE PERMITTED AND PROVIDED	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
		ONE AT EACH 9300M ² ROOF AREA OR FLAT ROOFS OR ROOF PITCH <3 IN 12	NOT APPLICABLE	NOT REQUIRED	REQUIRED
	ROOF ACCESS COMPONENTS	SMOKE VENTS (FIXED WALL OPENING/S) AT THE TOP OF THE STAIRWELL WITH A MINIMUM AREA OF 1.5M ² .	REQUIRED	NOT APPLICABLE	NOT APPLICABLE
		STAIR ACCESS TO ROOF WITH OPERABLE DOORS	REQUIRED	REQUIRED	REQUIRED
5	SMOKE PROOF ENCLOSURES	FRR* (FIRE RESISTANCE RATING)			
	STAIR ENCLOSURES	ALL INSIDE STAIR SERVING AS AN EXIT COMPONENT	REQUIRED	REQUIRED	REQUIRED
		OPEN STAIR PENETRATING ONE (1) FLOOR/LEVEL ONLY	PERMITTED	PERMITTED	PERMITTED
	FIRE FIGHTING LOBBY (F/F LOBBY)	IN EVERY FIRE LIFT PROVISIONS	REQUIRED	REQUIRED	REQUIRED
		ADJACENT AND ACCESSIBLE TO AN EXIT STAIRCASE	REQUIRED IN EVERY FIRE SERVICE ACCESS ELEVATOR/FIRE LIFT PROVISIONS	REQUIRED IN EVERY FIRE SERVICE ACCESS ELEVATOR/FIRE LIFT PROVISIONS	REQUIRED IN EVERY FIRE SERVICE ACCESS ELEVATOR/FIRE LIFT PROVISIONS
		SERVES AS A COMMON LOBBY FOR BOTH FIRE LIFT AND THE ADJACENT EXIT STAIRCASE			
		6M ² MIN. WORKING SPACE/AREA (LEAST SIDE 2.0M)			
PROVISIONS AT THE LEVEL OF EXIT DISCHARGE	NOT REQUIRED	NOT REQUIRED IF EXITS COMPLIES WITH EXIT DISCHARGE REQUIREMENTS	NOT REQUIRED IF EXITS COMPLIES WITH EXIT DISCHARGE REQUIREMENTS		



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS	DORMITORY AND ACCOMMODATIONS BUILDINGS			
	COLLEGE DORMITORIES / STUDENT HOUSING / MILITARY BARRACKS / LABOR/WORKERS & STAFF HOUSING	A BUILDING OR GROUP OF BUILDINGS THAT PROVIDES SLEEPING ACCOMMODATIONS ON A TRANSIENT OR PERMANENT BASIS WITH OR WITHOUT MEALS BUT WITHOUT SEPARATE COOKING FACILITIES FOR INDIVIDUAL OCCUPANTS			
II	OCCUPANCY CLASSIFICATION**	BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS		
A	LOW-RISE DORMITORY & ACCOMMODATIONS	≤ 15M	≤ 500M ²		
B	MEDIUM-RISE DORMITORY & ACCOMMODATIONS	> 15M TO < 28M	> 500M ² - < 1000M ²		
C	HIGH-RISE DORMITORY & ACCOMMODATIONS	≥ 28M	≥ 1000M ²		
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW-RISE	MEDIUM-RISE	HIGH RISE
	SMOKE-STOP LOBBY (S/S LOBBY)	HIGH-RISE BUILDINGS WITH HABITABLE HEIGHT HIGHER THAN 28 METERS	NOT APPLICABLE	NOT APPLICABLE	REQUIRED ON ALL FLOOR LEVELS
		BASEMENT LEVEL/S EXCEED 9.0M METERS DEPTH	REQUIRED ON ALL FLOOR LEVELS	REQUIRED ON ALL FLOOR LEVELS	REQUIRED
		BUILDING TRAVERSES MORE THAN FIVE (5) FLOOR LEVELS INCLUDING BASEMENT/S AND BELONGS TO A PLACE OF PUBLIC RESORT	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
		3M ² MIN. AREA (LEAST SIDE DIMENSION 1.8M)	NOT APPLICABLE	NOT APPLICABLE	REQUIRED
		PROVISIONS AT THE LEVEL OF EXIT DISCHARGE	NOT APPLICABLE	NOT APPLICABLE	NOT REQUIRED IF EXITS COMPLIES WITH EXIT DISCHARGE REQ'TS
	S/S & F/F LOBBY DOORS & WALL ENCLOSURES	1.5-HR FPR** FIRE PROTECTION RATING/ 2-HRS FRR* FIRE RESISTANCE RATING	NOT REQUIRED	REQUIRED	REQUIRED
6	HORIZONTAL EXITS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED
7	EXIT PASSAGEWAYS	ENCLOSURE & SEPARATION FRR	REQUIRED 1-HR FRR*	REQUIRED 1-HR FRR*	REQUIRED 1-HR FRR*
		MIN. WIDTH NOT LESS THAN ¾ OF THE EXIT STAIR WIDTH	REQUIRED	REQUIRED	REQUIRED
8	ESCALATORS & MOVING WALKS	AS PART OF THE REQUIRED MEANS OF EGRESS	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
9	FIRE ESCAPE STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED
10	FIRE ESCAPE LADDERS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	NOT PERMITTED
11	SLIDE ESCAPES	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED
12	ALTERNATING TREAD DEVICES	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	NOT PERMITTED
13	AREAS OF REFUGE	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
14	ELEVATORS	AS PART OF THE REQUIRED MEANS OF EGRESS	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
	ELEVATOR DOORS	OPENING INTO EXIT ENCLOSURES	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
C	CAPACITY OF MEANS OF EGRESS				
1	OCCUPANT LOAD	NFPA 101 TABLE 7.3.1.2 OCCUPANT LOAD FACTOR	18.6M ² /PERSON	18.6M ² /PERSON	18.6M ² /PERSON
2	EGRESS CAPACITY	NFPA 101 TABLE 7.3.3.1 CAPACITY FACTORS	REQUIRED	REQUIRED	REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS	DORMITORY AND ACCOMMODATIONS BUILDINGS			
	COLLEGE DORMITORIES / STUDENT HOUSING / MILITARY BARRACKS / LABOR/WORKERS & STAFF HOUSING	A BUILDING OR GROUP OF BUILDINGS THAT PROVIDES SLEEPING ACCOMMODATIONS ON A TRANSIENT OR PERMANENT BASIS WITH OR WITHOUT MEALS BUT WITHOUT SEPARATE COOKING FACILITIES FOR INDIVIDUAL OCCUPANTS			
II	OCCUPANCY CLASSIFICATION**	<i>BUILDING HEIGHT REQUIREMENTS</i>		<i>BUILDING AREA REQUIREMENTS</i>	
A	LOW-RISE DORMITORY & ACCOMMODATIONS	≤ 15M		≤ 500M ²	
B	MEDIUM-RISE DORMITORY & ACCOMMODATIONS	> 15M TO < 28M		> 500M ² - < 1000M ²	
C	HIGH-RISE DORMITORY & ACCOMMODATIONS	≥ 28M		≥ 1000M ²	
	<i>FIRE SAFETY PROVISIONS</i>	<i>MINIMUM REQUIREMENTS</i>	LOW-RISE	MEDIUM-RISE	HIGH RISE
D	NUMBER OF EXITS				
1	SINGLE EXIT	SERVING ALL FLOOR LEVELS	PERMITTED COMPLYING WITH ALL SINGLE EXIT CONDITIONS*	NOT PERMITTED	NOT PERMITTED
		IN MEZZANINES AND IN ANY SECTIONS WITH EXIT TRAVEL WITHIN COMMON PATH LIMIT	PERMITTED	PERMITTED	PERMITTED
		SLEEPING ROOMS HAS AN EXIT DOOR OPENING DIRECTLY TO A STREET OR YARD AT FINISHED GROUND LEVEL	PERMITTED	PERMITTED	NOT APPLICABLE
		SLEEPING ROOMS HAS DIRECT ACCESS TO AN OUTSIDE STAIR AND SERVES A MAXIMUM OF 2 UNITS BOTH OF WHICH ARE LOCATED ON THE SAME FLOOR LEVEL	PERMITTED	PERMITTED	PERMITTED
		SLEEPING ROOMS HAS DIRECT ACCESS TO AN INSIDE STAIR SERVING ONLY THAT UNIT AND SEPARATED FROM OTHER PARTS OF THE BLDG. WITH 1-HR FIRE BARRIERS	PERMITTED	PERMITTED	PERMITTED
CONDITIONS* PERMITTING SINGLE EXIT PROVISIONS (REQUIRES COMPLIANCE TO ALL STATED CONDITIONS)	1	FLOOR AREA IS EQUAL OR LESS THAN 500M ²	REQUIRED	REQUIRED	NOT APPLICABLE
	2	TRAVEL DISTANCE FROM THE ENTRANCE DOOR OF ANY SLEEPING ROOM TO AN EXIT DOES NOT EXCEED 10.7M.	REQUIRED	REQUIRED	NOT APPLICABLE
	3	EXIT STAIRWAY IS COMPLETELY ENCLOSED OR SEPARATED FROM THE REST OF THE BUILDING	REQUIRED	REQUIRED	NOT APPLICABLE
	4	STAIRWAY SERVE ONE (1) BASEMENT LEVEL ONLY	REQUIRED	PERMITTED	NOT APPLICABLE
	5	ALL OPENINGS BETWEEN THE EXIT ENCLOSURE AND THE BUILDING ARE PROTECTED WITH SELF-CLOSING DOOR ASSEMBLIES OF 1-HOUR FRR*	REQUIRED	REQUIRED	NOT APPLICABLE
	6	ALL CORRIDORS SERVING AS ACCESS TO EXITS HAVE A MINIMUM OF 1-HOUR FRR*	REQUIRED	REQUIRED	NOT APPLICABLE



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I		APPLICATIONS		DORMITORY AND ACCOMMODATIONS BUILDINGS						
		COLLEGE DORMITORIES / STUDENT HOUSING / MILITARY BARRACKS / LABOR/WORKERS & STAFF HOUSING		A BUILDING OR GROUP OF BUILDINGS THAT PROVIDES SLEEPING ACCOMMODATIONS ON A TRANSIENT OR PERMANENT BASIS WITH OR WITHOUT MEALS BUT WITHOUT SEPARATE COOKING FACILITIES FOR INDIVIDUAL OCCUPANTS						
II		OCCUPANCY CLASSIFICATION**		BUILDING HEIGHT REQUIREMENTS			BUILDING AREA REQUIREMENTS			
A		LOW-RISE DORMITORY & ACCOMMODATIONS		≤ 15M			≤ 500M ²			
B		MEDIUM-RISE DORMITORY & ACCOMMODATIONS		> 15M TO < 28M			> 500M ² - < 1000M ²			
C		HIGH-RISE DORMITORY & ACCOMMODATIONS		≥ 28M			≥ 1000M ²			
		FIRE SAFETY PROVISIONS		MINIMUM REQUIREMENTS		LOW-RISE	MEDIUM-RISE		HIGH RISE	
CONDITIONS* PERMITTING SINGLE EXIT PROVISIONS (REQUIRES COMPLIANCE TO ALL STATED CONDITIONS)		7	HORIZONTAL AND VERTICAL SEPARATION OF 1.0-HR FRR* IS PROVIDED BETWEEN SLEEPING ROOMS	REQUIRED		REQUIRED		NOT APPLICABLE		
		8	PROVIDED WITH SMOKE VENTS (FIXED WALL OPENING/S) AT THE TOP OF THE STAIRWELL WITH A MINIMUM AREA OF 1.5M ² .	REQUIRED		NOT APPLICABLE		NOT APPLICABLE		
		9	EXIT STAIR THAT TRAVERSES MORE THAN 5 STORIES INCLUDING BASEMENTS ARE PRESSURIZED.	NOT APPLICABLE		REQUIRED		REQUIRED		
2	NOT LESS THAN 2 SEPARATE EXITS / EXIT ACCESS DOORS		SLEEPING ROOMS EXCEEDING 185M ²	REQUIRED		REQUIRED		REQUIRED		
			50 - 500 OCCUPANTS	REQUIRED		REQUIRED		REQUIRED		
			ON EVERY STORY AND ACCESSIBLE FROM EVERY PART OF EVERY STORY	REQUIRED		REQUIRED		REQUIRED		
3	NOT LESS THAN 3 SEPARATE EXITS		EQUAL OR MORE THAN 500 OCCUPANTS	REQUIRED		REQUIRED		REQUIRED		
4	NOT LESS THAN 4 SEPARATE EXITS		EQUAL OR MORE THAN 1000 OCCUPANTS	REQUIRED		REQUIRED		REQUIRED		
E	ARRANGEMENT OF EXITS		(NS*NOT SPRINKLERED / S*SPRINKLERED)	NS*	S**	NS*	S**	NS*	S**	
1	TRAVEL DISTANCE		NFPA 101 TABLE A.7.6	TOTAL TRAVEL DISTANCES PERMITTED	53M	99M	53M	99M	53M	99M
				WITHIN A SLEEPING ROOM TO A CORRIDOR DOOR	23M	38M	23M	38M	23M	38M
				FROM THE CORRIDOR DOOR OF ANY SLEEPING ROOM TO THE NEAREST EXIT	30M	61M	30M	61M	30M	61M
				FROM A SLEEPING ROOM ENTRANCE DOOR TO THE NEAREST EXIT FOR EXTERIOR WAYS OF EXIT ACCESS	61M	61M	61M	61M	61M	61M
2	COMMON PATH LIMIT		NFPA 101 TABLE A.7.6	10.7M	15M	10.7M	15M	10.7M	15M	
3	DEAD-END CORRIDOR		NFPA 101 TABLE A.7.6	10.7M	15M	10.7M	15M	10.7M	15M	



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS	DORMITORY AND ACCOMMODATIONS BUILDINGS			
	COLLEGE DORMITORIES / STUDENT HOUSING / MILITARY BARRACKS / LABOR/WORKERS & STAFF HOUSING	A BUILDING OR GROUP OF BUILDINGS THAT PROVIDES SLEEPING ACCOMMODATIONS ON A TRANSIENT OR PERMANENT BASIS WITH OR WITHOUT MEALS BUT WITHOUT SEPARATE COOKING FACILITIES FOR INDIVIDUAL OCCUPANTS			
II	OCCUPANCY CLASSIFICATION**	BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS		
A	LOW-RISE DORMITORY & ACCOMMODATIONS	≤ 15M	≤ 500M ²		
B	MEDIUM-RISE DORMITORY & ACCOMMODATIONS	> 15M TO < 28M	> 500M ² - < 1000M ²		
C	HIGH-RISE DORMITORY & ACCOMMODATIONS	≥ 28M	≥ 1000M ²		
	<i>FIRE SAFETY PROVISIONS</i>	<i>MINIMUM REQUIREMENTS</i>	<i>LOW-RISE</i>	<i>MEDIUM-RISE</i>	<i>HIGH RISE</i>
4	EXIT DISCHARGE				
	EXTERIOR DISCHARGE	COMPLYING WITH NFPA 101	REQUIRED	REQUIRED	REQUIRED
	THROUGH AREAS ON LEVEL OF EXIT DISCHARGE	MAX 10M TRAVEL DISTANCE TO BLDG. EXTERNAL	PERMITTED	PERMITTED	PERMITTED
		50% OF THE REQUIRED NUMBER OF EXITS & 50% OF THE REQUIRED EXIT CAPACITY (SPRINKLER PROTECTED)	PERMITTED	PERMITTED	PERMITTED
5	EXTERIOR WAYS OF EXIT	COMPLYING WITH NFPA 101	PERMITTED	PERMITTED	PERMITTED
6	ACCESSIBLE MEANS OF EGRESS	EXIT PROVISIONS FOR PEOPLE WITH SEVERE MOBILITY IMPAIRMENT (NOT LESS THAN 2 EXITS REQUIRED)	REQUIRED	REQUIRED	REQUIRED
7	ILLUMINATION OF MEANS OF EGRESS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
8	EMERGENCY LIGHTING	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
9	MARKINGS OF MEANS OF EGRESS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
F	SPECIAL MEANS OF EGRESS PROVISIONS				
1	FIREMEN ACCESS PANELS	HABITABLE HEIGHT EXCEEDING 10M	REQUIRED	REQUIRED	REQUIRED
2	REFUGE FLOORS	BUILDING EXCEEDING 30 STORIES	NOT APPLICABLE	NOT APPLICABLE	REQUIRED
3	ELEVATORS FOR OCCUPANT CONTROLLED EVACUATION PRIOR TO PHASE I EMERGENCY RECALL OPERATIONS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED
V	INTERIOR FINISH CONTENTS AND FURNISHING				
A	INTERIOR FINISH	COMPLYING WITH CHAPTER 10 OF NFPA 101	REQUIRED	REQUIRED	REQUIRED
1	INTERIOR WALL & CEILING FINISHES	EXIT ENCLOSURES	CLASS A	CLASS A	CLASS A
		LOBBIES & CORRIDORS	CLASS A OR CLASS B	CLASS A OR CLASS B	CLASS A OR CLASS B
		OTHER SPACES	CLASS A, CLASS B OR CLASS C	CLASS A, CLASS B OR CLASS C	CLASS A, CLASS B OR CLASS C
2	INTERIOR FLOOR FINISHES	EXIT ENCLOSURES, EXIT ACCESS CORRIDORS AND SPACES NOT SEPARATED FROM THEM	CLASS II	CLASS II	CLASS II



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		DORMITORY AND ACCOMMODATIONS BUILDINGS		
	COLLEGE DORMITORIES / STUDENT HOUSING / MILITARY BARRACKS / LABOR/WORKERS & STAFF HOUSING		A BUILDING OR GROUP OF BUILDINGS THAT PROVIDES SLEEPING ACCOMMODATIONS ON A TRANSIENT OR PERMANENT BASIS WITH OR WITHOUT MEALS BUT WITHOUT SEPARATE COOKING FACILITIES FOR INDIVIDUAL OCCUPANTS		
II	OCCUPANCY CLASSIFICATION**		BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS	
A	LOW-RISE DORMITORY & ACCOMMODATIONS		≤ 15M	≤ 500M ²	
B	MEDIUM-RISE DORMITORY & ACCOMMODATIONS		> 15M TO < 28M	> 500M ² - < 1000M ²	
C	HIGH-RISE DORMITORY & ACCOMMODATIONS		≥ 28M	≥ 1000M ²	
	FIRE SAFETY PROVISIONS		MINIMUM REQUIREMENTS		
			LOW-RISE	MEDIUM-RISE	HIGH RISE
VI	FEATURES OF FIRE PROTECTION (NFPA 5000 TABLES 7.2.1.1, 7.3.2.1, 7.3.5 (a), (b), 7.3.5.5, 7.4.1)				
A	CONSTRUCTION		COMPLYING WITH CHAPTER 7 & 8 OF NFPA 5000		
1	CONSTRUCTION (NON-COMBUSTIBLE OR LIMITED COMBUSTIBLE MATERIALS)	TYPE I OR TYPE II	COMPLYING WITH CHAPTER 7 & 8 OF NFPA 5000		
			EXTERIOR BEARING WALLS		
			FRAMING, COLUMNS, BEAMS, GIRDERS, TRUSSES		
			FLOOR CONSTRUCTION		
B	COMPARTMENTATION / SUBDIVISION OF BUILDING SPACES		COMPLYING WITH NFPA 101 & NFPA 5000		
1	FIRE BARRIERS		COMPLYING WITH NFPA 101 & NFPA 5000		
	SEPARATION BETWEEN SLEEPING ROOMS		SPRINKLERED		
			0.5-HR FRR*		
2	SEPARATION FROM OTHER OCCUPANCIES		COMPLYING WITH NFPA 101 TABLE 6.1.14.4.1 (a), (b)		
			REQUIRED		
3	CORRIDORS RATED SEPARATION		COMPLYING WITH NFPA 101.28 & 29		
	REQUIRED SEPARATION		SPRINKLERED (S) / NOT SPRINKLERED (NS)		
			0.5-HR FRR* / 1-HR FRR*		
	DOORS		OPENING ONTO EXIT ACCESS CORRIDORS (S/NS)		
			20-MINS FPR** / 45-MINS FPR**		
4	SMOKE PARTITIONS		COMPLYING WITH NFPA 101 & NFPA 5000		
			NOT REQUIRED		
5	SMOKE BARRIERS		COMPLYING WITH NFPA 101 & NFPA 5000		
			NOT REQUIRED		
C	VERTICAL OPENINGS PROTECTION		PROTECTION COMPLYING WITH NFPA CODES		
1	COMMUNICATING SPACES		COMPLYING WITH CHAPTER 8 NFPA 101		
			PERMITTED		
2	ATRIUMS		COMPLYING WITH CHAPTER 8 NFPA 101		
			PERMITTED		
3	CONVENIENCE OPENINGS		COMPLYING WITH CHAPTER 8 NFPA 101		
			PERMITTED		
4	SHAFTS		COMPLYING WITH CHAPTER 8 NFPA 101		
			PERMITTED		
5	MEZZANINES		COMPLYING WITH CHAPTER 8 NFPA 101		
			PERMITTED		
6	CONCEALED SPACES & DRAFSTOPS		COMPLYING WITH CHAPTER 8 NFPA 101		
			REQUIRED		
	EXTERIOR & INTERIOR WALL & PARTITION		FIRESTOPPED AT EACH FLOOR LEVEL, TOP STORY CEILING LEVEL & AT THE LEVEL OF SUPPORT FOR ROOFS		
			REQUIRED		



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS	DORMITORY AND ACCOMMODATIONS BUILDINGS			
	COLLEGE DORMITORIES / STUDENT HOUSING / MILITARY BARRACKS / LABOR/WORKERS & STAFF HOUSING	A BUILDING OR GROUP OF BUILDINGS THAT PROVIDES SLEEPING ACCOMMODATIONS ON A TRANSIENT OR PERMANENT BASIS WITH OR WITHOUT MEALS BUT WITHOUT SEPARATE COOKING FACILITIES FOR INDIVIDUAL OCCUPANTS			
II	OCCUPANCY CLASSIFICATION**	BUILDING HEIGHT REQUIREMENTS		BUILDING AREA REQUIREMENTS	
A	LOW-RISE DORMITORY & ACCOMMODATIONS	≤ 15M		≤ 500M ²	
B	MEDIUM-RISE DORMITORY & ACCOMMODATIONS	> 15M TO < 28M		> 500M ² - < 1000M ²	
C	HIGH-RISE DORMITORY & ACCOMMODATIONS	≥ 28M		≥ 1000M ²	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW-RISE	MEDIUM-RISE	HIGH RISE
	UNOCCUPIED ATTIC SPACES	DRAFSTOP INTO AREAS NOT EXCEEDING 280M ²	REQUIRED	REQUIRED	REQUIRED
	CONCEALED SPACES (CEILINGS & FLOORS)	DRAFSTOP INTO AREAS NOT EXCEEDING 93M ²	REQUIRED	REQUIRED	REQUIRED
	CONCEALED SPACES (FLOORS & ROOFS)	DRAFSTOP INTO AREAS NOT EXCEEDING 280M ²	REQUIRED	REQUIRED	REQUIRED
D	HAZARDOUS AREA PROTECTION	COMPLYING WITH TABLE 28.3.2.2.2 OF NFPA 101	REQUIRED	REQUIRED	REQUIRED
1	BOILER ROOM & FUEL-FIRE HEATER ROOM SERVING MORE THAN A SINGLE SLEEPING ROOM	SEPARATION AND PROTECTION REQUIRED	2-HRS FRR* AND SPRINKLERS	1-HR FRR* AND SPRINKLERS	1-HR FRR* AND SPRINKLERS
2	EMPLOYEE LOCKER ROOMS	SEPARATION AND PROTECTION REQUIRED	1-HR FRR* OR SPRINKLERS	1-HR FRR* OR SPRINKLERS	1-HR FRR* OR SPRINKLERS
3	BULK LAUNDRIES	SEPARATION AND PROTECTION REQUIRED	1-HR FRR* AND SPRINKLERS	1-HR FRR* AND SPRINKLERS	1-HR FRR* AND SPRINKLERS
4	MAINTENANCE SHOPS	SEPARATION AND PROTECTION REQUIRED	1-HR FRR* AND SPRINKLERS	1-HR FRR* AND SPRINKLERS	1-HR FRR* AND SPRINKLERS
5	STORAGE ROOMS	SEPARATION AND PROTECTION REQUIRED	1-HR FRR* OR SPRINKLERS	1-HR FRR* OR SPRINKLERS	1-HR FRR* OR SPRINKLERS
6	TRASH COLLECTION ROOMS	SEPARATION AND PROTECTION REQUIRED	1-HR FRR* AND SPRINKLERS	1-HR FRR* AND SPRINKLERS	1-HR FRR* AND SPRINKLERS
VII	FIRE PROTECTION (FRR* FIRE RESISTANCE RATING / FPR** FIRE PROTECTION RATING)				
A	DETECTION ALARM AND COMMUNICATION SYSTEMS				
1	FIRE ALARM SYSTEM	COMPLYING WITH NFPA 72	REQUIRED	REQUIRED	REQUIRED
B	EXTINGUISHING REQUIREMENTS	COMPLYING TO INDIVIDUAL CODES & STANDARDS	REQUIRED	REQUIRED	REQUIRED
1	PORTABLE FIRE EXTINGUISHERS	TYPE AND RATING IN ACCORDANCE WITH NFPA 10	REQUIRED	REQUIRED	REQUIRED
2	FIRE BLANKETS	IN KITCHEN OR PANTRY	REQUIRED	REQUIRED	REQUIRED
3	STANDPIPE SYSTEM	BUILDING EXCEEDING 9M IN HEIGHT	EXCEEDING 9M IN HEIGHT	REQUIRED	REQUIRED
4	FIRE HOSE REELS	25MM DIAMETER HOSE	REQUIRED	REQUIRED	REQUIRED
5	AUTOMATIC SPRINKLER SYSTEM	THROUGHOUT PROTECTION (ALL FLOOR LEVELS)	NOT REQUIRED	REQUIRED	REQUIRED
		IN BASEMENTS IRREGARDLESS OF USAGE	REQUIRED	REQUIRED	REQUIRED
		ACCOMMODATIONS OF NOT MORE THAN 2 STORIES & FLOOR AREA NOT EXCEEDING 1115M ² , PROVIDED WITH NOT LESS THAN 2-EXITS COMPLYING WITH EXIT DISCHARGE REQ'TS.	NOT APPLICABLE	PERMITTED	NOT APPLICABLE



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS	DORMITORY AND ACCOMMODATIONS BUILDINGS			
	COLLEGE DORMITORIES / STUDENT HOUSING / MILITARY BARRACKS / LABOR/WORKERS & STAFF HOUSING	A BUILDING OR GROUP OF BUILDINGS THAT PROVIDES SLEEPING ACCOMMODATIONS ON A TRANSIENT OR PERMANENT BASIS WITH OR WITHOUT MEALS BUT WITHOUT SEPARATE COOKING FACILITIES FOR INDIVIDUAL OCCUPANTS			
II	OCCUPANCY CLASSIFICATION**	BUILDING HEIGHT REQUIREMENTS		BUILDING AREA REQUIREMENTS	
A	LOW-RISE DORMITORY & ACCOMMODATIONS	≤ 15M		≤ 500M ²	
B	MEDIUM-RISE DORMITORY & ACCOMMODATIONS	> 15M TO < 28M		> 500M ² - < 1000M ²	
C	HIGH-RISE DORMITORY & ACCOMMODATIONS	≥ 28M		≥ 1000M ²	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW-RISE	MEDIUM-RISE	HIGH RISE
5	AUTOMATIC SPRINKLER SYSTEM	SLEEPING ROOMS HAVING A DOOR OPENING DIRECTLY OUTSIDE AT THE STREET LEVEL	PERMITTED	NOT APPLICABLE	NOT APPLICABLE
		SLEEPING ROOMS HAVING AN EXTERIOR ACCESS COMPLYING WITH CHAPTER 7 OF NFPA 101	PERMITTED	NOT APPLICABLE	NOT APPLICABLE
6	OTHER EXTINGUISHING EQUIPMENT	PROVIDED IN LIEU OF THE REQUIRED DRAFSTOPS IN CONCEALED SPACES	PERMITTED	PERMITTED	PERMITTED
VIII	BUILDING SERVICES PROTECTION (ASS* AUTOMATIC SUPPRESSION SYSTEM)				
A	BUILDING UTILITIES	COMPLYING WITH CHAPTER 9 NFPA 101			
1	GAS EQUIPMENT & RELATED PIPING	PROTECTION AS PER NFPA 54 & NFPA 58	REQUIRED	REQUIRED	REQUIRED
2	ELECTRICAL SYSTEMS	COMPLYING WITH NFPA 70	REQUIRED	REQUIRED	REQUIRED
	ELECTRICAL EQUIPMENT ROOMS	AUTOMATIC SUPPRESSION SYSTEM or 2-HRS ENCLOSURE	REQUIRED	REQUIRED	REQUIRED
	SUBSTATIONS & SWITCHGEARS	ATTACHED TO OCCUPIED BUILDINGS REQUIRED PROTECTION	3-HRS FRR* or ASS*	3-HRS FRR* or ASS*	3-HRS FRR* or ASS*
		STAND ALONE TRANSFORMER VAULT REQUIRED PROTECTION	3-HRS FRR* or 2-HRS FRR*with ASS	3-HRS FRR* or 2-HRS FRR*with ASS	3-HRS FRR* or 2-HRS FRR*with ASS
		EXPLOSION PROTECTION	ASS* & 2-HRS FRR* ENCLOSURE	ASS* & 2-HRS FRR* ENCLOSURE	ASS* & 2-HRS FRR* ENCLOSURE
3	COMMERCIAL COOKING EQUIPMENT	COMPLYING WITH NFPA 96	REQUIRED WHEN PROVIDED	REQUIRED WHEN PROVIDED	REQUIRED WHEN PROVIDED
	KITCHEN/PANTRY	ENCLOSURE FRP*	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED
	COOKING EQUIPMENT	EQUIPMENT USED ONLY FOR FOOD WARMING	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
4	ELEVATORS, ESCALATORS & CONVEYORS	COMPLYING WITH ASME A17.1/CSA B44	REQUIRED	REQUIRED	REQUIRED
	FIRE FIGHTERS' EMERGENCY OPERATION	COMPLYING WITH CHAPTER 9 NFPA 101 & ASME A17.1/CSA B44	REQUIRED	REQUIRED	REQUIRED
B	INCINERATORS, RUBBISH & LAUNDRY CHUTES	COMPLYING WITH NFPA 82	REQUIRED	REQUIRED	REQUIRED
	ENCLOSURES	TRAVERSES EQUAL OR LESS THAN 3 STOREYS	1-HR FRR*	1-HR FRR*	1-HR FRR*
		TRAVERSES MORE THAN 3 STOREYS	2-HRS FRR*	2-HRS FRR*	2-HRS FRR*



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS	DORMITORY AND ACCOMMODATIONS BUILDINGS			
	COLLEGE DORMITORIES / STUDENT HOUSING / MILITARY BARRACKS / LABOR/WORKERS & STAFF HOUSING	A BUILDING OR GROUP OF BUILDINGS THAT PROVIDES SLEEPING ACCOMMODATIONS ON A TRANSIENT OR PERMANENT BASIS WITH OR WITHOUT MEALS BUT WITHOUT SEPARATE COOKING FACILITIES FOR INDIVIDUAL OCCUPANTS			
II	OCCUPANCY CLASSIFICATION**	<i>BUILDING HEIGHT REQUIREMENTS</i>		<i>BUILDING AREA REQUIREMENTS</i>	
A	LOW-RISE DORMITORY & ACCOMMODATIONS	≤ 15M		≤ 500M ²	
B	MEDIUM-RISE DORMITORY & ACCOMMODATIONS	> 15M TO < 28M		> 500M ² - < 1000M ²	
C	HIGH-RISE DORMITORY & ACCOMMODATIONS	≥ 28M		≥ 1000M ²	
	<i>FIRE SAFETY PROVISIONS</i>	<i>MINIMUM REQUIREMENTS</i>	LOW-RISE	MEDIUM-RISE	HIGH RISE
	OPENING PROTECTIVE	TRAVERSES EQUAL OR LESS THAN 3 STOREYS	1-HR FPR**	1-HR FPR**	1-HR FPR**
		TRAVERSES MORE THAN 3 STOREYS	1.5-HR FPR**	1.5-HR FPR**	1.5-HR FPR**
C	EMERGENCY POWER SUPPLY SYSTEM	COMPLYING WITH NFPA 110	NOT REQUIRED	NOT REQUIRED	REQUIRED
1	GENERATORS	ENCLOSURE	1-HR FRR*	1-HR FRR*	1-HR FRR*
D	FIRE PUMP ROOM	COMPLYING WITH NFPA 20	REQUIRED	REQUIRED	REQUIRED
1	ENCLOSURES	MORE THAN 15.3 M FROM ANY BUILDING	1-HR FRR*	1-HR FRR*	1-HR FRR*
		WITHIN 15.3M OR ATTACHED TO BUILDINGS	2-HRS FRR*	2-HRS FRR*	2-HRS FRR*
		THROUGHOUT SPRINKLER (BUILDING/S & PUMP ROOM)	1-HR FRR*	1-HR FRR*	1-HR FRR*
2	DIRECT SAFE ACCESS	EXTERNAL ACCESS WITHIN THE LEVEL OF DISCHARGE (GROUND FLOOR)	REQUIRED	REQUIRED	REQUIRED
		WITHIN 3M FROM ANY EXIT THAT COMPLIES WITH DIRECT DISCHARGE REQUIREMENTS	PERMITTED	PERMITTED	PERMITTED
3	ACCESS COMPONENT (UNDERGROUND LOCATION)	STANDARD TYPE STAIR (OF ANY NON-COMBUSTIBLE MATERIAL)	REQUIRED	REQUIRED	REQUIRED
		CAT STEEL LADDER	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
E	FIRE WATER TANKS	COMPLYING WITH NFPA 22	REQUIRED	REQUIRED	REQUIRED
	WATER TANK MATERIALS	NON-COMBUSTIBLE MATERIAL	REQUIRED	REQUIRED	REQUIRED
		GRP TANKS (WITHIN 1-HR FIRE RATED ENCLOSURE)	PERMITTED	PERMITTED	PERMITTED
	DESIGN/COMPARTMENTATION	TWO (2) COMPARTMENTS	REQUIRED	REQUIRED	REQUIRED
F	SMOKE CONTROL / EMERGENCY VENTILATION	COMPLYING WITH NFPA 92 & NFPA 204	NOT REQUIRED	REQUIRED	REQUIRED
	VENTILATION BY ANY OF THE FOLLOWING: a. NATURAL VENTILATION; b. MECHANICAL VENTILATION BY POSITIVE VENTILATION (PRESSURIZATION) SYSTEM	EXIT STAIRCASES CONNECTS MORE THAN FIVE (5) STOREYS (LEVELS) INCLUDING BASEMENT/S	NOT APPLICABLE	REQUIRED	REQUIRED
		AND/OR WHEN SMOKE-STOP &/OR FIRE FIGHTING LOBBIES ARE REQUIRED	NOT APPLICABLE	NOT APPLICABLE	REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS	DORMITORY AND ACCOMMODATIONS BUILDINGS			
	COLLEGE DORMITORIES / STUDENT HOUSING / MILITARY BARRACKS / LABOR/WORKERS & STAFF HOUSING	A BUILDING OR GROUP OF BUILDINGS THAT PROVIDES SLEEPING ACCOMMODATIONS ON A TRANSIENT OR PERMANENT BASIS WITH OR WITHOUT MEALS BUT WITHOUT SEPARATE COOKING FACILITIES FOR INDIVIDUAL OCCUPANTS			
II	OCCUPANCY CLASSIFICATION**	<i>BUILDING HEIGHT REQUIREMENTS</i>	<i>BUILDING AREA REQUIREMENTS</i>		
A	LOW-RISE DORMITORY & ACCOMMODATIONS	≤ 15M	≤ 500M ²		
B	MEDIUM-RISE DORMITORY & ACCOMMODATIONS	> 15M TO < 28M	> 500M ² - < 1000M ²		
C	HIGH-RISE DORMITORY & ACCOMMODATIONS	≥ 28M	≥ 1000M ²		
	<i>FIRE SAFETY PROVISIONS</i>	<i>MINIMUM REQUIREMENTS</i>	LOW-RISE	MEDIUM-RISE	HIGH RISE
	VENTILATION / SMOKE CONTROL SYSTEM BY ANY OF THE FOLLOWING: a. NATURAL VENTILATION; b. MECHANICAL VENTILATION & SMOKE CONTROL SYSTEM	BASEMENT LEVEL/S WITH FLOOR AREA (FA) EXCEEDING 500 SQ.M.	NOT APPLICABLE	REQUIRED	REQUIRED
		VERTICAL OPENINGS, ATRIUMS & OTHER LARGE VOLUME OF SPACES	REQUIRED	REQUIRED	REQUIRED
G	AIR-CONDITIONING & VENTILATION SYSTEM	COMPLYING WITH NFPA 90A & NFPA 90B AND OTHER RELEVANT, APPLICABLE NFPA CODES & STANDARDS	REQUIRED	REQUIRED	REQUIRED

Note:

*This Fire Safety Guide is prepared to determine the minimum required Fire Safety provisions for each Occupancy Type as referenced from General Directorate of Civil Defence (GDCC) adopted National Fire Protection Association (NFPA) Codes & Standards.

For further guidance, the user is referred to the NFPA Codes and Standards and the General Fire Safety Requirements - Guidelines Annexes.

**Occupancy Classification: Unless both the height and area requirements or criteria are met, the next higher classification or category SHALL apply.

®FPR*-FIRE RESISTANCE RATING ®FPR**-FIRE PROTECTION RATING ®ASS-AUTOMATIC SPRINKLER SYSTEM / AUTOMATIC SUPPRESSION SYSTEM ®SS-SMOKE-STOP LOBBY ®FF-FIRE FIGHTING LOBBY

®NP-NOT PERMITTED ®P-PERMITTED ®N/A-NOT APPLICABLE ®R-REQUIRED ®NR-NOT REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

BUSINESS OCCUPANCIES

I		APPLICATIONS	BUSINESS OCCUPANCIES			
		GENERAL OFFICES / CITY/MUNICIPAL HALLS/ COURTHOUSES / DOCTORS/DENTIST OFFICES / MEETING ROOMS [<50 SEATING CAPACITY] / BARBER SHOPS/SALONS / SERVICE FACILITIES (NEWSSTAND, LUNCH COUNTERS) < 50 PERSONS / CLASSROOM/INSTRUCTIONAL LABORATORIES < 50 SEATING CAPACITY / BIRTH CENTERS/AMBULATORY OUT-PATIENT CLINICS < 4 PATIENTS	OCCUPANCY USED FOR TRANSACTION OF BUSINESS OTHER THAN MERCANTILE			
II		OCCUPANCY CLASSIFICATION**	BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS		
A	LOW-RISE BUSINESS OCCUPANCY		≤ 15M	≤ 500M ²		
B	MEDIUM-RISE BUSINESS OCCUPANCY		TYPE A - MEDIUM-RISE BUSINESS OCCUPANCY	> 15M TO ≤ 18M	> 500M ² - < 1000M ²	
			TYPE B - MEDIUM-RISE BUSINESS OCCUPANCY	> 18M TO < 28M	≥ 1000M ²	
C	HIGH-RISE BUSINESS OCCUPANCY		≥ 28M	UL-UNLIMITED		
		FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW-RISE OFFICES	MEDIUM-RISE OFFICES TYPE A TYPE B	HIGH RISE OFFICES
III		BUILDING AND SITE ACCESS FOR FIRE FIGHTING & RESCUE				
A	SITE ACCESS	4.0M MINIMUM CLEAR WIDTH	REQUIRED	REQUIRED	REQUIRED	
		4.5M MINIMUM CLEAR HEIGHT				
B	ACCESS ROAD	4.0M MIN. WIDTH AND 24 TON LOAD CAPACITY	REQUIRED	NOT REQUIRED	NOT REQUIRED	
		WITHIN A TRAVEL DISTANCE OF 45M FROM EVERY POINT ON PROJECTED PLAN AREA OF ANY BUILDING.				
C	FIRE ENGINE HARDSTANDING	LENGTH OR NUMBER BASE ON THE GROSS FLOOR AREA OF THE BUILDING	REQUIRED WHEN BUILDING HABITABLE HEIGHT EXCEEDS 10M	REQUIRED	REQUIRED	
		6M X 15M (MINIMUM), WITH LONGER SIDE PARALLEL TO THE FAÇADE OF THE BUILDING				
		POSITIONED SO THAT THE NEARER EDGE SHALL NOT BE LESS THAN 2M OR NOT MORE THAN 10M FROM THE CENTRE POSITION OF THE ACCESS OPENING, MEASURED HORIZONTALLY.				
D	FIRE COMMAND CENTER	HIGH-RISE BUILDING AND OTHER THAN HIGH-RISE WITH EMERGENCY VOICE COMMUNICATION SYSTEM AND/OR SMOKE CONTROL SYSTEM	NOT REQUIRED	REQUIRED IN EITHER PROVISIONS OF AN EMERGENCY VOICE COMMUNICATION SYSTEM AND/OR SMOKE CONTROL SYSTEM	REQUIRED	
		9M ² MINIMUM AREA (LEAST DIMENSION 2.5M)				
		AT LEAST WITH 1M CLEARANCE FROM ALL EQUIPMENT				



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I		APPLICATIONS	BUSINESS OCCUPANCIES			
		GENERAL OFFICES / CITY/MUNICIPAL HALLS/ COURTHOUSES / DOCTORS/DENTIST OFFICES / MEETING ROOMS [<50 SEATING CAPACITY] / BARBER SHOPS/SALONS / SERVICE FACILITIES (NEWSSTAND, LUNCH COUNTERS) < 50 PERSONS / CLASSROOM/INSTRUCTIONAL LABORATORIES < 50 SEATING CAPACITY / BIRTH CENTERS/AMBULATORY OUT-PATIENT CLINICS < 4 PATIENTS	OCCUPANCY USED FOR TRANSACTION OF BUSINESS OTHER THAN MERCANTILE			
II		OCCUPANCY CLASSIFICATION**	BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS		
A	LOW-RISE BUSINESS OCCUPANCY		≤ 15M	≤ 500M ²		
B	MEDIUM-RISE BUSINESS OCCUPANCY	TYPE A - MEDIUM-RISE BUSINESS OCCUPANCY	> 15M TO ≤ 18M	> 500M ² - < 1000M ²		
		TYPE B - MEDIUM-RISE BUSINESS OCCUPANCY	> 18M TO < 28M	≥ 1000M ²		
C	HIGH-RISE BUSINESS OCCUPANCY		≥ 28M	UL-UNLIMITED		
		FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW-RISE OFFICES	MEDIUM-RISE OFFICES TYPE A TYPE B	HIGH RISE OFFICES
D	FIRE COMMAND CENTER	2-HOURS ENCLOSURES (WALLS, OPENINGS & PENETRATIONS)	NOT REQUIRED	REQUIRED IN EITHER PROVISIONS OF AN EMERGENCY VOICE COMMUNICATION SYSTEM AND/OR SMOKE CONTROL SYSTEM		REQUIRED
		PROVIDED WITH PROMINENTLY MARKED EXTERIOR ENTRANCES				
		INSTEAD OF A DEDICATED FIRE RATED ROOM: LOBBIES OR OTHER SPACES ADJACENT TO THE MAIN ENTRANCE OF THE BUILDING	NOT APPLICABLE	PERMITTED		NOT PERMITTED
E	FIRE LIFT	BUILDINGS EQUAL OR MORE THAN 28.0M HIGH ABOVE FIRE ENGINE ACCESS LEVEL	NOT APPLICABLE	NOT APPLICABLE		REQUIRED
		BUILDINGS EXCEEDS 9.0M BELOW THE LEVEL OF EXIT DISCHARGE	REQUIRED	REQUIRED		REQUIRED
		SERVES ALL HABITABLE FLOORS				
		CONTAINED WITHIN A DEDICATED PROTECTED SHAFT	REQUIRED IN EVERY FIRE SERVICE ACCESS ELEVATOR/FIRE LIFT PROVISIONS	REQUIRED IN EVERY FIRE SERVICE ACCESS ELEVATOR/FIRE LIFT PROVISIONS		REQUIRED IN EVERY FIRE SERVICE ACCESS ELEVATOR/FIRE LIFT PROVISIONS
		APPROACHED BY FIRE FIGHTING LOBBY AT EACH STOREY				
		ADJACENT AND ACCESSIBLE TO AN EXIT STAIRCASE				
		FIRE SERVICE ACCESS ELEVATORS/FIRE LIFT AS PER NFPA 5000 (2012 Ed.) CHAP. 54.12	NOT REQUIRED	NOT REQUIRED		REQUIRED
		AMBULANCE STRETCHER ACCOMMODATION ELEVATOR/LIFT [NFPA 5000 (2012 Ed.) CHAP. 54.3]	NOT REQUIRED	NOT REQUIRED	REQUIRED	REQUIRED TO SERVE AS THE OTHER FIRE LIFT
WHEN REQUIRED, AT LEAST ONE (1) FIRE LIFT FOR EVERY 900 SQM. FLOOR AREA	REQUIRED IN EVERY FIRE LIFT PROVISIONS	REQUIRED IN EVERY FIRE LIFT PROVISIONS		REQUIRED IN EVERY FIRE LIFT PROVISIONS		



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I		APPLICATIONS	BUSINESS OCCUPANCIES			
		GENERAL OFFICES / CITY/MUNICIPAL HALLS/ COURTHOUSES / DOCTORS/DENTIST OFFICES / MEETING ROOMS [<50 SEATING CAPACITY] / BARBER SHOPS/SALONS / SERVICE FACILITIES (NEWSSTAND, LUNCH COUNTERS) < 50 PERSONS / CLASSROOM/INSTRUCTIONAL LABORATORIES < 50 SEATING CAPACITY / BIRTH CENTERS/AMBULATORY OUT-PATIENT CLINICS < 4 PATIENTS	OCCUPANCY USED FOR TRANSACTION OF BUSINESS OTHER THAN MERCANTILE			
II		OCCUPANCY CLASSIFICATION**	BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS		
A	LOW-RISE BUSINESS OCCUPANCY		≤ 15M	≤ 500M ²		
B	MEDIUM-RISE BUSINESS OCCUPANCY	TYPE A - MEDIUM-RISE BUSINESS OCCUPANCY	> 15M TO ≤ 18M	> 500M ² - < 1000M ²		
		TYPE B - MEDIUM-RISE BUSINESS OCCUPANCY	> 18M TO < 28M	≥ 1000M ²		
C	HIGH-RISE BUSINESS OCCUPANCY		≥ 28M	UL-UNLIMITED		
		FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW-RISE OFFICES	MEDIUM-RISE OFFICES TYPE A TYPE B	HIGH RISE OFFICES
IV	MEANS OF EGRESS					
A	MEANS OF EGRESS GENERAL REQUIREMENTS					
1	SEPARATION OF MEANS OF EGRESS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED	
	EXIT ACCESS CORRIDORS	SERVING AN AREA WITH AN OCCUPANT LOAD >30	1-HR FRR*	1-HR FRR*	1-HR FRR*	
	EXITS	CONNECTS 3 OR FEWER STORIES	1-HR FRR*	1-HR FRR*	1-HR FRR*	
		CONNECTS 4 OR MORE STORIES	2-HRS FRR*	2-HRS FRR*	2-HRS FRR*	
	OPENING PROTECTIVE CONSTRUCTION	FIRE DOOR ASSEMBLIES EQUIPPED WITH DOOR CLOSERS	REQUIRED	REQUIRED	REQUIRED	
	OPENINGS AND PENETRATIONS IN EXIT ENCLOSURE	LIMITED OR NON-COMBUSTIBLE MATERIALS	REQUIRED	REQUIRED	REQUIRED	
		COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED	
2	EXITS HEADROOM	NOT LESS THAN 2285MM	REQUIRED	REQUIRED	REQUIRED	
	HEADROOM ON STAIRS	NOT LESS THAN 2285MM	REQUIRED	REQUIRED	REQUIRED	
3	WALKING SURFACES IN THE MEANS OF EGRESS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED	
4	CHANGES IN LEVEL IN THE MEANS OF EGRESS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED	
5	GUARDS	AT THE OPEN SIDES OF MEANS OF EGRESS 760MM ABOVE THE FLOOR OR FINISHED GROUND LEVEL	REQUIRED	REQUIRED	REQUIRED	
6	IMPEDIMENT TO EGRESS		NOT PERMITTED	NOT PERMITTED	NOT PERMITTED	
7	MEANS OF EGRESS RELIABILITY	CONTINUOUSLY MAINTAINED FREE OF ALL OBSTRUCTION OR IMPEDIMENTS	REQUIRED	REQUIRED	REQUIRED	
	FURNISHING AND DECORATION	FURNITURES, MOVABLE OBJECTS, MIRRORS, ETC.	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED	



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I		BUSINESS OCCUPANCIES				
APPLICATIONS		OCCUPANCY USED FOR TRANSACTION OF BUSINESS OTHER THAN MERCANTILE				
GENERAL OFFICES / CITY/MUNICIPAL HALLS/ COURTHOUSES / DOCTORS/DENTIST OFFICES / MEETING ROOMS [<50 SEATING CAPACITY] / BARBER SHOPS/SALONS / SERVICE FACILITIES (NEWSSTAND, LUNCH COUNTERS) < 50 PERSONS / CLASSROOM/INSTRUCTIONAL LABORATORIES < 50 SEATING CAPACITY / BIRTH CENTERS/AMBULATORY OUT-PATIENT CLINICS < 4 PATIENTS		BUILDING HEIGHT REQUIREMENTS		BUILDING AREA REQUIREMENTS		
II	OCCUPANCY CLASSIFICATION**					
A	LOW-RISE BUSINESS OCCUPANCY	≤ 15M		≤ 500M ²		
B	MEDIUM-RISE BUSINESS OCCUPANCY	TYPE A - MEDIUM-RISE BUSINESS OCCUPANCY	> 15M TO ≤ 18M	> 500M ² - < 1000M ²		
		TYPE B - MEDIUM-RISE BUSINESS OCCUPANCY	> 18M TO < 28M	≥ 1000M ²		
C	HIGH-RISE BUSINESS OCCUPANCY	≥ 28M		UL-UNLIMITED		
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW-RISE OFFICES	MEDIUM-RISE OFFICES TYPE A TYPE B	HIGH RISE OFFICES	
B	MEANS OF EGRESS COMPONENTS					
1	FIRE DOORS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED	
	SIDE-HINGE OR PIVOTED-SWINGING TYPE	ANY DOOR ASSEMBLY IN A MEANS OF EGRESS	REQUIRED	REQUIRED	REQUIRED	
		MINIMUM DOOR LEAF WIDTH	810MM (32IN.)	810MM	810MM (32IN.)	
	HORIZONTAL SLIDING DOORS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED	
	VERTICAL ROLLING DOORS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED	
	REVOLVING DOORS/POWERED DOORS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED	
	SELF-CLOSING DEVICES	IN ALL DOORS REQUIRED TO BE NORMALLY KEPT CLOSED	REQUIRED	REQUIRED	REQUIRED	
2	STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED	
	STANDARD STAIRS	FEWER THAN 50 PERSON (CLEAR WIDTH)	915MM	915MM	915MM	
		< 2000 PERSON (CLEAR WIDTH)	1120MM	1120MM	1120MM	
		≥ 2000 PERSON (CLEAR WIDTH)	1420MM	1420MM	1420MM	
	SPIRAL STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED	
	CURVE STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED	
	WINDERS	COMPLYING WITH CHAPTER 7 NFPA 101	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED	
	GUARDS AND HANDRAILS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED	
	ENCLOSURE AND PROTECTION OF STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED	
	ENCLOSURES	INTERIOR STAIR SERVING AS AN EXIT COMPONENT	REQUIRED	REQUIRED	REQUIRED	
		DOORS FRR**	≤3 STORY / ≥3 STORY	1-HR FRR**FRP* / 1.5-HR FRR**	1-HR FRR**FRP* / 1.5-HR FRR**	1-HR FRR**FRP* / 1.5-HR FRR**
		ENCLOSURES FRR*	≤3 STORY / ≥3 STORY	1-HR FRR* / 2-HRS FRR*	1-HR FRR* / 2-HRS FRR*	1-HR FRR* / 2-HRS FRR*



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I		APPLICATIONS	BUSINESS OCCUPANCIES			
		GENERAL OFFICES / CITY/MUNICIPAL HALLS/ COURTHOUSES / DOCTORS/DENTIST OFFICES / MEETING ROOMS [<50 SEATING CAPACITY] / BARBER SHOPS/SALONS / SERVICE FACILITIES (NEWSSTAND, LUNCH COUNTERS) < 50 PERSONS / CLASSROOM/INSTRUCTIONAL LABORATORIES < 50 SEATING CAPACITY / BIRTH CENTERS/AMBULATORY OUT-PATIENT CLINICS < 4 PATIENTS	OCCUPANCY USED FOR TRANSACTION OF BUSINESS OTHER THAN MERCANTILE			
II		OCCUPANCY CLASSIFICATION**	BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS		
A	LOW-RISE BUSINESS OCCUPANCY		≤ 15M	≤ 500M ²		
B	MEDIUM-RISE BUSINESS OCCUPANCY	TYPE A - MEDIUM-RISE BUSINESS OCCUPANCY	> 15M TO ≤ 18M	> 500M ² - < 1000M ²		
		TYPE B - MEDIUM-RISE BUSINESS OCCUPANCY	> 18M TO < 28M	≥ 1000M ²		
C	HIGH-RISE BUSINESS OCCUPANCY		≥ 28M	UL-UNLIMITED		
		FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW-RISE OFFICES	MEDIUM-RISE OFFICES TYPE A TYPE B	HIGH RISE OFFICES
	ENCLOSURE EXEMPTION	PENETRATING ONE FLOOR LEVEL OR SERVING MEZZANINE ONLY	PERMITTED	PERMITTED	PERMITTED	
	EXPOSURES	WALLS AND OPENINGS WITHIN 3050MM HORIZONTALLY OF AN EXTERIOR STAIRWAY ENCLOSURE	1-HR FRR*	1-HR FRR*	1-HR FRR*	
	USEABLE SPACE	WITHIN EXIT ENCLOSURE	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED	
	USEABLE SPACE	UNDER STAIRS COMPLYING WITH CONDITIONS IN NFPA 101 <i>Life Safety Code</i>	PERMITTED	PERMITTED	PERMITTED	
	STAIRWAY IDENTIFICATION	SERVING 3 OR MORE STOREYS	REQUIRED	REQUIRED	REQUIRED	
	EXIT STAIR PATH MARKINGS	ALL STAIR COMPONENTS	REQUIRED	REQUIRED	REQUIRED	
	PERIMETER DEMARCATION MARKING	COMPLYING WITH NFPA 101	REQUIRED	REQUIRED	REQUIRED	
	LOCK, LATCHES & ALARM DEVICES	COMPLYING WITH NFPA 101	PERMITTED	PERMITTED	PERMITTED	
	RE-ENTRY PROVISIONS	LOCKED STAIRS EXCEEDING 4 STOREYS	NOT REQUIRED	REQUIRED	REQUIRED	
3	RAMPS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED	
		AS SECONDARY EXIT FOR ONE (1) BASEMENT LEVEL	PERMITTED	PERMITTED	PERMITTED	
4	ROOF ACCESS	BUILDING EQUAL OR MORE THAN 4 STOREYS (G+3) OR ROOFS 12M ABOVE GRADE PLANE	REQUIRED	REQUIRED	REQUIRED	
		WHERE OPEN STAIR/S ARE PERMITTED AND PROVIDED IN LOW-RISE BUSINESS OCCUPANCY	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	
		ONE AT EACH 9300M ² ROOF AREA OR FLAT ROOFS OR ROOF PITCH <3 IN 12	REQUIRED	REQUIRED	REQUIRED	



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I		APPLICATIONS	BUSINESS OCCUPANCIES			
		GENERAL OFFICES / CITY/MUNICIPAL HALLS/ COURTHOUSES / DOCTORS/DENTIST OFFICES / MEETING ROOMS [<50 SEATING CAPACITY] / BARBER SHOPS/SALONS / SERVICE FACILITIES (NEWSSTAND, LUNCH COUNTERS) < 50 PERSONS / CLASSROOM/INSTRUCTIONAL LABORATORIES < 50 SEATING CAPACITY / BIRTH CENTERS/AMBULATORY OUT-PATIENT CLINICS < 4 PATIENTS	OCCUPANCY USED FOR TRANSACTION OF BUSINESS OTHER THAN MERCANTILE			
II		OCCUPANCY CLASSIFICATION**	BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS		
A	LOW-RISE BUSINESS OCCUPANCY		≤ 15M	≤ 500M ²		
B	MEDIUM-RISE BUSINESS OCCUPANCY		> 15M TO ≤ 18M	> 500M ² - < 1000M ²		
			TYPE A - MEDIUM-RISE BUSINESS OCCUPANCY			
			TYPE B - MEDIUM-RISE BUSINESS OCCUPANCY	≥ 1000M ²		
C	HIGH-RISE BUSINESS OCCUPANCY		≥ 28M	UL-UNLIMITED		
		FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW-RISE OFFICES	MEDIUM-RISE OFFICES TYPE A TYPE B	HIGH RISE OFFICES
		ROOF ACCESS COMPONENTS	SMOKE VENTS (FIXED WALL OPENING) AT THE TOP OF THE STAIRWELL WITH A MIN. AREA OF 1.5M ² .	REQUIRED	NOT APPLICABLE	NOT APPLICABLE
			STAIR ACCESS TO ROOF WITH OPERABLE DOORS	REQUIRED	REQUIRED	REQUIRED
5	SMOKE PROOF ENCLOSURES		FRR* FIRE RESISTANCE RATING			
		STAIR ENCLOSURES	INTERIOR STAIR SERVING AS AN EXIT COMPONENT	REQUIRED	REQUIRED	REQUIRED
			OPEN STAIR PENETRATING ONE (1) FLOOR ONLY	PERMITTED	PERMITTED	PERMITTED
		FIRE FIGHTING LOBBY (F/F LOBBY)	IN EVERY FIRE LIFT PROVISIONS AT EVERY FLOOR LEVEL SERVED	REQUIRED IN EVERY FIRE LIFT PROVISIONS	REQUIRED IN EVERY FIRE LIFT PROVISIONS	REQUIRED IN EVERY FIRE LIFT PROVISIONS
			ADJACENT AND ACCESSIBLE TO AN EXIT STAIRCASE			
			SERVES AS A COMMON LOBBY FOR BOTH FIRE LIFT/S AND THE ADJACENT EXIT STAIRCASE			
			6M ² MINIMUM WORKING SPACE/AREA WITH NO SIDE LESS THAN 2.0M. DIMENSION			
			PROVISIONS AT THE LEVEL OF EXIT DISCHARGE	NOT REQUIRED	NOT REQUIRED IF EXITS COMPLIES WITH EXIT DISCHARGE REQ'TS	NOT REQUIRED IF EXITS COMPLIES WITH EXIT DISCHARGE REQ'TS
		SMOKE-STOP LOBBY (S/S LOBBY)	HIGH-RISE BUILDINGS WITH HABITABLE HEIGHT HIGHER THAN 28 METERS	NOT APPLICABLE	NOT APPLICABLE	REQUIRED
			BASEMENT LEVEL/S EXCEED 9.0M METERS DEPTH	REQUIRED ON ALL FLOOR LEVELS	REQUIRED ON ALL FLOOR LEVELS	REQUIRED ON ALL FLOOR LEVELS
			EXCEEDS FIVE (5) STORIES INCLUDING BASEMENTS & BELONGS TO AN ASSEMBLY OCCUPANCY REGARDLESS OF THE HABITABLE HEIGHT	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I		APPLICATIONS	BUSINESS OCCUPANCIES			
		GENERAL OFFICES / CITY/MUNICIPAL HALLS/ COURTHOUSES / DOCTORS/DENTIST OFFICES / MEETING ROOMS [<50 SEATING CAPACITY] / BARBER SHOPS/SALONS / SERVICE FACILITIES (NEWSSTAND, LUNCH COUNTERS) < 50 PERSONS / CLASSROOM/INSTRUCTIONAL LABORATORIES < 50 SEATING CAPACITY / BIRTH CENTERS/AMBULATORY OUT-PATIENT CLINICS < 4 PATIENTS	OCCUPANCY USED FOR TRANSACTION OF BUSINESS OTHER THAN MERCANTILE			
II		OCCUPANCY CLASSIFICATION**	BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS		
A	LOW-RISE BUSINESS OCCUPANCY		≤ 15M	≤ 500M ²		
B	MEDIUM-RISE BUSINESS OCCUPANCY		> 15M TO ≤ 18M	> 500M ² - < 1000M ²		
			TYPE A - MEDIUM-RISE BUSINESS OCCUPANCY			
			TYPE B - MEDIUM-RISE BUSINESS OCCUPANCY	≥ 1000M ²		
C	HIGH-RISE BUSINESS OCCUPANCY		≥ 28M	UL-UNLIMITED		
		FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW-RISE OFFICES	MEDIUM-RISE OFFICES TYPE A TYPE B	HIGH RISE OFFICES
	SMOKE-STOP LOBBY (S/S LOBBY)	3M ² MIN. AREA (LEAST SIDE DIMENSION 1.8M)	NOT APPLICABLE	NOT APPLICABLE	REQUIRED	
		PROVISIONS AT THE LEVEL OF EXIT DISCHARGE	NOT APPLICABLE	NOT APPLICABLE	NOT REQUIRED IF EXITS COMPLIES WITH EXIT DISCHARGE REQ'TS	
	FIRE FIGHTING LOBBY & SMOKE-STOP LOBBY DOORS & WALL ENCLOSURES	1.5-HR FPR** FIRE PROTECTION RATING/ 2-HRS FRR* FIRE RESISTANCE RATING	NOT APPLICABLE	NOT APPLICABLE	REQUIRED	
6	HORIZONTAL EXITS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED	
7	EXIT PASSAGEWAYS	ENCLOSURE & SEPARATION FIRE RESISTANCE RATING COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED	
		MINIMUM WIDTH NOT LESS THAN ¾ OF THE WIDTH OF THE EXIT STAIR				
8	ESCALATORS & MOVING WALKS	AS PART OF THE REQUIRED MEANS OF EGRESS	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED	
9	FIRE ESCAPE STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED	
10	FIRE ESCAPE LADDERS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	NOT PERMITTED	
11	SLIDE ESCAPES	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED	
12	ALTERNATING TREAD DEVICES	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	NOT PERMITTED	
13	AREAS OF REFUGE	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED	
14	ELEVATORS	AS PART OF THE REQUIRED MEANS OF EGRESS	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED	
		AS SECOND MEANS OF EGRESS FROM A TOWER AND COMPLYING WITH ASME A17.1/CSA B44	NOT APPLICABLE	NOT APPLICABLE	PERMITTED	
	ELEVATOR DOORS	OPENING INTO EXIT ENCLOSURES	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED	



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I		APPLICATIONS	BUSINESS OCCUPANCIES			
		GENERAL OFFICES / CITY/MUNICIPAL HALLS/ COURTHOUSES / DOCTORS/DENTIST OFFICES / MEETING ROOMS [<50 SEATING CAPACITY] / BARBER SHOPS/SALONS / SERVICE FACILITIES (NEWSSTAND, LUNCH COUNTERS) < 50 PERSONS / CLASSROOM/INSTRUCTIONAL LABORATORIES < 50 SEATING CAPACITY / BIRTH CENTERS/AMBULATORY OUT-PATIENT CLINICS < 4 PATIENTS	OCCUPANCY USED FOR TRANSACTION OF BUSINESS OTHER THAN MERCANTILE			
II		OCCUPANCY CLASSIFICATION**	BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS		
A		LOW-RISE BUSINESS OCCUPANCY	≤ 15M	≤ 500M ²		
B	MEDIUM-RISE BUSINESS OCCUPANCY	TYPE A - MEDIUM-RISE BUSINESS OCCUPANCY	> 15M TO ≤ 18M	> 500M ² - < 1000M ²		
		TYPE B - MEDIUM-RISE BUSINESS OCCUPANCY	> 18M TO < 28M	≥ 1000M ²		
C		HIGH-RISE BUSINESS OCCUPANCY	≥ 28M	UL-UNLIMITED		
		FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW-RISE OFFICES	MEDIUM-RISE OFFICES TYPE A TYPE B	HIGH RISE OFFICES
C		CAPACITY OF MEANS OF EGRESS				
1	OCCUPANT LOAD	NFPA 101 TABLE 7.3.1.2 OCCUPANT LOAD FACTORS	9.3M ² /PERSON	9.3M ² /PERSON	9.3M ² /PERSON	
2	EGRESS CAPACITY	NFPA 101 TABLE 7.3.3.1 CAPACITY FACTORS	REQUIRED	REQUIRED	REQUIRED	
D		NUMBER OF EXITS				
1	SINGLE EXIT	IN MEZZANINES WITH EXIT TRAVEL WITHIN COMMON PATH LIMIT	PERMITTED	PERMITTED	PERMITTED	
		IN ANY SECTION WITH EXIT TRAVEL WITHIN COMMON PATH LIMIT				
		SINGLE TENANTS SPACE OR BUILDING WITH 2 OR FEWER STORIES IN HEIGHT	PERMITTED COMPLYING WITH ALL SINGLE EXIT CONDITIONS*	PERMITTED COMPLYING WITH ALL SINGLE EXIT CONDITIONS*		
		IN ANY LEVEL OR STOREY	PERMITTED COMPLYING WITH ALL SINGLE EXIT CONDITIONS*	PERMITTED COMPLYING WITH ALL SINGLE EXIT CONDITIONS* NOT PERMITTED	NOT PERMITTED	
	CONDITIONS* (REQUIRES COMPLIANCE TO ALL STATED CONDITIONS)	1	REQUIRED	REQUIRED	NOT APPLICABLE 2 EXITS REQUIRED	NOT APPLICABLE 2 EXITS REQUIRED
	2	OCCUPANT LOAD NOT EXCEEDING 50 OCCUPANTS PER FLOOR				
	3	TRAVEL DISTANCE FROM THE MOST REMOTE AREA TO THE NEAREST EXIT ENCLOSURE DOES NOT EXCEED 23M.				
	4	EXIT STAIRS ARE FULLY ENCLOSED				
		4	EXIT DISCHARGE DIRECT TO BUILDING EXTERNAL			



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I		APPLICATIONS		BUSINESS OCCUPANCIES							
		GENERAL OFFICES / CITY/MUNICIPAL HALLS/ COURTHOUSES / DOCTORS/DENTIST OFFICES / MEETING ROOMS [<50 SEATING CAPACITY] / BARBER SHOPS/SALONS / SERVICE FACILITIES (NEWSSTAND, LUNCH COUNTERS) < 50 PERSONS / CLASSROOM/INSTRUCTIONAL LABORATORIES < 50 SEATING CAPACITY / BIRTH CENTERS/AMBULATORY OUT-PATIENT CLINICS < 4 PATIENTS		OCCUPANCY USED FOR TRANSACTION OF BUSINESS OTHER THAN MERCANTILE							
II		OCCUPANCY CLASSIFICATION**		BUILDING HEIGHT REQUIREMENTS		BUILDING AREA REQUIREMENTS					
A		LOW-RISE BUSINESS OCCUPANCY		≤ 15M		≤ 500M ²					
B		MEDIUM-RISE BUSINESS OCCUPANCY		TYPE A - MEDIUM-RISE BUSINESS OCCUPANCY		> 15M TO ≤ 18M		> 500M ² - < 1000M ²			
				TYPE B - MEDIUM-RISE BUSINESS OCCUPANCY		> 18M TO < 28M		≥ 1000M ²			
C		HIGH-RISE BUSINESS OCCUPANCY		≥ 28M		UL-UNLIMITED					
		FIRE SAFETY PROVISIONS		MINIMUM REQUIREMENTS		LOW-RISE OFFICES	MEDIUM-RISE OFFICES		HIGH RISE OFFICES		
							TYPE A	TYPE B			
2		NOT LESS THAN 2 SEPARATE EXITS		50 - 500 OCCUPANTS		REQUIRED		REQUIRED		REQUIRED	
				ON EVERY STORY AND ACCESSIBLE FROM EVERY PART OF EVERY STORY		REQUIRED		REQUIRED		REQUIRED	
3		NOT LESS THAN 3 SEPARATE EXITS		EQUAL OR MORE THAN 500 OCCUPANTS		REQUIRED		REQUIRED		REQUIRED	
4		NOT LESS THAN 4 SEPARATE EXITS		EQUAL OR MORE THAN 1000 OCCUPANTS		REQUIRED		REQUIRED		REQUIRED	
E		ARRANGEMENT OF EXITS		(NS*-NOT SPRINKLERED / S**-SPRINKLERED)		NS*	S**	NS*/S**	NS*/S**	NS*	S**
1		TRAVEL DISTANCE		NFPA 101 TABLE A.7.6		61M	91M	61M	91M	61M	91M
2		COMMON PATH LIMIT		NFPA 101 TABLE A.7.6		23M	30M	23M	30M	23M	30M
3		DEAD-END CORRIDOR		NFPA 101 TABLE A.7.6		6.1M	15M	6.1M	15M	6.1M	15M
4		EXIT DISCHARGE									
		EXTERIOR DISCHARGE (DIRECT TO BUILDING EXTERNAL)		COMPLYING WITH NFPA 101		REQUIRED		REQUIRED		REQUIRED	
		THROUGH AREAS ON LEVEL OF EXIT DISCHARGE		MAXIMUM 10M TRAVEL DISTANCE TO BUILDING EXTERNAL		PERMITTED		PERMITTED	NOT PERMITTED	NOT PERMITTED	
				50% OF RQUIRED NUMBER OF EXITS & 50% OF REQUIRED EXIT CAPACITY IN BUILDINGS PROTECTED THROUGHOUT WITH SPRINKLER SYSTEM		PERMITTED		PERMITTED		PERMITTED	
5		EXTERIOR WAYS OF EXIT		COMPLYING WITH NFPA 101		PERMITTED		PERMITTED		PERMITTED	
6		ACCESSIBLE MEANS OF EGRESS		EXIT PROVISIONS FOR PEOPLE WITH SEVERE MOBILITY IMPAIRMENT		NOT LESS THAN 2 EXITS REQUIRED		NOT LESS THAN 2 EXITS REQUIRED		NOT LESS THAN 2 EXITS REQUIRED	
7		ILLUMINATION OF MEANS OF EGRESS		COMPLYING WITH CHAPTER 7 NFPA 101		REQUIRED		REQUIRED		REQUIRED	



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I		APPLICATIONS	BUSINESS OCCUPANCIES			
		GENERAL OFFICES / CITY/MUNICIPAL HALLS/ COURTHOUSES / DOCTORS/DENTIST OFFICES / MEETING ROOMS [<50 SEATING CAPACITY] / BARBER SHOPS/SALONS / SERVICE FACILITIES (NEWSSTAND, LUNCH COUNTERS) < 50 PERSONS / CLASSROOM/INSTRUCTIONAL LABORATORIES < 50 SEATING CAPACITY / BIRTH CENTERS/AMBULATORY OUT-PATIENT CLINICS < 4 PATIENTS	OCCUPANCY USED FOR TRANSACTION OF BUSINESS OTHER THAN MERCANTILE			
II		OCCUPANCY CLASSIFICATION**	BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS		
A	LOW-RISE BUSINESS OCCUPANCY		≤ 15M	≤ 500M ²		
B	MEDIUM-RISE BUSINESS OCCUPANCY		TYPE A - MEDIUM-RISE BUSINESS OCCUPANCY	> 15M TO ≤ 18M	> 500M ² - < 1000M ²	
			TYPE B - MEDIUM-RISE BUSINESS OCCUPANCY	> 18M TO < 28M	≥ 1000M ²	
C	HIGH-RISE BUSINESS OCCUPANCY		≥ 28M	UL-UNLIMITED		
		FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW-RISE OFFICES	MEDIUM-RISE OFFICES TYPE A TYPE B	HIGH RISE OFFICES
8	EMERGENCY LIGHTING		THE BUILDING IS 3 OR MORE STORIES IN HEIGHT; WITH 50 OR MORE OCCUPANTS ABOVE OR BELOW THE LEVEL OF EXIT DISCHARGE	REQUIRED	REQUIRED	REQUIRED
		WITH 300 OR MORE TOTAL OCCUPANTS				
9	MARKINGS OF MEANS OF EGRESS		COMPLYING WITH CHAPTER 7 NFPA 101			
F	SPECIAL MEANS OF EGRESS PROVISIONS					
1	FIREMEN ACCESS PANELS		HABITABLE HEIGHT EXCEEDING 10M	REQUIRED	REQUIRED	REQUIRED
2	REFUGE FLOORS		BUILDING EXCEEDING 30 STORIES	NOT APPLICABLE	NOT APPLICABLE	REQUIRED
3	ELEVATORS FOR OCCUPANT CONTROLLED EVACUATION PRIOR TO PHASE I EMERGENCY RECALL OPERATIONS		COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED
V	INTERIOR FINISH CONTENTS AND FURNISHING					
A	INTERIOR FINISH		COMPLYING WITH CHAPTER 10 OF NFPA 101			
1	INTERIOR WALL & CEILING FINISHES		CLASS A OR CLASS B IN EXITS & EXIT ACCESS CORRIDORS	REQUIRED	REQUIRED	REQUIRED
			CLASS A OR CLASS B OR CLASS IN OTHER AREAS	REQUIRED	REQUIRED	REQUIRED
2	INTERIOR FLOOR FINISHES		CLASS I OR CLASS II IN EXIT ENCLOSURE	REQUIRED	REQUIRED	REQUIRED
VI	FEATURES OF FIRE PROTECTION (NFPA 5000 TABLES 7.2.1.1, 7.3.2.1, 7.3.5 (a), (b), 7.3.5.5, 7.4.1)					
A	CONSTRUCTION		COMPLYING WITH CHAPTER 7 & 8 OF NFPA 5000			
1	CONSTRUCTION (NON-COMBUSTIBLE OR LIMITED COMBUSTIBLE MATERIALS)		TYPE I OR TYPE II	HOURLY RATINGS BASED ON NFPA 5000 HEIGHT & AREA REQUIREMENTS	HOURLY RATINGS BASED ON NFPA 5000 HEIGHT & AREA REQUIREMENTS	HOURLY RATINGS BASED ON NFPA 5000 HEIGHT & AREA REQUIREMENTS
			EXTERIOR BEARING WALLS			
			FRAMING, COLUMNS, BEAMS, GIRDERS, TRUSSES			
		FLOOR CONSTRUCTION				



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I		APPLICATIONS	BUSINESS OCCUPANCIES			
		GENERAL OFFICES / CITY/MUNICIPAL HALLS/ COURTHOUSES / DOCTORS/DENTIST OFFICES / MEETING ROOMS [<50 SEATING CAPACITY] / BARBER SHOPS/SALONS / SERVICE FACILITIES (NEWSSTAND, LUNCH COUNTERS) < 50 PERSONS / CLASSROOM/INSTRUCTIONAL LABORATORIES < 50 SEATING CAPACITY / BIRTH CENTERS/AMBULATORY OUT-PATIENT CLINICS < 4 PATIENTS	OCCUPANCY USED FOR TRANSACTION OF BUSINESS OTHER THAN MERCANTILE			
II		OCCUPANCY CLASSIFICATION**	BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS		
A	LOW-RISE BUSINESS OCCUPANCY		≤ 15M	≤ 500M ²		
B	MEDIUM-RISE BUSINESS OCCUPANCY		> 15M TO ≤ 18M	> 500M ² - < 1000M ²		
			TYPE A - MEDIUM-RISE BUSINESS OCCUPANCY			
			TYPE B - MEDIUM-RISE BUSINESS OCCUPANCY	≥ 1000M ²		
C	HIGH-RISE BUSINESS OCCUPANCY		≥ 28M	UL-UNLIMITED		
		FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW-RISE OFFICES	MEDIUM-RISE OFFICES TYPE A TYPE B	HIGH RISE OFFICES
B	SUBDIVISION OF BUILDING SPACES		COMPLYING WITH NFPA 101 & NFPA 5000	REQUIRED	REQUIRED	REQUIRED
1	FIRE BARRIERS		COMPLYING WITH NFPA 101 AND NFPA 5000	REQUIRED	REQUIRED	REQUIRED
2	SEPARATION FROM OTHER OCCUPANCIES		AS PER NFPA 101 TABLE 6.1.14.4.1 (a), (b)	REQUIRED	REQUIRED	REQUIRED
3	CORRIDORS RATED SEPARATION		REQUIRED SEPARATION	1-HR FRR*	1-HR FRR*	1-HR FRR*
	REQUIRED SEPARATION EXEMPTION (APPLIES TO ANY OF THE FOLLOWING)	1	EXITS ARE AVAILABLE FROM AN OPEN FLOOR AREA	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED
		2	WITHIN A SPACE OCCUPIED BY A SINGLE TENANT			
		3	BUILDING PROTECTED THROUGHOUT WITH AUTOMATIC SPRINKLER SYSTEM			
4	SMOKE PARTITIONS/ SMOKE BARRIERS		COMPLYING WITH NFPA 101 & NFPA 5000	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED
C	VERTICAL OPENINGS PROTECTION		PROTECTION COMPLYING WITH NFPA CODES	REQUIRED	REQUIRED	REQUIRED
1	COMMUNICATING SPACES		COMPLYING WITH CHAPTER 8 NFPA 101	PERMITTED	PERMITTED	PERMITTED
2	ATRIUMS		COMPLYING WITH CHAPTER 8 NFPA 101	PERMITTED	PERMITTED	PERMITTED
3	CONVENIENCE OPENINGS		COMPLYING WITH CHAPTER 8 NFPA 101	PERMITTED	PERMITTED	PERMITTED
4	SHAFTS		COMPLYING WITH CHAPTER 8 NFPA 101	PERMITTED	PERMITTED	PERMITTED
5	MEZZANINES		COMPLYING WITH CHAPTER 8 NFPA 101	PERMITTED	PERMITTED	PERMITTED
			AGGREGATE FLOOR AREA NOT MORE THAN ¼ OF THE SPACE IN WHICH THE LEVEL IS LOCATED	REQUIRED	REQUIRED	REQUIRED
6	CONCEALED SPACES & DRAFSTOPS		COMPLYING WITH CHAPTER 8 NFPA 101	REQUIRED	REQUIRED	REQUIRED
	EXTERIOR & INTERIOR WALL & PARTITION		FIRESTOPPED AT EACH FLOOR LEVEL, TOP STORY CEILING LEVEL & AT THE LEVEL OF SUPPORT FOR ROOFS	REQUIRED	REQUIRED	REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I		APPLICATIONS	BUSINESS OCCUPANCIES			
		GENERAL OFFICES / CITY/MUNICIPAL HALLS/ COURTHOUSES / DOCTORS/DENTIST OFFICES / MEETING ROOMS [<50 SEATING CAPACITY] / BARBER SHOPS/SALONS / SERVICE FACILITIES (NEWSSTAND, LUNCH COUNTERS) < 50 PERSONS / CLASSROOM/INSTRUCTIONAL LABORATORIES < 50 SEATING CAPACITY / BIRTH CENTERS/AMBULATORY OUT-PATIENT CLINICS < 4 PATIENTS	OCCUPANCY USED FOR TRANSACTION OF BUSINESS OTHER THAN MERCANTILE			
II		OCCUPANCY CLASSIFICATION**	BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS		
A	LOW-RISE BUSINESS OCCUPANCY		≤ 15M	≤ 500M ²		
B	MEDIUM-RISE BUSINESS OCCUPANCY		> 15M TO ≤ 18M	> 500M ² - < 1000M ²		
			TYPE A - MEDIUM-RISE BUSINESS OCCUPANCY			
			TYPE B - MEDIUM-RISE BUSINESS OCCUPANCY	≥ 1000M ²		
C	HIGH-RISE BUSINESS OCCUPANCY		≥ 28M	UL-UNLIMITED		
		FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW-RISE OFFICES	MEDIUM-RISE OFFICES TYPE A TYPE B	HIGH RISE OFFICES
	UNOCCUPIED ATTIC SPACES		DRAFSTOP INTO AREAS NOT EXCEEDING 280M ²	REQUIRED	REQUIRED	REQUIRED
	CONCEALED SPACES (CEILINGS & FLOORS)		DRAFSTOP INTO AREAS NOT EXCEEDING 93M ²	REQUIRED	REQUIRED	REQUIRED
	CONCEALED SPACES (FLOORS & ROOFS)		DRAFSTOP INTO AREAS NOT EXCEEDING 280M ²	REQUIRED	REQUIRED	REQUIRED
VII FIRE PROTECTION						
A DETECTION ALARM AND COMMUNICATION SYSTEMS						
1	FIRE ALARM SYSTEM			REQUIRED	REQUIRED	REQUIRED
B EXTINGUISHING REQUIREMENTS AS PER INDIVIDUAL CODES & STANDARDS						
1	PORTABLE FIRE EXTINGUISHERS		TYPE AND RATING IN ACCORDANCE WITH NFPA 10	REQUIRED	REQUIRED	REQUIRED
2	FIRE BLANKETS		IN KITCHEN OR PANTRY	REQUIRED	REQUIRED	REQUIRED
3	STANDPIPE SYSTEM		BUILDING EXCEEDING 9M IN HEIGHT	REQUIRED	REQUIRED	REQUIRED
4	FIRE HOSE REELS		25MM DIAMETER HOSE	NOT REQUIRED	REQUIRED	REQUIRED
5	AUTOMATIC SPRINKLER SYSTEM		THROUGHOUT PROTECTION	NOT REQUIRED	NOT REQUIRED	REQUIRED
			PROVIDED IN LIEU OF THE REQUIRED DRAFSTOPS IN CONCEALED SPACES	NOT REQUIRED	NOT REQUIRED	PERMITTED
			ONE BASEMENT LEVEL USED AS CARPARK ONLY AND NOT EXCEEDING 1115 SQ.M. FIRE AREA	NOT REQUIRED	NOT REQUIRED	REQUIRED
			ONE BASEMENT LEVEL USED AS MIXED OCCUPANCY	REQUIRED	REQUIRED	REQUIRED
			MORE THAN ONE BASEMENT LEVEL	REQUIRED	REQUIRED	REQUIRED
6	OTHER EXTINGUISHING EQUIPMENT		COMPLIANCE TO INDIVIDUAL CODES & STANDARDS	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I		BUSINESS OCCUPANCIES			
GENERAL OFFICES / CITY/MUNICIPAL HALLS/ COURTHOUSES / DOCTORS/DENTIST OFFICES / MEETING ROOMS [<50 SEATING CAPACITY] / BARBER SHOPS/SALONS / SERVICE FACILITIES (NEWSSTAND, LUNCH COUNTERS) < 50 PERSONS / CLASSROOM/INSTRUCTIONAL LABORATORIES < 50 SEATING CAPACITY / BIRTH CENTERS/AMBULATORY OUT-PATIENT CLINICS < 4 PATIENTS		OCCUPANCY USED FOR TRANSACTION OF BUSINESS OTHER THAN MERCANTILE			
II		BUILDING HEIGHT REQUIREMENTS		BUILDING AREA REQUIREMENTS	
A	LOW-RISE BUSINESS OCCUPANCY	≤ 15M		≤ 500M ²	
B	MEDIUM-RISE BUSINESS OCCUPANCY	TYPE A - MEDIUM-RISE BUSINESS OCCUPANCY		> 500M ² - < 1000M ²	
		TYPE B - MEDIUM-RISE BUSINESS OCCUPANCY		≥ 1000M ²	
C	HIGH-RISE BUSINESS OCCUPANCY	≥ 28M		UL-UNLIMITED	
	<i>FIRE SAFETY PROVISIONS</i>	<i>MINIMUM REQUIREMENTS</i>	LOW-RISE OFFICES	MEDIUM-RISE OFFICES TYPE A TYPE B	HIGH RISE OFFICES
VIII	BUILDING SERVICES PROTECTION (ASS* AUTOMATIC SUPPRESSION SYSTEM)				
A	BUILDING UTILITIES	COMPLYING WITH CHAPTER 9 NFPA 101			
1	GAS EQUIPMENT & RELATED PIPING	PROTECTION AS PER NFPA 54 & NFPA 58	REQUIRED	REQUIRED	REQUIRED
2	ELECTRICAL SYSTEMS	COMPLYING WITH NFPA 70	REQUIRED	REQUIRED	REQUIRED
	ELECTRICAL EQUIPMENT ROOMS	AUTOMATIC SUPPRESSION SYSTEM or 2-HRS ENCLOSURE	REQUIRED	REQUIRED	REQUIRED
	SUBSTATIONS & SWITCHGEARS	ATTACHED TO OCCUPIED BUILDINGS REQUIRED PROTECTION	3-HRS FRR* or ASS*	3-HRS FRR* or ASS*	3-HRS FRR* or ASS*
		STANDALONE TRANSFORMER VAULT REQUIRED PROTECTION	3-HRS FRR* or 2-HRS FRR*with ASS	3-HRS FRR* or 2-HRS FRR*with ASS	3-HRS FRR* or 2-HRS FRR*with ASS
		EXPLOSION PROTECTION	ASS* & 2-HRS FRR* ENCLOSURE	ASS* & 2-HRS FRR* ENCLOSURE	ASS* & 2-HRS FRR* ENCLOSURE
3	COMMERCIAL COOKING EQUIPMENT	COMPLYING WITH NFPA 96	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED
	KITCHEN/PANTRY	ENCLOSURE FRR*	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED
	COOKING EQUIPMENT	EQUIPMENT USED ONLY FOR FOOD WARMING	PERMITTED	PERMITTED	PERMITTED
4	ELEVATORS, ESCALATORS & CONVEYORS	COMPLYING WITH ASME A17.1/CSA B44	REQUIRED	REQUIRED	REQUIRED
	FIRE FIGHTERS' EMERGENCY OPERATION	COMPLYING WITH NFPA 101.9 & ASME A17.1/CSA B44	NOT REQUIRED	NOT REQUIRED	REQUIRED
B	RUBBISH CHUTE, INCINERATORS & LAUNDRY CHUTES	COMPLYING WITH NFPA 82	REQUIRED	REQUIRED	REQUIRED
	ENCLOSURES	TRAVERSES EQUAL OR LESS THAN 3 STOREYS	1-HR FRR*	1-HR FRR*	1-HR FRR*
		TRAVERSES MORE THAN 3 STOREYS	2-HRS FRR*	2-HRS FRR*	2-HRS FRR*



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		BUSINESS OCCUPANCIES		
	GENERAL OFFICES / CITY/MUNICIPAL HALLS/ COURTHOUSES / DOCTORS/DENTIST OFFICES / MEETING ROOMS [<50 SEATING CAPACITY] / BARBER SHOPS/SALONS / SERVICE FACILITIES (NEWSSTAND, LUNCH COUNTERS) < 50 PERSONS / CLASSROOM/INSTRUCTIONAL LABORATORIES < 50 SEATING CAPACITY / BIRTH CENTERS/AMBULATORY OUT-PATIENT CLINICS < 4 PATIENTS		OCCUPANCY USED FOR TRANSACTION OF BUSINESS OTHER THAN MERCANTILE		
II	OCCUPANCY CLASSIFICATION**		BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS	
A	LOW-RISE BUSINESS OCCUPANCY		≤ 15M	≤ 500M ²	
B	MEDIUM-RISE BUSINESS OCCUPANCY	TYPE A - MEDIUM-RISE BUSINESS OCCUPANCY	> 15M TO ≤ 18M	> 500M ² - < 1000M ²	
		TYPE B - MEDIUM-RISE BUSINESS OCCUPANCY	> 18M TO < 28M	≥ 1000M ²	
C	HIGH-RISE BUSINESS OCCUPANCY		≥ 28M	UL-UNLIMITED	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW-RISE OFFICES	MEDIUM-RISE OFFICES TYPE A TYPE B	HIGH RISE OFFICES
	OPENING PROTECTIVE	TRAVERSES EQUAL OR LESS THAN 3 STOREYS	1-HR FPR**	1-HR FPR**	1-HR FPR**
		TRAVERSES MORE THAN 3 STOREYS	1.5-HR FPR**	1.5-HR FPR**	1.5-HR FPR**
C	EMERGENCY POWER SUPPLY SYSTEM	COMPLYING WITH NFPA 110	NOT REQUIRED	NOT REQUIRED REQUIRED	REQUIRED
1	GENERATORS	ENCLOSURE	1-HR FRR*	1-HR FRR*	1-HR FRR*
D	FIRE PUMP ROOM	COMPLYING WITH NFPA 20	REQUIRED	REQUIRED	REQUIRED
	ENCLOSURES	MORE THAN 15.3 M FROM ANY BUILDING	1-HR FRR*	1-HR FRR*	1-HR FRR*
		WITHIN 15.3M OR ATTACHED TO BUILDINGS	2-HRS FRR*	2-HRS FRR*	2-HRS FRR*
		THROUGHOUT SPRINKLER (BUILDING/S & PUMP ROOM)	1-HR FRR*	1-HR FRR*	1-HR FRR*
	DIRECT SAFE ACCESS	EXTERNAL ACCESS WITHIN THE LEVEL OF DISCHARGE	REQUIRED	REQUIRED	REQUIRED
		WITHIN 3M FROM ANY EXIT THAT COMPLIES WITH DIRECT DISCHARGE REQUIREMENTS	PERMITTED	PERMITTED	PERMITTED
	ACCESS COMPONENT (UNDERGROUND LOCATION)	STANDARD STAIR (OF ANY NON-COMBUSTIBLE MATERIAL)	REQUIRED	REQUIRED	REQUIRED
		CAT STEEL LADDER	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
E	FIRE WATER TANKS	COMPLYING WITH NFPA 22	REQUIRED	REQUIRED	REQUIRED
	WATER TANK MATERIALS	NON-COMBUSTIBLE OR LIMITED COMBUSTIBLE MATERIALS	REQUIRED	REQUIRED	REQUIRED
		GRP TANKS (WITHIN 1-HR FIRE RATED ENCLOSURE)	NOT APPLICABLE	PERMITTED	PERMITTED
	DESIGN/COMPARTMENTATION	TWO (2) COMPARTMENTS	REQUIRED	REQUIRED	REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I		APPLICATIONS	BUSINESS OCCUPANCIES			
		GENERAL OFFICES / CITY/MUNICIPAL HALLS/ COURTHOUSES / DOCTORS/DENTIST OFFICES / MEETING ROOMS [<50 SEATING CAPACITY] / BARBER SHOPS/SALONS / SERVICE FACILITIES (NEWSSTAND, LUNCH COUNTERS) < 50 PERSONS / CLASSROOM/INSTRUCTIONAL LABORATORIES < 50 SEATING CAPACITY / BIRTH CENTERS/AMBULATORY OUT-PATIENT CLINICS < 4 PATIENTS	OCCUPANCY USED FOR TRANSACTION OF BUSINESS OTHER THAN MERCANTILE			
II		OCCUPANCY CLASSIFICATION**	BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS		
A	LOW-RISE BUSINESS OCCUPANCY		≤ 15M	≤ 500M ²		
B	MEDIUM-RISE BUSINESS OCCUPANCY	TYPE A - MEDIUM-RISE BUSINESS OCCUPANCY	> 15M TO ≤ 18M	> 500M ² - < 1000M ²		
		TYPE B - MEDIUM-RISE BUSINESS OCCUPANCY	> 18M TO < 28M	≥ 1000M ²		
C	HIGH-RISE BUSINESS OCCUPANCY		≥ 28M	UL-UNLIMITED		
		FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW-RISE OFFICES	MEDIUM-RISE OFFICES TYPE A TYPE B	HIGH RISE OFFICES
F	SMOKE CONTROL / EMERGENCY VENTILATION	COMPLYING WITH NFPA 92 & NFPA 204	NOT REQUIRED	REQUIRED	REQUIRED	
1	VENTILATION BY ANY OF THE FOLLOWING: 1.1. NATURAL VENTILATION; 1.2. MECHANICAL VENTILATION BY POSITIVE VENTILATION (PRESSURIZATION) SYSTEM	EXIT STAIRCASES CONNECTS MORE THAN FIVE (5) STOREYS (LEVELS) INCLUDING THE BASEMENTS	NOT APPLICABLE	REQUIRED	REQUIRED	
		AND/OR WHEN SMOKE STOP &/OR FIRE FIGHTING LOBBIES ARE REQUIRED	NOT APPLICABLE	NOT APPLICABLE	REQUIRED	
2	VENTILATION / SMOKE CONTROL SYSTEM BY ANY OF THE FOLLOWING: 1.1 NATURAL VENTILATION; 1.2 MECHANICAL VENTILATION & SMOKE CONTROL SYSTEM	BASEMENT LEVEL/S WITH FLOOR AREA (FA) EXCEEDING 500 SQ.M.	NOT APPLICABLE	REQUIRED	REQUIRED	
		VERTICAL OPENINGS, ATRIUMS & OTHER LARGE VOLUME OF SPACES	REQUIRED	REQUIRED	REQUIRED	
G	AIR-CONDITIONING & VENTILATION SYSTEM	COMPLYING WITH NFPA 90A & NFPA 90B AND OTHER RELEVANT, APPLICABLE NFPA CODES & STANDARDS	REQUIRED	REQUIRED	REQUIRED	

Note:
 *This Fire Safety Guide is prepared to determine the minimum required Fire Safety provisions for each Occupancy Type as referenced from General Directorate of Civil Defence (GDCD) adopted National Fire Protection Association (NFPA) Codes & Standards.
 For further guidance, the user is referred to the NFPA Codes and Standards and the General Fire Safety Requirements - Guidelines Annexes.
 **Occupancy Classification: Unless both the height and area requirements or criteria are met, the next higher classification or category SHALL apply.
 ®FPR*-FIRE RESISTANCE RATING ®FPR**-FIRE PROTECTION RATING ®ASS-AUTOMATIC SPRINKLER SYSTEM / AUTOMATIC SUPPRESSION SYSTEM ®SS-SMOKE-STOP LOBBY ®FF-FIRE FIGHTING LOBBY
 ®NP-NOT PERMITTED ®P-PERMITTED ®N/A-NOT APPLICABLE ®R-REQUIRED ®NR-NOT REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

MERCANTILE OCCUPANCIES

I	APPLICATIONS		MERCANTILE OCCUPANCIES		
	DEPARTMENT STORES / SHOPPING CENTERS / SUPERMARKETS / CONVENIENCE STORE / AUTOMOBILES SALES SHOWROOM / COMPUTER AND ELECTRONIC STORE / DRUGSTORES / AUCTION ROOMS / RESTAURANTS [<50 SEATING CAPACITY] / OPEN AIR MERCANTILE OCCUPANCIES (OPEN-AIR MARKETS, PETROL/GASOLINE FILLING STATIONS, ROADSIDE STANDS)		AN OCCUPANCY USED FOR THE DISPLAY AND SALE OF MERCHANDISE.		
II	OCCUPANCY CLASSIFICATION		BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS	
A	TYPE C - MERCANTILE OCCUPANY		1 STOREY	<280 M ² GROSS AREA	
B	TYPE B - MERCANTILE OCCUPANY		≤3 STOREYS	>280 M ² - <2800 M ² GROSS AREA	
C	TYPE A - MERCANTILE OCCUPANY		>3 STOREYS	> 2800 M ² GROSS AREA	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	TYPE C	TYPE B	TYPE A
III	BUILDING AND SITE ACCESS FOR FIRE FIGHTING & RESCUE				
A	SITE ACCESS	4.0M MINIMUM CLEAR WIDTH	REQUIRED	REQUIRED	REQUIRED
		4.5M MINIMUM CLEAR HEIGHT			
B	ACCESS ROAD	4.0M MINIMUM WIDTH AND 24 TON LOAD CAPACITY	REQUIRED (HABITABLE HEIGHT LESS THAN 10M)	REQUIRED (HABITABLE HEIGHT LESS THAN 10M)	REQUIRED (HABITABLE HEIGHT LESS THAN 10M)
		WITHIN A TRAVEL DISTANCE OF 45M FROM EVERY POINT ON PROJECTED PLAN AREA OF ANY BUILDING.			
C	FIRE ENGINE HARDSTANDING	LENGTH OR NUMBER BASE ON THE GROSS FLOOR AREA OF THE BUILDING	NOT REQUIRED	REQUIRED WHEN BUILDING HABITABLE HEIGHT EXCEEDS 10M	REQUIRED WHEN BUILDING HABITABLE HEIGHT EXCEEDS 10M
		6M X 15M (MINIMUM), WITH LONGER SIDE PARALLEL TO THE FAÇADE OF THE BUILDING			
		POSITIONED SO THAT THE NEARER EDGE SHALL NOT BE LESS THAN 2M OR NOT MORE THAN 10M FROM THE CENTRE POSITION OF THE ACCESS OPENING, MEASURED HORIZONTALLY.			
D	FIRE COMMAND CENTER	HIGH-RISE BUILDING AND OTHER THAN HIGH-RISE WITH EMERGENCY VOICE COMMUNICATION SYSTEM AND/OR SMOKE CONTROL SYSTEM	NOT REQUIRED	REQUIRED IN EITHER PROVISIONS OF EMERGENCY VOICE COMMUNICATION SYSTEM AND/OR SMOKE CONTROL SYSTEM	REQUIRED IN EITHER PROVISIONS OF EMERGENCY VOICE COMMUNICATION SYSTEM AND/OR SMOKE CONTROL SYSTEM
		9M ² MINIMUM WORKING AREA WITH LEAST DIMENSION OF 2.5M.			
		AT LEAST WITH 1M CLEARANCE FROM ALL EQUIPMENT			
		2-HOURS ENCLOSURES (WALLS, OPENINGS & PENETRATIONS)			



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		MERCANTILE OCCUPANCIES		
	DEPARTMENT STORES / SHOPPING CENTERS / SUPERMARKETS / CONVENIENCE STORE / AUTOMOBILES SALES SHOWROOM / COMPUTER AND ELECTRONIC STORE / DRUGSTORES / AUCTION ROOMS / RESTAURANTS [<50 SEATING CAPACITY] / OPEN AIR MERCANTILE OCCUPANCIES (OPEN-AIR MARKETS, PETROL/GASOLINE FILLING STATIONS, ROADSIDE STANDS)		AN OCCUPANCY USED FOR THE DISPLAY AND SALE OF MERCHANDISE.		
II	OCCUPANCY CLASSIFICATION		BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS	
A	TYPE C - MERCANTILE OCCUPANY		1 STOREY	<280 M ² GROSS AREA	
B	TYPE B - MERCANTILE OCCUPANY		≤3 STOREYS	>280 M ² - <2800 M ² GROSS AREA	
C	TYPE A - MERCANTILE OCCUPANY		>3 STOREYS	> 2800 M ² GROSS AREA	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	TYPE C	TYPE B	TYPE A
D	FIRE COMMAND CENTER	PROVIDED WITH PROMINENTLY MARKED EXTERIOR ENTRANCES INSTEAD OF A DEDICATED FIRE RATED ROOM: LOBBIES OR OTHER SPACES ADJACENT TO THE MAIN ENTRANCE OF THE BUILDING	NOT REQUIRED	REQUIRED IN EITHER PROVISIONS OF EMERGENCY VOICE COMMUNICATION SYSTEM AND/OR SMOKE CONTROL SYSTEM	REQUIRED IN EITHER PROVISIONS OF EMERGENCY VOICE COMMUNICATION SYSTEM AND/OR SMOKE CONTROL SYSTEM
E	FIRE LIFT	BUILDINGS EQUAL OR MORE THAN 28M HIGH ABOVE ENGINE ACCESS LEVEL.	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
		BUILDINGS EXCEEDS 9.0M BELOW THE LEVEL OF EXIT DISCHARGE	REQUIRED (R)	REQUIRED (R)	REQUIRED (R)
		SERVES ALL HABITABLE FLOORS	REQUIRED IN EVERY FIRE LIFT PROVISIONS	REQUIRED IN EVERY FIRE LIFT PROVISIONS	REQUIRED IN EVERY FIRE LIFT PROVISIONS
		CONTAINED IN A DEDICATED PROTECTED SHAFT			
		APPROACHED BY FIRE FIGHTING LOBBY AT EACH STOREY			
		ADJACENT AND ACCESSIBLE TO AN EXIT STAIRCASE	(R) EXCEEDS 9.0M BELOW THE LEVEL OF EXIT DISCHARGE	(R) EXCEEDS 9.0M BELOW THE LEVEL OF EXIT DISCHARGE	(R) EXCEEDS 9.0M BELOW THE LEVEL OF EXIT DISCHARGE
		FIRE SERVICE ACCESS ELEVATORS/FIRE LIFT IN ACCORDANCE WITH NFPA 5000 (2012 Ed.) CHAP. 54.12			
AMBULANCE STRETCHER ACCOMMODATION ELEVATOR/LIFT [NFPA 5000 (2012 Ed.) CHAP. 54.3]	NOT REQUIRED	EQUAL OR MORE THAN 18M ABOVE ENGINE ACCESS LEVEL.	EQUAL OR MORE THAN 18M ABOVE ENGINE ACCESS LEVEL.		
WHEN REQUIRED, AT LEAST ONE (1) FIRE LIFT FOR EVERY 900 SQM. FLOOR AREA	NOT APPLICABLE	REQUIRED IN EVERY FIRE LIFT PROVISIONS	REQUIRED IN EVERY FIRE LIFT PROVISIONS		
IV	MEANS OF EGRESS				
A	MEANS OF EGRESS GENERAL REQUIREMENTS				
1	SEPARATION OF MEANS OF EGRESS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
	EXIT ACCESS CORRIDORS	SERVING AN AREA HAVING AN OCCUPANT LOAD EXCEEDING 30	1-HR FRR*	1-HR FRR*	1-HR FRR*



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS	MERCANTILE OCCUPANCIES			
	DEPARTMENT STORES / SHOPPING CENTERS / SUPERMARKETS / CONVENIENCE STORE / AUTOMOBILES SALES SHOWROOM / COMPUTER AND ELECTRONIC STORE / DRUGSTORES / AUCTION ROOMS / RESTAURANTS [<50 SEATING CAPACITY] / OPEN AIR MERCANTILE OCCUPANCIES (OPEN-AIR MARKETS, PETROL/GASOLINE FILLING STATIONS, ROADSIDE STANDS)	AN OCCUPANCY USED FOR THE DISPLAY AND SALE OF MERCHANDISE.			
II	OCCUPANCY CLASSIFICATION	BUILDING HEIGHT REQUIREMENTS		BUILDING AREA REQUIREMENTS	
A	TYPE C - MERCANTILE OCCUPANCY	1 STOREY		<280 M ² GROSS AREA	
B	TYPE B - MERCANTILE OCCUPANCY	≤3 STOREYS		>280 M ² - <2800 M ² GROSS AREA	
C	TYPE A - MERCANTILE OCCUPANCY	>3 STOREYS		> 2800 M ² GROSS AREA	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	TYPE C	TYPE B	TYPE A
	EXITS	CONNECTS 3 OR FEWER STORIES	1-HR FRR*	1-HR FRR*	1-HR FRR*
		CONNECTS 4 OR MORE STORIES	2-HRS FRR*	2-HRS FRR*	2-HRS FRR*
	OPENING PROTECTIVE	FIRE DOOR ASSEMBLIES EQUIPPED WITH DOOR CLOSERS	REQUIRED	REQUIRED	REQUIRED
	CONSTRUCTION	LIMITED OR NON-COMBUSTIBLE MATERIALS	REQUIRED	REQUIRED	REQUIRED
	OPENINGS AND PENETRATIONS IN EXIT ENCLOSURE	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED
2	EXITS HEADROOM	NOT LESS THAN 2285MM	REQUIRED	REQUIRED	REQUIRED
	HEADROOM ON STAIRS	NOT LESS THAN 2285MM	REQUIRED	REQUIRED	REQUIRED
3	WALKING SURFACES IN THE MEANS OF EGRESS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
4	CHANGES IN LEVEL IN THE MEANS OF EGRESS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
5	GUARDS	PROVIDED AT THE OPEN SIDES OF MEANS OF EGRESS 760MM ABOVE THE FLOOR OR FINISHED GROUND LEVEL	REQUIRED	REQUIRED	REQUIRED
6	IMPEDIMENT TO EGRESS		NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
7	MEANS OF EGRESS RELIABILITY	CONTINUOUSLY MAINTAINED FREE OF ALL OBSTRUCTION OR IMPEDIMENTS	REQUIRED	REQUIRED	REQUIRED
	FURNISHING AND DECORATION	FURNITURES OR MOVABLE OBJECTS, MIRRORS, ETC.	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
B	MEANS OF EGRESS COMPONENTS				
1	FIRE DOORS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
	SIDE-HINGE OR PIVOTED-SWINGING TYPE	ANY DOOR ASSEMBLY IN A MEANS OF EGRESS	REQUIRED	REQUIRED	REQUIRED
		MINIMUM DOOR LEAF WIDTH	810MM (32IN.)	810MM (32IN.)	810MM (32IN.)
	HORIZONTAL SLIDING DOORS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED
	VERTICAL ROLLING DOORS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		MERCANTILE OCCUPANCIES			
	DEPARTMENT STORES / SHOPPING CENTERS / SUPERMARKETS / CONVENIENCE STORE / AUTOMOBILES SALES SHOWROOM / COMPUTER AND ELECTRONIC STORE / DRUGSTORES / AUCTION ROOMS / RESTAURANTS [<50 SEATING CAPACITY] / OPEN AIR MERCANTILE OCCUPANCIES (OPEN-AIR MARKETS, PETROL/GASOLINE FILLING STATIONS, ROADSIDE STANDS)		AN OCCUPANCY USED FOR THE DISPLAY AND SALE OF MERCHANDISE.			
II	OCCUPANCY CLASSIFICATION		BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS		
A	TYPE C - MERCANTILE OCCUPANY		1 STOREY	<280 M ² GROSS AREA		
B	TYPE B - MERCANTILE OCCUPANY		≤3 STOREYS	>280 M ² - <2800 M ² GROSS AREA		
C	TYPE A - MERCANTILE OCCUPANY		>3 STOREYS	> 2800 M ² GROSS AREA		
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	TYPE C	TYPE B	TYPE A	
	REVOLVING DOORS/POWERED DOORS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED	
	SELF-CLOSING DEVICES	IN ALL DOORS REQUIRED TO BE NORMALLY KEPT CLOSED	REQUIRED	REQUIRED	REQUIRED	
2	STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED	
	STANDARD STAIRS	FEWER THAN 50 PERSON (CLEAR WIDTH)	915MM	915MM	915MM	
		< 2000 PERSON (CLEAR WIDTH)	1120MM	1120MM	1120MM	
		≥ 2000 PERSON (CLEAR WIDTH)	1420MM	1420MM	1420MM	
	SPIRAL STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED	
	CURVE STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED	
	WINDERS	COMPLYING WITH CHAPTER 7 NFPA 101	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED	
	GUARDS AND HANDRAILS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED	
	ENCLOSURE AND PROTECTION OF STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED	
	ENCLOSURES	ALL INTERIOR STAIRS SERVING AS AN EXIT COMPONENT	REQUIRED	REQUIRED	REQUIRED	
		DOORS FPR**	≤3 STORIES / ≥3 STORIES	1-HR FPR** / 1.5-HR FPR**	1-HR FPR** / 1.5-HR FPR**	1-HR FPR** / 1.5-HR FPR**
		ENCLOSURES FRR*	≤3 STORIES / ≥3 STORIES	1-HR FRR* / 2-HRS FRR*	1-HR FRR* / 2-HRS FRR*	1-HR FRR* / 2-HRS FRR*
	ENCLOSURE EXEMPTION	PENETRATING ONE FLOOR LEVEL OR SERVING MEZZANINE ONLY	PERMITTED	PERMITTED	PERMITTED	
	EXPOSURES	WALLS AND OPENINGS WITHIN 3050MM HORIZONTALLY OF AN EXTERIOR STAIRWAY ENCLOSURE	1-HR FRR*	1-HR FRR*	1-HR FRR*	
	USEABLE SPACE	WITHIN EXIT ENCLOSURE	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED	
		UNDER STAIRS IN ACCORDANCE WITH NFPA 101	PERMITTED	PERMITTED	PERMITTED	



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS	MERCANTILE OCCUPANCIES			
	DEPARTMENT STORES / SHOPPING CENTERS / SUPERMARKETS / CONVENIENCE STORE / AUTOMOBILES SALES SHOWROOM / COMPUTER AND ELECTRONIC STORE / DRUGSTORES / AUCTION ROOMS / RESTAURANTS [<50 SEATING CAPACITY] / OPEN AIR MERCANTILE OCCUPANCIES (OPEN-AIR MARKETS, PETROL/GASOLINE FILLING STATIONS, ROADSIDE STANDS)	AN OCCUPANCY USED FOR THE DISPLAY AND SALE OF MERCHANDISE.			
II	OCCUPANCY CLASSIFICATION	BUILDING HEIGHT REQUIREMENTS		BUILDING AREA REQUIREMENTS	
A	TYPE C - MERCANTILE OCCUPANY	1 STOREY		<280 M ² GROSS AREA	
B	TYPE B - MERCANTILE OCCUPANY	≤3 STOREYS		>280 M ² - <2800 M ² GROSS AREA	
C	TYPE A - MERCANTILE OCCUPANY	>3 STOREYS		> 2800 M ² GROSS AREA	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	TYPE C	TYPE B	TYPE A
	STAIRWAY IDENTIFICATION	SERVING 3 OR MORE STOREYS	REQUIRED	REQUIRED	REQUIRED
	EXIT STAIR PATH MARKINGS	ALL STAIR COMPONENTS	REQUIRED	REQUIRED	REQUIRED
	PERIMETER DEMARCATION MARKING	COMPLYING WITH NFPA 101	REQUIRED	REQUIRED	REQUIRED
	LOCK, LATCHES & ALARM DEVICES	COMPLYING WITH NFPA 101	PERMITTED	PERMITTED	PERMITTED
	RE-ENTRY PROVISIONS	LOCKED STAIRS EXCEEDING 4 STOREYS	NOT REQUIRED	NOT REQUIRED	REQUIRED
3	RAMPS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED
		AS SECONDARY EXIT FOR ONE (1) BASEMENT LEVEL	PERMITTED	PERMITTED	PERMITTED
4	ROOF ACCESS	BUILDING EQUAL OR MORE THAN 4 STOREYS (G+3) OR ROOFS 12M ABOVE GRADE PLANE	NOT REQUIRED	NOT REQUIRED	REQUIRED
		WHERE OPEN STAIR/S ARE PERMITTED AND PROVIDED IN TYPE B AND TYPE C MERCANTILE OCCUPANCY	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED
		ONE AT EACH 9300M ² ROOF AREA OR FLAT ROOFS OR ROOF PITCH <3 IN 12	NOT REQUIRED	NOT REQUIRED	REQUIRED
	ROOF ACCESS COMPONENTS	SMOKE VENTS (FIXED WALL OPENING/S) AT THE TOP OF THE STAIRWELL WITH A MINIMUM AREA OF 1.5M ² .	NOT REQUIRED	REQUIRED	PERMITTED UP TO 18M HABITABLE HEIGHT
		STAIR ACCESS TO ROOF PROVIDED WITH OPERABLE DOORS	NOT REQUIRED	NOT REQUIRED	REQUIRED
5	SMOKE PROOF ENCLOSURES	FRR - FIRE RESISTANCE RATING / FRP - FIRE PROTECTION RATING			
	STAIR ENCLOSURES	ALL INTERIOR STAIRS SERVING AS AN EXIT COMPONENT	REQUIRED	REQUIRED	REQUIRED
		OPEN STAIR PENETRATING ONE (1) FLOOR/LEVEL ONLY	PERMITTED	PERMITTED	PERMITTED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS	MERCANTILE OCCUPANCIES				
	DEPARTMENT STORES / SHOPPING CENTERS / SUPERMARKETS / CONVENIENCE STORE / AUTOMOBILES SALES SHOWROOM / COMPUTER AND ELECTRONIC STORE / DRUGSTORES / AUCTION ROOMS / RESTAURANTS [<50 SEATING CAPACITY] / OPEN AIR MERCANTILE OCCUPANCIES (OPEN-AIR MARKETS, PETROL/GASOLINE FILLING STATIONS, ROADSIDE STANDS)	AN OCCUPANCY USED FOR THE DISPLAY AND SALE OF MERCHANDISE.				
II	OCCUPANCY CLASSIFICATION	BUILDING HEIGHT REQUIREMENTS		BUILDING AREA REQUIREMENTS		
A	TYPE C - MERCANTILE OCCUPANY	1 STOREY		<280 M ² GROSS AREA		
B	TYPE B - MERCANTILE OCCUPANY	≤3 STOREYS		>280 M ² - <2800 M ² GROSS AREA		
C	TYPE A - MERCANTILE OCCUPANY	>3 STOREYS		> 2800 M ² GROSS AREA		
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS		TYPE C	TYPE B	TYPE A
	FIRE FIGHTING LOBBY (F/F LOBBY)	IN EVERY FIRE LIFT PROVISIONS	REQUIRED IN EVERY FIRE LIFT PROVISIONS	REQUIRED IN EVERY FIRE LIFT PROVISIONS	REQUIRED IN EVERY FIRE LIFT PROVISIONS	
		ADJACENT AND ACCESSIBLE TO AN EXIT STAIRCASE				
		SERVES AS A COMMON LOBBY FOR BOTH FIRE LIFT AND THE ADJACENT EXIT STAIRCASE				
		6M ² MIN. AREA (2.0M LEAST SIDE DIMENSIONS)				
		PROVISIONS AT THE LEVEL OF EXIT DISCHARGE	NR-NOT REQUIRED	NR-NOT REQUIRED	NR-NOT REQUIRED	
	SMOKE-STOP LOBBY (S/S LOBBY)	HIGH-RISE BUILDINGS WITH HABITABLE HEIGHT HIGHER THAN 28 METERS	NOT APPLICABLE	NOT APPLICABLE	REQUIRED	
		BASEMENT LEVEL/S EXCEED 9.0M METERS DEPTH	REQUIRED ON ALL FLOOR LEVELS	REQUIRED ON ALL FLOOR LEVELS	REQUIRED ON ALL FLOOR LEVELS	
		BUILDING TRAVERSES MORE THAN FIVE (5) FLOOR LEVELS INCLUDING BASEMENT/S AND BELONGS TO A PLACE OF PUBLIC RESORT (ASSEMBLY & HEALTHCARE OCCUPANCY) REGARDLESS OF THE HABITABLE HEIGHT.	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	
		3M ² MIN. AREA (LEAST SIDE DIMENSION 1.8M)	REQUIRED	REQUIRED	REQUIRED	
		PROVISIONS AT THE LEVEL OF EXIT DISCHARGE	NOT APPLICABLE	NR - IF EXITS COMPLIES WITH EXIT DISCHARGE REQUIREMENTS	NR - IF EXITS COMPLIES WITH EXIT DISCHARGE REQ'TS	
	S/S & F/F LOBBY DOORS & WALL ENCLOSURES	1.5-HR FPR** FIRE PROTECTION RATING/ FRR* FIRE RESISTANCE RATING	REQUIRED	REQUIRED	REQUIRED	
6	HORIZONTAL EXITS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED	
7	EXIT PASSAGEWAYS	FIRE RATED ENCLOSURE & SEPARATION COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED	
		MINIMUM WIDTH NOT LESS THAN ⅓ OF THE WIDTH OF THE EXIT STAIR	REQUIRED	REQUIRED	REQUIRED	
8	ESCALATORS & MOVING WALKS	AS PART OF THE REQUIRED MEANS OF EGRESS	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED	



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS	MERCANTILE OCCUPANCIES			
	DEPARTMENT STORES / SHOPPING CENTERS / SUPERMARKETS / CONVENIENCE STORE / AUTOMOBILES SALES SHOWROOM / COMPUTER AND ELECTRONIC STORE / DRUGSTORES / AUCTION ROOMS / RESTAURANTS [<50 SEATING CAPACITY] / OPEN AIR MERCANTILE OCCUPANCIES (OPEN-AIR MARKETS, PETROL/GASOLINE FILLING STATIONS, ROADSIDE STANDS)	AN OCCUPANCY USED FOR THE DISPLAY AND SALE OF MERCHANDISE.			
II	OCCUPANCY CLASSIFICATION	BUILDING HEIGHT REQUIREMENTS		BUILDING AREA REQUIREMENTS	
A	TYPE C - MERCANTILE OCCUPANY	1 STOREY		<280 M ² GROSS AREA	
B	TYPE B - MERCANTILE OCCUPANY	≤3 STOREYS		>280 M ² - <2800 M ² GROSS AREA	
C	TYPE A - MERCANTILE OCCUPANY	>3 STOREYS		> 2800 M ² GROSS AREA	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	TYPE C	TYPE B	TYPE A
9	FIRE ESCAPE STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED
10	FIRE ESCAPE LADDERS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	NOT PERMITTED
11	SLIDE ESCAPES	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED
12	ALTERNATING TREAD DEVICES	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	NOT PERMITTED
13	AREAS OF REFUGE	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
14	ELEVATORS	AS PART OF THE REQUIRED MEANS OF EGRESS	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
		AS SECOND MEANS OF EGRESS FROM A TOWER AND COMPLYING WITH ASME A17.1/CSA B44	NOT APPLICABLE	NOT APPLICABLE	PERMITTED
	ELEVATOR DOORS	OPENING INTO EXIT ENCLOSURES	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
C	CAPACITY OF MEANS OF EGRESS	NFPA 101 TABLE 7.3.1.2 OCCUPANT LOAD FACTOR			
1	OCCUPANT LOAD	SALES AREA ON STREET FLOOR	2.8M ² PER PERSON	2.8M ² PER PERSON	2.8M ² PER PERSON
		SALES AREA ON 2 OR MORE STREET FLOORS	3.7M ² PER PERSON	3.7M ² PER PERSON	3.7M ² PER PERSON
		SALES AREA ON FLOOR BELOW STREET FLOOR	2.8M ² PER PERSON	2.8M ² PER PERSON	2.8M ² PER PERSON
		SALES AREA ON FLOORS ABOVE STREET FLOORS	5.6M ² PER PERSON	5.6M ² PER PERSON	5.6M ² PER PERSON
		FLOORS OR PORTIONS OF FLOORS USED ONLY FOR STORAGE, RECEIVING AND SHIPPING AND NOT OPEN TO GENERAL PUBLIC)	27.9M ² PER PERSON	27.9M ² PER PERSON	27.9M ² PER PERSON
2	EGRESS CAPACITY	NFPA 101 TABLE 7.3.3.1 CAPACITY FACTORS	REQUIRED	REQUIRED	REQUIRED
	STREET FLOOR EXITS	SIZE: STREET FLOOR PLUS THE REQ'D CAPACITY OF ALL STAIRS & RAMPS DISCHARGING ONTO THE STREET FLOOR	REQUIRED	REQUIRED	REQUIRED
	AISLES (LEADING DIRECTLY TO EXIT)	WIDTH ≥ REQUIRED WIDTH OF EXIT	REQUIRED	REQUIRED	REQUIRED
		CLEAR WIDTH 915MM	REQUIRED	REQUIRED	REQUIRED
		NOT LESS THAN 1 WITH 1525MM WIDTH	REQUIRED	REQUIRED	REQUIRED
	CARTS & BUGGIES	ADEQUATE PROVISION FOR TRANSIT & PARKING	REQUIRED	REQUIRED	REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS	MERCANTILE OCCUPANCIES						
	DEPARTMENT STORES / SHOPPING CENTERS / SUPERMARKETS / CONVENIENCE STORE / AUTOMOBILES SALES SHOWROOM / COMPUTER AND ELECTRONIC STORE / DRUGSTORES / AUCTION ROOMS / RESTAURANTS [<50 SEATING CAPACITY] / OPEN AIR MERCANTILE OCCUPANCIES (OPEN-AIR MARKETS, PETROL/GASOLINE FILLING STATIONS, ROADSIDE STANDS)	AN OCCUPANCY USED FOR THE DISPLAY AND SALE OF MERCHANDISE.						
II	OCCUPANCY CLASSIFICATION	BUILDING HEIGHT REQUIREMENTS			BUILDING AREA REQUIREMENTS			
A	TYPE C - MERCANTILE OCCUPANY	1 STOREY			<280 M ² GROSS AREA			
B	TYPE B - MERCANTILE OCCUPANY	≤3 STOREYS			>280 M ² - <2800 M ² GROSS AREA			
C	TYPE A - MERCANTILE OCCUPANY	>3 STOREYS			> 2800 M ² GROSS AREA			
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS		TYPE C	TYPE B		TYPE A	
D	NUMBER OF EXITS							
1	SINGLE EXIT	IN MEZZANINES WITH EXIT TRAVEL WITHIN COMMON PATH LIMIT	PERMITTED		PERMITTED		PERMITTED	
		IN ANY SECTION WITH EXIT TRAVEL WITHIN COMMON PATH LIMIT	PERMITTED		NOT PERMITTED		NOT PERMITTED	
2	NOT LESS THAN 2 SEPARATE EXITS	50 - 500 OCCUPANTS	REQUIRED		REQUIRED		REQUIRED	
		ON EVERY STORY AND ACCESSIBLE FROM EVERY PART OF EVERY STORY	REQUIRED		REQUIRED		REQUIRED	
3	NOT LESS THAN 3 SEPARATE EXITS	EQUAL OR MORE THAN 500 OCCUPANTS	REQUIRED		REQUIRED		REQUIRED	
4	NOT LESS THAN 4 SEPARATE EXITS	EQUAL OR MORE THAN 1000 OCCUPANTS	REQUIRED		REQUIRED		REQUIRED	
E	ARRANGEMENT OF EXITS	(NS*-NOT SPRINKLERED / S**-SPRINKLERED)	NS*	S**	NS*/S**	NS*/S**	NS*	S**
1	TRAVEL DISTANCE	NFPA 101 TABLE A.7.6	23M	30M	46M	76M	46M	76M
2	COMMON PATH LIMIT	NFPA 101 TABLE A.7.6	23M	30M	23M	30M	23M	30M
3	DEAD-END CORRIDOR	NFPA 101 TABLE A.7.6	6.1M	15M	6.1M	15M	6.1M	15M
4	EXIT DISCHARGE							
	EXTERIOR DISCHARGE	COMPLYING WITH NFPA 101	REQUIRED		REQUIRED		REQUIRED	
	THROUGH AREAS ON LEVEL OF EXIT DISCHARGE	MAXIMUM 10M TRAVEL DISTANCE TO BUILDING EXTERNAL	PERMITTED		PERMITTED		PERMITTED	
		50% OF THE REQUIRED NUMBER OF EXITS & 50% OF THE REQUIRED EXIT CAPACITY (SPRINKLER PROTECTED)	PERMITTED		PERMITTED		PERMITTED	
5	EXTERIOR WAYS OF EXIT	COMPLYING WITH NFPA 101	PERMITTED		PERMITTED		PERMITTED	
6	ACCESSIBLE MEANS OF EGRESS	EXIT PROVISIONS FOR PEOPLE WITH SEVERE MOBILITY IMPAIRMENT	REQUIRED		REQUIRED		REQUIRED	
		NOT LESS THAN 2 EXITS						



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		MERCANTILE OCCUPANCIES		
	DEPARTMENT STORES / SHOPPING CENTERS / SUPERMARKETS / CONVENIENCE STORE / AUTOMOBILES SALES SHOWROOM / COMPUTER AND ELECTRONIC STORE / DRUGSTORES / AUCTION ROOMS / RESTAURANTS [<50 SEATING CAPACITY] / OPEN AIR MERCANTILE OCCUPANCIES (OPEN-AIR MARKETS, PETROL/GASOLINE FILLING STATIONS, ROADSIDE STANDS)		AN OCCUPANCY USED FOR THE DISPLAY AND SALE OF MERCHANDISE.		
II	OCCUPANCY CLASSIFICATION		BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS	
A	TYPE C - MERCANTILE OCCUPANCY		1 STOREY	<280 M ² GROSS AREA	
B	TYPE B - MERCANTILE OCCUPANCY		≤3 STOREYS	>280 M ² - <2800 M ² GROSS AREA	
C	TYPE A - MERCANTILE OCCUPANCY		>3 STOREYS	> 2800 M ² GROSS AREA	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	TYPE C	TYPE B	TYPE A
7	ILLUMINATION OF MEANS OF EGRESS		COMPLYING WITH CHAPTER 7 NFPA 101	NOT REQUIRED	REQUIRED
8	EMERGENCY LIGHTING		THE BUILDING IS 3 OR MORE STORIES IN HEIGHT	NOT REQUIRED	REQUIRED
			OCCUPANCY SUBJECT TO 50 OR MORE OCCUPANTS ABOVE OR BELOW THE LEVEL OF EXIT DISCHARGE	REQUIRED	REQUIRED
8	EMERGENCY LIGHTING (CONTINUED)		OCCUPANCY SUBJECT TO 300 OR MORE TOTAL OCCUPANTS	REQUIRED	REQUIRED
9	MARKINGS OF MEANS OF EGRESS		COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED
F	SPECIAL MEANS OF EGRESS PROVISIONS				
1	FIREMEN ACCESS PANELS		HABITABLE HEIGHT EXCEEDING 10M	NOT REQUIRED	REQUIRED WITH ≥10M HABITABLE HEIGHT
2	REFUGE FLOORS		BUILDING EXCEEDING 30 STORIES	NOT REQUIRED	NOT REQUIRED
3	ELEVATORS FOR OCCUPANT CONTROLLED EVACUATION PRIOR TO PHASE I EMERGENCY RECALL OPERATIONS		COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED
V	INTERIOR FINISH CONTENTS AND FURNISHING				
A	INTERIOR FINISH		COMPLYING WITH CHAPTER 10 OF NFPA 101		
1	INTERIOR WALL & CEILING FINISHES		CLASS A OR CLASS B IN EXITS & EXIT ACCESS CORRIDORS	REQUIRED	REQUIRED
2	INTERIOR FLOOR FINISHES		CLASS II IN EXIT ENCLOSURE	REQUIRED	REQUIRED
VI	FEATURES OF FIRE PROTECTION (NFPA 5000 TABLES 7.2.1.1, 7.3.2.1, 7.3.5 (a), (b), 7.3.5.5, 7.4.1)				
A	CONSTRUCTION		COMPLYING WITH CHAPTER 7 & 8 OF NFPA 5000		
1	CONSTRUCTION (NON-COMBUSTIBLE OR LIMITED COMBUSTIBLE MATERIALS)	TYPE I OR TYPE II	EXTERIOR BEARING WALLS	HOURLY RATINGS REQUIRED PER TYPE OF CONSTRUCTION BASED ON NFPA 5000 HEIGHT & AREA REQUIREMENTS	HOURLY RATINGS REQUIRED PER TYPE OF CONSTRUCTION BASED ON NFPA 5000 HEIGHT & AREA REQUIREMENTS
			FRAMING, COLUMNS, BEAMS, GIRDERS, TRUSSES		
			FLOOR CONSTRUCTION		



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		MERCANTILE OCCUPANCIES		
	DEPARTMENT STORES / SHOPPING CENTERS / SUPERMARKETS / CONVENIENCE STORE / AUTOMOBILES SALES SHOWROOM / COMPUTER AND ELECTRONIC STORE / DRUGSTORES / AUCTION ROOMS / RESTAURANTS [<50 SEATING CAPACITY] / OPEN AIR MERCANTILE OCCUPANCIES (OPEN-AIR MARKETS, PETROL/GASOLINE FILLING STATIONS, ROADSIDE STANDS)		AN OCCUPANCY USED FOR THE DISPLAY AND SALE OF MERCHANDISE.		
II	OCCUPANCY CLASSIFICATION		BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS	
A	TYPE C - MERCANTILE OCCUPANCY		1 STOREY	<280 M ² GROSS AREA	
B	TYPE B - MERCANTILE OCCUPANCY		≤3 STOREYS	>280 M ² - <2800 M ² GROSS AREA	
C	TYPE A - MERCANTILE OCCUPANCY		>3 STOREYS	> 2800 M ² GROSS AREA	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	TYPE C	TYPE B	TYPE A
B	COMPARTMENTATION / SUBDIVISION OF BUILDING SPACES	COMPLYING WITH NFPA 101 & NFPA 5000	REQUIRED	REQUIRED	REQUIRED
1	FIRE BARRIES	COMPLYING WITH NFPA 101 & NFPA 5000	REQUIRED	REQUIRED	REQUIRED
	TENANT SPACES	SPRINKLER PROTECTED OR NON-SPRINKLER PROTECTED	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED
	STORAGE AREAS	SPRINKLER PROTECTED	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED
		NON-SPRINKLER PROTECTED	1-HR FRR*	1-HR FRR*	1-HR FRR*
2	SEPARATION FROM OTHER OCCUPANCIES	COMPLYING WITH NFPA 101 TABLE 6.1.14.4.1 (a), (b)	REQUIRED	REQUIRED	REQUIRED
	MERCANTILE (BULK AND MALLS)	SPRINKLER PROTECTED	1-HR FRR*	1-HR FRR*	1-HR FRR*
		NON-SPRINKLER PROTECTED	2-HRS FRR*	2-HRS FRR*	2-HRS FRR*
	STORAGE (LOW/ORDINARY & HIGH HAZARD)	SPRINKLER PROTECTED	1-HR FRR*	1-HR FRR*	1-HR FRR*
		NON-SPRINKLER PROTECTED	2-HRS FRR*	2-HRS FRR*	2-HRS FRR*
3	CORRIDORS RATED SEPARATION	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
	REQUIRED SEPARATION	SPRINKLER PROTECTED	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED
		NON-SPRINKLER PROTECTED	1-HR FRR*	1-HR FRR*	1-HR FRR*
4	SMOKE PARTITIONS	COMPLYING WITH NFPA 101 & NFPA 5000	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED
5	SMOKE BARRIERS	COMPLYING WITH NFPA 101 & NFPA 5000	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED
C	VERTICAL OPENINGS PROTECTION	PROTECTION COMPLYING WITH NFPA CODES	REQUIRED	REQUIRED	REQUIRED
1	COMMUNICATING SPACES	COMPLYING WITH CHAPTER 8 NFPA 101	PERMITTED	PERMITTED	PERMITTED
2	ATRIUMS	COMPLYING WITH CHAPTER 8 NFPA 101	PERMITTED	PERMITTED	PERMITTED
3	CONVENIENCE OPENINGS	COMPLYING WITH CHAPTER 8 NFPA 101	PERMITTED	PERMITTED	PERMITTED
4	SHAFTS	COMPLYING WITH CHAPTER 8 NFPA 101	PERMITTED	PERMITTED	PERMITTED
5	MEZZANINES	COMPLYING WITH CHAPTER 8 NFPA 101	PERMITTED	PERMITTED	PERMITTED
6	CONCEALED SPACES & DRAFSTOPS	COMPLYING WITH CHAPTER 8 NFPA 101	REQUIRED	REQUIRED	REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		MERCANTILE OCCUPANCIES		
	DEPARTMENT STORES / SHOPPING CENTERS / SUPERMARKETS / CONVENIENCE STORE / AUTOMOBILES SALES SHOWROOM / COMPUTER AND ELECTRONIC STORE / DRUGSTORES / AUCTION ROOMS / RESTAURANTS [<50 SEATING CAPACITY] / OPEN AIR MERCANTILE OCCUPANCIES (OPEN-AIR MARKETS, PETROL/GASOLINE FILLING STATIONS, ROADSIDE STANDS)		AN OCCUPANCY USED FOR THE DISPLAY AND SALE OF MERCHANDISE.		
II	OCCUPANCY CLASSIFICATION		BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS	
A	TYPE C - MERCANTILE OCCUPANY		1 STOREY	<280 M ² GROSS AREA	
B	TYPE B - MERCANTILE OCCUPANY		≤3 STOREYS	>280 M ² - <2800 M ² GROSS AREA	
C	TYPE A - MERCANTILE OCCUPANY		>3 STOREYS	> 2800 M ² GROSS AREA	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	TYPE C	TYPE B	TYPE A
	EXTERIOR & INTERIOR WALL & PARTITION	FIRESTOPPED AT EACH FLOOR LEVEL, TOP STORY CEILING LEVEL & AT THE LEVEL OF SUPPORT FOR ROOFS	REQUIRED	REQUIRED	REQUIRED
	UNOCCUPIED ATTIC SPACES	DRAFSTOP INTO AREAS NOT EXCEEDING 280M ²	REQUIRED	REQUIRED	REQUIRED
	CONCEALED SPACES (CEILINGS & FLOORS)	DRAFSTOP INTO AREAS NOT EXCEEDING 93M ²	REQUIRED	REQUIRED	REQUIRED
	CONCEALED SPACES (FLOORS & ROOFS)	DRAFSTOP INTO AREAS NOT EXCEEDING 280M ²	REQUIRED	REQUIRED	REQUIRED
VII	FIRE PROTECTION				
A	DETECTION ALARM AND COMMUNICATION SYSTEMS				
1	FIRE ALARM SYSTEM	BUILDING IS THREE (3) OR MORE STORIES IN HEIGHT	REQUIRED	REQUIRED	REQUIRED
		OCCUPANCY IS SUBJECT TO 50 OR MORE OCCUPANTS ABOVE OR BELOW THE LEVEL OF EXIT DISCHARGE	REQUIRED	REQUIRED	REQUIRED
		OCCUPANCY IS SUBJECT TO 300 OR MORE TOTAL OCCUPANTS	REQUIRED	REQUIRED	REQUIRED
B	EXTINGUISHING REQUIREMENTS	COMPLIANCE FROM INDIVIDUAL CODES & STANDARDS	REQUIRED	REQUIRED	REQUIRED
1	PORTABLE FIRE EXTINGUISHERS	TYPE AND RATING IN ACCORDANCE WITH NFPA 10	REQUIRED	REQUIRED	REQUIRED
2	FIRE BLANKETS	IN KITCHEN OR PANTRY	REQUIRED	REQUIRED	REQUIRED
3	STANDPIPE SYSTEM	BUILDING EXCEEDING 9M IN HEIGHT	NOT REQUIRED	REQUIRED	REQUIRED
4	FIRE HOSE REELS	25MM DIAMETER HOSE	NOT REQUIRED	REQUIRED	REQUIRED
5	AUTOMATIC SPRINKLER SYSTEM	>3 STOREYS OR 1115M ² GROSS AREA	NOT APPLICABLE	REQUIRED	REQUIRED
		232M ² BASEMENT USED FOR SALE & STORAGE	REQUIRED	REQUIRED	REQUIRED
		MIXED OCCUPANCIES	REQUIRED	REQUIRED	REQUIRED
		PROVIDED IN LIEU OF THE REQUIRED DRAFSTOPS IN CONCEALED SPACES	NOT REQUIRED	NOT REQUIRED	PERMITTED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		MERCANTILE OCCUPANCIES		
	DEPARTMENT STORES / SHOPPING CENTERS / SUPERMARKETS / CONVENIENCE STORE / AUTOMOBILES SALES SHOWROOM / COMPUTER AND ELECTRONIC STORE / DRUGSTORES / AUCTION ROOMS / RESTAURANTS [<50 SEATING CAPACITY] / OPEN AIR MERCANTILE OCCUPANCIES (OPEN-AIR MARKETS, PETROL/GASOLINE FILLING STATIONS, ROADSIDE STANDS)		AN OCCUPANCY USED FOR THE DISPLAY AND SALE OF MERCHANDISE.		
II	OCCUPANCY CLASSIFICATION		BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS	
A	TYPE C - MERCANTILE OCCUPANY		1 STOREY	<280 M ² GROSS AREA	
B	TYPE B - MERCANTILE OCCUPANY		≤3 STOREYS	>280 M ² - <2800 M ² GROSS AREA	
C	TYPE A - MERCANTILE OCCUPANY		>3 STOREYS	> 2800 M ² GROSS AREA	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	TYPE C	TYPE B	TYPE A
6	OTHER EXTINGUISHING EQUIPMENT	COMPLIANCE FROM INDIVIDUAL CODES & STANDARDS	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED
VIII	BUILDING SERVICES PROTECTION (ASS* AUTOMATIC SUPPRESSION SYSTEM)				
A	BUILDING UTILITIES		COMPLYING WITH CHAPTER 9 NFPA 101		
1	GAS EQUIPMENT & RELATED PIPING	PROTECTION AS PER NFPA 54 & NFPA 58	REQUIRED	REQUIRED	REQUIRED
2	ELECTRICAL SYSTEMS	COMPLYING WITH NFPA 70	REQUIRED	REQUIRED	REQUIRED
	ELECTRICAL EQUIPMENT ROOMS	AUTOMATIC SUPPRESSION SYSTEM or 2-HRS ENCLOSURE	REQUIRED	REQUIRED	REQUIRED
	SUBSTATIONS & SWITCHGEARS	ATTACHED TO OCCUPIED BUILDINGS REQUIRED PROTECTION	3-HRS FRR* or ASS*	3-HRS FRR* or ASS*	3-HRS FRR* or ASS*
		STANDALONE TRANSFORMER VAULT REQUIRED PROTECTION	3-HRS FRR* or 2-HRS with ASS	3-HRS FRR* or 2-HRS with ASS	3-HRS FRR* or 2-HRS with ASS
		EXPLOSION PROTECTION	ASS* & 2-HRS FRR* ENCLOSURE	ASS* & 2-HRS FRR* ENCLOSURE	ASS* & 2-HRS FRR* ENCLOSURE
3	COMMERCIAL COOKING EQUIPMENT	COMPLYING WITH NFPA 96	REQUIRED	REQUIRED	REQUIRED
	KITCHEN/PANTRY	ENCLOSURE FRR*	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED
	COOKING EQUIPMENT	EQUIPMENT USED ONLY FOR FOOD WARMING	PERMITTED	PERMITTED	PERMITTED
4	ELEVATORS, ESCALATORS & CONVEYORS	COMPLYING WITH ASME A17.1/CSA B44	REQUIRED	REQUIRED	REQUIRED
	FIRE FIGHTERS' EMERGENCY OPERATION	COMPLYING WITH CHAPTER 9 NFPA 101	NOT REQUIRED	NOT REQUIRED	REQUIRED
B	RUBBISH CHUTE, INCINERATORS & LAUNDRY CHUTES	COMPLYING WITH NFPA 82	REQUIRED	REQUIRED	REQUIRED
	ENCLOSURES	TRAVERSES EQUAL OR LESS THAN 3 STOREYS	1-HR FRR*	1-HR FRR*	1-HR FRR*
		TRAVERSES MORE THAN 3 STOREYS	2-HRS FRR*	2-HRS FRR*	2-HRS FRR*
	OPENING PROTECTIVE	TRAVERSES EQUAL OR LESS THAN 3 STOREYS	1-HR FPR**	1-HR FPR**	1-HR FPR**
		TRAVERSES MORE THAN 3 STOREYS	1.5-HR FPR**	1.5-HR FPR**	1.5-HR FPR**



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		MERCANTILE OCCUPANCIES		
	DEPARTMENT STORES / SHOPPING CENTERS / SUPERMARKETS / CONVENIENCE STORE / AUTOMOBILES SALES SHOWROOM / COMPUTER AND ELECTRONIC STORE / DRUGSTORES / AUCTION ROOMS / RESTAURANTS [<50 SEATING CAPACITY] / OPEN AIR MERCANTILE OCCUPANCIES (OPEN-AIR MARKETS, PETROL/GASOLINE FILLING STATIONS, ROADSIDE STANDS)		AN OCCUPANCY USED FOR THE DISPLAY AND SALE OF MERCHANDISE.		
II	OCCUPANCY CLASSIFICATION		BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS	
A	TYPE C - MERCANTILE OCCUPANY		1 STOREY	<280 M ² GROSS AREA	
B	TYPE B - MERCANTILE OCCUPANY		≤3 STOREYS	>280 M ² - <2800 M ² GROSS AREA	
C	TYPE A - MERCANTILE OCCUPANY		>3 STOREYS	> 2800 M ² GROSS AREA	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	TYPE C	TYPE B	TYPE A
C	EMERGENCY POWER SUPPLY SYSTEM	COMPLYING WITH NFPA 110	NOT REQUIRED	REQUIRED	REQUIRED
1	GENERATORS	ENCLOSURE	1-HR FRR*	1-HOUR FRP	1-HOUR FRP
D	FIRE PUMP ROOM	COMPLYING WITH NFPA 20	REQUIRED	REQUIRED	REQUIRED
1	ENCLOSURES	MORE THAN 15.3 M FROM ANY BUILDING	1-HR FRR*	1-HR FRR*	1-HR FRR*
		WITHIN 15.3M OR ATTACHED TO BUILDINGS	2-HRS FRR*	2-HRS FRR*	2-HRS FRR*
		THROUGHOUT SPRINKLER (BUILDING/S & PUMP ROOM)	1-HR FRR*	1-HR FRR*	1-HR FRR*
2	DIRECT SAFE ACCESS	EXTERNAL ACCESS WITHIN THE LEVEL OF DISCHARGE	REQUIRED	REQUIRED	REQUIRED
		WITHIN THREE (3) M FROM ANY EXIT THAT COMPLIES WITH DIRECT DISCHARGE REQUIREMENTS	PERMITTED	PERMITTED	PERMITTED
3	ACCESS COMPONENT (UNDERGROUND LOCATION)	STANDARD STAIR (OF ANY NON-COMBUSTIBLE OR LIMITED COMBUSTIBLE MATERIALS)	REQUIRED	REQUIRED	REQUIRED
		CAT STEEL LADDER	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
E	FIRE WATER TANKS	COMPLYING WITH NFPA 22	REQUIRED	REQUIRED	REQUIRED
1	WATER TANK MATERIALS	NON-COMBUSTIBLE MATERIAL	REQUIRED	REQUIRED	REQUIRED
		GRP TANKS (PROTECTED WITHIN 1-HR FIRE RATED ENCLOSURE)	PERMITTED	PERMITTED	PERMITTED
2	DESIGN/COMPARTMENTATION	TWO (2) COMPARTMENTS	REQUIRED	REQUIRED	REQUIRED
F	SMOKE CONTROL / EMERGENCY VENTILATION	COMPLYING WITH NFPA 92 & NFPA 204	NOT REQUIRED	REQUIRED	REQUIRED
1	VENTILATION BY ANY OF THE FOLLOWING: 1.1. NATURAL VENTILATION; 1.2. MECHANICAL VENTILATION BY POSITIVE VENTILATION (PRESSURIZATION) SYSTEM	EXIT STAIRCASES CONNECTS MORE THAN FIVE (5) STOREYS (LEVELS) INCLUDING THE BASEMENTS	REQUIRED	REQUIRED	REQUIRED
		AND/OR WHEN SMOKE STOP &/OR FIRE FIGHTING LOBBIES ARE REQUIRED	REQUIRED	REQUIRED	REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS	MERCANTILE OCCUPANCIES			
	DEPARTMENT STORES / SHOPPING CENTERS / SUPERMARKETS / CONVENIENCE STORE / AUTOMOBILES SALES SHOWROOM / COMPUTER AND ELECTRONIC STORE / DRUGSTORES / AUCTION ROOMS / RESTAURANTS [<50 SEATING CAPACITY] / OPEN AIR MERCANTILE OCCUPANCIES (OPEN-AIR MARKETS, PETROL/GASOLINE FILLING STATIONS, ROADSIDE STANDS)	AN OCCUPANCY USED FOR THE DISPLAY AND SALE OF MERCHANDISE.			
II	OCCUPANCY CLASSIFICATION	BUILDING HEIGHT REQUIREMENTS		BUILDING AREA REQUIREMENTS	
A	TYPE C - MERCANTILE OCCUPANCY	1 STOREY		<280 M ² GROSS AREA	
B	TYPE B - MERCANTILE OCCUPANCY	≤3 STOREYS		>280 M ² - <2800 M ² GROSS AREA	
C	TYPE A - MERCANTILE OCCUPANCY	>3 STOREYS		> 2800 M ² GROSS AREA	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	TYPE C	TYPE B	TYPE A
2	VENTILATION / SMOKE CONTROL SYSTEM BY ANY OF THE FOLLOWING: 1.1 NATURAL VENTILATION; 1.2 MECHANICAL VENTILATION & SMOKE CONTROL SYSTEM	BASEMENT LEVEL/S WITH FLOOR AREA (FA) EXCEEDING 500 SQ.M.	REQUIRED	REQUIRED	REQUIRED
		VERTICAL OPENINGS, ATRIUMS & OTHER LARGE VOLUME OF SPACES	REQUIRED	REQUIRED	REQUIRED
G	AIR-CONDITIONING & VENTILATION SYSTEM	COMPLYING WITH NFPA 90A & NFPA 90B AND OTHER RELEVANT, APPLICABLE NFPA CODES & STANDARDS	REQUIRED	REQUIRED	REQUIRED

Note:
 *This Fire Safety Guide is prepared to determine the minimum required Fire Safety provisions for each Occupancy Type as referenced from General Directorate of Civil Defence (GDCCD) adopted National Fire Protection Association (NFPA) Codes & Standards.
 For further guidance, the user is referred to the NFPA Codes and Standards and the General Fire Safety Requirements - Guidelines Annexes.
 **Occupancy Classification: Unless both the height and area requirements or criteria are met, the next higher classification or category SHALL apply.
 ®FPR*-FIRE RESISTANCE RATING ®FPR**.-FIRE PROTECTION RATING ®ASS-AUTOMATIC SPRINKLER SYSTEM / AUTOMATIC SUPPRESSION SYSTEM ®SS-SMOKE-STOP LOBBY ®FF-FIRE FIGHTING LOBBY
 ®NP-NOT PERMITTED ®P-PERMITTED ®N/A-NOT APPLICABLE ®R-REQUIRED ®NR-NOT REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

EDUCATIONAL OCCUPANCIES

I		APPLICATIONS	EDUCATIONAL OCCUPANCIES - SCHOOLS			
		KINDERGARTENS / SCHOOLS	OCCUPANCY USED FOR EDUCATIONAL PURPOSES THROUGH THE TWELFTH GRADE BY SIX OR MORE PERSONS FOR 4 OR MORE HOURS PER ADY OR MORE THAN 12 HOURS PER WEEK.			
II	OCCUPANCY CLASSIFICATION**		<i>BUILDING HEIGHT REQUIREMENTS</i>		<i>BUILDING AREA REQTS/OCCUPANT LOAD FACTOR (OLF)</i>	
A	KINDERGARTEN	KINDERGARTEN OF AGES 4-5 YEARS OLD	GROUND FLOOR (GF) ONLY		AS PER OLF 1.9 M²/PERSON NET	
B	PRIMARY	PRIMARY STUDENTS OF AGES 5-11 YEARS OLD	GF ONLY (6-8 YO)	G+1 (9-11 YO)	AS PER OLF 1.9 M²/PERSON NET	
C	PREPARATORY	PREPARATORY STUDENTS OF AGES 12-15 YEARS OLD	G+1 (2 STOREYS MAX.)		AS PER OLF 1.9 M²/PERSON NET	
D	SECONDARY	SECONDARY STUDENTS OF AGES 15-17 YEARS OLD	G+2 (3-STOREYS MAX.)		AS PER OLF 1.9 M²/PERSON NET	
	<i>FIRE SAFETY PROVISIONS</i>	<i>MINIMUM REQUIREMENTS</i>	KINDERGARTEN	PREPARATORY	PRIMARY	SECONDARY
III	BUILDING AND SITE ACCESS FOR FIRE FIGHTING & RESCUE					
A	SITE ACCESS	4.0M MINIMUM CLEAR WIDTH	REQUIRED	REQUIRED	REQUIRED	REQUIRED
		4.5M MINIMUM CLEAR HEIGHT				
B	ACCESS ROAD	4.0M MIN. WIDTH AND 24 TON LOAD CAPACITY	REQUIRED	REQUIRED	REQUIRED	REQUIRED
		WITHIN A TRAVEL DISTANCE OF 45M FROM EVERY POINT ON PROJECTED PLAN AREA OF ANY BUILDING.				
C	FIRE ENGINE HARDSTANDING	LENGTH OR NUMBER BASE ON THE GROSS FLOOR AREA OF THE BUILDING	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED	REQUIRED WHEN BUILDING HABITABLE HEIGHT EXCEEDS 10M
		6M X 15M (MINIMUM), WITH LONGER SIDE PARALLEL TO THE FAÇADE OF THE BUILDING				
		POSITIONED NOT LESS THAN 2M OR NOT MORE THAN 10M FROM THE CENTRE POSITION OF THE ACCESS OPENING, MEASURED HORIZONTALLY.				
D	FIRE COMMAND CENTER	WITH PROVISIONS OF AN EMERGENCY VOICE COMMUNICATION SYSTEM AND/OR SMOKE CONTROL SYSTEM	REQUIRED	REQUIRED	REQUIRED	REQUIRED
		9M ² MINIMUM AREA (LEAST DIMENSION 2.5M)				
		AT LEAST WITH 1M CLEARANCE FROM ALL EQUIPMENT				
		2-HOURS ENCLOSURES (WALLS & OPENINGS) PROVIDED WITH PROMINENTLY MARKED EXTERIOR ENTRANCES				



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		EDUCATIONAL OCCUPANCIES - SCHOOLS			
	KINDERGARTENS / SCHOOLS		OCCUPANCY USED FOR EDUCATIONAL PURPOSES THROUGH THE TWELFTH GRADE BY SIX OR MORE PERSONS FOR 4 OR MORE HOURS PER ADY OR MORE THAN 12 HOURS PER WEEK.			
II	OCCUPANCY CLASSIFICATION**		<i>BUILDING HEIGHT REQUIREMENTS</i>		<i>BUILDING AREA REQTS/OCCUPANT LOAD FACTOR (OLF)</i>	
A	KINDERGARTEN	KINDERGARTEN OF AGES 4-5 YEARS OLD	GROUND FLOOR (GF) ONLY		AS PER OLF 1.9 M²/PERSON NET	
B	PRIMARY	PRIMARY STUDENTS OF AGES 5-11 YEARS OLD	GF ONLY (6-8 YO)	G+1 (9-11 YO)	AS PER OLF 1.9 M²/PERSON NET	
C	PREPARATORY	PREPARATORY STUDENTS OF AGES 12-15 YEARS OLD	G+1 (2 STOREYS MAX.)		AS PER OLF 1.9 M²/PERSON NET	
D	SECONDARY	SECONDARY STUDENTS OF AGES 15-17 YEARS OLD	G+2 (3-STOREYS MAX.)		AS PER OLF 1.9 M²/PERSON NET	
	<i>FIRE SAFETY PROVISIONS</i>	<i>MINIMUM REQUIREMENTS</i>	KINDERGARTEN	PREPARATORY	PRIMARY	SECONDARY
E	FIRE LIFT	BUILDINGS EQUAL OR MORE THAN 28M HIGH ABOVE ENGINE ACCESS LEVEL.	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
		EXCEEDS 9.0M BELOW THE LEVEL OF EXIT DISCHARGE	REQUIRED	REQUIRED	REQUIRED	REQUIRED
		SERVES ALL HABITABLE FLOORS	REQUIRED IN EVERY FIRE SERVICE ACCESS ELEVATOR/FIRE LIFT PROVISIONS	REQUIRED IN EVERY FIRE SERVICE ACCESS ELEVATOR/FIRE LIFT PROVISIONS	REQUIRED IN EVERY FIRE SERVICE ACCESS ELEVATOR/FIRE LIFT PROVISIONS	REQUIRED IN EVERY FIRE SERVICE ACCESS ELEVATOR/FIRE LIFT PROVISIONS
		CONTAINED WITHIN A DEDICATED PROTECTED SHAFT				
		APPROACHED BY FIRE FIGHTING LOBBY AT EACH STOREY				
		ADJACENT AND ACCESSIBLE TO AN EXIT STAIRCASE				
		FIRE SERVICE ACCESS ELEVATORS/FIRE LIFT AS PER NFPA 5000 (2012 Ed.) CHAP. 54.12	BUILDINGS EXCEEDS 9.0M BELOW THE LEVEL OF EXIT DISCHARGE	BUILDINGS EXCEEDS 9.0M BELOW THE LEVEL OF EXIT DISCHARGE	BUILDINGS EXCEEDS 9.0M BELOW THE LEVEL OF EXIT DISCHARGE	BUILDINGS EXCEEDS 9.0M BELOW THE LEVEL OF EXIT DISCHARGE
		AMBULANCE STRETCHER ACCOMMODATION ELEVATOR/LIFT AS PER NFPA 5000 (2012 Ed.) CHAP. 54.3	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED
WHEN REQUIRED, AT LEAST ONE (1) FIRE LIFT FOR EVERY 900 SQM. FLOOR AREA	REQUIRED IN EVERY FIRE LIFT PROVISIONS	REQUIRED IN EVERY FIRE LIFT PROVISIONS	REQUIRED IN EVERY FIRE LIFT PROVISIONS	REQUIRED IN EVERY FIRE LIFT PROVISIONS		
IV	MEANS OF EGRESS					
A	MEANS OF EGRESS GENERAL REQUIREMENTS					
1	SEPARATION OF MEANS OF EGRESS					
	EXIT ACCESS CORRIDORS	SERVING AN AREA HAVING AN OCCUPANT LOAD EXCEEDING 30	1-HR FRR*	1-HR FRR*	1-HR FRR*	1-HR FRR*
	EXITS ENCLOSURE	CONNECTS 3 OR FEWER STORIES	NA-NOT APPLICABLE	NA 1-HR FRR*	1-HR FRR*	1-HR FRR*



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		EDUCATIONAL OCCUPANCIES - SCHOOLS			
	KINDERGARTENS / SCHOOLS		OCCUPANCY USED FOR EDUCATIONAL PURPOSES THROUGH THE TWELFTH GRADE BY SIX OR MORE PERSONS FOR 4 OR MORE HOURS PER ADY OR MORE THAN 12 HOURS PER WEEK.			
II	OCCUPANCY CLASSIFICATION**		<i>BUILDING HEIGHT REQUIREMENTS</i>		<i>BUILDING AREA REQTS/OCCUPANT LOAD FACTOR (OLF)</i>	
A	KINDERGARTEN	KINDERGARTEN OF AGES 4-5 YEARS OLD	GROUND FLOOR (GF) ONLY		AS PER OLF 1.9 M²/PERSON NET	
B	PRIMARY	PRIMARY STUDENTS OF AGES 5-11 YEARS OLD	GF ONLY (6-8 YO)	G+1 (9-11 YO)	AS PER OLF 1.9 M²/PERSON NET	
C	PREPARATORY	PREPARATORY STUDENTS OF AGES 12-15 YEARS OLD	G+1 (2 STOREYS MAX.)		AS PER OLF 1.9 M²/PERSON NET	
D	SECONDARY	SECONDARY STUDENTS OF AGES 15-17 YEARS OLD	G+2 (3-STOREYS MAX.)		AS PER OLF 1.9 M²/PERSON NET	
	<i>FIRE SAFETY PROVISIONS</i>	<i>MINIMUM REQUIREMENTS</i>	KINDERGARTEN	PREPARATORY	PRIMARY	SECONDARY
	OPENING PROTECTIVE	FIRE DOOR ASSEMBLIES EQUIPPED WITH DOOR CLOSERS	REQUIRED	REQUIRED	REQUIRED	REQUIRED
	CONSTRUCTION	LIMITED OR NON-COMBUSTIBLE MATERIALS	REQUIRED	REQUIRED	REQUIRED	REQUIRED
	OPENINGS AND PENETRATIONS IN EXIT ENCLOSURE	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED	REQUIRED
2	EXITS HEADROOM (STAIRS)	NOT LESS THAN 2285MM	REQUIRED	REQUIRED	REQUIRED	REQUIRED
3	WALKING SURFACES IN THE MEANS OF EGRESS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED	REQUIRED
4	CHANGES IN LEVEL IN THE MEANS OF EGRESS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED	REQUIRED
5	GUARDS	PROVIDED AT THE OPEN SIDES OF MEANS OF EGRESS 760MM ABOVE THE FLOOR OR FINISHED GROUND LEVEL	REQUIRED	REQUIRED	REQUIRED	REQUIRED
6	IMPEDIMENT TO EGRESS		NOT PERMITTED	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
7	MEANS OF EGRESS RELIABILITY	CONTINUOUSLY MAINTAINED FREE OF ALL OBSTRUCTION OR IMPEDIMENTS	REQUIRED	REQUIRED	REQUIRED	REQUIRED
8	FURNISHING AND DECORATION IN A MEANS OF EGRESS	FURNITURES OR MOVABLE OBJECTS, MIRRORS, ETC.	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
	CLOTHING & PERSONAL EFFECTS	STORED IN NON-SPRINKLER PROTECTED CORRIDORS	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
		STORED IN SPRINKLER PROTECTED CORRIDORS	PERMITTED	PERMITTED	PERMITTED	PERMITTED
		IN CORRIDORS PROVIDED WITH SMOKE DETECTION				
		STORAGE IN METAL LOCKERS ALONG CORRIDORS	PERMITTED PROVIDED REQUIRED EGRESS MAINTAINED	PERMITTED PROVIDED REQUIRED EGRESS MAINTAINED	PERMITTED PROVIDED REQUIRED EGRESS MAINTAINED	PERMITTED PROVIDED REQUIRED EGRESS MAINTAINED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		EDUCATIONAL OCCUPANCIES - SCHOOLS			
	KINDERGARTENS / SCHOOLS		OCCUPANCY USED FOR EDUCATIONAL PURPOSES THROUGH THE TWELFTH GRADE BY SIX OR MORE PERSONS FOR 4 OR MORE HOURS PER ADY OR MORE THAN 12 HOURS PER WEEK.			
II	OCCUPANCY CLASSIFICATION**		<i>BUILDING HEIGHT REQUIREMENTS</i>		<i>BUILDING AREA REQTS/OCCUPANT LOAD FACTOR (OLF)</i>	
A	KINDERGARTEN	KINDERGARTEN OF AGES 4-5 YEARS OLD	GROUND FLOOR (GF) ONLY		AS PER OLF 1.9 M²/PERSON NET	
B	PRIMARY	PRIMARY STUDENTS OF AGES 5-11 YEARS OLD	GF ONLY (6-8 YO)	G+1 (9-11 YO)	AS PER OLF 1.9 M²/PERSON NET	
C	PREPARATORY	PREPARATORY STUDENTS OF AGES 12-15 YEARS OLD	G+1 (2 STOREYS MAX.)		AS PER OLF 1.9 M²/PERSON NET	
D	SECONDARY	SECONDARY STUDENTS OF AGES 15-17 YEARS OLD	G+2 (3-STOREYS MAX.)		AS PER OLF 1.9 M²/PERSON NET	
	<i>FIRE SAFETY PROVISIONS</i>	<i>MINIMUM REQUIREMENTS</i>	KINDERGARTEN	PREPARATORY	PRIMARY	SECONDARY
	ART WORK & TEACHING MATERIALS	SPRINKLER PROTECTED	NOT MORE THAN 50% OF THE WALL AREA	NOT MORE THAN 50% OF THE WALL AREA	NOT MORE THAN 50% OF THE WALL AREA	NOT MORE THAN 50% OF THE WALL AREA
		NOT SPRINKLER PROTECTED	NOT MORE THAN 20% OF THE WALL AREA	NOT MORE THAN 20% OF THE WALL AREA	NOT MORE THAN 20% OF THE WALL AREA	NOT MORE THAN 20% OF THE WALL AREA
B	MEANS OF EGRESS COMPONENTS		FPR** FIRE PROTECTION RATING			
1	FIRE DOORS		COMPLYING WITH CHAPTER 7 NFPA 101			
	SIDE-HINGE OR PIVOTED-SWINGING TYPE	ANY DOOR ASSEMBLY IN A MEANS OF EGRESS	REQUIRED	REQUIRED	REQUIRED	REQUIRED
		MINIMUM DOOR LEAF WIDTH	810MM (32IN.)	810MM	810MM (32IN.)	810MM (32IN.)
	HORIZONTAL SLIDING DOORS	COMPLYING WITH CHAPTER 7 NFPA 101	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
	VERTICAL ROLLING DOORS	COMPLYING WITH CHAPTER 7 NFPA 101	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
	REVOLVING DOORS/POWERED DOORS	COMPLYING WITH CHAPTER 7 NFPA 101				
	SELF-CLOSING DEVICES	IN ALL DOORS REQUIRED TO BE NORMALLY KEPT CLOSED	REQUIRED	REQUIRED	REQUIRED	REQUIRED
2	STAIRS					
	STANDARD STAIRS	FEWER THAN 50 PERSON (CLEAR WIDTH)	915MM	915MM	915MM	915MM
		< 2000 PERSON (CLEAR WIDTH)	1120MM	1120MM	1120MM	1120MM
		≥ 2000 PERSON (CLEAR WIDTH)	1420MM	1420MM	1420MM	1420MM
	SPIRAL STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101	NOT APPLICABLE	N/A-NOT APPLICABLE	NOT PERMITTED	NOT PERMITTED
	CURVE STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101				
	WINDERS	COMPLYING WITH CHAPTER 7 NFPA 101				
	GUARDS AND HANDRAILS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED	REQUIRED
	ENCLOSURE AND PROTECTION OF EXIT STAIRS					
	ENCLOSURES	ALL INSIDE STAIR SERVING AS AN EXIT COMPONENT	N/A-NOT APPLICABLE	N/A	R	R-REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		EDUCATIONAL OCCUPANCIES - SCHOOLS					
	KINDERGARTENS / SCHOOLS		OCCUPANCY USED FOR EDUCATIONAL PURPOSES THROUGH THE TWELFTH GRADE BY SIX OR MORE PERSONS FOR 4 OR MORE HOURS PER ADY OR MORE THAN 12 HOURS PER WEEK.					
II	OCCUPANCY CLASSIFICATION**		<i>BUILDING HEIGHT REQUIREMENTS</i>			<i>BUILDING AREA REQTS/OCCUPANT LOAD FACTOR (OLF)</i>		
A	KINDERGARTEN	KINDERGARTEN OF AGES 4-5 YEARS OLD	GROUND FLOOR (GF) ONLY			AS PER OLF 1.9 M²/PERSON NET		
B	PRIMARY	PRIMARY STUDENTS OF AGES 5-11 YEARS OLD	GF ONLY (6-8 YO)	G+1 (9-11 YO)		AS PER OLF 1.9 M²/PERSON NET		
C	PREPARATORY	PREPARATORY STUDENTS OF AGES 12-15 YEARS OLD	G+1 (2 STOREYS MAX.)			AS PER OLF 1.9 M²/PERSON NET		
D	SECONDARY	SECONDARY STUDENTS OF AGES 15-17 YEARS OLD	G+2 (3-STOREYS MAX.)			AS PER OLF 1.9 M²/PERSON NET		
	<i>FIRE SAFETY PROVISIONS</i>	<i>MINIMUM REQUIREMENTS</i>	KINDERGARTEN	PREPARATORY	PRIMARY	SECONDARY		
	ENCLOSURES	DOORS FPR**	≤3 STOREYS / ≥3 STOREYS	N/A-NOT APPLICABLE	N/A	1-HR FPR**	1-HR FPR**	1-HR FPR**
		ENCLOSURES FRR*	≤3 STOREYS / ≥3 STOREYS	N/A-NOT APPLICABLE	N/A	1-HR FRR*	1-HR FRR*	1-HR FRR*
	ENCLOSURE EXEMPTION	PENETRATING ONE FLOOR LEVEL OR SERVING MEZZANINE ONLY	N/A-NOT APPLICABLE	N/A	NP	NP-NOT PERMITTED	NP-NOT PERMITTED	
	EXPOSURES	WALLS AND OPENINGS WITHIN 3050MM HORIZONTALLY OF AN EXTERIOR STAIRWAY ENCLOSURE	N/A-NOT APPLICABLE	N/A	1-HR FRR*	1-HR FRR*	1-HR FRR*	
	USEABLE SPACE	WITHIN EXIT ENCLOSURE	N/A-NOT APPLICABLE	N/A	NP	NP-NOT PERMITTED	NP-NOT PERMITTED	
		UNDER STAIRS IN ACCORDANCE WITH NFPA 101	N/A-NOT APPLICABLE	N/A	P	P-PERMITTED	P-PERMITTED	
	STAIRWAY IDENTIFICATION	SERVING 3 OR MORE STOREYS	N/A-NOT APPLICABLE	N/A-NOT APPLICABLE		N/A-NOT APPLICABLE	REQUIRED	
	EXIT STAIR PATH MARKINGS	ALL STAIR COMPONENTS	N/A-NOT APPLICABLE	N/A	R	R-REQUIRED	RREQUIRED	
	PERIMETER DEMARCATION MARKING	COMPLYING WITH NFPA 101	N/A-NOT APPLICABLE	N/A	P	P-PERMITTED	P-PERMITTED	
	LOCK, LATCHES & ALARM DEVICES	COMPLYING WITH NFPA 101	N/A-NOT APPLICABLE	N/A	P	P-PERMITTED	P-PERMITTED	
	RE-ENTRY PROVISIONS	LOCKED STAIRS EXCEEDING 4 STOREYS	N/A NOT APPLICABLE	N/A NOT APPLICABLE		N/A NOT APPLICABLE	N/A NOT APPLICABLE	
3	RAMPS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED		R-REQUIRED	REQUIRED	
		AS SECONDARY EXIT FOR ONE (1) BASEMENT LEVEL ONLY	NOT APPLICABLE	NOT APPLICABLE		NOT PERMITTED	NOT PERMITTED	
4	ROOF ACCESS	BUILDING EQUAL OR MORE THAN 4 STOREYS (G+3) OR ROOFS 12M ABOVE GRADE PLANE	N/A NOT APPLICABLE	N/A NOT APPLICABLE		NOT REQUIRED	REQUIRED	
		WHERE OPEN STAIR/S ARE PERMITTED AND PROVIDED						
		ONE AT EACH 9300M ² ROOF AREA OR FLAT ROOFS OR ROOF PITCH <3 IN 12						



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		EDUCATIONAL OCCUPANCIES - SCHOOLS				
	KINDERGARTENS / SCHOOLS		OCCUPANCY USED FOR EDUCATIONAL PURPOSES THROUGH THE TWELFTH GRADE BY SIX OR MORE PERSONS FOR 4 OR MORE HOURS PER ADY OR MORE THAN 12 HOURS PER WEEK.				
II	OCCUPANCY CLASSIFICATION**		BUILDING HEIGHT REQUIREMENTS		BUILDING AREA REQTS/OCCUPANT LOAD FACTOR (OLF)		
A	KINDERGARTEN	KINDERGARTEN OF AGES 4-5 YEARS OLD	GROUND FLOOR (GF) ONLY		AS PER OLF 1.9 M ² /PERSON NET		
B	PRIMARY	PRIMARY STUDENTS OF AGES 5-11 YEARS OLD	GF ONLY (6-8 YO)	G+1 (9-11 YO)	AS PER OLF 1.9 M ² /PERSON NET		
C	PREPARATORY	PREPARATORY STUDENTS OF AGES 12-15 YEARS OLD	G+1 (2 STOREYS MAX.)		AS PER OLF 1.9 M ² /PERSON NET		
D	SECONDARY	SECONDARY STUDENTS OF AGES 15-17 YEARS OLD	G+2 (3-STOREYS MAX.)		AS PER OLF 1.9 M ² /PERSON NET		
	<i>FIRE SAFETY PROVISIONS</i>	<i>MINIMUM REQUIREMENTS</i>	KINDERGARTEN	PREPARATORY	PRIMARY	SECONDARY	
	ROOF ACCESS COMPONENTS	SMOKE VENTS (FIXED WALL OPENING/S) AT THE TOP OF THE STAIRWELL WITH A MINIMUM AREA OF 1.5M ² . STAIR ACCESS TO ROOF WITH OPERABLE DOORS	N/A NOT APPLICABLE	N/A NOT APPLICABLE	NOT REQUIRED	REQUIRED	
5	SMOKE PROOF ENCLOSURES	FRR* (FIRE RESISTANCE RATING)					
	STAIR ENCLOSURES	ALL INSIDE STAIR SERVING AS AN EXIT COMPONENT	N/A NOT APPLICABLE	N/A	R	R-REQUIRED	R-REQUIRED
	STAIR ENCLOSURES	OPEN STAIR PENETRATING ONE (1) FLOOR/LEVEL ONLY	N/A NOT APPLICABLE	N/A	P	PERMITTED IF UTILIZED AS AN ACCESS AND NOT AS AN EXIT COMPONENT	PERMITTED IF UTILIZED AS AN ACCESS AND NOT AS AN EXIT COMPONENT
	FIRE FIGHTING LOBBY	COMPLYING WITH FIRE FIGHTING LOBBY REQUIREMENTS	N/A NOT APPLICABLE	N/A	NR	NR-NOT REQUIRED	NR-NOT REQUIRED
	LOBBY DOORS & WALL ENCLOSURES	1.5-HR FPR** FIRE PROTECTION RATING					
	SMOKE-STOP LOBBY (VESTIBUE)	COMPLYING WITH SMOKE-STOP LOBBY REQUIREMENTS					
6	HORIZONTAL EXITS	COMPLYING WITH CHAPTER 7 NFPA 101	1-HR FRR*	1-HR FRR*	1-HR FRR*	1-HR FRR*	
7	EXIT PASSAGEWAYS	ENCLOSURE & SEPARATION FIRE RESISTANCE RATING MINIMUM WIDTH AS PER EXIT CAPACITY FACTOR &/OR NOT LESS THAN ¾ OF THE WIDTH OF THE EXIT STAIR	REQUIRED	REQUIRED	REQUIRED	REQUIRED	
8	FIRE ESCAPE STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED	PERMITTED	
9	FIRE ESCAPE LADDERS	COMPLYING WITH CHAPTER 7 NFPA 101	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED	
10	AREAS OF REFUGE	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED	REQUIRED	



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		EDUCATIONAL OCCUPANCIES - SCHOOLS							
			OCCUPANCY USED FOR EDUCATIONAL PURPOSES THROUGH THE TWELFTH GRADE BY SIX OR MORE PERSONS FOR 4 OR MORE HOURS PER ADY OR MORE THAN 12 HOURS PER WEEK.							
II	OCCUPANCY CLASSIFICATION**		BUILDING HEIGHT REQUIREMENTS				BUILDING AREA REQTS/OCCUPANT LOAD FACTOR (OLF)			
A	KINDERGARTEN	KINDERGARTEN OF AGES 4-5 YEARS OLD	GROUND FLOOR (GF) ONLY				AS PER OLF 1.9 M ² /PERSON NET			
B	PRIMARY	PRIMARY STUDENTS OF AGES 5-11 YEARS OLD	GF ONLY (6-8 YO)	G+1 (9-11 YO)			AS PER OLF 1.9 M ² /PERSON NET			
C	PREPARATORY	PREPARATORY STUDENTS OF AGES 12-15 YEARS OLD	G+1 (2 STOREYS MAX.)				AS PER OLF 1.9 M ² /PERSON NET			
D	SECONDARY	SECONDARY STUDENTS OF AGES 15-17 YEARS OLD	G+2 (3-STOREYS MAX.)				AS PER OLF 1.9 M ² /PERSON NET			
	FIRE SAFETY PROVISIONS		MINIMUM REQUIREMENTS		KINDERGARTEN	PREPARATORY	PRIMARY	SECONDARY		
11	ELEVATORS	AS PART OF THE REQUIRED MEANS OF EGRESS	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
		AS SECOND MEANS OF EGRESS								
	ELEVATOR DOORS	OPENING INTO EXIT ENCLOSURES								
C	CAPACITY OF MEANS OF EGRESS	NFPA 101 TABLE 7.3.1.2 OCCUPANT LOAD FACTOR								
1	OCCUPANT LOAD	CLASSROOMS	1.9 NET M ² /PERSON	1.9 NET M ² /PERSON	1.9 NET M ² /PERSON	1.9 NET M ² /PERSON	1.9 NET M ² /PERSON	1.9 NET M ² /PERSON	1.9 NET M ² /PERSON	1.9 NET M ² /PERSON
		SHOPS, LABORATORIES, VOCATIONAL ROOMS	4.6 NET M ² /PERSON	4.6 NET M ² /PERSON	4.6 NET M ² /PERSON	4.6 NET M ² /PERSON	4.6 NET M ² /PERSON	4.6 NET M ² /PERSON	4.6 NET M ² /PERSON	4.6 NET M ² /PERSON
2	EGRESS CAPACITY	STAIRWAYS	7.6MM	7.6MM	7.6MM	7.6MM	7.6MM	7.6MM	7.6MM	7.6MM
		LEVEL COMPONENTS & RAMPS	5.0MM	5.0MM	5.0MM	5.0MM	5.0MM	5.0MM	5.0MM	5.0MM
3	EXIT ACCESS CORRIDORS	REQUIRED MINIMUM CLEAR WIDTH	1830MM	1830MM	1830MM	1830MM	1830MM	1830MM	1830MM	1830MM
D	NUMBER OF EXITS									
1	SINGLE EXIT	ONLY ONE (1) ON EVERY STORY	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
2	TWO (2) SEPARATE EXITS (MINIMUM)	REQUIREMENTS FOR ANY NUMBER OF OCCUPANTS	REQUIRED	REQUIRED	REQUIRED	REQUIRED	REQUIRED	REQUIRED	REQUIRED	REQUIRED
3	THREE (3) SEPARATE EXITS (MINIMUM)	EQUAL OR MORE THAN 500 OCCUPANTS								
4	FOUR (4) SEPARATE EXITS (MINIMUM)	EQUAL OR MORE THAN 1000 OCCUPANTS								
E	ARRANGEMENT OF EXITS	(NS*-NOT SPRINKLERED / S**-SPRINKLERED)	NS*	S**	NS*	S**	NS*	S**	NS*	S**
1	TRAVEL DISTANCE	IN ACCORDANCE WITH NFPA 101 TABLE A.7.6	46M	61M	46M	61M	46M	61M	46M	61M
2	COMMON PATH LIMIT	IN ACCORDANCE WITH NFPA 101 TABLE A.7.6	23M	30M	23M	30M	23M	30M	23M	30M
3	DEAD-END CORRIDOR	IN ACCORDANCE WITH NFPA 101 TABLE A.7.6	6.1M	15M	6.1M	15M	6.1M	15M	6.1M	15M
4	ROOM OR SPACES WITH MORE THAN 93M ² OR WITH AN OCCUPANT LOAD OF MORE THAN 50 PERSONS	MINIMUM TWO (2) ACCESS DOORS	REQUIRED	REQUIRED	REQUIRED	REQUIRED	REQUIRED	REQUIRED	REQUIRED	REQUIRED
		REQUIRED DOORS ARRANGED TO PROVIDE ACCESS TO SEPARATE EXITS								
		DOORS OPEN INTO THE DIRECTION OF EXIT TRAVEL								



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		EDUCATIONAL OCCUPANCIES - SCHOOLS			
			BUILDING HEIGHT REQUIREMENTS		BUILDING AREA REQTS/OCCUPANT LOAD FACTOR (OLF)	
II	OCCUPANCY CLASSIFICATION**					
A	KINDERGARTEN	KINDERGARTEN OF AGES 4-5 YEARS OLD	GROUND FLOOR (GF) ONLY		AS PER OLF 1.9 M ² /PERSON NET	
B	PRIMARY	PRIMARY STUDENTS OF AGES 5-11 YEARS OLD	GF ONLY (6-8 YO)	G+1 (9-11 YO)	AS PER OLF 1.9 M ² /PERSON NET	
C	PREPARATORY	PREPARATORY STUDENTS OF AGES 12-15 YEARS OLD	G+1 (2 STOREYS MAX.)		AS PER OLF 1.9 M ² /PERSON NET	
D	SECONDARY	SECONDARY STUDENTS OF AGES 15-17 YEARS OLD	G+2 (3-STOREYS MAX.)		AS PER OLF 1.9 M ² /PERSON NET	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	KINDERGARTEN	PREPARATORY	PRIMARY	SECONDARY
5	EVERY ROOM NORMALLY SUBJECT TO STUDENT OCCUPANCY	EXIT ACCESS DOORS LEADS DIRECTLY TO AN EXIT ACCESS CORRIDOR OR EXIT	REQUIRED	REQUIRED	REQUIRED	REQUIRED
6	DOORS SWINGING INTO EXIT ACCESS CORRIDOR	ACCESS DOORS ARRANGED TO PREVENT INTERFERENCE WITH CORRIDOR TRAVEL	REQUIRED	REQUIRED	REQUIRED	REQUIRED
7	AISLES	MINIMUM AISLE WIDTH	760MM	760MM	760MM	760MM
8	SPACES BETWEEN PARALLEL ROWS OF SEATS SUBJECT TO THE MINIMUM AISLE WIDTH	THE NUMBER OF SEATS THAT INTERVENES BETWEEN ANY SEAT AND AN AISLE DOES NOT EXCEED SIX (6)	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED
9	EXIT DISCHARGE					
	EXTERIOR DISCHARGE	DIRECT TO BUILDING EXTERNAL	REQUIRED	REQUIRED	REQUIRED	REQUIRED
	THROUGH AREAS ON LEVEL OF EXIT DISCHARGE	MAXIMUM 10M TRAVEL DISTANCE TO BUILDING EXTERNAL 50% OF THE REQUIRED NUMBER OF EXITS AND 50% OF THE REQUIRED EXIT CAPACITY	PERMITTED WHEN PROTECTED THROUGHOUT WITH SPRINKLER SYSTEM	PERMITTED WHEN PROTECTED THROUGHOUT WITH SPRINKLER SYSTEM	PERMITTED WHEN PROTECTED THROUGHOUT WITH SPRINKLER SYSTEM	PERMITTED WHEN PROTECTED THROUGHOUT WITH SPRINKLER SYSTEM
10	EXTERIOR WAYS OF EXIT	COMPLYING WITH NFPA 101	PERMITTED	PERMITTED	PERMITTED	PERMITTED
11	ACCESSIBLE MEANS OF EGRESS	EXITS & ACCESS PROVISIONS FOR PEOPLE WITH SEVERE MOBILITY IMPAIRMENT	NOT LESS THAN 2 EXITS (REQUIRED)	NOT LESS THAN 2 EXITS (REQUIRED)	NOT LESS THAN 2 EXITS (REQUIRED)	NOT LESS THAN 2 EXITS (REQUIRED)
12	ILLUMINATION OF MEANS OF EGRESS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED	REQUIRED
13	EMERGENCY LIGHTING	COMPLYING WITH CHAPTER 7 NFPA 101				
14	MARKINGS OF MEANS OF EGRESS	COMPLYING WITH CHAPTER 7 NFPA 101				
F	SPECIAL MEANS OF EGRESS PROVISIONS					
1	FIREMEN ACCESS PANELS	HABITABLE HEIGHT EXCEEDING 10M	NR-NOT REQUIRED	NR R	R-REQUIRED	R-REQUIRED
2	WINDOWS FOR RESCUE	ROOMS OR SPACE GREATER THAN 23.2M ² AND NORMALLY SUBJECT TO STUDENT OCCUPANCY	REQUIRED	REQUIRED	REQUIRED	REQUIRED
		BUILDING SPRINKLER PROTECTED THROUGHOUT	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		EDUCATIONAL OCCUPANCIES - SCHOOLS			
	KINDERGARTENS / SCHOOLS		OCCUPANCY USED FOR EDUCATIONAL PURPOSES THROUGH THE TWELFTH GRADE BY SIX OR MORE PERSONS FOR 4 OR MORE HOURS PER ADY OR MORE THAN 12 HOURS PER WEEK.			
II	OCCUPANCY CLASSIFICATION**		<i>BUILDING HEIGHT REQUIREMENTS</i>		<i>BUILDING AREA REQTS/OCCUPANT LOAD FACTOR (OLF)</i>	
A	KINDERGARTEN	KINDERGARTEN OF AGES 4-5 YEARS OLD	GROUND FLOOR (GF) ONLY		AS PER OLF 1.9 M²/PERSON NET	
B	PRIMARY	PRIMARY STUDENTS OF AGES 5-11 YEARS OLD	GF ONLY (6-8 YO)	G+1 (9-11 YO)	AS PER OLF 1.9 M²/PERSON NET	
C	PREPARATORY	PREPARATORY STUDENTS OF AGES 12-15 YEARS OLD	G+1 (2 STOREYS MAX.)		AS PER OLF 1.9 M²/PERSON NET	
D	SECONDARY	SECONDARY STUDENTS OF AGES 15-17 YEARS OLD	G+2 (3-STOREYS MAX.)		AS PER OLF 1.9 M²/PERSON NET	
	<i>FIRE SAFETY PROVISIONS</i>		<i>MINIMUM REQUIREMENTS</i>		KINDERGARTEN	PREPARATORY
			PRIMARY	SECONDARY		
2	WINDOWS FOR RESCUE	ROOM OR SPACE HAS DOOR LEADING DIRECTLY TO AN EXIT OR OUTSIDE THE BUILDING ROOMS LOCATED FOUR OR MORE STORIES	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED
4	LOCKUPS	DOORS & PHYSICAL RESTRAINTS TO FREE EGRESS CAN BE READILY RELEASED BY STAFF WITHIN 2 MINUTES OF ONSET OF FIRE OR ANY EMERGENCY	REQUIRED ON DOORS PROVIDED WITH LOCKUPS	REQUIRED ON DOORS PROVIDED WITH LOCKUPS	REQUIRED ON DOORS PROVIDED WITH LOCKUPS	REQUIRED ON DOORS PROVIDED WITH LOCKUPS
5	ELEVATORS FOR OCCUPANT CONTROLLED EVACUATION PRIOR TO PHASE I EMERGENCY RECALL OPERATIONS	COMPLYING WITH CHAPTER 7 NFPA 101	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
V	INTERIOR FINISH CONTENTS AND FURNISHING					
A	INTERIOR FINISH	COMPLYING WITH CHAPTER 10 OF NFPA 101	REQUIRED	REQUIRED	REQUIRED	REQUIRED
1	INTERIOR WALL & CEILING FINISHES	EXITS	CLASS A	CLASS A	CLASS A	CLASS A
		OTHER THAN EXITS	CLASS A OR CLASS B	CLASS A OR CLASS B	CLASS A OR CLASS B	CLASS A OR CLASS B
		LOW HEIGHT PARTITIONS NOT EXCEEDING 1525MM AND USED IN LOCATIONS OTHER THAN EXITS	CLASS A, CLASS B OR CLASS C	CLASS A, CLASS B OR CLASS C	CLASS A, CLASS B OR CLASS C	CLASS A, CLASS B OR CLASS C
2	INTERIOR FLOOR FINISHES	EXIT ENCLOSURES AND EXIT ACCESS CORRIDORS	CLASS II	CLASS II	CLASS II	CLASS II
VI	FEATURES OF FIRE PROTECTION (NFPA 5000 TABLES 7.2.1.1, 7.3.2.1, 7.3.5 (a), (b), 7.3.5.5, 7.4.1)					
A	CONSTRUCTION		REQUIRED		REQUIRED	
1	CONSTRUCTION (NON-COMBUSTIBLE OR LIMITED COMBUSTIBLE MATERIALS)	TYPE I OR TYPE II	EXTERIOR BEARING WALLS	HOURLY RATINGS BASED ON NFPA 5000 HEIGHT & AREA REQUIREMENTS	HOURLY RATINGS BASED ON NFPA 5000 HEIGHT & AREA REQUIREMENTS	HOURLY RATINGS BASED ON NFPA 5000 HEIGHT & AREA REQUIREMENTS
			FRAMING, COLUMNS, BEAMS, GIRDERS, TRUSSES			
			FLOOR CONSTRUCTION			
B	SUBDIVISION OF BLDG. SPACES					
1	FIRE BARRIERS	COMPLYING WITH NFPA 101 & NFPA 5000	1-HR FRR*	1-HR FRR*	1-HR FRR*	1-HR FRR*



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I		APPLICATIONS	EDUCATIONAL OCCUPANCIES - SCHOOLS					
		KINDERGARTENS / SCHOOLS	OCCUPANCY USED FOR EDUCATIONAL PURPOSES THROUGH THE TWELFTH GRADE BY SIX OR MORE PERSONS FOR 4 OR MORE HOURS PER ADY OR MORE THAN 12 HOURS PER WEEK.					
II		OCCUPANCY CLASSIFICATION**	<i>BUILDING HEIGHT REQUIREMENTS</i>		<i>BUILDING AREA REQTS/OCCUPANT LOAD FACTOR (OLF)</i>			
A	KINDERGARTEN	KINDERGARTEN OF AGES 4-5 YEARS OLD	GROUND FLOOR (GF) ONLY		AS PER OLF 1.9 M²/PERSON NET			
B	PRIMARY	PRIMARY STUDENTS OF AGES 5-11 YEARS OLD	GF ONLY (6-8 YO)	G+1 (9-11 YO)	AS PER OLF 1.9 M²/PERSON NET			
C	PREPARATORY	PREPARATORY STUDENTS OF AGES 12-15 YEARS OLD	G+1 (2 STOREYS MAX.)		AS PER OLF 1.9 M²/PERSON NET			
D	SECONDARY	SECONDARY STUDENTS OF AGES 15-17 YEARS OLD	G+2 (3-STOREYS MAX.)		AS PER OLF 1.9 M²/PERSON NET			
		<i>FIRE SAFETY PROVISIONS</i>	<i>MINIMUM REQUIREMENTS</i>		KINDERGARTEN	PREPARATORY	PRIMARY	SECONDARY
2	SEPARATION FROM OTHER OCCUPANCIES		COMPLYING WITH NFPA 101 TABLE 6.1.14.4.1 (a), (b)	REQUIRED	REQUIRED	REQUIRED	REQUIRED	
3	CORRIDORS RATED SEPARATION		REQUIRED SEPARATION	1-HR FRR*	1-HR FRR*	1-HR FRR*	1-HR FRR*	
	EXEMPTION TO THE REQUIRED SEPARATION APPLIES TO ANY OF THE FOLLOWING	1	ALL SPACES SUBJECT TO STUDENT OCCUPANCY HAS A DOOR OPENING DIRECTLY TO THE OUTSIDE OR EXTERIOR OR EXIT ACCESS BALCONY OR CORRIDOR	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED	
		2	BUILDING IS PROTECTED THROUGHOUT WITH AN APPROVED AUTOMATIC SPRINKLER SYSTEM					
4	SMOKE PARTITIONS / SMOKE COMPARTMENTS / SMOKE BARRIERS		MAXIMUM FLOOR AREA INCLUDING THE AGGREGATE AREA OF ALL FLOORS EXCEEDS 2800M ²	REQUIRED	REQUIRED	REQUIRED	REQUIRED	
			THE LENGTH OR WIDTH OF ANY BUILDING USED FOR EDUCATIONAL PURPOSES EXCEEDS 91.0 METERS					
	EXEMPTION TO SMOKE PARTITION REQUIREMENTS APPLIES TO ANY OF THE FOLLOWING	1	BUILDING IS PROTECTED THROUGHOUT WITH AN APPROVED AUTOMATIC SPRINKLER SYSTEM	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED	
		2	ALL SPACES SUBJECT TO STUDENT OCCUPANCY HAS A DOOR OPENING DIRECTLY TO THE OUTSIDE OR EXTERIOR OR EXIT ACCESS BALCONY OR CORRIDOR					
C	VERTICAL OPENINGS PROTECTION							
1	COMMUNICATING SPACES		ENCLOSED AND/OR PROVIDED WITH PROTECTION IN ACCORDANCE WITH CHAPTER 8.6 VERTICAL OPENINGS OF NFPA 101 LIFE SAFETY CODE.	REQUIRED	REQUIRED	REQUIRED	REQUIRED	
2	ATRIUMS							
3	CONVENIENCE OPENINGS							
4	SHAFTS							



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		EDUCATIONAL OCCUPANCIES - SCHOOLS			
			BUILDING HEIGHT REQUIREMENTS		BUILDING AREA REQTS/OCCUPANT LOAD FACTOR (OLF)	
	KINDERGARTENS / SCHOOLS		OCCUPANCY USED FOR EDUCATIONAL PURPOSES THROUGH THE TWELFTH GRADE BY SIX OR MORE PERSONS FOR 4 OR MORE HOURS PER ADY OR MORE THAN 12 HOURS PER WEEK.			
II	OCCUPANCY CLASSIFICATION**					
A	KINDERGARTEN	KINDERGARTEN OF AGES 4-5 YEARS OLD	GROUND FLOOR (GF) ONLY		AS PER OLF 1.9 M²/PERSON NET	
B	PRIMARY	PRIMARY STUDENTS OF AGES 5-11 YEARS OLD	GF ONLY (6-8 YO)	G+1 (9-11 YO)	AS PER OLF 1.9 M²/PERSON NET	
C	PREPARATORY	PREPARATORY STUDENTS OF AGES 12-15 YEARS OLD	G+1 (2 STOREYS MAX.)		AS PER OLF 1.9 M²/PERSON NET	
D	SECONDARY	SECONDARY STUDENTS OF AGES 15-17 YEARS OLD	G+2 (3-STOREYS MAX.)		AS PER OLF 1.9 M²/PERSON NET	
	<i>FIRE SAFETY PROVISIONS</i>	<i>MINIMUM REQUIREMENTS</i>	KINDERGARTEN	PREPARATORY	PRIMARY	SECONDARY
5	MEZZANINES	FLOOR AREA IS NOT MORE THAN 1/3 THE OPEN AREA OF THE ROOM IN WHICH THE MEZZANINE IS LOCATED EXCEEDING 1/3 AREA LIMIT, MEZZANINE SHALL COMPLY WITH THE MEANS OF EGRESS REQUIRED FOR A STORY	REQUIRED	REQUIRED	REQUIRED	REQUIRED
6	CONCEALED SPACES & DRAFSTOPS	DRAFSTOPPED FOR THE FULL DEPTH OF THE SPACE & INTO AREAS NOT EXCEEDING AS FOLLOWS:	REQUIRED	REQUIRED	REQUIRED	REQUIRED
	EXTERIOR & INTERIOR WALL & PARTITION	FIRESTOPPED AT EACH FLOOR LEVEL, TOP STORY CEILING LEVEL & AT THE LEVEL OF SUPPORT FOR ROOFS				
	UNOCCUPIED ATTIC SPACES	DRAFSTOP INTO AREAS NOT EXCEEDING 280M ²				
	CONCEALED SPACES (CEILINGS & FLOORS)	DRAFSTOP INTO AREAS NOT EXCEEDING 93M ²				
	CONCEALED SPACES (FLOORS & ROOFS)	DRAFSTOP INTO AREAS NOT EXCEEDING 280M ²				
	DRAFSTOP NOT REQUIRED	WHERE THE SPACES ARE PROTECTED THROUGHOUT WITH SPRINKLER SYSTEM &/OR SERVE AS PLENUMS	PERMITTED	PERMITTED	PERMITTED	PERMITTED
D	HAZARDOUS AREA PROTECTION					
1	BOILER AND FURNACE ROOMS	1-HOUR FIRE BARRIERS OR AUTOMATIC EXTIGUISHING SYSTEM	REQUIRED	REQUIRED	REQUIRED	REQUIRED
2	ROOMS OR SPACE USED FOR STORAGE OF COMBUSTIBLE IN HAZARDOUS QUANTITIES					
3	ROOMS OR SPACE USED FOR STORAGE OF HAZARDOUS MATERIALS OR FLAMMABLE OR COMBUSTIBLE LIQUIDS					
4	JANITOR CLOSETS					



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		EDUCATIONAL OCCUPANCIES - SCHOOLS					
	KINDERGARTENS / SCHOOLS		OCCUPANCY USED FOR EDUCATIONAL PURPOSES THROUGH THE TWELFTH GRADE BY SIX OR MORE PERSONS FOR 4 OR MORE HOURS PER ADY OR MORE THAN 12 HOURS PER WEEK.					
II	OCCUPANCY CLASSIFICATION**		BUILDING HEIGHT REQUIREMENTS		BUILDING AREA REQTS/OCCUPANT LOAD FACTOR (OLF)			
A	KINDERGARTEN	KINDERGARTEN OF AGES 4-5 YEARS OLD	GROUND FLOOR (GF) ONLY		AS PER OLF 1.9 M ² /PERSON NET			
B	PRIMARY	PRIMARY STUDENTS OF AGES 5-11 YEARS OLD	GF ONLY (6-8 YO)	G+1 (9-11 YO)	AS PER OLF 1.9 M ² /PERSON NET			
C	PREPARATORY	PREPARATORY STUDENTS OF AGES 12-15 YEARS OLD	G+1 (2 STOREYS MAX.)		AS PER OLF 1.9 M ² /PERSON NET			
D	SECONDARY	SECONDARY STUDENTS OF AGES 15-17 YEARS OLD	G+2 (3-STOREYS MAX.)		AS PER OLF 1.9 M ² /PERSON NET			
	FIRE SAFETY PROVISIONS		MINIMUM REQUIREMENTS		KINDERGARTEN	PREPARATORY	PRIMARY	SECONDARY
5	LAUNDRIES	1-HOUR FIRE BARRIERS OR AUTOMATIC EXTINGUISHING SYSTEM	REQUIRED	REQUIRED	REQUIRED	REQUIRED		
6	MAINTENANCE SHOPS INCLUDING PAINTING & WOODWORKING AREAS							
7	ROOMS OR SPACE USED FOR PROCESSING OR USE OF COMBUSTIBLE SUPPLIES							
8	ROOMS USED FOR PROCESSING OR USE OF HAZARDOUS MATERIALS OR FLAMMABLE OR COMBUSTIBLE LIQUIDS							
VII	FIRE PROTECTION (FRR* FIRE RESISTANCE RATING / FPR** (FIRE PROTECTION RATING))							
A	DETECTION ALARM AND COMMUNICATION SYSTEMS							
1	FIRE ALARM SYSTEM	AUTOMATIC AND MANUAL SYSTEM	REQUIRED	REQUIRED	REQUIRED	REQUIRED		
B	EXTINGUISHING REQUIREMENTS		REQUIRED	REQUIRED	REQUIRED	REQUIRED		
1	PORTABLE FIRE EXTINGUISHERS	TYPE AND RATING AS PER WITH NFPA 10	REQUIRED	REQUIRED	REQUIRED	REQUIRED		
2	FIRE BLANKETS	IN KITCHEN OR PANTRY	REQUIRED	REQUIRED	REQUIRED	REQUIRED		
3	STANDPIPE SYSTEM	BUILDING EXCEEDING 9M IN HEIGHT	NR-NOT REQUIRED	NR R	R-REQUIRED	R-REQUIRED		
4	FIRE HOSE REELS	25MM DIAMETER HOSE	REQUIRED	REQUIRED	REQUIRED	REQUIRED		
5	AUTOMATIC SPRINKLER SYSTEM	AREA EXCEEDING 1120 M ² (12000 FT ²)	REQUIRED	REQUIRED	REQUIRED	REQUIRED		
		EVERY PORTION BELOW THE LEVEL OF EXIT DISCHARE (BASEMENTS)						
6	OTHER EXTINGUISHING EQUIPMENT	COMPLIANCE TO RELEVANT CODES & STANDARDS	PERMITTED	PERMITTED	PERMITTED	PERMITTED		
VIII	BUILDING SERVICES PROTECTION (ASS* AUTOMATIC SUPPRESSION SYSTEM)							
A	BUILDING UTILITIES		REQUIRED	REQUIRED	REQUIRED	REQUIRED		
1	GAS EQUIPMENT & RELATED PIPING	PROTECTION AS PER NFPA 54 & NFPA 58	REQUIRED	REQUIRED	REQUIRED	REQUIRED		



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		EDUCATIONAL OCCUPANCIES - SCHOOLS			
	KINDERGARTENS / SCHOOLS		OCCUPANCY USED FOR EDUCATIONAL PURPOSES THROUGH THE TWELFTH GRADE BY SIX OR MORE PERSONS FOR 4 OR MORE HOURS PER ADY OR MORE THAN 12 HOURS PER WEEK.			
II	OCCUPANCY CLASSIFICATION**		<i>BUILDING HEIGHT REQUIREMENTS</i>		<i>BUILDING AREA REQTS/OCCUPANT LOAD FACTOR (OLF)</i>	
A	KINDERGARTEN	KINDERGARTEN OF AGES 4-5 YEARS OLD	GROUND FLOOR (GF) ONLY		AS PER OLF 1.9 M²/PERSON NET	
B	PRIMARY	PRIMARY STUDENTS OF AGES 5-11 YEARS OLD	GF ONLY (6-8 YO)	G+1 (9-11 YO)	AS PER OLF 1.9 M²/PERSON NET	
C	PREPARATORY	PREPARATORY STUDENTS OF AGES 12-15 YEARS OLD	G+1 (2 STOREYS MAX.)		AS PER OLF 1.9 M²/PERSON NET	
D	SECONDARY	SECONDARY STUDENTS OF AGES 15-17 YEARS OLD	G+2 (3-STOREYS MAX.)		AS PER OLF 1.9 M²/PERSON NET	
	<i>FIRE SAFETY PROVISIONS</i>	<i>MINIMUM REQUIREMENTS</i>	KINDERGARTEN	PREPARATORY	PRIMARY	SECONDARY
2	ELECTRICAL SYSTEMS	COMPLYING WITH NFPA 70				
	ELECTRICAL EQUIPMENT ROOMS	AUTOMATIC SUPPRESSION SYSTEM (ASS) or 2-HRS ENCLOSURE	REQUIRED	REQUIRED	REQUIRED	REQUIRED
	SUBSTATIONS & SWITCHGEARS	ATTACHED TO OCCUPIED BUILDINGS	3-HRS FRR or 2-HRS FRR & ASS	3-HRS FRR or 2-HRS FRR & ASS	3-HRS FRR or 2-HRS FRR & ASS	3-HRS FRR or 2-HRS FRR & ASS
		TRANSFORMER VAULT REQUIRED FIRE PROTECTION	3-HRS FRR or 1-HR & ASS	3-HRS FRR or 1-HR & ASS	3-HRS FRR or 1-HR & ASS	3-HRS FRR or 1-HR & ASS
		EXPLOSION PROTECTION	ASS* & 2-HRS ENCLOSURE	ASS* & 2-HRS ENCLOSURE	ASS* & 2-HRS ENCLOSURE	ASS* & 2-HRS ENCLOSURE
3	COMMERCIAL COOKING EQUIPMENT	COMPLYING WITH NFPA 96	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
	KITCHEN/PANTRY	ENCLOSURE FIRE RESISTANCE RATING	1-HR FRR*	1-HR FRR*	1-HR FRR*	1-HR FRR*
	APPROVED OPEN FLAMES	IN LABORATORIES & VOCATIONAL/TECHNICAL AREAS	PERMITTED	PERMITTED	PERMITTED	PERMITTED
	COOKING EQUIPMENT	EQUIPMENT USED ONLY FOR FOOD WARMING	PERMITTED	PERMITTED	PERMITTED	PERMITTED
4	ELEVATORS, ESCALATORS & CONVEYORS	COMPLYING WITH ASME A17.1/CSA B44	REQUIRED	REQUIRED	REQUIRED	REQUIRED
	FIRE FIGHTERS' EMERGENCY OPERATION	COMPLYING WITH CHAPTER 9 NFPA 101 & ASME A17.1/CSA B44	NA-NOT APPLICABLE	NA	R	REQUIRED
B	INCINERATORS, RUBBISH & LAUNDRY CHUTES	COMPLYING WITH NFPA 82				
	ENCLOSURES	TRAVERSES EQUAL OR LESS THAN 3 STOREYS	1-HR FRR*	1-HR FRR*	1-HR FRR*	1-HR FRR*
		TRAVERSES MORE THAN THREE (3) STOREYS	2-HRS FRR*	2-HRS FRR*	2-HRS FRR*	2-HRS FRR*
	OPENING PROTECTIVE	TRAVERSES EQUAL OR LESS THAN 3 STOREYS	1-HR FPR**	1-HR FPR**	1-HR FPR**	1-HR FPR**
		TRAVERSES MORE THAN THREE (3) STOREYS	1.5-HR FPR**	1.5-HR FPR**	1.5-HR FPR**	1.5-HR FPR**
C	EMERGENCY POWER SUPPLY SYSTEM	COMPLYING WITH NFPA 110	REQUIRED	REQUIRED	REQUIRED	REQUIRED
1	GENERATORS	ENCLOSURE	1-HOUR FRR*	1-HOUR FRR*	1-HOUR FRR*	1-HOUR FRR*



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		EDUCATIONAL OCCUPANCIES - SCHOOLS			
	KINDERGARTENS / SCHOOLS		OCCUPANCY USED FOR EDUCATIONAL PURPOSES THROUGH THE TWELFTH GRADE BY SIX OR MORE PERSONS FOR 4 OR MORE HOURS PER ADY OR MORE THAN 12 HOURS PER WEEK.			
II	OCCUPANCY CLASSIFICATION**		BUILDING HEIGHT REQUIREMENTS		BUILDING AREA REQTS/OCCUPANT LOAD FACTOR (OLF)	
A	KINDERGARTEN	KINDERGARTEN OF AGES 4-5 YEARS OLD	GROUND FLOOR (GF) ONLY		AS PER OLF 1.9 M ² /PERSON NET	
B	PRIMARY	PRIMARY STUDENTS OF AGES 5-11 YEARS OLD	GF ONLY (6-8 YO)	G+1 (9-11 YO)	AS PER OLF 1.9 M ² /PERSON NET	
C	PREPARATORY	PREPARATORY STUDENTS OF AGES 12-15 YEARS OLD	G+1 (2 STOREYS MAX.)		AS PER OLF 1.9 M ² /PERSON NET	
D	SECONDARY	SECONDARY STUDENTS OF AGES 15-17 YEARS OLD	G+2 (3-STOREYS MAX.)		AS PER OLF 1.9 M ² /PERSON NET	
	<i>FIRE SAFETY PROVISIONS</i>	<i>MINIMUM REQUIREMENTS</i>	KINDERGARTEN	PREPARATORY	PRIMARY	SECONDARY
D	FIRE PUMP ROOM	COMPLYING WITH NFPA 20	REQUIRED	REQUIRED	REQUIRED	REQUIRED
1	ENCLOSURES	MORE THAN 15.3 M FROM ANY BUILDING	1-HR FRR*	1-HR FRR*	1-HR FRR*	1-HR FRR*
		WITHIN 15.3M OR ATTACHED TO BUILDINGS	2-HRS FRR*	2-HRS FRR*	2-HRS FRR*	2-HRS FRR*
		THROUGHOUT SPRINKLER (BUILDING/S & PUMP ROOM)	1-HR FRR*	1-HR FRR*	1-HR FRR*	1-HR FRR*
2	DIRECT SAFE ACCESS	EXTERNAL ACCESS WITHIN THE LEVEL OF DISCHARGE	REQUIRED	REQUIRED	REQUIRED	REQUIRED
		WITHIN 3M FROM ANY EXIT	PERMITTED	PERMITTED	PERMITTED	PERMITTED
3	ACCESS COMPONENT (UNDERGROUND LOCATION)	STANDARD STAIR (NON-COMBUSTIBLE MATERIAL)	REQUIRED	REQUIRED	REQUIRED	REQUIRED
		CAT STEEL LADDER	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
E	FIRE WATER TANKS	COMPLYING WITH NFPA 22				
1	WATER TANK MATERIALS	NON-COMBUSTIBLE MATERIAL	REQUIRED	REQUIRED	REQUIRED	REQUIRED
		GRP TANKS (1-HR FIRE RATED ENCLOSURE)	PERMITTED	PERMITTED	PERMITTED	PERMITTED
	DESIGN/COMPARTMENTATION	TWO (2) COMPARTMENTS	REQUIRED	REQUIRED	REQUIRED	REQUIRED
F	SMOKE CONTROL / EMERGENCY VENTILATION	COMPLYING WITH NFPA 92 & NFPA 204				
1	VENTILATION BY ANY OF THE FOLLOWING: a. NATURAL VENTILATION; b. MECHANICAL VENTILATION BY POSITIVE VENTILATION (PRESSURIZATION) SYSTEM	EXIT STAIRCASES CONNECTS MORE THAN FIVE (5) STOREYS (LEVELS) INCLUDING THE BASEMENTS	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
		AND/OR WHEN SMOKE-STOP &/OR FIRE FIGHTING LOBBIES ARE REQUIRED	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	
2	VENTILATION / SMOKE CONTROL SYSTEM BY ANY OF THE FOLLOWING: a. NATURAL VENTILATION; b. MECHANICAL VENTILATION & SMOKE CONTROL SYSTEM	BASEMENT LEVEL/S WITH FLOOR AREA (FA) EXCEEDING 500 SQ.M.	REQUIRED	REQUIRED	REQUIRED	REQUIRED
		VERTICAL OPENINGS, ATRIUMS & OTHER LARGE VOLUME OF SPACES	REQUIRED	REQUIRED	REQUIRED	REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I		APPLICATIONS	EDUCATIONAL OCCUPANCIES - SCHOOLS			
		KINDERGARTENS / SCHOOLS	OCCUPANCY USED FOR EDUCATIONAL PURPOSES THROUGH THE TWELFTH GRADE BY SIX OR MORE PERSONS FOR 4 OR MORE HOURS PER ADY OR MORE THAN 12 HOURS PER WEEK.			
II		OCCUPANCY CLASSIFICATION**	<i>BUILDING HEIGHT REQUIREMENTS</i>		<i>BUILDING AREA REQTS/OCCUPANT LOAD FACTOR (OLF)</i>	
A	KINDERGARTEN	KINDERGARTEN OF AGES 4-5 YEARS OLD	GROUND FLOOR (GF) ONLY		AS PER OLF 1.9 M²/PERSON NET	
B	PRIMARY	PRIMARY STUDENTS OF AGES 5-11 YEARS OLD	GF ONLY (6-8 YO)	G+1 (9-11 YO)	AS PER OLF 1.9 M²/PERSON NET	
C	PREPARATORY	PREPARATORY STUDENTS OF AGES 12-15 YEARS OLD	G+1 (2 STOREYS MAX.)		AS PER OLF 1.9 M²/PERSON NET	
D	SECONDARY	SECONDARY STUDENTS OF AGES 15-17 YEARS OLD	G+2 (3-STOREYS MAX.)		AS PER OLF 1.9 M²/PERSON NET	
		<i>FIRE SAFETY PROVISIONS</i>	<i>MINIMUM REQUIREMENTS</i>		KINDERGARTEN	PREPARATORY
G	AIR-CONDITIONING & VENTILATION SYSTEM	COMPLYING WITH NFPA 90A & NFPA 90B	REQUIRED	REQUIRED	REQUIRED	REQUIRED
IX		OPERATING FEATURES				
A	EMERGENCY PLAN		REQUIRED	REQUIRED	REQUIRED	REQUIRED
1	EMERGENCY PLAN REQUIREMENTS	1 PROCEDURES FOR REPORTING OF EMERGENCY	REQUIRED	REQUIRED	REQUIRED	REQUIRED
		2 OCCUPANT AND STAFF RESPONSE TO EMERGENCY				
		3 EVACUATION PROCEDURES APPROPRIATE TO THE OCCUPANCY, EMERGENCIES AND HAZARD				
		4 APPROPRIATENESS OF THE USE OF ELEVATORS				
1	EMERGENCY PLAN REQUIREMENTS	5 DESIGN & CONDUCT OF FIRE DRILLS	REQUIRED	REQUIRED	REQUIRED	REQUIRED
		6 TYPE & COVERAGE OF BUILDING FIRE PROTECTION SYSTEM				
		7 OTHER ITEMS THAT ARE NECESSARY IN AN EMERGENCY PLANS AS MAY BE REQUIRED BY QCD				
B	EMERGENCY EXIT DRILLS		KINDERGARTEN	PREPARATORY	PRIMARY	SECONDARY
1	EMERGENCY EGRESS AND RELOCATION DRILLS	COMPLYING WITH CHAPTER 14 AND 4.7 NFPA 101				
	DRILL FREQUENCY	NOT LESS THAN 1 PER MONTH	REQUIRED	REQUIRED	REQUIRED	REQUIRED
		IN SUMMER SEASON OR OTHER SEVERE WEATHER CONDITIONS	PERMITTED TO BE DEFERRED	PERMITTED TO BE DEFERRED	PERMITTED TO BE DEFERRED	PERMITTED TO BE DEFERRED
		CONDITION NOT LESS THAN 4 DRILLS CONDUCTED BEFORE THE DRILLS ARE DEFERRED	REQUIRED	REQUIRED	REQUIRED	REQUIRED
2	ORDERLY EVACUATION	EMPHASIS ON ORDERLY EVACUATION RATHER SPEED	REQUIRED	REQUIRED	REQUIRED	REQUIRED
3	SIMULATED CONDITIONS	DRILLS HELD AT EXPECTED & UNEXPECTED TIMES				



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		EDUCATIONAL OCCUPANCIES - SCHOOLS			
			BUILDING HEIGHT REQUIREMENTS		BUILDING AREA REQTS/OCCUPANT LOAD FACTOR (OLF)	
	KINDERGARTENS / SCHOOLS		OCCUPANCY USED FOR EDUCATIONAL PURPOSES THROUGH THE TWELFTH GRADE BY SIX OR MORE PERSONS FOR 4 OR MORE HOURS PER ADY OR MORE THAN 12 HOURS PER WEEK.			
II	OCCUPANCY CLASSIFICATION**					
A	KINDERGARTEN	KINDERGARTEN OF AGES 4-5 YEARS OLD	GROUND FLOOR (GF) ONLY		AS PER OLF 1.9 M²/PERSON NET	
B	PRIMARY	PRIMARY STUDENTS OF AGES 5-11 YEARS OLD	GF ONLY (6-8 YO)	G+1 (9-11 YO)	AS PER OLF 1.9 M²/PERSON NET	
C	PREPARATORY	PREPARATORY STUDENTS OF AGES 12-15 YEARS OLD	G+1 (2 STOREYS MAX.)		AS PER OLF 1.9 M²/PERSON NET	
D	SECONDARY	SECONDARY STUDENTS OF AGES 15-17 YEARS OLD	G+2 (3-STOREYS MAX.)		AS PER OLF 1.9 M²/PERSON NET	
	<i>FIRE SAFETY PROVISIONS</i>	<i>MINIMUM REQUIREMENTS</i>	KINDERGARTEN	PREPARATORY	PRIMARY	SECONDARY
4	RELOCATION AREA		REQUIRED	REQUIRED	REQUIRED	REQUIRED
C	INSPECTION		REQUIRED	REQUIRED	REQUIRED	REQUIRED
	DUTY OF THE PRINCIPALS, TEACHER AND STAFF	TO INSPECT ALL EXIT FACILITIES TO ENSURE THAT ALL STAIRWAYS, DOORS & OTHER EXITS ARE IN PROPER CONDITION	DAILY INSPECTION REQUIRED	DAILY INSPECTION REQUIRED	DAILY INSPECTION REQUIRED	DAILY INSPECTION REQUIRED

Note:

*This Fire Safety Guide is prepared to determine the minimum required Fire Safety provisions for each Occupancy Type as referenced from General Directorate of Civil Defence (GDCD) adopted National Fire Protection Association (NFPA) Codes & Standards.

For further guidance, the user is referred to the NFPA Codes and Standards and the General Fire Safety Requirements - Guidelines Annexes.

**Occupancy Classification: Unless both the height and area requirements or criteria are met, the next higher classification or category SHALL apply.

®FPR*-FIRE RESISTANCE RATING ®FPR**-FIRE PROTECTION RATING ®ASS-AUTOMATIC SPRINKLER SYSTEM / AUTOMATIC SUPPRESSION SYSTEM ®SS-SMOKE-STOP LOBBY ®FF-FIRE FIGHTING LOBBY

®NP-NOT PERMITTED ®P-PERMITTED ®N/A-NOT APPLICABLE ®R-REQUIRED ®NR-NOT REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

HEALTH CARE OCCUPANCIES

I		APPLICATIONS	HEALTH CARE OCCUPANCIES - HOSPITALS		
		GENERAL AND SPECIALTY HOSPITALS / PSYCHIATRIC HOSPITALS / NURSING HOMES / LIMITED CARE FACILITIES	IN-PATIENTS; PROVIDE SLEEPING FACILITIES FOR OCCUPANTS INCAPABLE OF SELF-PRESERVATION DUE TO AGE, PHYSICAL OR MENTAL DISABILITIES OR SECURITY MEASURES NOT UNDER THEIR CONTROL.		
II		OCCUPANCY CLASSIFICATION**	BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS	
A	TYPE A HEALTH CARE FACILITIES	HIGH-RISE	≥28M HABITABLE HEIGHT	UL – UNLIMITED AREA	
B	TYPE B HEALTH CARE FACILITIES	OTHER THAN HIGH RISE	LESS THAN 28M HABITABLE HEIGHT	UL – UNLIMITED AREA	
C	AMBULATORY HEALTH CARE FACILITIES	OUT-PATIENT HEALTH CARE FACILITIES	<i>RESERVED</i>	<i>RESERVED</i>	
	<i>FIRE SAFETY PROVISIONS</i>	<i>MINIMUM REQUIREMENTS</i>	TYPE- A FACILITIES	TYPE –B FACILITIES	RESERVED
III		BUILDING AND SITE ACCESS FOR FIRE FIGHTING & RESCUE			
A	SITE ACCESS	4.0M MINIMUM CLEAR WIDTH	REQUIRED	REQUIRED (LESS THAN 10M HABITABLE HEIGHT)	-
		4.5M MINIMUM CLEAR HEIGHT			
B	ACCESS ROAD	4.0M MIN. WIDTH AND 24 TON LOAD CAPACITY			
		WITHIN A TRAVEL DISTANCE OF 45M FROM EVERY POINT ON PROJECTED PLAN AREA OF ANY BUILDING.			
C	FIRE ENGINE HARDSTANDING	LENGTH OR NUMBER BASE ON THE GROSS FLOOR AREA OF THE BUILDING	REQUIRED	REQUIRED	-
		6M X 15M (MINIMUM), WITH LONGER SIDE PARALLEL TO THE FAÇADE OF THE BUILDING			
		POSITIONED SO THAT THE NEARER EDGE SHALL NOT BE LESS THAN 2M OR NOT MORE THAN 10M FROM THE CENTRE POSITION OF THE ACCESS OPENING, MEASURED HORIZONTALLY.			
D	FIRE COMMAND CENTER	WITH EMERGENCY VOICE COMMUNICATION SYSTEM AND/OR SMOKE CONTROL SYSTEM	REQUIRED	REQUIRED	-
		9M ² MINIMUM AREA (LEAST DIMENSION 2.5M)			
		AT LEAST WITH 1M CLEARANCE FROM ALL EQUIPMENT			
		2-HOURS ENCLOSURES (WALLS, OPENINGS & PENETRATIONS)			
		PROVIDED WITH PROMINENTLY MARKED EXTERIOR ENTRANCES			
INSTEAD OF A DEDICATED FIRE RATED ROOM: LOBBIES OR OTHER SPACES ADJACENT TO THE MAIN ENTRANCE OF THE BUILDING					



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I APPLICATIONS		HEALTH CARE OCCUPANCIES - HOSPITALS			
GENERAL AND SPECIALTY HOSPITALS / PSYCHIATRIC HOSPITALS / NURSING HOMES / LIMITED CARE FACILITIES		IN-PATIENTS; PROVIDE SLEEPING FACILITIES FOR OCCUPANTS INCAPABLE OF SELF-PRESERVATION DUE TO AGE, PHYSICAL OR MENTAL DISABILITIES OR SECURITY MEASURES NOT UNDER THEIR CONTROL.			
II OCCUPANCY CLASSIFICATION**		BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS		
A	TYPE A HEALTH CARE FACILITIES	HIGH-RISE	≥28M HABITABLE HEIGHT	UL – UNLIMITED AREA	
B	TYPE B HEALTH CARE FACILITIES	OTHER THAN HIGH RISE	LESS THAN 28M HABITABLE HEIGHT	UL – UNLIMITED AREA	
C	AMBULATORY HEALTH CARE FACILITIES	OUT-PATIENT HEALTH CARE FACILITIES	RESERVED	RESERVED	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	TYPE- A FACILITIES	TYPE –B FACILITIES	RESERVED
E	FIRE LIFT	BUILDINGS EQUAL OR MORE THAN 28M HIGH ABOVE ENGINE ACCESS LEVEL.	REQUIRED	NOT APPLICABLE	-
		BUILDINGS EXCEEDS 9.0M BELOW THE LEVEL OF EXIT DISCHARGE	REQUIRED	REQUIRED	-
		SERVES ALL HABITABLE FLOORS	REQUIRED IN EVERY FIRE SERVICE ACCESS ELEVATOR/FIRE LIFT PROVISIONS	REQUIRED IN EVERY FIRE SERVICE ACCESS ELEVATOR/FIRE LIFT PROVISIONS	-
		CONTAINED WITHIN A DEDICATED PROTECTED SHAFT			
		APPROACHED BY FIRE FIGHTING LOBBY AT EACH STOREY			
		ADJACENT AND ACCESSIBLE TO AN EXIT STAIRCASE			
		FIRE SERVICE ACCESS ELEVATORS/FIRE LIFT AS PER NFPA 5000 (2012 Ed.) CHAP. 54.12	REQUIRED	BUILDINGS EXCEEDS 9.0M BELOW THE LEVEL OF EXIT DISCHARGE	-
		AMBULANCE STRETCHER ACCOMMODATION ELEVATOR/LIFT AS PER NFPA 5000 (2012 Ed.) CHAP. 54.3	REQUIRED	REQUIRED	-
WHEN REQUIRED, AT LEAST ONE (1) FIRE LIFT FOR EVERY 900 SQM. FLOOR AREA	REQUIRED	REQUIRED IN EVERY FIRE SERVICE ACCESS ELEVATOR/FIRE LIFT PROVISIONS	-		
IV MEANS OF EGRESS					
A MEANS OF EGRESS GENERAL REQUIREMENTS					
1 SEPARATION OF MEANS OF EGRESS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	-	
EXIT ACCESS CORRIDORS	SERVING AN AREA HAVING AN OCCUPANT LOAD EXCEEDING 30	1-HR FRR*	1-HR FRR*	-	
EXITS	CONNECTS 3 OR FEWER STORIES	1-HR FRR*	1-HR FRR*	-	
	CONNECTS 4 OR MORE STORIES	2-HRS FRR*	2-HRS FRR*	-	
OPENING PROTECTIVE	FIRE DOOR ASSEMBLIES EQUIPPED WITH DOOR CLOSERS	REQUIRED	REQUIRED	-	
CONSTRUCTION	LIMITED OR NON-COMBUSTIBLE MATERIALS	REQUIRED	REQUIRED	-	



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		HEALTH CARE OCCUPANCIES - HOSPITALS		
	GENERAL AND SPECIALTY HOSPITALS / PSYCHIATRIC HOSPITALS / NURSING HOMES / LIMITED CARE FACILITIES		IN-PATIENTS; PROVIDE SLEEPING FACILITIES FOR OCCUPANTS INCAPABLE OF SELF-PRESERVATION DUE TO AGE, PHYSICAL OR MENTAL DISABILITIES OR SECURITY MEASURES NOT UNDER THEIR CONTROL.		
II	OCCUPANCY CLASSIFICATION**		BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS	
A	TYPE A HEALTH CARE FACILITIES	HIGH-RISE	≥28M HABITABLE HEIGHT	UL – UNLIMITED AREA	
B	TYPE B HEALTH CARE FACILITIES	OTHER THAN HIGH RISE	LESS THAN 28M HABITABLE HEIGHT	UL – UNLIMITED AREA	
C	AMBULATORY HEALTH CARE FACILITIES	OUT-PATIENT HEALTH CARE FACILITIES	RESERVED	RESERVED	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	TYPE- A FACILITIES	TYPE –B FACILITIES	RESERVED
	OPENINGS AND PENETRATIONS IN EXIT ENCLOSURE	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	-
2	EXITS HEADROOM	NOT LESS THAN 2285MM	REQUIRED	REQUIRED	-
	HEADROOM ON STAIRS	NOT LESS THAN 2285MM	REQUIRED	REQUIRED	-
3	WALKING SURFACES IN THE MEANS OF EGRESS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	-
4	CHANGES IN LEVEL IN THE MEANS OF EGRESS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	-
5	GUARDS	PROVIDED AT THE OPEN SIDES OF MEANS OF EGRESS 760MM ABOVE THE FLOOR OR FINISHED GROUND LEVEL	REQUIRED	REQUIRED	-
6	IMPEDIMENT TO EGRESS		NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
7	MEANS OF EGRESS RELIABILITY	CONTINUOUSLY MAINTAINED FREE OF ALL OBSTRUCTION OR IMPEDIMENTS	REQUIRED	REQUIRED	REQUIRED
	FURNISHING AND DECORATION	FURNITURES, MOVABLE OBJECTS, MIRRORS, ETC.	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
B	MEANS OF EGRESS COMPONENTS	COMPLYING WITH CHAPTER 7 NFPA 101			
1	FIRE DOORS	HOSPITAL AND NURSING HOMES	1055MM	1055MM	-
		NEWBORN NURSERIES AND PSYCHIATRIC HOSPITALS	810MM	810MM	-
		DOORS NOT SUBJECT TO HEALTH CARE OCCUPANTS' USE			
		EXIT ENCLOSURES			
	SIDE-HINGE OR PIVOTED-SWINGING TYPE	ANY DOOR ASSEMBLY IN A MEANS OF EGRESS	REQUIRED	REQUIRED	-
		MINIMUM DOOR LEAF WIDTH	810MM	810MM	-
	HORIZONTAL SLIDING DOORS	SERVING AN OCCUPANT LOAD OF FEWER THAN 10	PERMITTED	PERMITTED	-
	VERTICAL ROLLING DOORS	COMPLYING WITH CHAPTER 7 NFPA 101	NOT PERMITTED	NOT PERMITTED	-
	REVOLVING DOORS/POWERED DOORS	COMPLYING WITH CHAPTER 7 NFPA 101	NOT PERMITTED	NOT PERMITTED	-
	SELF-CLOSING DEVICES	IN ALL DOORS REQUIRED TO BE NORMALLY KEPT CLOSED	REQUIRED	REQUIRED	-



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		HEALTH CARE OCCUPANCIES - HOSPITALS			
	GENERAL AND SPECIALTY HOSPITALS / PSYCHIATRIC HOSPITALS / NURSING HOMES / LIMITED CARE FACILITIES		IN-PATIENTS; PROVIDE SLEEPING FACILITIES FOR OCCUPANTS INCAPABLE OF SELF-PRESERVATION DUE TO AGE, PHYSICAL OR MENTAL DISABILITIES OR SECURITY MEASURES NOT UNDER THEIR CONTROL.			
II	OCCUPANCY CLASSIFICATION**		BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS		
A	TYPE A HEALTH CARE FACILITIES	HIGH-RISE	≥28M HABITABLE HEIGHT	UL – UNLIMITED AREA		
B	TYPE B HEALTH CARE FACILITIES	OTHER THAN HIGH RISE	LESS THAN 28M HABITABLE HEIGHT	UL – UNLIMITED AREA		
C	AMBULATORY HEALTH CARE FACILITIES	OUT-PATIENT HEALTH CARE FACILITIES	RESERVED	RESERVED		
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	TYPE- A FACILITIES	TYPE –B FACILITIES	RESERVED	
2	STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	-	
	STANDARD STAIRS	FEWER THAN 50 PERSON (CLEAR WIDTH)	915MM	915MM	-	
		< 2000 PERSON (CLEAR WIDTH)	1120MM	1120MM	-	
		≥ 2000 PERSON (CLEAR WIDTH)	1420MM	1420MM	-	
	SPIRAL STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101	NOT PERMITTED	NOT PERMITTED	-	
	CURVE STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101	NOT PERMITTED	NOT PERMITTED	-	
	WINDERS	COMPLYING WITH CHAPTER 7 NFPA 101	NOT PERMITTED	NOT PERMITTED	-	
	GUARDS AND HANDRAILS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	-	
	ENCLOSURE AND PROTECTION OF STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	-	
	ENCLOSURES	INTERIOR STAIRS SERVING AS AN EXIT COMPONENT	REQUIRED	REQUIRED	-	
		DOORS FPR**	≤3 STOREYS / ≥3 STOREYS	1-HR FPR** / 1.5-HR FPR**	1-HR FPR** / 2-HRS FPR**	-
		ENCLOSURES FRR*	≤3 STOREYS / ≥3 STOREYS	1-HR FRR* / 2-HRS FRR*	1-HR FRR* / 2-HRS FRR*	-
	ENCLOSURE EXEMPTION	PENETRATING ONE FLOOR LEVEL OR SERVING MEZZANINE ONLY	PERMITTED	PERMITTED	-	
	EXPOSURES	WALLS AND OPENINGS WITHIN 3050MM HORIZONTALLY OF AN EXTERIOR STAIRWAY ENCLOSURE	1-HR FRR*	1-HR FRR*	-	
	USEABLE SPACE	WITHIN EXIT ENCLOSURE	NOT PERMITTED	NOT PERMITTED	-	
		UNDER STAIRS IN ACCORDANCE WITH NFPA 101	PERMITTED	PERMITTED	-	
	STAIRWAY IDENTIFICATION	SERVING 3 OR MORE STOREYS	REQUIRED	REQUIRED	-	
	EXIT STAIR PATH MARKINGS	ALL STAIR COMPONENTS	REQUIRED	REQUIRED	-	
	PERIMETER DEMARCATION MARKING	COMPLYING WITH NFPA 101	REQUIRED	REQUIRED	-	
	LOCK, LATCHES & ALARM DEVICES	COMPLYING WITH NFPA 101	PERMITTED	PERMITTED	-	
	RE-ENTRY PROVISIONS	LOCKED STAIRS EXCEEDING 4 STOREYS	REQUIRED	REQUIRED	-	



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		HEALTH CARE OCCUPANCIES - HOSPITALS		
	GENERAL AND SPECIALTY HOSPITALS / PSYCHIATRIC HOSPITALS / NURSING HOMES / LIMITED CARE FACILITIES		IN-PATIENTS; PROVIDE SLEEPING FACILITIES FOR OCCUPANTS INCAPABLE OF SELF-PRESERVATION DUE TO AGE, PHYSICAL OR MENTAL DISABILITIES OR SECURITY MEASURES NOT UNDER THEIR CONTROL.		
II	OCCUPANCY CLASSIFICATION**		BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS	
A	TYPE A HEALTH CARE FACILITIES	HIGH-RISE	≥28M HABITABLE HEIGHT	UL – UNLIMITED AREA	
B	TYPE B HEALTH CARE FACILITIES	OTHER THAN HIGH RISE	LESS THAN 28M HABITABLE HEIGHT	UL – UNLIMITED AREA	
C	AMBULATORY HEALTH CARE FACILITIES	OUT-PATIENT HEALTH CARE FACILITIES	RESERVED	RESERVED	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	TYPE- A FACILITIES	TYPE –B FACILITIES	RESERVED
3	RAMPS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	-
		AS SECONDARY EXIT FOR ONE (1) BASEMENT LEVEL	NOT PERMITTED	PERMITTED	-
		RAMPS ENCLOSED AS EXITS SHALL BE OF SUFFICIENT WIDTH TO PROVIDE EGRESS CAPACITY	REQUIRED	REQUIRED	-
4	ROOF ACCESS	BUILDING EQUAL OR MORE THAN 4 STOREYS (G+3) OR ROOFS 12M ABOVE GRADE PLANE	REQUIRED	REQUIRED	-
		WHERE OPEN STAIR/S ARE PERMITTED AND PROVIDED IN HEALTH CARE OCCUPANCY	NOT APPLICABLE	NOT APPLICABLE	-
		ONE AT EACH 9300M ² ROOF AREA OR FLAT ROOFS OR ROOF PITCH <3 IN 12	REQUIRED	REQUIRED	-
	ROOF ACCESS COMPONENTS	SMOKE VENTS (FIXED WALL OPENING/S) AT THE TOP OF THE STAIRWELL WITH A MIN. AREA OF 1.5M ² .	NOT APPLICABLE	NOT APPLICABLE	-
		STAIR ACCESS TO ROOF EQUIPPED WITH OPERABLE DOORS	REQUIRED	REQUIRED	-
5	SMOKE PROOF ENCLOSURES	FRR* (FIRE RESISTANCE RATING)			
	STAIR ENCLOSURES	ALL INSIDE STAIR SERVING AS AN EXIT COMPONENT	REQUIRED	REQUIRED	-
		OPEN STAIR PENETRATING ONE (1) FLOOR/LEVEL ONLY	PERMITTED	PERMITTED	-
	FIRE FIGHTING LOBBY	IN EVERY FIRE LIFT PROVISIONS	REQUIRED	REQUIRED IN BUILDINGS EXCEEDING 9M BELOW THE LEVEL OF EXIT DISCHARGE	-
		ADJACENT AND ACCESSIBLE TO AN EXIT STAIRCASE			
		SERVES AS A COMMON LOBBY FOR BOTH FIRE LIFT AND THE ADJACENT FIRE EXIT STAIRCASE			
		6M ² MINIMUM AREA / WORKING SPACE (LEAST SIDE DIMENSION 2.0M)			
		PROVISIONS AT THE LEVEL OF EXIT DISCHARGE			



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		HEALTH CARE OCCUPANCIES - HOSPITALS		
	GENERAL AND SPECIALTY HOSPITALS / PSYCHIATRIC HOSPITALS / NURSING HOMES / LIMITED CARE FACILITIES		IN-PATIENTS; PROVIDE SLEEPING FACILITIES FOR OCCUPANTS INCAPABLE OF SELF-PRESERVATION DUE TO AGE, PHYSICAL OR MENTAL DISABILITIES OR SECURITY MEASURES NOT UNDER THEIR CONTROL.		
II	OCCUPANCY CLASSIFICATION**		BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS	
A	TYPE A HEALTH CARE FACILITIES	HIGH-RISE	≥28M HABITABLE HEIGHT	UL – UNLIMITED AREA	
B	TYPE B HEALTH CARE FACILITIES	OTHER THAN HIGH RISE	LESS THAN 28M HABITABLE HEIGHT	UL – UNLIMITED AREA	
C	AMBULATORY HEALTH CARE FACILITIES	OUT-PATIENT HEALTH CARE FACILITIES	RESERVED	RESERVED	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	TYPE- A FACILITIES	TYPE –B FACILITIES	RESERVED
	SMOKE-STOP LOBBY (VESTIBUE)	HIGH-RISE BUILDINGS WITH HABITABLE HEIGHT HIGHER THAN 28 METERS	REQUIRED	REQUIRED	-
		BASEMENT LEVEL/S EXCEED 9.0M METERS DEPTH			
		BUILDING TRAVERSES MORE THAN 5 FLOOR LEVELS INCLUDING BASEMENTS REGARDLESS OF THE HABITABLE HEIGHT.	REQUIRED	REQUIRED	
		3M ² MIN. AREA (LEAST SIDE DIMENSION 1.8M)	REQUIRED	REQUIRED	-
		PROVISIONS AT THE LEVEL OF EXIT DISCHARGE	NOT REQUIRED IF EXITS COMPLIES WITH EXIT DISCHARGE REQUIREMENTS	NOT REQUIRED IF EXITS COMPLIES WITH EXIT DISCHARGE REQUIREMENTS	-
	SMOKE-STOP / FIRE FIGHTING LOBBY DOORS & WALL ENCLOSURES	1.5-HR FIRE PROTECTION RATING (FPR) / 2-HRS FIRE RESISTANCE RATING (FRR)	REQUIRED	REQUIRED	-
6	HORIZONTAL EXITS	AS PER CHAPTER 7 AND 18 OF NFPA 101	PERMITTED	PERMITTED	-
	HORIZONTAL EXIT DOORS	APPROVED VISION PANEL	REQUIRED	REQUIRED	
		CENTRAL MULLIONS IN DOOR OPENINGS	NOT PERMITTED	NOT PERMITTED	
7	EXIT PASSAGEWAYS	ENCLOSURE AND SEPARATION FIRE RESISTANCE RATING COMPLYING WITH CHAPTER 7	REQUIRED	REQUIRED	-
		MIN. WIDTH NOT LESS THAN ¾ EXIT STAIR WIDTH	REQUIRED	REQUIRED	-
8	ESCALATORS & MOVING WALKS	AS PART OF THE REQUIRED MEANS OF EGRESS	NOT PERMITTED	NOT PERMITTED	-
9	FIRE ESCAPE STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	-
10	FIRE ESCAPE LADDERS	COMPLYING WITH CHAPTER 7 NFPA 101	NOT PERMITTED	NOT PERMITTED	-
11	SLIDE ESCAPES	COMPLYING WITH CHAPTER 7 NFPA 101	NOT PERMITTED	NOT PERMITTED	-
12	ALTERNATING TREAD DEVICES	COMPLYING WITH CHAPTER 7 NFPA 101	NOT PERMITTED	NOT PERMITTED	-
13	AREAS OF REFUGE	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	-
14	ELEVATORS	AS PART OF THE REQUIRED MEANS OF EGRESS	NOT PERMITTED	NOT PERMITTED	-
		AS SECOND MEANS OF EGRESS	NOT APPLICABLE	NOT APPLICABLE	-
	ELEVATOR DOORS	OPENING INTO EXIT ENCLOSURES	NOT PERMITTED	NOT PERMITTED	-



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		HEALTH CARE OCCUPANCIES - HOSPITALS		
	GENERAL AND SPECIALTY HOSPITALS / PSYCHIATRIC HOSPITALS / NURSING HOMES / LIMITED CARE FACILITIES		IN-PATIENTS; PROVIDE SLEEPING FACILITIES FOR OCCUPANTS INCAPABLE OF SELF-PRESERVATION DUE TO AGE, PHYSICAL OR MENTAL DISABILITIES OR SECURITY MEASURES NOT UNDER THEIR CONTROL.		
II	OCCUPANCY CLASSIFICATION**		BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS	
A	TYPE A HEALTH CARE FACILITIES	HIGH-RISE	≥28M HABITABLE HEIGHT	UL – UNLIMITED AREA	
B	TYPE B HEALTH CARE FACILITIES	OTHER THAN HIGH RISE	LESS THAN 28M HABITABLE HEIGHT	UL – UNLIMITED AREA	
C	AMBULATORY HEALTH CARE FACILITIES	OUT-PATIENT HEALTH CARE FACILITIES	RESERVED	RESERVED	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	TYPE- A FACILITIES	TYPE –B FACILITIES	RESERVED
C	CAPACITY OF MEANS OF EGRESS				
1	OCCUPANT LOAD	NFPA 101 TABLE 7.3.1.2 OCCUPANT LOAD FACTOR	REQUIRED	REQUIRED	
		INPATIENT TREATMENT DEPARTMENTS	22.3	22.3	-
		SLEEPING DEPARTMENTS	11.1	11.1	-
2	EGRESS CAPACITY	NFPA 101 TABLE 7.3.3.1 CAPACITY FACTORS	REQUIRED	REQUIRED	-
3	AISLE, CORRIDORS AND RAMPS	AS EXIT ACCESS IN HOSPITALS & NURSING HOME	2440MM	2440MM	-
		AS REQUIRED AS EXIT ACCESS IN LIMITED CARE FACILITY OR HOSPITAL FOR PSYCHIATRIC CARE	1830MM	1830MM	-
		NOT INTENDED FOR IN-PATIENTS	1120MM	1120	-
	CROSS CORRIDOR DOORS OPENING INTO CORRIDORS WITH THE REQUIRED WIDTH OF 2440MM	PAIRS OF DOORS	2110MM	2110MM	-
		SINGLE DOOR	1055MM	1055MM	-
	CROSS CORRIDOR DOORS OPENING INTO CORRIDORS WITH THE REQUIRED WIDTH OF 1830MM	PAIRS OF DOORS	1625MM	1625MM	-
		SINGLE DOOR	810MM	810MM	-
	NO-CONTINUOUS PROJECTIONS / PROJECTIONS INTO THE REQUIRED WIDTH	COMPLYING WITH NFPA 101 CHAPTER 18	REQUIRED	REQUIRED	-
4	DOORS MINIMUM CLEAR WIDTH IN SLEEPING ROOMS, DIAGNOSTIC AND TREATMENT AREAS (X-RAY, SURGERY OR PHYSICAL THERAPY) AND NURSERY ROOMS	HOSPITALS AND NURSING HOMES	1055MM	1055MM	-
		PSYCHIATRIC HOSPITALS AND LIMITED CARE FACILITIES	810MM	810MM	-
		NOT SUBJECT TO HEALTH CARE OCCUPANT	810MM	810MM	-
		EXIT STAIR ENCLOSURE	810MM	810MM	-
		NEWBORN NURSERIES	810MM	810MM	-
PAIRS OF DOORS		CLEAR WIDTH OF NOT LESS THAN 1 DOOR	810MM	810MM	-
		RABBET, BEVEL/ASTRAGAL AT THE MEETING EDGE	REQUIRED	REQUIRED	-
		AUTOMATIC FLUSH BOLT TO PROVIDE POSITIVE LATCHING IN THE INACTIVE DOOR LEAF	REQUIRED	REQUIRED	-



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I		APPLICATIONS	HEALTH CARE OCCUPANCIES - HOSPITALS					
		GENERAL AND SPECIALTY HOSPITALS / PSYCHIATRIC HOSPITALS / NURSING HOMES / LIMITED CARE FACILITIES	IN-PATIENTS; PROVIDE SLEEPING FACILITIES FOR OCCUPANTS INCAPABLE OF SELF-PRESERVATION DUE TO AGE, PHYSICAL OR MENTAL DISABILITIES OR SECURITY MEASURES NOT UNDER THEIR CONTROL.					
II		OCCUPANCY CLASSIFICATION**	BUILDING HEIGHT REQUIREMENTS			BUILDING AREA REQUIREMENTS		
A	TYPE A HEALTH CARE FACILITIES	HIGH-RISE	≥28M HABITABLE HEIGHT			UL – UNLIMITED AREA		
B	TYPE B HEALTH CARE FACILITIES	OTHER THAN HIGH RISE	LESS THAN 28M HABITABLE HEIGHT			UL – UNLIMITED AREA		
C	AMBULATORY HEALTH CARE FACILITIES	OUT-PATIENT HEALTH CARE FACILITIES	RESERVED			RESERVED		
		<i>FIRE SAFETY PROVISIONS</i>	<i>MINIMUM REQUIREMENTS</i>		TYPE- A FACILITIES	TYPE –B FACILITIES	RESERVED	
D	NUMBER OF EXITS	COMPLYING WITH NFPA 101 CHAPTER 7						
1	SINGLE EXIT	SERVING ALL FLOOR LEVELS	NOT PERMITTED		NOT PERMITTED		-	
		IN MEZZANINES OR ANY SECTION WITH EXIT TRAVEL WITHIN COMMON PATH LIMIT	PERMITTED		PERMITTED		-	
		SLEEPING & NON SLEEPING ROOMS OPENING DIRECTLY INTO THE CORRIDOR WITH EXIT TRAVEL WITHIN COMMON PATH LIMIT	PERMITTED		PERMITTED		-	
2	TWO (2) SEPARATE EXITS	MORE THAN 50 - 500 OCCUPANTS	REQUIRED		REQUIRED		-	
		ON EVERY STORY	REQUIRED		REQUIRED		-	
		ACCESSIBLE FROM EVERY PART OF EVERY STORY	REQUIRED		REQUIRED		-	
		SMOKE COMPARTMENTS	REQUIRED		REQUIRED		-	
		PATIENTS SLEEPING ROOM >93M ²	REQUIRED		REQUIRED		-	
		NON-SLEEPING ROOMS >230M ²	REQUIRED		REQUIRED		-	
3	THREE (3) SEPARATE EXITS	EQUAL OR MORE THAN 500 OCCUPANTS	REQUIRED		REQUIRED		-	
4	FOUR (4) SEPARATE EXITS	EQUAL OR MORE THAN 1000 OCCUPANTS	REQUIRED		REQUIRED		-	
E	ARRANGEMENT OF EXITS	NS*-NOT SPRINKLERED / S** -SPRINKLERED	NS*	S**	NS*	S**	NS*	S**
1	TRAVEL DISTANCE	MAXIMUM TRAVEL DISTANCE INCLUDES EXIT TRAVEL FROM NON-PATIENT CARE SUITES	N/A	61M	NA	61M	-	-
	SLEEPING SUITE	ANY POINT IN A SLEEPING SUITE & AN EXIT ACCESS DOOR	NA	30	NA	30	-	-
		BETWEEN ANY POINT IN A SLEEPING SUITE & EXIT	NA	61M	NA	61M	-	-
	PATIENT CARE NON-SLEEPING SUITES	WITHIN A NON-SLEEPING SUITES TO AN EXIT ACCESS DOOR	NA	30	NA	30	-	-
		BETWEEN ANY POINT IN A SLEEPING SUITE & AN EXIT	NA	61M	NA	61M	-	-
2	COMMON PATH LIMIT	NFPA 101 TABLE A.7.6	NA	30M	NA	30M	-	-
3	DEAD-END CORRIDOR	NFPA 101 TABLE A.7.6	NA	9.1M	NA	9.1M	-	-



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		HEALTH CARE OCCUPANCIES - HOSPITALS		
	GENERAL AND SPECIALTY HOSPITALS / PSYCHIATRIC HOSPITALS / NURSING HOMES / LIMITED CARE FACILITIES		IN-PATIENTS; PROVIDE SLEEPING FACILITIES FOR OCCUPANTS INCAPABLE OF SELF-PRESERVATION DUE TO AGE, PHYSICAL OR MENTAL DISABILITIES OR SECURITY MEASURES NOT UNDER THEIR CONTROL.		
II	OCCUPANCY CLASSIFICATION**		BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS	
A	TYPE A HEALTH CARE FACILITIES	HIGH-RISE	≥28M HABITABLE HEIGHT	UL – UNLIMITED AREA	
B	TYPE B HEALTH CARE FACILITIES	OTHER THAN HIGH RISE	LESS THAN 28M HABITABLE HEIGHT	UL – UNLIMITED AREA	
C	AMBULATORY HEALTH CARE FACILITIES	OUT-PATIENT HEALTH CARE FACILITIES	RESERVED	RESERVED	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	TYPE- A FACILITIES	TYPE –B FACILITIES	RESERVED
4	SLEEPING SUITE ARRANGEMENT	COMPLYING WITH NFPA 101 CHAPTER 18	REQUIRED	REQUIRED	-
		MAXIMUM SIZE	700M ²	700M ²	-
		MAXIMUM SIZES CONDITIONS* PROVIDED WITH STAFF DIRECT VISUAL SUPERVISION TOTAL COVERAGE (COMPLETE) AUTOMATIC SMOKE DETECTION	930M ² PERMITTED WITH CONDITIONS*	930M ² PERMITTED WITH CONDITIONS*	-
5	PATIENT CARE NON-SLEEPING SUITES	COMPLYING WITH NFPA 101 CHAPTER 18	REQUIRED	REQUIRED	-
		MAXIMUM SIZE	930M ²	930M ²	-
6	NON-PATIENT-CARE SUITES	EGRESS PROVISIONS IN ACCORDANCE WITH THE PRIMARY USE AND OCCUPANCY OF SPACE	REQUIRED	REQUIRED	-
7	EXIT DISCHARGE				-
	EXTERIOR DISCHARGE (DIRECT TO BUILDING EXTERNAL)	COMPLYING WITH NFPA 101	REQUIRED	REQUIRED	-
	THROUGH AREAS ON LEVEL OF EXIT DISCHARGE	MAXIMUM 10M TRAVEL DISTANCE TO BUILDING EXTERNAL	PERMITTED	PERMITTED	-
		50% OF RQUIRED NUMBER OF EXITS AND 50% OF REQUIRED EXIT CAPACITY (SPRINKLER PROTECTED)	PERMITTED	PERMITTED	-
8	EXTERIOR WAYS OF EXIT	COMPLYING WITH NFPA 101	PERMITTED	PERMITTED	-
9	ACCESSIBLE MEANS OF EGRESS	EXIT PROVISIONS FOR PEOPLE WITH SEVERE MOBILITY IMPAIRMENT	REQUIRED	REQUIRED	-
		NOT LESS THAN 2 EXITS	REQUIRED	REQUIRED	-
10	ILLUMINATION OF MEANS OF EGRESS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	-
11	EMERGENCY LIGHTING	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	-
	EQUIPPED WITH LIFE SUPPORT SYSTEM	EMERGENCY LIGHTING EQUIPMENT SUPPLIED BY THE LIFE SAFETY BRANCH OF THE ELECTRICAL SYSTEM AS PER NFPA 99 HEALTH CARE FACILITIES CODE	REQUIRED	REQUIRED	-



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		HEALTH CARE OCCUPANCIES - HOSPITALS		
	GENERAL AND SPECIALTY HOSPITALS / PSYCHIATRIC HOSPITALS / NURSING HOMES / LIMITED CARE FACILITIES		IN-PATIENTS; PROVIDE SLEEPING FACILITIES FOR OCCUPANTS INCAPABLE OF SELF-PRESERVATION DUE TO AGE, PHYSICAL OR MENTAL DISABILITIES OR SECURITY MEASURES NOT UNDER THEIR CONTROL.		
II	OCCUPANCY CLASSIFICATION**		BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS	
A	TYPE A HEALTH CARE FACILITIES	HIGH-RISE	≥28M HABITABLE HEIGHT	UL – UNLIMITED AREA	
B	TYPE B HEALTH CARE FACILITIES	OTHER THAN HIGH RISE	LESS THAN 28M HABITABLE HEIGHT	UL – UNLIMITED AREA	
C	AMBULATORY HEALTH CARE FACILITIES	OUT-PATIENT HEALTH CARE FACILITIES	RESERVED	RESERVED	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	TYPE- A FACILITIES	TYPE –B FACILITIES	RESERVED
12	MARKINGS OF MEANS OF EGRESS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	-
		ACCESS TO EXITS WITHIN SLEEPING ROOMS WHERE STAFF IS RESPONSIBLE FOR RELOCATING OR EVACUATING OCCUPANTS	NOT REQUIRED	NOT REQUIRED	
	ILLUMINATION OF REQUIRED EXIT AND DIRECTIONAL SIGNS	SUPPLIED BY THE LIFE SAFETY BRANCH OF THE ELECT'L SYSTEM (NFPA 99 HEALTH CARE CODE)	REQUIRED	REQUIRED	-
		SELF-LUMINOUS EXIT SIGNS	PERMITTED	PERMITTED	-
F	SPECIAL MEANS OF EGRESS PROVISIONS				
1	FIREMEN ACCESS PANELS	HABITABLE HEIGHT EXCEEDING 10M	REQUIRED	REQUIRED	-
2	REFUGE FLOORS	BUILDING EXCEEDING 30 STORIES	REQUIRED	NOT REQUIRED	-
3	ELEVATORS FOR OCCUPANT CONTROLLED EVACUATION PRIOR TO PHASE I EMERGENCY RECALL OPERATIONS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	-
V	INTERIOR FINISH CONTENTS AND FURNISHING				
A	INTERIOR FINISH		COMPLYING WITH CHAPTER 10 OF NFPA 101		
1	INTERIOR WALL & CEILING FINISHES	REQUIRED	CLASS A	CLASS A	-
	WALLS & CEILINGS IN INDIVIDUAL ROOM	HAVING A CAPACITY NOT EXCEEDING FOR (4) PERSONS	CLASS A OR CLASS B	CLASS A OR CLASS B	-
	CORRIDORS WALLS	NOT EXCEEDING 1220MM IN HEIGHT	CLASS A OR CLASS B	CLASS A OR CLASS B	-
2	INTERIOR FLOOR FINISHES	EXIT ENCLOSURES AND EXIT ACCESS CORRIDORS	CLASS I OR CLASS II	CLASS I OR CLASS II	-
VI	FEATURES OF FIRE PROTECTION (NFPA 5000 TABLES 7.2.1.1, 7.3.2.1, 7.3.5 (a), (b), 7.3.5.5, 7.4.1)				
A	CONSTRUCTION		COMPLYING WITH CHAPTER 7 & 8 OF NFPA 5000		
1	CONSTRUCTION TYPE	IN ACCORDANCE WITH TABLE 18.1.6.1 NFPA 101	REQUIRED	REQUIRED	-
B	COMPARTMENTATION		COMPLYING WITH NFPA 101 & NFPA 5000	REQUIRED	REQUIRED
1	FIRE BARRIERS	COMPLYING WITH NFPA 101 & NFPA 5000	1-HOUR FRR*	1-HOUR FRR*	
2	SEPARATION FROM OTHER OCCUPANCIES	COMPLYING WITH NFPA 101 TABLE 6.1.14.4.1 (a), (b)	REQUIRED	REQUIRED	



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		HEALTH CARE OCCUPANCIES - HOSPITALS		
	GENERAL AND SPECIALTY HOSPITALS / PSYCHIATRIC HOSPITALS / NURSING HOMES / LIMITED CARE FACILITIES		IN-PATIENTS; PROVIDE SLEEPING FACILITIES FOR OCCUPANTS INCAPABLE OF SELF-PRESERVATION DUE TO AGE, PHYSICAL OR MENTAL DISABILITIES OR SECURITY MEASURES NOT UNDER THEIR CONTROL.		
II	OCCUPANCY CLASSIFICATION**		BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS	
A	TYPE A HEALTH CARE FACILITIES	HIGH-RISE	≥28M HABITABLE HEIGHT	UL – UNLIMITED AREA	
B	TYPE B HEALTH CARE FACILITIES	OTHER THAN HIGH RISE	LESS THAN 28M HABITABLE HEIGHT	UL – UNLIMITED AREA	
C	AMBULATORY HEALTH CARE FACILITIES	OUT-PATIENT HEALTH CARE FACILITIES	RESERVED	RESERVED	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	TYPE- A FACILITIES	TYPE –B FACILITIES	RESERVED
3	CORRIDORS				
	CORRIDOR WALLS	FORM AS FIRE BARRIER TO LIMIT TRANSFER OF SMOKE	REQUIRED	REQUIRED	
	CORRIDOR DOORS	CONSTRUCTED TO RESIST PASSAGE OF SMOKE	REQUIRED	REQUIRED	
4	SUBDIVISION OF BUILDING SPACES / SMOKE BARRIERS	COMPLYING WITH NFPA 101 & NFPA 5000	REQUIRED	REQUIRED	
		DIVIDE EVERY STORY USED BY INPATIENTS FOR SLEEPING OR TREATMENT	NOT LESS THAN 2 SMOKE COMPARTMENTS	NOT LESS THAN 2 SMOKE COMPARTMENTS	
		DIVIDE EVERY STORY HAVING AN OCCUPANT LOAD OF 50 OR MORE PERSONS REGARDLESS OF USE	NOT LESS THAN 2 SMOKE COMPARTMENTS	NOT LESS THAN 2 SMOKE COMPARTMENTS	
		SIZE LIMIT OF EACH COMPARTMENT (UNLESS THE AREA IS AN ATRIUM WHERE NO LIMIT IN SIZE IS REQUIRED)	NOT EXCEEDING 2100M ²	NOT EXCEEDING 2100M ²	
		LIMIT THE TRAVEL DISTANCE FROM ANY POINT TO REACH A DOOR IN THE REQUIRED SMOKE BARRIER	61M	61M	
		REQUIRED SEPARATION	1-HOUR FRR*	1-HOUR FRR*	
	EXEMPTION TO THE REQUIRED SMOKE BARRIERS	STORIES THAT DO NOT CONTAIN HEALTHCARE OCCUPANCY LOCATED DIRECTLY ABOVE A HEALTH CARE OCCUPANCY	PERMITTED	PERMITTED	
	EXEMPTION TO THE REQUIRED SMOKE BARRIERS	AREAS THAT DO NOT CONTAIN HEALTHCARE OCCUPANCY AND THAT ARE SEPARATED THE BY A FIRE BARRIER	PERMITTED	PERMITTED	-
		STORIES THAT DO NOT CONTAIN A HEALTH CARE OCCUPANCY AND THAT ARE MORE THAN ONE STORY BELOW	PERMITTED	PERMITTED	-
		STORIES LOCATED DIRECTLY BELOW HOUSING MECHANICAL EQUIPMENT ONLY	PERMITTED 2-HOUR FRR* SEPARATED FROM THE HEALTH CARE OCCUPANCY	PERMITTED 2-HOUR FRR* SEPARATED FROM THE HEALTH CARE OCCUPANCY	-
		OPEN AIR PARKING STRUCTURES PROTECTED THROUGHOUT WITH SPRINKLER SYSTEM	PERMITTED	PERMITTED	-



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		HEALTH CARE OCCUPANCIES - HOSPITALS		
	GENERAL AND SPECIALTY HOSPITALS / PSYCHIATRIC HOSPITALS / NURSING HOMES / LIMITED CARE FACILITIES		IN-PATIENTS; PROVIDE SLEEPING FACILITIES FOR OCCUPANTS INCAPABLE OF SELF-PRESERVATION DUE TO AGE, PHYSICAL OR MENTAL DISABILITIES OR SECURITY MEASURES NOT UNDER THEIR CONTROL.		
II	OCCUPANCY CLASSIFICATION**		BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS	
A	TYPE A HEALTH CARE FACILITIES	HIGH-RISE	≥28M HABITABLE HEIGHT	UL – UNLIMITED AREA	
B	TYPE B HEALTH CARE FACILITIES	OTHER THAN HIGH RISE	LESS THAN 28M HABITABLE HEIGHT	UL – UNLIMITED AREA	
C	AMBULATORY HEALTH CARE FACILITIES	OUT-PATIENT HEALTH CARE FACILITIES	RESERVED	RESERVED	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	TYPE- A FACILITIES	TYPE –B FACILITIES	RESERVED
	DOORS IN THE REQUIRED SMOKE BARRIERS	SELF-CLOSING OR AUTOMATIC CLOSING	REQUIRED	REQUIRED	-
		FPR**-FIRE PROTECTION RATING REQUIRED	20 MINUTES FRP	20 MINUTES FRP	-
		VISION PANELS	REQUIRED	REQUIRED	-
		LATCHING HARDWARE	NOT REQUIRED	NOT REQUIRED	-
		STOPS AT HEADS AND SIDES OF DOOR FRAMES	REQUIRED	REQUIRED	-
		RABBETS, BEVELS AND ASTRAGALS AT MEETING EDGES OF PAIRS OF DOORS	REQUIRED	REQUIRED	-
		CENTER MULLION	NOT PERMITTED	NOT PERMITTED	-
MINIMUM CLEAR WIDTH FOR HORIZONTAL SLIDING DOORS	HOSPITALS AND NURSING HOMES	2110MM	2110MM	-	
	PSYCHAITRIC HOSPITALS AND LIMITED CARE FACILITIES	1625MM	1625MM	-	
C	VERTICAL OPENINGS PROTECTION	PROTECTION COMPLYING WITH NFPA CODES			
1	COMMUNICATING SPACES	COMPLYING WITH CHAPTER 8.6 NFPA 101	PERMITTED	PERMITTED	
2	ATRIUMS	COMPLYING WITH CHAPTER 8.6 NFPA 101	PERMITTED	PERMITTED	-
3	CONVENIENCE OPENINGS	COMPLYING WITH CHAPTER 8.6 NFPA 101	PERMITTED	PERMITTED	-
4	SHAFTS	COMPLYING WITH CHAPTER 8.6 NFPA 101	PERMITTED	PERMITTED	-
5	MEZZANINES	COMPLYING WITH CHAPTER 8.6 NFPA 101	PERMITTED	PERMITTED	-
6	CONCEALED SPACES & DRAFSTOPS	COMPLYING WITH CHAPTER 8.6 NFPA 101	REQUIRED	REQUIRED	-
	EXTERIOR & INTERIOR WALL & PARTITION	FIRESTOPPED AT EACH FLOOR LEVEL, TOP STORY CEILING LEVEL & AT THE LEVEL OF SUPPORT FOR ROOFS	REQUIRED	REQUIRED	-
	UNOCCUPIED ATTIC SPACES	DRAFSTOP INTO AREAS NOT EXCEEDING 280M ²	REQUIRED	REQUIRED	-
	CONCEALED SPACES (CEILINGS & FLOORS)	DRAFSTOP INTO AREAS NOT EXCEEDING 93M ²	REQUIRED	REQUIRED	-
	CONCEALED SPACES (FLOORS & ROOFS)	DRAFSTOP INTO AREAS NOT EXCEEDING 280M ²	REQUIRED	REQUIRED	-
D	HAZARDOUS AREA PROTECTION	IN ACCORDANCE WITH TABLE 18.3.2.1 NFPA 101	REQUIRED	REQUIRED	-
		PROTECTION REQUIRED	NOT LESS THAN 1-HOUR FRR	NOT LESS THAN 1-HOUR FRR	-



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I APPLICATIONS		HEALTH CARE OCCUPANCIES - HOSPITALS			
GENERAL AND SPECIALTY HOSPITALS / PSYCHIATRIC HOSPITALS / NURSING HOMES / LIMITED CARE FACILITIES		IN-PATIENTS; PROVIDE SLEEPING FACILITIES FOR OCCUPANTS INCAPABLE OF SELF-PRESERVATION DUE TO AGE, PHYSICAL OR MENTAL DISABILITIES OR SECURITY MEASURES NOT UNDER THEIR CONTROL.			
II OCCUPANCY CLASSIFICATION**		BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS		
A	TYPE A HEALTH CARE FACILITIES	HIGH-RISE	≥28M HABITABLE HEIGHT	UL – UNLIMITED AREA	
B	TYPE B HEALTH CARE FACILITIES	OTHER THAN HIGH RISE	LESS THAN 28M HABITABLE HEIGHT	UL – UNLIMITED AREA	
C	AMBULATORY HEALTH CARE FACILITIES	OUT-PATIENT HEALTH CARE FACILITIES	RESERVED	RESERVED	
FIRE SAFETY PROVISIONS		MINIMUM REQUIREMENTS	TYPE- A FACILITIES	TYPE –B FACILITIES	RESERVED
VII	FIRE PROTECTION				
A	DETECTION ALARM AND COMMUNICATION SYSTEMS				
1	FIRE ALARM SYSTEM	AUTOMATIC AND MANUAL SYSTEM	REQUIRED	REQUIRED	-
B	EXTINGUISHING REQUIREMENTS		REQUIRED	REQUIRED	-
1	PORTABLE FIRE EXTINGUISHERS	TYPE AND RATING IN ACCORDANCE WITH NFPA 10	REQUIRED	REQUIRED	-
2	FIRE BLANKETS	IN KITCHEN OR PANTRY	REQUIRED	REQUIRED	-
3	STANDPIPE SYSTEM	BUILDING EXCEEDING 9M IN HEIGHT	REQUIRED	REQUIRED	-
4	FIRE HOSE REELS	25MM DIAMETER HOSE	REQUIRED	REQUIRED	-
5	AUTOMATIC SPRINKLER SYSTEM	THROUGHOUT PROTECTION	REQUIRED	REQUIRED	-
		PROVIDED IN LIEU OF THE REQUIRED DRAFSTOPS IN CONCEALED SPACES	PERMITTED	PERMITTED	-
6	OTHER EXTINGUISHING EQUIPMENT	COMPLIANCE FROM INDIVIDUAL CODES & STANDARDS	REQUIRED	REQUIRED	-
VIII	BUILDING SERVICES PROTECTION (ASS* AUTOMATIC SUPPRESSION SYSTEM)				
A	BUILDING UTILITIES				
1	GAS EQUIPMENT & RELATED PIPING	COMPLYING WITH CHAPTER 9 NFPA 101 PROTECTION AS PER NFPA 54 & NFPA 58	REQUIRED	REQUIRED	-
2	ELECTRICAL SYSTEMS	COMPLYING WITH NFPA 70	REQUIRED	REQUIRED	-
	ELECTRICAL EQUIPMENT ROOMS	AUTOMATIC SUPPRESSION SYSTEM or 2-HRS ENCLOSURE	REQUIRED	REQUIRED	-
	POWER FOR ALARMS, EMERGENCY, COMMUNICATION SYSTEM AND ILLUMINATION OF GENERATORS SET LOCATIONS	COMPLYING WITH NFPA 99 HEALTH CARE FACILITIES CODE	REQUIRED	REQUIRED	-
	LIFE-SUPPORT DEVICES	DESIGNED AND INSTALLED IN ACCORDANCE WITH NFPA 99 HEALTH CARE FACILITIES CODE	REQUIRED	REQUIRED	-



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		HEALTH CARE OCCUPANCIES - HOSPITALS		
	GENERAL AND SPECIALTY HOSPITALS / PSYCHIATRIC HOSPITALS / NURSING HOMES / LIMITED CARE FACILITIES		IN-PATIENTS; PROVIDE SLEEPING FACILITIES FOR OCCUPANTS INCAPABLE OF SELF-PRESERVATION DUE TO AGE, PHYSICAL OR MENTAL DISABILITIES OR SECURITY MEASURES NOT UNDER THEIR CONTROL.		
II	OCCUPANCY CLASSIFICATION**		BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS	
A	TYPE A HEALTH CARE FACILITIES	HIGH-RISE	≥28M HABITABLE HEIGHT	UL – UNLIMITED AREA	
B	TYPE B HEALTH CARE FACILITIES	OTHER THAN HIGH RISE	LESS THAN 28M HABITABLE HEIGHT	UL – UNLIMITED AREA	
C	AMBULATORY HEALTH CARE FACILITIES	OUT-PATIENT HEALTH CARE FACILITIES	RESERVED	RESERVED	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	TYPE- A FACILITIES	TYPE –B FACILITIES	RESERVED
	SUBSTATIONS & SWITCHGEARS	ATTACHED TO OCCUPIED BUILDINGS PROTECTION	3-HRS FRR* or ASS*	3-HRS FRR* or ASS*	-
		STANDALONE TRANSFORMER VAULT PROTECTION	3-HRS FRR* or 2-HRS with ASS	3-HRS FRR* or 2-HRS with ASS	-
		EXPLOSION PROTECTION	ASS* & 2-HRS FRR* ENCLOSURE	ASS* & 2-HRS FRR* ENCLOSURE	-
3	COMMERCIAL COOKING EQUIPMENT	COMPLYING WITH NFPA 96	REQUIRED	REQUIRED	-
	KITCHEN/PANTRY	ENCLOSURE FRR*	NOT REQUIRED	NOT REQUIRED	-
	COOKING EQUIPMENT	EQUIPMENT USED ONLY FOR FOOD WARMING	PERMITTED	PERMITTED	-
4	ELEVATORS, ESCALATORS & CONVEYORS	COMPLYING WITH ASME A17.1/CSA B44	REQUIRED	REQUIRED	-
	FIRE FIGHTERS' EMERGENCY OPERATION	AS PER CHAP. 9 NFPA 101 & ASME A17.1/CSA B44	REQUIRED	REQUIRED	-
B	RUBBISH CHUTE, INCINERATORS & LAUNDRY CHUTES	COMPLYING WITH NFPA 82	REQUIRED	REQUIRED	-
	ENCLOSURES	TRAVERSES EQUAL OR LESS THAN 3 STOREYS	1-HR FRR*	1-HR FRR*	-
		TRAVERSES MORE THAN 3 STOREYS	2-HRS FRR*	2-HRS FRR*	-
	OPENING PROTECTIVE	TRAVERSES EQUAL OR LESS THAN 3 STOREYS	1-HR FPR**	1-HR FPR**	-
		TRAVERSES MORE THAN 3 STOREYS	1.5-HR FPR**	1.5-HR FPR**	-
C	EMERGENCY POWER SUPPLY SYSTEM	COMPLYING WITH NFPA 110	REQUIRED	REQUIRED	-
1	GENERATORS	ENCLOSURE	1-HR FRR*	1-HR FRR*	-
E	FIRE PUMP ROOM	COMPLYING WITH NFPA 20	REQUIRED	REQUIRED	-
	ENCLOSURES	MORE THAN 15.3 M FROM ANY BUILDING	1-HR FRR*	1-HR FRR*	-
		WITHIN 15.3M OR ATTACHED TO BUILDINGS	2-HRS FRR*	2-HRS FRR*	-
		THROUGHOUT SPRINKLER PROTECTION	1-HR FRR*	1-HR FRR*	-
	DIRECT SAFE ACCESS	EXTERNAL ACCESS WITHIN THE LEVEL OF DISCHARGE	REQUIRED	REQUIRED	-
		WITHIN 3M FROM ANY EXIT THAT COMPLIES WITH DIRECT DISCHARGE REQUIREMENTS	PERMITTED	PERMITTED	-
	ACCESS COMPONENT (UNDERGROUND LOCATION)	STANDARD STAIR (NON-COMBUSTIBLE MATERIAL)	REQUIRED	REQUIRED	-
		CAT STEEL LADDER	NOT PERMITTED	NOT PERMITTED	-



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		HEALTH CARE OCCUPANCIES - HOSPITALS		
	GENERAL AND SPECIALTY HOSPITALS / PSYCHIATRIC HOSPITALS / NURSING HOMES / LIMITED CARE FACILITIES		IN-PATIENTS; PROVIDE SLEEPING FACILITIES FOR OCCUPANTS INCAPABLE OF SELF-PRESERVATION DUE TO AGE, PHYSICAL OR MENTAL DISABILITIES OR SECURITY MEASURES NOT UNDER THEIR CONTROL.		
II	OCCUPANCY CLASSIFICATION**		BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS	
A	TYPE A HEALTH CARE FACILITIES	HIGH-RISE	≥28M HABITABLE HEIGHT	UL – UNLIMITED AREA	
B	TYPE B HEALTH CARE FACILITIES	OTHER THAN HIGH RISE	LESS THAN 28M HABITABLE HEIGHT	UL – UNLIMITED AREA	
C	AMBULATORY HEALTH CARE FACILITIES	OUT-PATIENT HEALTH CARE FACILITIES	RESERVED	RESERVED	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	TYPE- A FACILITIES	TYPE –B FACILITIES	RESERVED
F	FIRE WATER TANKS	COMPLYING WITH NFPA 22	REQUIRED	REQUIRED	-
	WATER TANK MATERIALS	NON-COMBUSTIBLE MATERIAL	REQUIRED	REQUIRED	-
		GRP TANKS (WITHIN 1-HR FIRE RATED ENCLOSURE)	PERMITTED	PERMITTED	-
	DESIGN/COMPARTMENTATION	TWO (2) COMPARTMENTS	REQUIRED	REQUIRED	-
G	SMOKE CONTROL / EMERGENCY VENTILATION	COMPLYING WITH NFPA 92 & NFPA 204	REQUIRED	REQUIRED	-
1	VENTILATION BY ANY OF THE FOLLOWING: a. NATURAL VENTILATION; b. MECHANICAL VENTILATION BY POSITIVE VENTILATION (PRESSURIZATION) SYSTEM	EXIT STAIRCASES CONNECTS MORE THAN FIVE (5) STOREYS (LEVELS) INCLUDING THE BASEMENTS	REQUIRED	REQUIRED	-
		AND/OR WHEN SMOKE-STOP &/OR FIRE FIGHTING LOBBIES ARE REQUIRED	REQUIRED	REQUIRED	-
2	VENTILATION / SMOKE CONTROL SYSTEM BY ANY OF THE FOLLOWING: a. NATURAL VENTILATION; b. MECHANICAL VENTILATION & SMOKE CONTROL SYSTEM	BASEMENT LEVEL/S WITH FLOOR AREA (FA) EXCEEDING 500 SQ.M.	REQUIRED	REQUIRED	-
		VERTICAL OPENINGS, ATRIUMS & OTHER LARGE VOLUME OF SPACES	REQUIRED	REQUIRED	-
H	AIR-CONDITIONING & VENTILATION SYSTEM	COMPLIANCE FROM INDIVIDUAL CODES & STANDARDS	REQUIRED	REQUIRED	-
1	HEATING VENTILATING AND AIR-CONDITIONING SYSTEM	COMPLIANCE FROM INDIVIDUAL CODES & STANDARDS	REQUIRED	REQUIRED	-
		IN ALL AREAS/COMPARTMENTS	REQUIRED	REQUIRED	-
I	OPERATING FEATURES				-
1	EVACUATION AND RELOCATION PLAN AND FIRE DRILLS	COMPLYING WITH NFPA 101	REQUIRED	REQUIRED	-
J	PROCEDURES IN CASE OF FIRE				-
1	PROTECTION OF PATIENTS		REQUIRED	REQUIRED	-
2	FIRE SAFETY PLAN		REQUIRED	REQUIRED	-
3	STAFF RESPONSE		REQUIRED	REQUIRED	-



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I		APPLICATIONS		HEALTH CARE OCCUPANCIES - HOSPITALS		
		GENERAL AND SPECIALTY HOSPITALS / PSYCHIATRIC HOSPITALS / NURSING HOMES / LIMITED CARE FACILITIES		IN-PATIENTS; PROVIDE SLEEPING FACILITIES FOR OCCUPANTS INCAPABLE OF SELF-PRESERVATION DUE TO AGE, PHYSICAL OR MENTAL DISABILITIES OR SECURITY MEASURES NOT UNDER THEIR CONTROL.		
II		OCCUPANCY CLASSIFICATION**		BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS	
A	TYPE A HEALTH CARE FACILITIES	HIGH-RISE		≥28M HABITABLE HEIGHT	UL – UNLIMITED AREA	
B	TYPE B HEALTH CARE FACILITIES	OTHER THAN HIGH RISE		LESS THAN 28M HABITABLE HEIGHT	UL – UNLIMITED AREA	
C	AMBULATORY HEALTH CARE FACILITIES	OUT-PATIENT HEALTH CARE FACILITIES		RESERVED	RESERVED	
		FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	TYPE- A FACILITIES	TYPE –B FACILITIES	RESERVED
K	MAINTENANCE OF MEANS OF EGRESS	PROPER MAINTENANCE TO ENSURE DEPENDABILITY OF THE METHOD OF EVACUATION SELECTED		REQUIRED	REQUIRED	-
1	SMOKING	ADOPT SMOKING REGULATIONS		SMOKING SHALL BE PROHIBITED IN ALL AREAS OF A HEALTH CARE FACILITY	SMOKING SHALL BE PROHIBITED IN ALL AREAS OF A HEALTH CARE FACILITY	-
L	FURNISHING, MATTRESSES AND DECORATION	COMPLYING WITH NFPA 101				-
1	SOILED LINEN AND TRASH	MAXIMUM CAPACITY		NOT MORE THAN 121 Liters	NOT MORE THAN 121 Liters	-
2	SOLID LINEN AND TRASH COLLECTION RECEPTACLES	SIZE REQUIREMENT	WITHIN A 6M ² AREA	NOT MORE THAN 20.4 L/M ²	NOT MORE THAN 20.4 L/M ²	-
			MOBILE SOILED LINEN OR TRASH COLLECTION RECEPTACLE	NOT MORE THAN 121 Liters	NOT MORE THAN 121 Liters	-
			AVERAGE DENSITY OF CONTAINER CAPACITY IN A ROOM OR SPACE	MORE THAN 121 Liters PERMITTED IF LOCATED WITHIN A ROOM PROTECTED AS HAZARDOUS AREA	MORE THAN 121 Liters PERMITTED IF LOCATED WITHIN A ROOM PROTECTED AS HAZARDOUS AREA	-
			CONTAINER SIZE AND DENSITY WITHIN A HAZARDOUS AREA	UNLIMITED	UNLIMITED	-
	CLEAN WASTE OR PATIENTS RECORD AWAITING	MAXIMUM CAPACITY		NOT MORE THAN 363 Liters	NOT MORE THAN 363 Liters	-
	CONTAINERS FOR RECYCLING CLEAN WASTE OR PATIENTS RECORD AWAITING DESTRUCTION	SIZE REQUIREMENT	CONTAINERS	MORE THAN 363 Liters PERMITTED IF LOCATED WITHIN A ROOM PROTECTED AS HAZARDOUS AREA	MORE THAN 363 Liters PERMITTED IF LOCATED WITHIN A ROOM PROTECTED AS HAZARDOUS AREA	-
	CONTAINERS FOR RECYCLING CLEAN WASTE OR PATIENTS RECORD AWAITING DESTRUCTION	SIZE REQUIREMENT	CONTAINER SIZE WITHIN A HAZARDOUS AREA	UNLIMITED	UNLIMITED	-
			CONTAINERS FOR COMBUSTIBLES	LABELED AND LISTED	LABELED AND LISTED	-
M	PORTABLE SPACE-HEATING DEVICES	PROHITED UNLESS THE FF. CRITERIA ARE MET:				
		IN NON-SLEEPING STAFF AND EMPLOYEES AREA		PERMITTED	PERMITTED	-
		HEATING ELEMENT DOES NOT EXCEED 100°C		REQUIRED	REQUIRED	-



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		HEALTH CARE OCCUPANCIES - HOSPITALS		
		GENERAL AND SPECIALTY HOSPITALS / PSYCHIATRIC HOSPITALS / NURSING HOMES / LIMITED CARE FACILITIES		IN-PATIENTS; PROVIDE SLEEPING FACILITIES FOR OCCUPANTS INCAPABLE OF SELF-PRESERVATION DUE TO AGE, PHYSICAL OR MENTAL DISABILITIES OR SECURITY MEASURES NOT UNDER THEIR CONTROL.	
II	OCCUPANCY CLASSIFICATION**		BUILDING HEIGHT REQUIREMENTS	BUILDING AREA REQUIREMENTS	
A	TYPE A HEALTH CARE FACILITIES	HIGH-RISE	≥28M HABITABLE HEIGHT	UL – UNLIMITED AREA	
B	TYPE B HEALTH CARE FACILITIES	OTHER THAN HIGH RISE	LESS THAN 28M HABITABLE HEIGHT	UL – UNLIMITED AREA	
C	AMBULATORY HEALTH CARE FACILITIES	OUT-PATIENT HEALTH CARE FACILITIES	RESERVED	RESERVED	
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	TYPE- A FACILITIES	TYPE –B FACILITIES	RESERVED
N	CONSTRUCTION, REPAIR AND IMPROVEMENT OPERATIONS		REQUIRED	REQUIRED	-
		COMPLYING WITH CHAPTER 4 NFPA 101			
		COMPLYING WITH NFPA 241 STANDARD FOR SAFEGUARDING CONSTRUCTION ALTERATION AND DEMOLITION OPERATION	REQUIRED	REQUIRED	-

Note:

*This Fire Safety Guide is prepared to determine the minimum required Fire Safety provisions for each Occupancy Type as referenced from General Directorate of Civil Defence (GDCD) adopted National Fire Protection Association (NFPA) Codes & Standards.

For further guidance, the user is referred to the NFPA Codes and Standards and the General Fire Safety Requirements - Guidelines Annexes.

**Occupancy Classification: Unless both the height and area requirements or criteria are met, the next higher classification or category SHALL apply.

®FPR*-FIRE RESISTANCE RATING ®FPR**-FIRE PROTECTION RATING ®ASS-AUTOMATIC SPRINKLER SYSTEM / AUTOMATIC SUPPRESSION SYSTEM ®SS-SMOKE-STOP LOBBY ®FF-FIRE FIGHTING LOBBY

®NP-NOT PERMITTED ®P-PERMITTED ®N/A-NOT APPLICABLE ®R-REQUIRED ®NR-NOT REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

STORAGE OCCUPANCIES

I	APPLICATIONS	STORAGE OCCUPANCIES - STORE AND WAREHOUSES			
	WAREHOUSE / BARNs / BULK OIL STORAGE / COLD STORAGE / GRAIN ELEVATORS / FREIGHT TERMINALS / HANGARS (FOR STORAGE ONLY) / TRUCKS & MARINE TERMINALS / PARKING STRUCTURES	AN OCCUPANCY USED PRIMARILY FOR THE STORAGE OR SHELTERING OF GOODS, MERCHANDISE, PRODUCTS OR VEHICLES CHARACTERIZED BY THE PRESENCE OF RELATIVELY SMALL NUMBERS OF PERSON IN PROPORTION TO THE AREA. INCIDENTAL STORAGE IN OTHER OCCUPANCY IS EXCLUDED.			
II	OCCUPANCY CLASSIFICATION	<i>BUILDING AREA AND HEIGHT REQUIREMENTS</i>			
A	LOW HAZARD STORAGE	IN ACCORDANCE WITH NFPA 5000 CHAPTER 7 TABLE 7.4.1 FOR THE ALLOWABLE BUILDING HEIGHT AND AREA REQUIREMENTS			
B	ORDINARY HAZARD STORAGE				
C	HIGH HAZARD STORAGE				
D	STORAGE USE CONSIDERED AS LOW HAZARDS:	STORAGE USE OTHER THAN LOW HAZARDS:			
	ASBESTOS / BEER OR WINE LESS THAN 12% ALCOHOL (IN METAL/GLASS OR CERAMIC CONTAINERS) / CEMENT IN BAGS / CHALK & CRAYONS / DAIRY PRODUCTS IN NONWAXED-COATED PAPER CONTAINERS / DRY CELL BATTERIES / ELECTRICAL COILS / ELECTRICAL MOTORS / EMPTY CANS / FOOD PRODUCTS / FOODS IN NONCOMBUSTIBLE CONTAINERS / FRESH FRUITS AND VEGETABLES IN NON-PLASTIC TRAYS OR CONTAINERS / FROZEN FOODS / GLASS / GLASS BOTTLES, EMPTY OR FILLED WITH NONCOMBUSTIBLE LIQUIDS / GYPSUM BOARD / INERT PIGMENTS / IVORY / MEATS / METAL CABINETS / METAL DESKS WITH PLASTIC TOPS AND TRIM / METAL PARTS / METALS / MIRRORS / OIL-FILLED AND OTHER TYPES OF DISTRIBUTION TRANSFORMERS / PARKING GARAGES, OPEN OR ENCLOSED / PORCELAIN AND POTTERY / SHEDS / STOVES / TALC AND SOAPS TONES / TANKS / TOWERS / WASHERS AND DRYERS	AEROSOLS, LEVEL 2 AND LEVEL 3 / AIRCRAFT HANGARS / BAGS, CLOTH, BURLAP, AND PAPER / BAMBOO AND RATTAN / BASKETS / BELTING, CANVAS AND LEATHER / BOOKS AND PAPER IN ROLLS OR PACKS / BOOTS AND SHOES / BUTTONS, INCLUDING CLOTH COVERED, PEARL, OR BONE / CARDBOARD AND CARDBOARD BOXES / CLOTHING, WOOLEN WEARING APPAREL / CORDAGE / FURNITURE / FURS / GLUES, MUCILAGE, PASTES, AND SIZE / GRAINS / HORNS AND COMBS, OTHER THAN CELLULOID / LEATHER / LINOLEUM / LUMBER / PETROLEUM WAREHOUSES FOR STORAGE OF LUBRICATING OILS WITH A FLASH POINT OF 200°F (93°C) OR HIGHER / PHOTO ENGRAVINGS / RESILIENT FLOORING / SILKS / SOAPS / SUGAR / TIRES, BULK STORAGE / TOBACCO, CIGARS, CIGARETTES, AND SNUFF / UPHOLSTERY AND MATTRESSES / WAX CANDLES			
	<i>FIRE SAFETY PROVISIONS</i>	<i>MINIMUM REQUIREMENTS</i>	LOW HAZARD	ORDINARY HAZARD	HIGH HAZARD
III	BUILDING AND SITE ACCESS FOR FIRE FIGHTING & RESCUE				
A	SITE ACCESS	4.0M MINIMUM CLEAR WIDTH 4.5M MINIMUM CLEAR HEIGHT	REQUIRED	REQUIRED	REQUIRED
B	ACCESS ROAD	4.0M MIN. WIDTH AND 24 TON LOAD CAPACITY WITHIN A TRAVEL DISTANCE OF 45M FROM EVERY POINT ON PROJECTED PLAN AREA OF ANY BUILDING.	REQUIRED	REQUIRED	REQUIRED
C	FIRE ENGINE HARDSTANDING	LENGTH OR NUMBER BASE ON THE GROSS FLOOR AREA OF THE BUILDING 6M X 15M (MINIMUM), WITH LONGER SIDE PARALLEL TO THE FAÇADE OF THE BUILDING POSITIONED SO THAT THE NEARER EDGE SHALL NOT BE LESS THAN 2M OR NOT MORE THAN 10M FROM THE CENTRE POSITION OF THE ACCESS OPENING, MEASURED HORIZONTALLY.	REQUIRED	REQUIRED	REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		STORAGE OCCUPANCIES - STORE AND WAREHOUSES				
	WAREHOUSE / BARNs / BULK OIL STORAGE / COLD STORAGE / GRAIN ELEVATORS / FREIGHT TERMINALS / HANGARS (FOR STORAGE ONLY) / TRUCKS & MARINE TERMINALS / PARKING STRUCTURES		AN OCCUPANCY USED PRIMARILY FOR THE STORAGE OR SHELTERING OF GOODS, MERCHANDISE, PRODUCTS OR VEHICLES CHARACTERIZED BY THE PRESENCE OF RELATIVELY SMALL NUMBERS OF PERSON IN PROPORTION TO THE AREA. INCIDENTAL STORAGE IN OTHER OCCUPANCY IS EXCLUDED.				
II	OCCUPANCY CLASSIFICATION		BUILDING AREA AND HEIGHT REQUIREMENTS				
A	LOW HAZARD STORAGE		IN ACCORDANCE WITH NFPA 5000 CHAPTER 7 TABLE 7.4.1 FOR THE ALLOWABLE BUILDING HEIGHT AND AREA REQUIREMENTS				
B	ORDINARY HAZARD STORAGE						
C	HIGH HAZARD STORAGE						
D	STORAGE USE CONSIDERED AS LOW HAZARDS:		STORAGE USE OTHER THAN LOW HAZARDS:				
	ASBESTOS / BEER OR WINE LESS THAN 12% ALCOHOL (IN METAL/GLASS OR CERAMIC CONTAINERS) / CEMENT IN BAGS / CHALK & CRAYONS / DAIRY PRODUCTS IN NONWAXED-COATED PAPER CONTAINERS / DRY CELL BATTERIES / ELECTRICAL COILS / ELECTRICAL MOTORS / EMPTY CANS / FOOD PRODUCTS / FOODS IN NONCOMBUSTIBLE CONTAINERS / FRESH FRUITS AND VEGETABLES IN NON-PLASTIC TRAYS OR CONTAINERS / FROZEN FOODS / GLASS / GLASS BOTTLES, EMPTY OR FILLED WITH NONCOMBUSTIBLE LIQUIDS / GYPSUM BOARD / INERT PIGMENTS / IVORY / MEATS / METAL CABINETS / METAL DESKS WITH PLASTIC TOPS AND TRIM / METAL PARTS / METALS / MIRRORS / OIL-FILLED AND OTHER TYPES OF DISTRIBUTION TRANSFORMERS / PARKING GARAGES, OPEN OR ENCLOSED / PORCELAIN AND POTTERY / SHEDS / STOVES / TALC AND SOAPS TONES / TANKS / TOWERS / WASHERS AND DRYERS		AEROSOLS, LEVEL 2 AND LEVEL 3 / AIRCRAFT HANGARS / BAGS, CLOTH, BURLAP, AND PAPER / BAMBOO AND RATTAN / BASKETS / BELTING, CANVAS AND LEATHER / BOOKS AND PAPER IN ROLLS OR PACKS / BOOTS AND SHOES / BUTTONS, INCLUDING CLOTH COVERED, PEARL, OR BONE / CARDBOARD AND CARDBOARD BOXES / CLOTHING, WOOLEN WEARING APPAREL / CORDAGE / FURNITURE / FURS / GLUES, MUCILAGE, PASTES, AND SIZE / GRAINS / HORNS AND COMBS, OTHER THAN CELLULOID / LEATHER / LINOLEUM / LUMBER / PETROLEUM WAREHOUSES FOR STORAGE OF LUBRICATING OILS WITH A FLASH POINT OF 200°F (93°C) OR HIGHER / PHOTO ENGRAVINGS / RESILIENT FLOORING / SILKS / SOAPS / SUGAR / TIRES, BULK STORAGE / TOBACCO, CIGARS, CIGARETTES, AND SNUFF / UPHOLSTERY AND MATTRESSES / WAX CANDLES				
	FIRE SAFETY PROVISIONS		MINIMUM REQUIREMENTS		LOW HAZARD	ORDINARY HAZARD	HIGH HAZARD
D	FIRE COMMAND CENTER		PROVISIONS IN OTHER THAN HIGH-RISE BUILDINGS EQUIPPED WITH EMERGENCY VOICE COMMUNICATION AND/OR SMOKE CONTROL SYSTEM	REQUIRED	REQUIRED	REQUIRED	
			9M ² MINIMUM FLOOR AREA (LEAST DIMENSION 2.5M)	REQUIRED	REQUIRED	REQUIRED	
E	FIRE LIFT		SERVING ALL HABITABLE FLOORS AND LOCATED WITHIN A DEDICATED SHAFT	TO COMPLY WITH REQUIREMENTS WHEN PROVIDED AS REQUIRED	TO COMPLY WITH REQUIREMENTS WHEN PROVIDED AS REQUIRED	TO COMPLY WITH REQUIREMENTS WHEN PROVIDED AS REQUIRED	
IV	MEANS OF EGRESS						
A	MEANS OF EGRESS GENERAL REQUIREMENTS						
1	SEPARATION OF MEANS OF EGRESS		COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED	
	EXIT ACCESS CORRIDORS		SERVING AN AREA HAVING AN OCCUPANT LOAD EXCEEDING 30	1-HR FRR*	1-HR FRR*	1-HR FRR*	
	EXITS		CONNECTS 3 OR FEWER STORIES	1-HR FRR*	1-HR FRR*	1-HR FRR*	
			CONNECTS 4 OR MORE STORIES	2-HRS FRR*	2-HRS FRR*	2-HRS FRR*	



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS	STORAGE OCCUPANCIES - STORE AND WAREHOUSES			
	WAREHOUSE / BARNs / BULK OIL STORAGE / COLD STORAGE / GRAIN ELEVATORS / FREIGHT TERMINALS / HANGARS (FOR STORAGE ONLY) / TRUCKS & MARINE TERMINALS / PARKING STRUCTURES	AN OCCUPANCY USED PRIMARILY FOR THE STORAGE OR SHELTERING OF GOODS, MERCHANDISE, PRODUCTS OR VEHICLES CHARACTERIZED BY THE PRESENCE OF RELATIVELY SMALL NUMBERS OF PERSON IN PROPORTION TO THE AREA. INCIDENTAL STORAGE IN OTHER OCCUPANCY IS EXCLUDED.			
II	OCCUPANCY CLASSIFICATION	BUILDING AREA AND HEIGHT REQUIREMENTS			
A	LOW HAZARD STORAGE	IN ACCORDANCE WITH NFPA 5000 CHAPTER 7 TABLE 7.4.1 FOR THE ALLOWABLE BUILDING HEIGHT AND AREA REQUIREMENTS			
B	ORDINARY HAZARD STORAGE				
C	HIGH HAZARD STORAGE				
D	STORAGE USE CONSIDERED AS LOW HAZARDS:	STORAGE USE OTHER THAN LOW HAZARDS:			
	ASBESTOS / BEER OR WINE LESS THAN 12% ALCOHOL (IN METAL/GLASS OR CERAMIC CONTAINERS) / CEMENT IN BAGS / CHALK & CRAYONS / DAIRY PRODUCTS IN NONWAXED-COATED PAPER CONTAINERS / DRY CELL BATTERIES / ELECTRICAL COILS / ELECTRICAL MOTORS / EMPTY CANS / FOOD PRODUCTS / FOODS IN NONCOMBUSTIBLE CONTAINERS / FRESH FRUITS AND VEGETABLES IN NON-PLASTIC TRAYS OR CONTAINERS / FROZEN FOODS / GLASS / GLASS BOTTLES, EMPTY OR FILLED WITH NONCOMBUSTIBLE LIQUIDS / GYPSUM BOARD / INERT PIGMENTS / IVORY / MEATS / METAL CABINETS / METAL DESKS WITH PLASTIC TOPS AND TRIM / METAL PARTS / METALS / MIRRORS / OIL-FILLED AND OTHER TYPES OF DISTRIBUTION TRANSFORMERS / PARKING GARAGES, OPEN OR ENCLOSED / PORCELAIN AND POTTERY / SHEDS / STOVES / TALC AND SOAPS TONES / TANKS / TOWERS / WASHERS AND DRYERS	AEROSOLS, LEVEL 2 AND LEVEL 3 / AIRCRAFT HANGARS / BAGS, CLOTH, BURLAP, AND PAPER / BAMBOO AND RATTAN / BASKETS / BELTING, CANVAS AND LEATHER / BOOKS AND PAPER IN ROLLS OR PACKS / BOOTS AND SHOES / BUTTONS, INCLUDING CLOTH COVERED, PEARL, OR BONE / CARDBOARD AND CARDBOARD BOXES / CLOTHING, WOOLEN WEARING APPAREL / CORDAGE / FURNITURE / FURS / GLUES, MUCILAGE, PASTES, AND SIZE / GRAINS / HORNS AND COMBS, OTHER THAN CELLULOID / LEATHER / LINOLEUM / LUMBER / PETROLEUM WAREHOUSES FOR STORAGE OF LUBRICATING OILS WITH A FLASH POINT OF 200°F (93°C) OR HIGHER / PHOTO ENGRAVINGS / RESILIENT FLOORING / SILKS / SOAPS / SUGAR / TIRES, BULK STORAGE / TOBACCO, CIGARS, CIGARETTES, AND SNUFF / UPHOLSTERY AND MATTRESSES / WAX CANDLES			
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW HAZARD	ORDINARY HAZARD	HIGH HAZARD
	OPENING PROTECTIVE	FIRE DOOR ASSEMBLIES EQUIPPED WITH DOOR CLOSERS	REQUIRED	REQUIRED	REQUIRED
	CONSTRUCTION	LIMITED OR NON-COMBUSTIBLE MATERIALS	REQUIRED	REQUIRED	REQUIRED
	OPENINGS AND PENETRATIONS IN EXIT ENCLOSURE	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED
2	EXITS HEADROOM	NOT LESS THAN 2285MM	REQUIRED	REQUIRED	REQUIRED
	HEADROOM ON STAIRS	NOT LESS THAN 2285MM	REQUIRED	REQUIRED	REQUIRED
	HEADROOM IN INDUSTRIAL EQUIPMENT ACCESS	AS PROVIDED IN CHAPTER 40 NFPA 101	PERMITTED	PERMITTED	PERMITTED
3	WALKING SURFACES IN THE MEANS OF EGRESS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
4	CHANGES IN LEVEL IN THE MEANS OF EGRESS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
5	GUARDS	AT THE OPEN SIDES OF MEANS OF EGRESS 760MM ABOVE THE FLOOR OR FINISHED GROUND LEVEL	REQUIRED	REQUIRED	REQUIRED
6	IMPEDIMENT TO EGRESS		NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
7	MEANS OF EGRESS RELIABILITY	CONTINUOUSLY MAINTAINED FREE OF ALL OBSTRUCTION OR IMPEDIMENTS	REQUIRED	REQUIRED	REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I APPLICATIONS		STORAGE OCCUPANCIES - STORE AND WAREHOUSES			
WAREHOUSE / BARNs / BULK OIL STORAGE / COLD STORAGE / GRAIN ELEVATORS / FREIGHT TERMINALS / HANGARS (FOR STORAGE ONLY) / TRUCKS & MARINE TERMINALS / PARKING STRUCTURES		AN OCCUPANCY USED PRIMARILY FOR THE STORAGE OR SHELTERING OF GOODS, MERCHANDISE, PRODUCTS OR VEHICLES CHARACTERIZED BY THE PRESENCE OF RELATIVELY SMALL NUMBERS OF PERSON IN PROPORTION TO THE AREA. INCIDENTAL STORAGE IN OTHER OCCUPANCY IS EXCLUDED.			
II OCCUPANCY CLASSIFICATION		BUILDING AREA AND HEIGHT REQUIREMENTS			
A	LOW HAZARD STORAGE	IN ACCORDANCE WITH NFPA 5000 CHAPTER 7 TABLE 7.4.1 FOR THE ALLOWABLE BUILDING HEIGHT AND AREA REQUIREMENTS			
B	ORDINARY HAZARD STORAGE				
C	HIGH HAZARD STORAGE				
D	STORAGE USE CONSIDERED AS LOW HAZARDS:	STORAGE USE OTHER THAN LOW HAZARDS:			
ASBESTOS / BEER OR WINE LESS THAN 12% ALCOHOL (IN METAL/GLASS OR CERAMIC CONTAINERS) / CEMENT IN BAGS / CHALK & CRAYONS / DAIRY PRODUCTS IN NONWAXED-COATED PAPER CONTAINERS / DRY CELL BATTERIES / ELECTRICAL COILS / ELECTRICAL MOTORS / EMPTY CANS / FOOD PRODUCTS / FOODS IN NONCOMBUSTIBLE CONTAINERS / FRESH FRUITS AND VEGETABLES IN NON-PLASTIC TRAYS OR CONTAINERS / FROZEN FOODS / GLASS / GLASS BOTTLES, EMPTY OR FILLED WITH NONCOMBUSTIBLE LIQUIDS / GYPSUM BOARD / INERT PIGMENTS / IVORY / MEATS / METAL CABINETS / METAL DESKS WITH PLASTIC TOPS AND TRIM / METAL PARTS / METALS / MIRRORS / OIL-FILLED AND OTHER TYPES OF DISTRIBUTION TRANSFORMERS / PARKING GARAGES, OPEN OR ENCLOSED / PORCELAIN AND POTTERY / SHEDS / STOVES / TALC AND SOAPS TONES / TANKS / TOWERS / WASHERS AND DRYERS		AEROSOLS, LEVEL 2 AND LEVEL 3 / AIRCRAFT HANGARS / BAGS, CLOTH, BURLAP, AND PAPER / BAMBOO AND RATTAN / BASKETS / BELTING, CANVAS AND LEATHER / BOOKS AND PAPER IN ROLLS OR PACKS / BOOTS AND SHOES / BUTTONS, INCLUDING CLOTH COVERED, PEARL, OR BONE / CARDBOARD AND CARDBOARD BOXES / CLOTHING, WOOLEN WEARING APPAREL / CORDAGE / FURNITURE / FURS / GLUES, MUCILAGE, PASTES, AND SIZE / GRAINS / HORNS AND COMBS, OTHER THAN CELLULOID / LEATHER / LINOLEUM / LUMBER / PETROLEUM WAREHOUSES FOR STORAGE OF LUBRICATING OILS WITH A FLASH POINT OF 200°F (93°C) OR HIGHER / PHOTO ENGRAVINGS / RESILIENT FLOORING / SILKS / SOAPS / SUGAR / TIRES, BULK STORAGE / TOBACCO, CIGARS, CIGARETTES, AND SNUFF / UPHOLSTERY AND MATTRESSES / WAX CANDLES			
FIRE SAFETY PROVISIONS		MINIMUM REQUIREMENTS	LOW HAZARD	ORDINARY HAZARD	HIGH HAZARD
FURNISHING AND DECORATION		FURNITURES OR MOVABLE OBJECTS, MIRRORS, ETC.	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
B	MEANS OF EGRESS COMPONENTS				
1	FIRE DOORS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
	SIDE-HINGE OR PIVOTED-SWINGING TYPE	ANY DOOR ASSEMBLY IN A MEANS OF EGRESS	REQUIRED	REQUIRED	REQUIRED
		MINIMUM DOOR LEAF WIDTH	810MM (32IN.)	810MM (32IN.)	810MM (32IN.)
	HORIZONTAL SLIDING DOORS	OCCUPANT LOAD OF FEWER THAN 10	PERMITTED	PERMITTED	PERMITTED
	VERTICAL ROLLING DOORS	OCCUPANT LOAD OF FEWER THAN 10	PERMITTED	PERMITTED	PERMITTED
	REVOLVING DOORS/POWERED DOORS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED
	SELF-CLOSING DEVICES	IN ALL DOORS REQUIRED TO BE NORMALLY KEPT CLOSED	REQUIRED	REQUIRED	REQUIRED
2	STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
		NON-COMBUSTIBLE GRATED STAIR TREADS AND LANDINGS	PERMITTED	PERMITTED	PERMITTED
	STANDARD STAIRS	FEWER THAN 50 PERSON	915MM CLEAR WIDTH	915MM CLEAR WIDTH	915MM CLEAR WIDTH



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I APPLICATIONS		STORAGE OCCUPANCIES - STORE AND WAREHOUSES							
WAREHOUSE / BARNs / BULK OIL STORAGE / COLD STORAGE / GRAIN ELEVATORS / FREIGHT TERMINALS / HANGARS (FOR STORAGE ONLY) / TRUCKS & MARINE TERMINALS / PARKING STRUCTURES		AN OCCUPANCY USED PRIMARILY FOR THE STORAGE OR SHELTERING OF GOODS, MERCHANDISE, PRODUCTS OR VEHICLES CHARACTERIZED BY THE PRESENCE OF RELATIVELY SMALL NUMBERS OF PERSON IN PROPORTION TO THE AREA. INCIDENTAL STORAGE IN OTHER OCCUPANCY IS EXCLUDED.							
II OCCUPANCY CLASSIFICATION		BUILDING AREA AND HEIGHT REQUIREMENTS							
A	LOW HAZARD STORAGE	IN ACCORDANCE WITH NFPA 5000 CHAPTER 7 TABLE 7.4.1 FOR THE ALLOWABLE BUILDING HEIGHT AND AREA REQUIREMENTS							
B	ORDINARY HAZARD STORAGE								
C	HIGH HAZARD STORAGE								
D	STORAGE USE CONSIDERED AS LOW HAZARDS:	STORAGE USE OTHER THAN LOW HAZARDS:							
ASBESTOS / BEER OR WINE LESS THAN 12% ALCOHOL (IN METAL/GLASS OR CERAMIC CONTAINERS) / CEMENT IN BAGS / CHALK & CRAYONS / DAIRY PRODUCTS IN NONWAXED-COATED PAPER CONTAINERS / DRY CELL BATTERIES / ELECTRICAL COILS / ELECTRICAL MOTORS / EMPTY CANS / FOOD PRODUCTS / FOODS IN NONCOMBUSTIBLE CONTAINERS / FRESH FRUITS AND VEGETABLES IN NON-PLASTIC TRAYS OR CONTAINERS / FROZEN FOODS / GLASS / GLASS BOTTLES, EMPTY OR FILLED WITH NONCOMBUSTIBLE LIQUIDS / GYPSUM BOARD / INERT PIGMENTS / IVORY / MEATS / METAL CABINETS / METAL DESKS WITH PLASTIC TOPS AND TRIM / METAL PARTS / METALS / MIRRORS / OIL-FILLED AND OTHER TYPES OF DISTRIBUTION TRANSFORMERS / PARKING GARAGES, OPEN OR ENCLOSED / PORCELAIN AND POTTERY / SHEDS / STOVES / TALC AND SOAPS TONES / TANKS / TOWERS / WASHERS AND DRYERS		AEROSOLS, LEVEL 2 AND LEVEL 3 / AIRCRAFT HANGARS / BAGS, CLOTH, BURLAP, AND PAPER / BAMBOO AND RATTAN / BASKETS / BELTING, CANVAS AND LEATHER / BOOKS AND PAPER IN ROLLS OR PACKS / BOOTS AND SHOES / BUTTONS, INCLUDING CLOTH COVERED, PEARL, OR BONE / CARDBOARD AND CARDBOARD BOXES / CLOTHING, WOOLEN WEARING APPAREL / CORDAGE / FURNITURE / FURS / GLUES, MUCILAGE, PASTES, AND SIZE / GRAINS / HORNS AND COMBS, OTHER THAN CELLULOID / LEATHER / LINOLEUM / LUMBER / PETROLEUM WAREHOUSES FOR STORAGE OF LUBRICATING OILS WITH A FLASH POINT OF 200°F (93°C) OR HIGHER / PHOTO ENGRAVINGS / RESILIENT FLOORING / SILKS / SOAPS / SUGAR / TIRES, BULK STORAGE / TOBACCO, CIGARS, CIGARETTES, AND SNUFF / UPHOLSTERY AND MATTRESSES / WAX CANDLES							
FIRE SAFETY PROVISIONS		MINIMUM REQUIREMENTS		LOW HAZARD		ORDINARY HAZARD		HIGH HAZARD	
STANDARD STAIRS		< 2000 PERSON		1120MM CLEAR WIDTH		1120MM CLEAR WIDTH		1120MM CLEAR WIDTH	
		≥ 2000 PERSON		1420MM CLEAR WIDTH		1420MM CLEAR WIDTH		1420MM CLEAR WIDTH	
SPIRAL STAIRS		COMPLYING WITH CHAPTER 7 NFPA 101		PERMITTED		PERMITTED		PERMITTED	
CURVE STAIRS		COMPLYING WITH CHAPTER 7 NFPA 101		NO REQUIREMENTS		NO REQUIREMENTS		NO REQUIREMENTS	
WINDERS		COMPLYING WITH CHAPTER 7 NFPA 101		NO REQUIREMENTS		NO REQUIREMENTS		NO REQUIREMENTS	
GUARDS AND HANDRAILS		COMPLYING WITH CHAPTER 7 NFPA 101		REQUIRED		REQUIRED		REQUIRED	
OUTSIDE STAIRS		COMPLYING WITH CHAPTER 7 NFPA 101		PERMITTED		PERMITTED		PERMITTED	
ENCLOSURE AND PROTECTION OF STAIRS		COMPLYING WITH CHAPTER 7 NFPA 101		REQUIRED		REQUIRED		REQUIRED	
ENCLOSURES		INTERIOR STAIR SERVING AS AN EXIT COMPONENT		REQUIRED		REQUIRED		REQUIRED	
		DOORS FRR*	≤3 STORIES/ ≥3 STORIES	1-HR FRR*	1.5-HR FRR*	1-HR FRR*	1.5-HR FRR*	1-HR FRR*	1.5-HR FRR*
		ENCLOSURES FPR**	≤3 STORIES/ ≥3 STORIES	1-HR FPR**	2-HRS FPR**	1-HR FPR**	2-HRS FPR**	1-HR FPR**	2-HRS FPR**
ENCLOSURE EXEMPTION		PENETRATING ONE FLOOR LEVEL OR SERVING MEZZANINE ONLY		PERMITTED		PERMITTED		PERMITTED	



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS	STORAGE OCCUPANCIES - STORE AND WAREHOUSES			
	WAREHOUSE / BARNs / BULK OIL STORAGE / COLD STORAGE / GRAIN ELEVATORS / FREIGHT TERMINALS / HANGARS (FOR STORAGE ONLY) / TRUCKS & MARINE TERMINALS / PARKING STRUCTURES	AN OCCUPANCY USED PRIMARILY FOR THE STORAGE OR SHELTERING OF GOODS, MERCHANDISE, PRODUCTS OR VEHICLES CHARACTERIZED BY THE PRESENCE OF RELATIVELY SMALL NUMBERS OF PERSON IN PROPORTION TO THE AREA. INCIDENTAL STORAGE IN OTHER OCCUPANCY IS EXCLUDED.			
II	OCCUPANCY CLASSIFICATION	BUILDING AREA AND HEIGHT REQUIREMENTS			
A	LOW HAZARD STORAGE	IN ACCORDANCE WITH NFPA 5000 CHAPTER 7 TABLE 7.4.1 FOR THE ALLOWABLE BUILDING HEIGHT AND AREA REQUIREMENTS			
B	ORDINARY HAZARD STORAGE				
C	HIGH HAZARD STORAGE				
D	STORAGE USE CONSIDERED AS LOW HAZARDS:	STORAGE USE OTHER THAN LOW HAZARDS:			
	ASBESTOS / BEER OR WINE LESS THAN 12% ALCOHOL (IN METAL/GLASS OR CERAMIC CONTAINERS) / CEMENT IN BAGS / CHALK & CRAYONS / DAIRY PRODUCTS IN NONWAXED-COATED PAPER CONTAINERS / DRY CELL BATTERIES / ELECTRICAL COILS / ELECTRICAL MOTORS / EMPTY CANS / FOOD PRODUCTS / FOODS IN NONCOMBUSTIBLE CONTAINERS / FRESH FRUITS AND VEGETABLES IN NON-PLASTIC TRAYS OR CONTAINERS / FROZEN FOODS / GLASS / GLASS BOTTLES, EMPTY OR FILLED WITH NONCOMBUSTIBLE LIQUIDS / GYPSUM BOARD / INERT PIGMENTS / IVORY / MEATS / METAL CABINETS / METAL DESKS WITH PLASTIC TOPS AND TRIM / METAL PARTS / METALS / MIRRORS / OIL-FILLED AND OTHER TYPES OF DISTRIBUTION TRANSFORMERS / PARKING GARAGES, OPEN OR ENCLOSED / PORCELAIN AND POTTERY / SHEDS / STOVES / TALC AND SOAPS TONES / TANKS / TOWERS / WASHERS AND DRYERS	AEROSOLS, LEVEL 2 AND LEVEL 3 / AIRCRAFT HANGARS / BAGS, CLOTH, BURLAP, AND PAPER / BAMBOO AND RATTAN / BASKETS / BELTING, CANVAS AND LEATHER / BOOKS AND PAPER IN ROLLS OR PACKS / BOOTS AND SHOES / BUTTONS, INCLUDING CLOTH COVERED, PEARL, OR BONE / CARDBOARD AND CARDBOARD BOXES / CLOTHING, WOOLEN WEARING APPAREL / CORDAGE / FURNITURE / FURS / GLUES, MUCILAGE, PASTES, AND SIZE / GRAINS / HORNS AND COMBS, OTHER THAN CELLULOID / LEATHER / LINOLEUM / LUMBER / PETROLEUM WAREHOUSES FOR STORAGE OF LUBRICATING OILS WITH A FLASH POINT OF 200°F (93°C) OR HIGHER / PHOTO ENGRAVINGS / RESILIENT FLOORING / SILKS / SOAPS / SUGAR / TIRES, BULK STORAGE / TOBACCO, CIGARS, CIGARETTES, AND SNUFF / UPHOLSTERY AND MATTRESSES / WAX CANDLES			
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW HAZARD	ORDINARY HAZARD	HIGH HAZARD
	EXPOSURES	WALLS AND OPENINGS WITHIN 3050MM HORIZONTALLY OF AN EXTERIOR STAIRWAY ENCLOSURE	1-HR FRR*	1-HR FRR*	1-HR FRR*
	USEABLE SPACE	WITHIN EXIT ENCLOSURE UNDER STAIRS IN ACCORDANCE WITH NFPA 101	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
	STAIRWAY IDENTIFICATION	SERVING 3 OR MORE STOREYS	REQUIRED	REQUIRED	REQUIRED
	EXIT STAIR PATH MARKINGS	ALL STAIR COMPONENTS	REQUIRED	REQUIRED	REQUIRED
	PERIMETER DEMARCATION MARKING	COMPLYING WITH NFPA 101	REQUIRED	REQUIRED	REQUIRED
	LOCK, LATCHES & ALARM DEVICES	COMPLYING WITH NFPA 101	PERMITTED	PERMITTED	PERMITTED
	RE-ENTRY PROVISIONS	LOCKED STAIRS EXCEEDING 4 STOREYS	REQUIRED	REQUIRED	REQUIRED
3	RAMPS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED
4	INDUSTRIAL EQUIPMENT ACCESS RAMPS / PLATFORMS / WALKWAYS / STAIRS AND DOORS	COMPLYING WITH THE DIMENSIONAL CRITERIA IN NFPA 101 TABLE 40.2.5.2.1	PERMITTED	PERMITTED	PERMITTED
5	ROOF ACCESS	BUILDING EQUAL OR MORE THAN 4 STOREYS OR ROOFS 12M ABOVE GRADE PLANE	REQUIRED	REQUIRED	REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS	STORAGE OCCUPANCIES - STORE AND WAREHOUSES			
	WAREHOUSE / BARNs / BULK OIL STORAGE / COLD STORAGE / GRAIN ELEVATORS / FREIGHT TERMINALS / HANGARS (FOR STORAGE ONLY) / TRUCKS & MARINE TERMINALS / PARKING STRUCTURES	AN OCCUPANCY USED PRIMARILY FOR THE STORAGE OR SHELTERING OF GOODS, MERCHANDISE, PRODUCTS OR VEHICLES CHARACTERIZED BY THE PRESENCE OF RELATIVELY SMALL NUMBERS OF PERSON IN PROPORTION TO THE AREA. INCIDENTAL STORAGE IN OTHER OCCUPANCY IS EXCLUDED.			
II	OCCUPANCY CLASSIFICATION	<i>BUILDING AREA AND HEIGHT REQUIREMENTS</i>			
A	LOW HAZARD STORAGE	<p align="center">IN ACCORDANCE WITH NFPA 5000 CHAPTER 7 TABLE 7.4.1 FOR THE ALLOWABLE BUILDING HEIGHT AND AREA REQUIREMENTS</p>			
B	ORDINARY HAZARD STORAGE				
C	HIGH HAZARD STORAGE				
D	STORAGE USE CONSIDERED AS LOW HAZARDS:	STORAGE USE OTHER THAN LOW HAZARDS:			
	ASBESTOS / BEER OR WINE LESS THAN 12% ALCOHOL (IN METAL/GLASS OR CERAMIC CONTAINERS) / CEMENT IN BAGS / CHALK & CRAYONS / DAIRY PRODUCTS IN NONWAXED-COATED PAPER CONTAINERS / DRY CELL BATTERIES / ELECTRICAL COILS / ELECTRICAL MOTORS / EMPTY CANS / FOOD PRODUCTS / FOODS IN NONCOMBUSTIBLE CONTAINERS / FRESH FRUITS AND VEGETABLES IN NON-PLASTIC TRAYS OR CONTAINERS / FROZEN FOODS / GLASS / GLASS BOTTLES, EMPTY OR FILLED WITH NONCOMBUSTIBLE LIQUIDS / GYPSUM BOARD / INERT PIGMENTS / IVORY / MEATS / METAL CABINETS / METAL DESKS WITH PLASTIC TOPS AND TRIM / METAL PARTS / METALS / MIRRORS / OIL-FILLED AND OTHER TYPES OF DISTRIBUTION TRANSFORMERS / PARKING GARAGES, OPEN OR ENCLOSED / PORCELAIN AND POTTERY / SHEDS / STOVES / TALC AND SOAPS TONES / TANKS / TOWERS / WASHERS AND DRYERS	AEROSOLS, LEVEL 2 AND LEVEL 3 / AIRCRAFT HANGARS / BAGS, CLOTH, BURLAP, AND PAPER / BAMBOO AND RATTAN / BASKETS / BELTING, CANVAS AND LEATHER / BOOKS AND PAPER IN ROLLS OR PACKS / BOOTS AND SHOES / BUTTONS, INCLUDING CLOTH COVERED, PEARL, OR BONE / CARDBOARD AND CARDBOARD BOXES / CLOTHING, WOOLEN WEARING APPAREL / CORDAGE / FURNITURE / FURS / GLUES, MUCILAGE, PASTES, AND SIZE / GRAINS / HORNS AND COMBS, OTHER THAN CELLULOID / LEATHER / LINOLEUM / LUMBER / PETROLEUM WAREHOUSES FOR STORAGE OF LUBRICATING OILS WITH A FLASH POINT OF 200°F (93°C) OR HIGHER / PHOTO ENGRAVINGS / RESILIENT FLOORING / SILKS / SOAPS / SUGAR / TIRES, BULK STORAGE / TOBACCO, CIGARS, CIGARETTES, AND SNUFF / UPHOLSTERY AND MATTRESSES / WAX CANDLES			
	<i>FIRE SAFETY PROVISIONS</i>	<i>MINIMUM REQUIREMENTS</i>	<i>LOW HAZARD</i>	<i>ORDINARY HAZARD</i>	<i>HIGH HAZARD</i>
5	ROOF ACCESS	ONE AT EACH 9300M ² ROOF AREA	REQUIRED	REQUIRED	REQUIRED
		FLAT ROOFS OR ROOF PITCH < 3 IN 12	REQUIRED	REQUIRED	REQUIRED
		STAIRS AS ACCESS WITH OPERABLE DOORS	REQUIRED	REQUIRED	REQUIRED
6	SMOKE PROOF ENCLOSURES	FRR* (FIRE RESISTANCE RATING)			
	STAIR ENCLOSURES	ALL INSIDE STAIR SERVING AS AN EXIT COMPONENT	REQUIRED	REQUIRED	REQUIRED
		OPEN STAIR PENETRATING ONE (1) LEVEL ONLY	PERMITTED	PERMITTED	NOT PERMITTED
	FIRE FIGHTING LOBBY (F/F LOBBY)	IN EVERY FIRE LIFT PROVISIONS	REQUIRED WHEN FIRE LIFT'S PROVIDED	REQUIRED WHEN FIRE LIFT'S PROVIDED	REQUIRED WHEN FIRE LIFT'S PROVIDED
		ADJACENT AND ACCESSIBLE TO AN EXIT STAIRCASE			
		SERVES AS A COMMON LOBBY FOR BOTH FIRE LIFT AND THE ADJACENT EXIT STAIRCASE			
		6M ² MINIMUM WORKING SPACE/AREA (2.0M LEAST SIDE DIMENSIONS)			
		PROVISIONS AT THE LEVEL OF EXIT DISCHARGE	NOT REQUIRED IF EXITS COMPLIES WITH EXIT DISCHARGE REQUIREMENTS	NOT REQUIRED IF EXITS COMPLIES WITH EXIT DISCHARGE REQUIREMENTS	NOT REQUIRED IF EXITS COMPLIES WITH EXIT DISCHARGE REQUIREMENTS



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS	STORAGE OCCUPANCIES - STORE AND WAREHOUSES			
	WAREHOUSE / BARNs / BULK OIL STORAGE / COLD STORAGE / GRAIN ELEVATORS / FREIGHT TERMINALS / HANGARS (FOR STORAGE ONLY) / TRUCKS & MARINE TERMINALS / PARKING STRUCTURES	AN OCCUPANCY USED PRIMARILY FOR THE STORAGE OR SHELTERING OF GOODS, MERCHANDISE, PRODUCTS OR VEHICLES CHARACTERIZED BY THE PRESENCE OF RELATIVELY SMALL NUMBERS OF PERSON IN PROPORTION TO THE AREA. INCIDENTAL STORAGE IN OTHER OCCUPANCY IS EXCLUDED.			
II	OCCUPANCY CLASSIFICATION	<i>BUILDING AREA AND HEIGHT REQUIREMENTS</i>			
A	LOW HAZARD STORAGE	IN ACCORDANCE WITH NFPA 5000 CHAPTER 7 TABLE 7.4.1 FOR THE ALLOWABLE BUILDING HEIGHT AND AREA REQUIREMENTS			
B	ORDINARY HAZARD STORAGE				
C	HIGH HAZARD STORAGE				
D	STORAGE USE CONSIDERED AS LOW HAZARDS:	STORAGE USE OTHER THAN LOW HAZARDS:			
	ASBESTOS / BEER OR WINE LESS THAN 12% ALCOHOL (IN METAL/GLASS OR CERAMIC CONTAINERS) / CEMENT IN BAGS / CHALK & CRAYONS / DAIRY PRODUCTS IN NONWAXED-COATED PAPER CONTAINERS / DRY CELL BATTERIES / ELECTRICAL COILS / ELECTRICAL MOTORS / EMPTY CANS / FOOD PRODUCTS / FOODS IN NONCOMBUSTIBLE CONTAINERS / FRESH FRUITS AND VEGETABLES IN NON-PLASTIC TRAYS OR CONTAINERS / FROZEN FOODS / GLASS / GLASS BOTTLES, EMPTY OR FILLED WITH NONCOMBUSTIBLE LIQUIDS / GYPSUM BOARD / INERT PIGMENTS / IVORY / MEATS / METAL CABINETS / METAL DESKS WITH PLASTIC TOPS AND TRIM / METAL PARTS / METALS / MIRRORS / OIL-FILLED AND OTHER TYPES OF DISTRIBUTION TRANSFORMERS / PARKING GARAGES, OPEN OR ENCLOSED / PORCELAIN AND POTTERY / SHEDS / STOVES / TALC AND SOAPS TONES / TANKS / TOWERS / WASHERS AND DRYERS	AEROSOLS, LEVEL 2 AND LEVEL 3 / AIRCRAFT HANGARS / BAGS, CLOTH, BURLAP, AND PAPER / BAMBOO AND RATTAN / BASKETS / BELTING, CANVAS AND LEATHER / BOOKS AND PAPER IN ROLLS OR PACKS / BOOTS AND SHOES / BUTTONS, INCLUDING CLOTH COVERED, PEARL, OR BONE / CARDBOARD AND CARDBOARD BOXES / CLOTHING, WOOLEN WEARING APPAREL / CORDAGE / FURNITURE / FURS / GLUES, MUCILAGE, PASTES, AND SIZE / GRAINS / HORNS AND COMBS, OTHER THAN CELLULOID / LEATHER / LINOLEUM / LUMBER / PETROLEUM WAREHOUSES FOR STORAGE OF LUBRICATING OILS WITH A FLASH POINT OF 200°F (93°C) OR HIGHER / PHOTO ENGRAVINGS / RESILIENT FLOORING / SILKS / SOAPS / SUGAR / TIRES, BULK STORAGE / TOBACCO, CIGARS, CIGARETTES, AND SNUFF / UPHOLSTERY AND MATTRESSES / WAX CANDLES			
	<i>FIRE SAFETY PROVISIONS</i>	<i>MINIMUM REQUIREMENTS</i>	LOW HAZARD	ORDINARY HAZARD	HIGH HAZARD
	SMOKE-STOP LOBBY (S/S LOBBY)	HIGH-RISE BUILDINGS WITH HABITABLE HEIGHT HIGHER THAN 28 METERS	REQUIRED	REQUIRED	REQUIRED
		BASEMENT LEVEL/S EXCEED 9.0M METERS DEPTH	REQUIRED	REQUIRED	REQUIRED
		BUILDING TRAVERSES MORE THAN FIVE (5) FLOOR LEVELS INCLUDING BASEMENT/S AND BELONGS TO A PLACE OF PUBLIC RESORT (ASSEMBLY & HEALTHCARE OCCUPANCY) REGARDLESS OF THE HABITABLE HEIGHT.	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
		3M ² MIN. AREA (LEAST SIDE DIMENSION 1.8M)	REQUIRED	REQUIRED	REQUIRED
		PROVISIONS AT THE LEVEL OF EXIT DISCHARGE	NOT REQUIRED IF EXITS COMPLIES WITH EXIT DISCHARGE REQ'TS	NOT REQUIRED IF EXITS COMPLIES WITH EXIT DISCHARGE REQ'TS	NOT REQUIRED IF EXITS COMPLIES WITH EXIT DISCHARGE REQ'TS
	SMOKE-STOP LOBBY AND FIRE FIGHTING LOBBY DOORS AND WALL ENCLOSURES	1.5-HR FPR** FIRE PROTECTION RATING/ 2-HRS FRR* FIRE RESISTANCE RATING	REQUIRED WHEN LOBBY'S PROVIDED	REQUIRED WHEN LOBBY'S PROVIDED	REQUIRED WHEN LOBBY'S PROVIDED
7	HORIZONTAL EXITS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	NOT PERMITTED
8	EXIT PASSAGEWAYS	ENCLOSURE & SEPARATION FIRE RESISTANCE RATING COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I APPLICATIONS		STORAGE OCCUPANCIES - STORE AND WAREHOUSES			
WAREHOUSE / BARNs / BULK OIL STORAGE / COLD STORAGE / GRAIN ELEVATORS / FREIGHT TERMINALS / HANGARS (FOR STORAGE ONLY) / TRUCKS & MARINE TERMINALS / PARKING STRUCTURES		AN OCCUPANCY USED PRIMARILY FOR THE STORAGE OR SHELTERING OF GOODS, MERCHANDISE, PRODUCTS OR VEHICLES CHARACTERIZED BY THE PRESENCE OF RELATIVELY SMALL NUMBERS OF PERSON IN PROPORTION TO THE AREA. INCIDENTAL STORAGE IN OTHER OCCUPANCY IS EXCLUDED.			
II OCCUPANCY CLASSIFICATION		BUILDING AREA AND HEIGHT REQUIREMENTS			
A	LOW HAZARD STORAGE	IN ACCORDANCE WITH NFPA 5000 CHAPTER 7 TABLE 7.4.1 FOR THE ALLOWABLE BUILDING HEIGHT AND AREA REQUIREMENTS			
B	ORDINARY HAZARD STORAGE				
C	HIGH HAZARD STORAGE				
D	STORAGE USE CONSIDERED AS LOW HAZARDS:	STORAGE USE OTHER THAN LOW HAZARDS:			
ASBESTOS / BEER OR WINE LESS THAN 12% ALCOHOL (IN METAL/GLASS OR CERAMIC CONTAINERS) / CEMENT IN BAGS / CHALK & CRAYONS / DAIRY PRODUCTS IN NONWAXED-COATED PAPER CONTAINERS / DRY CELL BATTERIES / ELECTRICAL COILS / ELECTRICAL MOTORS / EMPTY CANS / FOOD PRODUCTS / FOODS IN NONCOMBUSTIBLE CONTAINERS / FRESH FRUITS AND VEGETABLES IN NON-PLASTIC TRAYS OR CONTAINERS / FROZEN FOODS / GLASS / GLASS BOTTLES, EMPTY OR FILLED WITH NONCOMBUSTIBLE LIQUIDS / GYPSUM BOARD / INERT PIGMENTS / IVORY / MEATS / METAL CABINETS / METAL DESKS WITH PLASTIC TOPS AND TRIM / METAL PARTS / METALS / MIRRORS / OIL-FILLED AND OTHER TYPES OF DISTRIBUTION TRANSFORMERS / PARKING GARAGES, OPEN OR ENCLOSED / PORCELAIN AND POTTERY / SHEDS / STOVES / TALC AND SOAPS TONES / TANKS / TOWERS / WASHERS AND DRYERS		AEROSOLS, LEVEL 2 AND LEVEL 3 / AIRCRAFT HANGARS / BAGS, CLOTH, BURLAP, AND PAPER / BAMBOO AND RATTAN / BASKETS / BELTING, CANVAS AND LEATHER / BOOKS AND PAPER IN ROLLS OR PACKS / BOOTS AND SHOES / BUTTONS, INCLUDING CLOTH COVERED, PEARL, OR BONE / CARDBOARD AND CARDBOARD BOXES / CLOTHING, WOOLEN WEARING APPAREL / CORDAGE / FURNITURE / FURS / GLUES, MUCILAGE, PASTES, AND SIZE / GRAINS / HORNS AND COMBS, OTHER THAN CELLULOID / LEATHER / LINOLEUM / LUMBER / PETROLEUM WAREHOUSES FOR STORAGE OF LUBRICATING OILS WITH A FLASH POINT OF 200°F (93°C) OR HIGHER / PHOTO ENGRAVINGS / RESILIENT FLOORING / SILKS / SOAPS / SUGAR / TIRES, BULK STORAGE / TOBACCO, CIGARS, CIGARETTES, AND SNUFF / UPHOLSTERY AND MATTRESSES / WAX CANDLES			
FIRE SAFETY PROVISIONS		MINIMUM REQUIREMENTS	LOW HAZARD	ORDINARY HAZARD	HIGH HAZARD
EXIT PASSAGEWAYS		MINIMUM WIDTH NOT LESS THAN ¾ OF THE WIDTH OF THE EXIT STAIR	REQUIRED	REQUIRED	REQUIRED
9	ESCALATORS & MOVING WALKS	AS PART OF THE REQUIRED MEANS OF EGRESS	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
10	FIRE ESCAPE STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED
11	FIRE ESCAPE LADDERS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	NOT PERMITTED
12	SLIDE ESCAPES	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED
13	ALTERNATING TREAD DEVICES	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	NOT PERMITTED
14	AREAS OF REFUGE	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
15	ELEVATORS	AS PART OF THE REQUIRED MEANS OF EGRESS A	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
		AS PER NFPA 101 & ASME A17.1/CSA B44	PERMITTED	PERMITTED	PERMITTED
ELEVATOR DOORS		OPENING INTO EXIT ENCLOSURES	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
C	CAPACITY OF MEANS OF EGRESS				
1	OCCUPANT LOAD	NFPA 101 TABLE 7.3.1.2 OCCUPANT LOAD FACTORS	THE MAXIMUM PROBABLE NUMBER OF OCCUPANTS PRESENT AT ANYTIME	THE MAXIMUM PROBABLE NUMBER OF OCCUPANTS PRESENT AT ANYTIME	THE MAXIMUM PROBABLE NUMBER OF OCCUPANTS PRESENT AT ANYTIME



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I APPLICATIONS		STORAGE OCCUPANCIES - STORE AND WAREHOUSES					
WAREHOUSE / BARNs / BULK OIL STORAGE / COLD STORAGE / GRAIN ELEVATORS / FREIGHT TERMINALS / HANGARS (FOR STORAGE ONLY) / TRUCKS & MARINE TERMINALS / PARKING STRUCTURES		AN OCCUPANCY USED PRIMARILY FOR THE STORAGE OR SHELTERING OF GOODS, MERCHANDISE, PRODUCTS OR VEHICLES CHARACTERIZED BY THE PRESENCE OF RELATIVELY SMALL NUMBERS OF PERSON IN PROPORTION TO THE AREA. INCIDENTAL STORAGE IN OTHER OCCUPANCY IS EXCLUDED.					
II OCCUPANCY CLASSIFICATION		BUILDING AREA AND HEIGHT REQUIREMENTS					
A	LOW HAZARD STORAGE	IN ACCORDANCE WITH NFPA 5000 CHAPTER 7 TABLE 7.4.1 FOR THE ALLOWABLE BUILDING HEIGHT AND AREA REQUIREMENTS					
B	ORDINARY HAZARD STORAGE						
C	HIGH HAZARD STORAGE						
D	STORAGE USE CONSIDERED AS LOW HAZARDS:	STORAGE USE OTHER THAN LOW HAZARDS:					
ASBESTOS / BEER OR WINE LESS THAN 12% ALCOHOL (IN METAL/GLASS OR CERAMIC CONTAINERS) / CEMENT IN BAGS / CHALK & CRAYONS / DAIRY PRODUCTS IN NONWAXED-COATED PAPER CONTAINERS / DRY CELL BATTERIES / ELECTRICAL COILS / ELECTRICAL MOTORS / EMPTY CANS / FOOD PRODUCTS / FOODS IN NONCOMBUSTIBLE CONTAINERS / FRESH FRUITS AND VEGETABLES IN NON-PLASTIC TRAYS OR CONTAINERS / FROZEN FOODS / GLASS / GLASS BOTTLES, EMPTY OR FILLED WITH NONCOMBUSTIBLE LIQUIDS / GYPSUM BOARD / INERT PIGMENTS / IVORY / MEATS / METAL CABINETS / METAL DESKS WITH PLASTIC TOPS AND TRIM / METAL PARTS / METALS / MIRRORS / OIL-FILLED AND OTHER TYPES OF DISTRIBUTION TRANSFORMERS / PARKING GARAGES, OPEN OR ENCLOSED / PORCELAIN AND POTTERY / SHEDS / STOVES / TALC AND SOAPS TONES / TANKS / TOWERS / WASHERS AND DRYERS		AEROSOLS, LEVEL 2 AND LEVEL 3 / AIRCRAFT HANGARS / BAGS, CLOTH, BURLAP, AND PAPER / BAMBOO AND RATTAN / BASKETS / BELTING, CANVAS AND LEATHER / BOOKS AND PAPER IN ROLLS OR PACKS / BOOTS AND SHOES / BUTTONS, INCLUDING CLOTH COVERED, PEARL, OR BONE / CARDBOARD AND CARDBOARD BOXES / CLOTHING, WOOLEN WEARING APPAREL / CORDAGE / FURNITURE / FURS / GLUES, MUCILAGE, PASTES, AND SIZE / GRAINS / HORNS AND COMBS, OTHER THAN CELLULOID / LEATHER / LINOLEUM / LUMBER / PETROLEUM WAREHOUSES FOR STORAGE OF LUBRICATING OILS WITH A FLASH POINT OF 200°F (93°C) OR HIGHER / PHOTO ENGRAVINGS / RESILIENT FLOORING / SILKS / SOAPS / SUGAR / TIRES, BULK STORAGE / TOBACCO, CIGARS, CIGARETTES, AND SNUFF / UPHOLSTERY AND MATTRESSES / WAX CANDLES					
FIRE SAFETY PROVISIONS		MINIMUM REQUIREMENTS	LOW HAZARD	ORDINARY HAZARD	HIGH HAZARD		
2	EGRESS CAPACITY	NFPA 101 TABLE 7.3.3.1 CAPACITY FACTORS	REQUIRED	REQUIRED	REQUIRED		
D	NUMBER OF EXITS						
1	SINGLE EXIT	SERVING ALL FLOOR LEVELS	NOT LESS THAN 2 EXITS REQUIRED	NOT LESS THAN 2 EXITS REQUIRED	NOT LESS THAN 2 EXITS REQUIRED		
		IN MEZZANINES WITH EXIT TRAVEL WITHIN COMMON PATH LIMIT	PERMITTED	PERMITTED	NOT PERMITTED		
		ANY STORY OR SECTION WITH EXIT TRAVEL WITHIN COMMON PATH LIMIT	PERMITTED	PERMITTED	NOT PERMITTED		
2	2 SEPARATE EXITS	50 - 500 OCCUPANTS	REQUIRED	REQUIRED	REQUIRED		
3	3 SEPARATE EXITS	EQUAL OR MORE THAN 500 OCCUPANTS	REQUIRED	REQUIRED	REQUIRED		
4	4 SEPARATE EXITS	EQUAL OR MORE THAN 1000 OCCUPANTS	REQUIRED	REQUIRED	REQUIRED		
E	ARRANGEMENT OF EXITS	(NS*-NOT SPRINKLERED / S**-SPRINKLERED)	NS*	S**	NS*	S**	NS*
1	TRAVEL DISTANCE	NFPA 101 TABLE 42.2.6	NOT LIMITED	61M	122M	23M	30M
2	COMMON PATH LIMIT	NFPA 101 TABLE 42.2.5	NOT LIMITED	15M	30M	0	0
3	DEAD-END CORRIDOR	NFPA 101 TABLE 42.2.5	NOT LIMITED	15M	30M	0	0



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS	STORAGE OCCUPANCIES - STORE AND WAREHOUSES			
	WAREHOUSE / BARNs / BULK OIL STORAGE / COLD STORAGE / GRAIN ELEVATORS / FREIGHT TERMINALS / HANGARS (FOR STORAGE ONLY) / TRUCKS & MARINE TERMINALS / PARKING STRUCTURES	AN OCCUPANCY USED PRIMARILY FOR THE STORAGE OR SHELTERING OF GOODS, MERCHANDISE, PRODUCTS OR VEHICLES CHARACTERIZED BY THE PRESENCE OF RELATIVELY SMALL NUMBERS OF PERSON IN PROPORTION TO THE AREA. INCIDENTAL STORAGE IN OTHER OCCUPANCY IS EXCLUDED.			
II	OCCUPANCY CLASSIFICATION	BUILDING AREA AND HEIGHT REQUIREMENTS			
A	LOW HAZARD STORAGE	IN ACCORDANCE WITH NFPA 5000 CHAPTER 7 TABLE 7.4.1 FOR THE ALLOWABLE BUILDING HEIGHT AND AREA REQUIREMENTS			
B	ORDINARY HAZARD STORAGE				
C	HIGH HAZARD STORAGE				
D	STORAGE USE CONSIDERED AS LOW HAZARDS:	STORAGE USE OTHER THAN LOW HAZARDS:			
	ASBESTOS / BEER OR WINE LESS THAN 12% ALCOHOL (IN METAL/GLASS OR CERAMIC CONTAINERS) / CEMENT IN BAGS / CHALK & CRAYONS / DAIRY PRODUCTS IN NONWAXED-COATED PAPER CONTAINERS / DRY CELL BATTERIES / ELECTRICAL COILS / ELECTRICAL MOTORS / EMPTY CANS / FOOD PRODUCTS / FOODS IN NONCOMBUSTIBLE CONTAINERS / FRESH FRUITS AND VEGETABLES IN NON-PLASTIC TRAYS OR CONTAINERS / FROZEN FOODS / GLASS / GLASS BOTTLES, EMPTY OR FILLED WITH NONCOMBUSTIBLE LIQUIDS / GYPSUM BOARD / INERT PIGMENTS / IVORY / MEATS / METAL CABINETS / METAL DESKS WITH PLASTIC TOPS AND TRIM / METAL PARTS / METALS / MIRRORS / OIL-FILLED AND OTHER TYPES OF DISTRIBUTION TRANSFORMERS / PARKING GARAGES, OPEN OR ENCLOSED / PORCELAIN AND POTTERY / SHEDS / STOVES / TALC AND SOAPS TONES / TANKS / TOWERS / WASHERS AND DRYERS	AEROSOLS, LEVEL 2 AND LEVEL 3 / AIRCRAFT HANGARS / BAGS, CLOTH, BURLAP, AND PAPER / BAMBOO AND RATTAN / BASKETS / BELTING, CANVAS AND LEATHER / BOOKS AND PAPER IN ROLLS OR PACKS / BOOTS AND SHOES / BUTTONS, INCLUDING CLOTH COVERED, PEARL, OR BONE / CARDBOARD AND CARDBOARD BOXES / CLOTHING, WOOLEN WEARING APPAREL / CORDAGE / FURNITURE / FURS / GLUES, MUCILAGE, PASTES, AND SIZE / GRAINS / HORNS AND COMBS, OTHER THAN CELLULOID / LEATHER / LINOLEUM / LUMBER / PETROLEUM WAREHOUSES FOR STORAGE OF LUBRICATING OILS WITH A FLASH POINT OF 200°F (93°C) OR HIGHER / PHOTO ENGRAVINGS / RESILIENT FLOORING / SILKS / SOAPS / SUGAR / TIRES, BULK STORAGE / TOBACCO, CIGARS, CIGARETTES, AND SNUFF / UPHOLSTERY AND MATTRESSES / WAX CANDLES			
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW HAZARD	ORDINARY HAZARD	HIGH HAZARD
4	EXIT DISCHARGE	COMPLYING WITH NFPA 101	REQUIRED	REQUIRED	REQUIRED
5	EXTERIOR WAYS OF EXIT	COMPLYING WITH NFPA 101	PERMITTED	PERMITTED	PERMITTED
6	ACCESSIBLE MEANS OF EGRESS	FOR PEOPLE WITH SEVERE MOBILITY IMPAIRMENT	2 EXIT REQUIRED	2 EXIT REQUIRED	2 EXIT REQUIRED
7	ILLUMINATION OF MEANS OF EGRESS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
8	EMERGENCY LIGHTING	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
9	MARKINGS OF MEANS OF EGRESS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
F	SPECIAL MEANS OF EGRESS PROVISIONS				
1	FIREMEN ACCESS PANELS	ANY NUMBER OF STORIES	REQUIRED	REQUIRED	REQUIRED
2	REFUGE FLOORS	AT AN INTERVAL OF 20 STORIES	BUILDINGS EXCEEDING 30 STORIES	BUILDINGS EXCEEDING 30 STORIES	BUILDINGS EXCEEDING 30 STORIES
3	ELEVATORS FOR OCCUPANT CONTROLLED EVACUATION PRIOR TO PHASE I EMERGENCY RECALL OPERATIONS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED	PERMITTED	PERMITTED
V	INTERIOR FINISH CONTENTS AND FURNISHING				
A	INTERIOR FINISH	COMPLYING WITH CHAPTER 10 OF NFPA 101	REQUIRED	REQUIRED	REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		STORAGE OCCUPANCIES - STORE AND WAREHOUSES			
	WAREHOUSE / BARNs / BULK OIL STORAGE / COLD STORAGE / GRAIN ELEVATORS / FREIGHT TERMINALS / HANGARS (FOR STORAGE ONLY) / TRUCKS & MARINE TERMINALS / PARKING STRUCTURES		AN OCCUPANCY USED PRIMARILY FOR THE STORAGE OR SHELTERING OF GOODS, MERCHANDISE, PRODUCTS OR VEHICLES CHARACTERIZED BY THE PRESENCE OF RELATIVELY SMALL NUMBERS OF PERSON IN PROPORTION TO THE AREA. INCIDENTAL STORAGE IN OTHER OCCUPANCY IS EXCLUDED.			
II	OCCUPANCY CLASSIFICATION		BUILDING AREA AND HEIGHT REQUIREMENTS			
A	LOW HAZARD STORAGE		IN ACCORDANCE WITH NFPA 5000 CHAPTER 7 TABLE 7.4.1 FOR THE ALLOWABLE BUILDING HEIGHT AND AREA REQUIREMENTS			
B	ORDINARY HAZARD STORAGE					
C	HIGH HAZARD STORAGE					
D	STORAGE USE CONSIDERED AS LOW HAZARDS:		STORAGE USE OTHER THAN LOW HAZARDS:			
	ASBESTOS / BEER OR WINE LESS THAN 12% ALCOHOL (IN METAL/GLASS OR CERAMIC CONTAINERS) / CEMENT IN BAGS / CHALK & CRAYONS / DAIRY PRODUCTS IN NONWAXED-COATED PAPER CONTAINERS / DRY CELL BATTERIES / ELECTRICAL COILS / ELECTRICAL MOTORS / EMPTY CANS / FOOD PRODUCTS / FOODS IN NONCOMBUSTIBLE CONTAINERS / FRESH FRUITS AND VEGETABLES IN NON-PLASTIC TRAYS OR CONTAINERS / FROZEN FOODS / GLASS / GLASS BOTTLES, EMPTY OR FILLED WITH NONCOMBUSTIBLE LIQUIDS / GYPSUM BOARD / INERT PIGMENTS / IVORY / MEATS / METAL CABINETS / METAL DESKS WITH PLASTIC TOPS AND TRIM / METAL PARTS / METALS / MIRRORS / OIL-FILLED AND OTHER TYPES OF DISTRIBUTION TRANSFORMERS / PARKING GARAGES, OPEN OR ENCLOSED / PORCELAIN AND POTTERY / SHEDS / STOVES / TALC AND SOAPS TONES / TANKS / TOWERS / WASHERS AND DRYERS		AEROSOLS, LEVEL 2 AND LEVEL 3 / AIRCRAFT HANGARS / BAGS, CLOTH, BURLAP, AND PAPER / BAMBOO AND RATTAN / BASKETS / BELTING, CANVAS AND LEATHER / BOOKS AND PAPER IN ROLLS OR PACKS / BOOTS AND SHOES / BUTTONS, INCLUDING CLOTH COVERED, PEARL, OR BONE / CARDBOARD AND CARDBOARD BOXES / CLOTHING, WOOLEN WEARING APPAREL / CORDAGE / FURNITURE / FURS / GLUES, MUCILAGE, PASTES, AND SIZE / GRAINS / HORNS AND COMBS, OTHER THAN CELLULOID / LEATHER / LINOLEUM / LUMBER / PETROLEUM WAREHOUSES FOR STORAGE OF LUBRICATING OILS WITH A FLASH POINT OF 200°F (93°C) OR HIGHER / PHOTO ENGRAVINGS / RESILIENT FLOORING / SILKS / SOAPS / SUGAR / TIRES, BULK STORAGE / TOBACCO, CIGARS, CIGARETTES, AND SNUFF / UPHOLSTERY AND MATTRESSES / WAX CANDLES			
	FIRE SAFETY PROVISIONS		MINIMUM REQUIREMENTS			
			LOW HAZARD	ORDINARY HAZARD	HIGH HAZARD	
1	INTERIOR WALL & CEILING FINISHES	CLASS A, B OR C IN STORAGE AREAS	REQUIRED	REQUIRED	REQUIRED	
		CLASS A OR CLASS B IN EXIT ENCLOSURE	REQUIRED	REQUIRED	REQUIRED	
2	INTERIOR FLOOR FINISHES	IN STORAGE AREAS	REQUIRED	REQUIRED	REQUIRED	
		CLASS II (IN EXIT ENCLOSURE)	NR-NOT REQUIRED	NR	NR-NOT REQUIRED	
VI	FEATURES OF FIRE PROTECTION (NFPA 5000 TABLES 7.2.1.1, 7.3.2.1, 7.3.5 (a), (b), 7.3.5.5, 7.4.1)					
A	CONSTRUCTION		COMPLYING WITH CHAPTER 7 & 8 OF NFPA 5000			
1	CONSTRUCTION	TYPE I OR TYPE II	EXTERIOR BEARING WALLS	HOURLY RATINGS REQUIRED PER TYPE OF CONSTRUCTION BASED ON NFPA 5000 HEIGHT & AREA REQUIREMENTS	HOURLY RATINGS REQUIRED PER TYPE OF CONSTRUCTION BASED ON NFPA 5000 HEIGHT & AREA REQUIREMENTS	HOURLY RATINGS BASED ON NFPA 5000 HEIGHT & AREA REQUIREMENTS AND AS PER HIGH HAZARD REQUIRED PROTECTION LEVEL
		TYPE III OR TYPE IV OR TYPE V				
		FLOOR CONSTRUCTION				
B	COMPARTMENTATION / SUBDIVISION OF BUILDING SPACES		COMPLYING WITH NFPA 101 & NFPA 5000			
1	FIRE BARRIERS		COMPLYING WITH NFPA 101 & NFPA 5000			
2	SEPARATION FROM OTHER OCCUPANCIES		COMPLYING WITH NFPA 101 TABLE 6.1.14.4.1 (a), (b)			



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS	STORAGE OCCUPANCIES - STORE AND WAREHOUSES			
	WAREHOUSE / BARNs / BULK OIL STORAGE / COLD STORAGE / GRAIN ELEVATORS / FREIGHT TERMINALS / HANGARS (FOR STORAGE ONLY) / TRUCKS & MARINE TERMINALS / PARKING STRUCTURES	AN OCCUPANCY USED PRIMARILY FOR THE STORAGE OR SHELTERING OF GOODS, MERCHANDISE, PRODUCTS OR VEHICLES CHARACTERIZED BY THE PRESENCE OF RELATIVELY SMALL NUMBERS OF PERSON IN PROPORTION TO THE AREA. INCIDENTAL STORAGE IN OTHER OCCUPANCY IS EXCLUDED.			
II	OCCUPANCY CLASSIFICATION	BUILDING AREA AND HEIGHT REQUIREMENTS			
A	LOW HAZARD STORAGE	IN ACCORDANCE WITH NFPA 5000 CHAPTER 7 TABLE 7.4.1 FOR THE ALLOWABLE BUILDING HEIGHT AND AREA REQUIREMENTS			
B	ORDINARY HAZARD STORAGE				
C	HIGH HAZARD STORAGE				
D	STORAGE USE CONSIDERED AS LOW HAZARDS:	STORAGE USE OTHER THAN LOW HAZARDS:			
	ASBESTOS / BEER OR WINE LESS THAN 12% ALCOHOL (IN METAL/GLASS OR CERAMIC CONTAINERS) / CEMENT IN BAGS / CHALK & CRAYONS / DAIRY PRODUCTS IN NONWAXED-COATED PAPER CONTAINERS / DRY CELL BATTERIES / ELECTRICAL COILS / ELECTRICAL MOTORS / EMPTY CANS / FOOD PRODUCTS / FOODS IN NONCOMBUSTIBLE CONTAINERS / FRESH FRUITS AND VEGETABLES IN NON-PLASTIC TRAYS OR CONTAINERS / FROZEN FOODS / GLASS / GLASS BOTTLES, EMPTY OR FILLED WITH NONCOMBUSTIBLE LIQUIDS / GYPSUM BOARD / INERT PIGMENTS / IVORY / MEATS / METAL CABINETS / METAL DESKS WITH PLASTIC TOPS AND TRIM / METAL PARTS / METALS / MIRRORS / OIL-FILLED AND OTHER TYPES OF DISTRIBUTION TRANSFORMERS / PARKING GARAGES, OPEN OR ENCLOSED / PORCELAIN AND POTTERY / SHEDS / STOVES / TALC AND SOAPS TONES / TANKS / TOWERS / WASHERS AND DRYERS	AEROSOLS, LEVEL 2 AND LEVEL 3 / AIRCRAFT HANGARS / BAGS, CLOTH, BURLAP, AND PAPER / BAMBOO AND RATTAN / BASKETS / BELTING, CANVAS AND LEATHER / BOOKS AND PAPER IN ROLLS OR PACKS / BOOTS AND SHOES / BUTTONS, INCLUDING CLOTH COVERED, PEARL, OR BONE / CARDBOARD AND CARDBOARD BOXES / CLOTHING, WOOLEN WEARING APPAREL / CORDAGE / FURNITURE / FURS / GLUES, MUCILAGE, PASTES, AND SIZE / GRAINS / HORNS AND COMBS, OTHER THAN CELLULOID / LEATHER / LINOLEUM / LUMBER / PETROLEUM WAREHOUSES FOR STORAGE OF LUBRICATING OILS WITH A FLASH POINT OF 200°F (93°C) OR HIGHER / PHOTO ENGRAVINGS / RESILIENT FLOORING / SILKS / SOAPS / SUGAR / TIRES, BULK STORAGE / TOBACCO, CIGARS, CIGARETTES, AND SNUFF / UPHOLSTERY AND MATTRESSES / WAX CANDLES			
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW HAZARD	ORDINARY HAZARD	HIGH HAZARD
3	SMOKE PARTITIONS	COMPLYING WITH NFPA 101 & NFPA 5000	REQUIRED	REQUIRED	REQUIRED
4	SMOKE BARRIERS	COMPLYING WITH NFPA 101 & NFPA 5000	REQUIRED	REQUIRED	REQUIRED
C	VERTICAL OPENINGS PROTECTION	PROTECTION COMPLYING WITH NFPA CODES	REQUIRED	REQUIRED	REQUIRED
1	COMMUNICATING SPACES	COMPLYING WITH CHAPTER 8 NFPA 101	PERMITTED	PERMITTED	PERMITTED
2	ATRIUMS	COMPLYING WITH CHAPTER 8 NFPA 101	PERMITTED	PERMITTED	PERMITTED
3	CONVENIENCE OPENINGS	COMPLYING WITH CHAPTER 8 NFPA 101	PERMITTED	PERMITTED	PERMITTED
4	SHAFTS	COMPLYING WITH CHAPTER 8 NFPA 101	PERMITTED	PERMITTED	PERMITTED
5	MEZZANINES	COMPLYING WITH CHAPTER 8 NFPA 101	PERMITTED	PERMITTED	PERMITTED
6	CONCEALED SPACES & DRAFSTOPS	COMPLYING WITH CHAPTER 8 NFPA 101	REQUIRED	REQUIRED	REQUIRED
	EXTERIOR & INTERIOR WALL & PARTITION	FIRESTOPPED AT EACH FLOOR LEVEL, TOP STORY CEILING LEVEL & AT THE LEVEL OF SUPPORT FOR ROOFS	REQUIRED	REQUIRED	REQUIRED
	UNOCCUPIED ATTIC SPACES	DRAFSTOP INTO AREAS NOT EXCEEDING 280M ²	REQUIRED	REQUIRED	REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		STORAGE OCCUPANCIES - STORE AND WAREHOUSES		
	WAREHOUSE / BARNs / BULK OIL STORAGE / COLD STORAGE / GRAIN ELEVATORS / FREIGHT TERMINALS / HANGARS (FOR STORAGE ONLY) / TRUCKS & MARINE TERMINALS / PARKING STRUCTURES		AN OCCUPANCY USED PRIMARILY FOR THE STORAGE OR SHELTERING OF GOODS, MERCHANDISE, PRODUCTS OR VEHICLES CHARACTERIZED BY THE PRESENCE OF RELATIVELY SMALL NUMBERS OF PERSON IN PROPORTION TO THE AREA. INCIDENTAL STORAGE IN OTHER OCCUPANCY IS EXCLUDED.		
II	OCCUPANCY CLASSIFICATION		BUILDING AREA AND HEIGHT REQUIREMENTS		
A	LOW HAZARD STORAGE		IN ACCORDANCE WITH NFPA 5000 CHAPTER 7 TABLE 7.4.1 FOR THE ALLOWABLE BUILDING HEIGHT AND AREA REQUIREMENTS		
B	ORDINARY HAZARD STORAGE				
C	HIGH HAZARD STORAGE				
D	STORAGE USE CONSIDERED AS LOW HAZARDS:		STORAGE USE OTHER THAN LOW HAZARDS:		
	ASBESTOS / BEER OR WINE LESS THAN 12% ALCOHOL (IN METAL/GLASS OR CERAMIC CONTAINERS) / CEMENT IN BAGS / CHALK & CRAYONS / DAIRY PRODUCTS IN NONWAXED-COATED PAPER CONTAINERS / DRY CELL BATTERIES / ELECTRICAL COILS / ELECTRICAL MOTORS / EMPTY CANS / FOOD PRODUCTS / FOODS IN NONCOMBUSTIBLE CONTAINERS / FRESH FRUITS AND VEGETABLES IN NON-PLASTIC TRAYS OR CONTAINERS / FROZEN FOODS / GLASS / GLASS BOTTLES, EMPTY OR FILLED WITH NONCOMBUSTIBLE LIQUIDS / GYPSUM BOARD / INERT PIGMENTS / IVORY / MEATS / METAL CABINETS / METAL DESKS WITH PLASTIC TOPS AND TRIM / METAL PARTS / METALS / MIRRORS / OIL-FILLED AND OTHER TYPES OF DISTRIBUTION TRANSFORMERS / PARKING GARAGES, OPEN OR ENCLOSED / PORCELAIN AND POTTERY / SHEDS / STOVES / TALC AND SOAPS TONES / TANKS / TOWERS / WASHERS AND DRYERS		AEROSOLS, LEVEL 2 AND LEVEL 3 / AIRCRAFT HANGARS / BAGS, CLOTH, BURLAP, AND PAPER / BAMBOO AND RATTAN / BASKETS / BELTING, CANVAS AND LEATHER / BOOKS AND PAPER IN ROLLS OR PACKS / BOOTS AND SHOES / BUTTONS, INCLUDING CLOTH COVERED, PEARL, OR BONE / CARDBOARD AND CARDBOARD BOXES / CLOTHING, WOOLEN WEARING APPAREL / CORDAGE / FURNITURE / FURS / GLUES, MUCILAGE, PASTES, AND SIZE / GRAINS / HORNS AND COMBS, OTHER THAN CELLULOID / LEATHER / LINOLEUM / LUMBER / PETROLEUM WAREHOUSES FOR STORAGE OF LUBRICATING OILS WITH A FLASH POINT OF 200°F (93°C) OR HIGHER / PHOTO ENGRAVINGS / RESILIENT FLOORING / SILKS / SOAPS / SUGAR / TIRES, BULK STORAGE / TOBACCO, CIGARS, CIGARETTES, AND SNUFF / UPHOLSTERY AND MATTRESSES / WAX CANDLES		
	FIRE SAFETY PROVISIONS		MINIMUM REQUIREMENTS		
			LOW HAZARD	ORDINARY HAZARD	HIGH HAZARD
	CONCEALED SPACES (CEILINGS & FLOORS)		REQUIRED	REQUIRED	REQUIRED
	CONCEALED SPACES (FLOORS & ROOFS)		REQUIRED	REQUIRED	REQUIRED
VII	FIRE PROTECTION				
A	DETECTION ALARM AND COMMUNICATION SYSTEMS				
1	FIRE ALARM SYSTEM	EXCEEDING 9300M ²	REQUIRED	REQUIRED	REQUIRED
		PROTECTED WITH AUTOMATIC SPRINKLER SYSTEM	NOT REQUIRED	NOT REQUIRED	REQUIRED
B	EXTINGUISHING REQUIREMENTS				
1	PORTABLE FIRE EXTINGUISHERS	TYPE AND RATING IN ACCORDANCE WITH NFPA 10	REQUIRED	REQUIRED	REQUIRED
2	FIRE BLANKETS	IN KITCHEN OR PANTRY	REQUIRED	REQUIRED	REQUIRED
3	STANDPIPE SYSTEM	COMPLYING WITH NFPA 14	REQUIRED	REQUIRED	REQUIRED
4	FIRE HOSE REELS	25MM DIAMETER HOSE	REQUIRED	REQUIRED	REQUIRED
5	AUTOMATIC SPRINKLER SYSTEM	3 OR MORE STOREYS IN HEIGHT	NOT REQUIRED	REQUIRED	REQUIRED
		FIRE AREA EXCEEDING 1115M ²	NOT REQUIRED	REQUIRED	REQUIRED
		TOTAL AREA OF ALL FLOORS EXCEEDS 2230M ²	NOT REQUIRED	REQUIRED	REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS	STORAGE OCCUPANCIES - STORE AND WAREHOUSES			
	WAREHOUSE / BARNs / BULK OIL STORAGE / COLD STORAGE / GRAIN ELEVATORS / FREIGHT TERMINALS / HANGARS (FOR STORAGE ONLY) / TRUCKS & MARINE TERMINALS / PARKING STRUCTURES	AN OCCUPANCY USED PRIMARILY FOR THE STORAGE OR SHELTERING OF GOODS, MERCHANDISE, PRODUCTS OR VEHICLES CHARACTERIZED BY THE PRESENCE OF RELATIVELY SMALL NUMBERS OF PERSON IN PROPORTION TO THE AREA. INCIDENTAL STORAGE IN OTHER OCCUPANCY IS EXCLUDED.			
II	OCCUPANCY CLASSIFICATION	<i>BUILDING AREA AND HEIGHT REQUIREMENTS</i>			
A	LOW HAZARD STORAGE	IN ACCORDANCE WITH NFPA 5000 CHAPTER 7 TABLE 7.4.1 FOR THE ALLOWABLE BUILDING HEIGHT AND AREA REQUIREMENTS			
B	ORDINARY HAZARD STORAGE				
C	HIGH HAZARD STORAGE				
D	STORAGE USE CONSIDERED AS LOW HAZARDS:	STORAGE USE OTHER THAN LOW HAZARDS:			
	ASBESTOS / BEER OR WINE LESS THAN 12% ALCOHOL (IN METAL/GLASS OR CERAMIC CONTAINERS) / CEMENT IN BAGS / CHALK & CRAYONS / DAIRY PRODUCTS IN NONWAXED-COATED PAPER CONTAINERS / DRY CELL BATTERIES / ELECTRICAL COILS / ELECTRICAL MOTORS / EMPTY CANS / FOOD PRODUCTS / FOODS IN NONCOMBUSTIBLE CONTAINERS / FRESH FRUITS AND VEGETABLES IN NON-PLASTIC TRAYS OR CONTAINERS / FROZEN FOODS / GLASS / GLASS BOTTLES, EMPTY OR FILLED WITH NONCOMBUSTIBLE LIQUIDS / GYPSUM BOARD / INERT PIGMENTS / IVORY / MEATS / METAL CABINETS / METAL DESKS WITH PLASTIC TOPS AND TRIM / METAL PARTS / METALS / MIRRORS / OIL-FILLED AND OTHER TYPES OF DISTRIBUTION TRANSFORMERS / PARKING GARAGES, OPEN OR ENCLOSED / PORCELAIN AND POTTERY / SHEDS / STOVES / TALC AND SOAPS TONES / TANKS / TOWERS / WASHERS AND DRYERS	AEROSOLS, LEVEL 2 AND LEVEL 3 / AIRCRAFT HANGARS / BAGS, CLOTH, BURLAP, AND PAPER / BAMBOO AND RATTAN / BASKETS / BELTING, CANVAS AND LEATHER / BOOKS AND PAPER IN ROLLS OR PACKS / BOOTS AND SHOES / BUTTONS, INCLUDING CLOTH COVERED, PEARL, OR BONE / CARDBOARD AND CARDBOARD BOXES / CLOTHING, WOOLEN WEARING APPAREL / CORDAGE / FURNITURE / FURS / GLUES, MUCILAGE, PASTES, AND SIZE / GRAINS / HORNS AND COMBS, OTHER THAN CELLULOID / LEATHER / LINOLEUM / LUMBER / PETROLEUM WAREHOUSES FOR STORAGE OF LUBRICATING OILS WITH A FLASH POINT OF 200°F (93°C) OR HIGHER / PHOTO ENGRAVINGS / RESILIENT FLOORING / SILKS / SOAPS / SUGAR / TIRES, BULK STORAGE / TOBACCO, CIGARS, CIGARETTES, AND SNUFF / UPHOLSTERY AND MATTRESSES / WAX CANDLES			
	<i>FIRE SAFETY PROVISIONS</i>	<i>MINIMUM REQUIREMENTS</i>	LOW HAZARD	ORDINARY HAZARD	HIGH HAZARD
5	AUTOMATIC SPRINKLER SYSTEM	BULK STORAGE OF TIRES EXCEEDS 566M ²	REQUIRED	REQUIRED	REQUIRED
		MINI-STORAGE BUILDINGS 232M ²	REQUIRED	REQUIRED	REQUIRED
6	OTHER EXTINGUISHING EQUIPMENT	COMPLIANCE FROM INDIVIDUAL CODES & STANDARDS	PERMITTED	PERMITTED	PERMITTED
VIII	BUILDING SERVICES PROTECTION (ASS* AUTOMATIC SUPPRESSION SYSTEM)				
A	BUILDING UTILITIES	COMPLYING WITH CHAPTER 9 NFPA 101			
1	GAS EQUIPMENT & RELATED PIPING	PROTECTION AS PER NFPA 54 & NFPA 58	REQUIRED	REQUIRED	REQUIRED
2	ELECTRICAL SYSTEMS/ ELECTRICAL ROOMS	ASS or 2-HRS ENCLOSURE	REQUIRED	REQUIRED	REQUIRED
	SUBSTATIONS & SWITCHGEARS	ATTACHED TO OCCUPIED BUILDINGS &	3-HRS FRR* or ASS	3-HRS FRR* or ASS	3-HRS FRR* or ASS
		STANDALONE: TRANSFORMER VAULT PROTECTION	3-HRS FRR* or 1-HR FRR* with ASS	3-HRS FRR* or 1-HR FRR* with ASS	3-HRS FRR* or 1-HR FRR* with ASS
3	COMMERCIAL COOKING EQUIPMENT	COMPLYING WITH NFPA 96	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
	KITCHEN/PANTRY ENCLOSURE	COMPLYING WITH NFPA 96	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
4	ELEVATORS, ESCALATORS & CONVEYORS	COMPLYING WITH ASME A17.1/CSA B44	REQUIRED	REQUIRED	REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		STORAGE OCCUPANCIES - STORE AND WAREHOUSES		
	WAREHOUSE / BARNs / BULK OIL STORAGE / COLD STORAGE / GRAIN ELEVATORS / FREIGHT TERMINALS / HANGARS (FOR STORAGE ONLY) / TRUCKS & MARINE TERMINALS / PARKING STRUCTURES		AN OCCUPANCY USED PRIMARILY FOR THE STORAGE OR SHELTERING OF GOODS, MERCHANDISE, PRODUCTS OR VEHICLES CHARACTERIZED BY THE PRESENCE OF RELATIVELY SMALL NUMBERS OF PERSON IN PROPORTION TO THE AREA. INCIDENTAL STORAGE IN OTHER OCCUPANCY IS EXCLUDED.		
II	OCCUPANCY CLASSIFICATION		BUILDING AREA AND HEIGHT REQUIREMENTS		
A	LOW HAZARD STORAGE		IN ACCORDANCE WITH NFPA 5000 CHAPTER 7 TABLE 7.4.1 FOR THE ALLOWABLE BUILDING HEIGHT AND AREA REQUIREMENTS		
B	ORDINARY HAZARD STORAGE				
C	HIGH HAZARD STORAGE				
D	STORAGE USE CONSIDERED AS LOW HAZARDS:		STORAGE USE OTHER THAN LOW HAZARDS:		
	ASBESTOS / BEER OR WINE LESS THAN 12% ALCOHOL (IN METAL/GLASS OR CERAMIC CONTAINERS) / CEMENT IN BAGS / CHALK & CRAYONS / DAIRY PRODUCTS IN NONWAXED-COATED PAPER CONTAINERS / DRY CELL BATTERIES / ELECTRICAL COILS / ELECTRICAL MOTORS / EMPTY CANS / FOOD PRODUCTS / FOODS IN NONCOMBUSTIBLE CONTAINERS / FRESH FRUITS AND VEGETABLES IN NON-PLASTIC TRAYS OR CONTAINERS / FROZEN FOODS / GLASS / GLASS BOTTLES, EMPTY OR FILLED WITH NONCOMBUSTIBLE LIQUIDS / GYPSUM BOARD / INERT PIGMENTS / IVORY / MEATS / METAL CABINETS / METAL DESKS WITH PLASTIC TOPS AND TRIM / METAL PARTS / METALS / MIRRORS / OIL-FILLED AND OTHER TYPES OF DISTRIBUTION TRANSFORMERS / PARKING GARAGES, OPEN OR ENCLOSED / PORCELAIN AND POTTERY / SHEDS / STOVES / TALC AND SOAPS TONES / TANKS / TOWERS / WASHERS AND DRYERS		AEROSOLS, LEVEL 2 AND LEVEL 3 / AIRCRAFT HANGARS / BAGS, CLOTH, BURLAP, AND PAPER / BAMBOO AND RATTAN / BASKETS / BELTING, CANVAS AND LEATHER / BOOKS AND PAPER IN ROLLS OR PACKS / BOOTS AND SHOES / BUTTONS, INCLUDING CLOTH COVERED, PEARL, OR BONE / CARDBOARD AND CARDBOARD BOXES / CLOTHING, WOOLEN WEARING APPAREL / CORDAGE / FURNITURE / FURS / GLUES, MUCILAGE, PASTES, AND SIZE / GRAINS / HORNS AND COMBS, OTHER THAN CELLULOID / LEATHER / LINOLEUM / LUMBER / PETROLEUM WAREHOUSES FOR STORAGE OF LUBRICATING OILS WITH A FLASH POINT OF 200°F (93°C) OR HIGHER / PHOTO ENGRAVINGS / RESILIENT FLOORING / SILKS / SOAPS / SUGAR / TIRES, BULK STORAGE / TOBACCO, CIGARS, CIGARETTES, AND SNUFF / UPHOLSTERY AND MATTRESSES / WAX CANDLES		
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW HAZARD	ORDINARY HAZARD	HIGH HAZARD
	FIRE FIGHTERS' EMERGENCY OPERATION	COMPLYING WITH ASME A17.1/CSA B44	REQUIRED	REQUIRED	REQUIRED
B	INCINERATORS, RUBBISH & LAUNDRY CHUTES	COMPLYING WITH NFPA 82	REQUIRED	REQUIRED	REQUIRED
	ENCLOSURES	≤3 STOREYS/ ≥3 STOREYS	1-HR FRR* / 2-HRS FRR*	1-HR FRR* / 2-HRS FRR*	1-HR FRR* / 2-HRS FRR*
	OPENING PROTECTIVE	≤3 STOREYS / ≥3 STOREYS	1-HR FPR** / 1.5-HR FPR**	1-HR FPR** / 1.5-HR FPR**	1-HR FPR** / 1.5-HR FPR**
C	EMERGENCY POWER SUPPLY SYSTEM	COMPLYING WITH NFPA 110	NO REQUIREMENT	REQUIRED	REQUIRED
1	GENERATORS	ENCLOSURE	1-HOUR FRR*	1-HOUR FRR*	1-HOUR FRR*
D	FIRE PUMP ROOM	COMPLYING WITH NFPA 20	REQUIRED	REQUIRED	REQUIRED
1	ENCLOSURES	MORE THAN 15.3 M FROM ANY BUILDING	1-HOUR FRR*	1-HOUR FRR*	1-HOUR FRR*
		WITHIN 15.3M OR ATTACHED TO BUILDINGS	2-HRS FRR*	2-HRS FRR*	2-HRS FRR*
2	DIRECT SAFE ACCESS	EXTERNAL ACCESS AT THE LEVEL OF DISCHARGE	REQUIRED	REQUIRED	REQUIRED
		WITHIN 3M FROM ANY EXIT THAT COMPLIES WITH DIRECT DISCHARGE REQUIREMENTS	PERMITTED	PERMITTED	PERMITTED
3	ACCESS COMPONENT (UNDERGROUND LOCATION)	STANDARD STAIR (NON-COMBUSTIBLE MATERIAL)	REQUIRED	REQUIRED	REQUIRED
		CAT STEEL LADDER	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS	STORAGE OCCUPANCIES - STORE AND WAREHOUSES			
	WAREHOUSE / BARNs / BULK OIL STORAGE / COLD STORAGE / GRAIN ELEVATORS / FREIGHT TERMINALS / HANGARS (FOR STORAGE ONLY) / TRUCKS & MARINE TERMINALS / PARKING STRUCTURES	AN OCCUPANCY USED PRIMARILY FOR THE STORAGE OR SHELTERING OF GOODS, MERCHANDISE, PRODUCTS OR VEHICLES CHARACTERIZED BY THE PRESENCE OF RELATIVELY SMALL NUMBERS OF PERSON IN PROPORTION TO THE AREA. INCIDENTAL STORAGE IN OTHER OCCUPANCY IS EXCLUDED.			
II	OCCUPANCY CLASSIFICATION	BUILDING AREA AND HEIGHT REQUIREMENTS			
A	LOW HAZARD STORAGE	IN ACCORDANCE WITH NFPA 5000 CHAPTER 7 TABLE 7.4.1 FOR THE ALLOWABLE BUILDING HEIGHT AND AREA REQUIREMENTS			
B	ORDINARY HAZARD STORAGE				
C	HIGH HAZARD STORAGE				
D	STORAGE USE CONSIDERED AS LOW HAZARDS:	STORAGE USE OTHER THAN LOW HAZARDS:			
	ASBESTOS / BEER OR WINE LESS THAN 12% ALCOHOL (IN METAL/GLASS OR CERAMIC CONTAINERS) / CEMENT IN BAGS / CHALK & CRAYONS / DAIRY PRODUCTS IN NONWAXED-COATED PAPER CONTAINERS / DRY CELL BATTERIES / ELECTRICAL COILS / ELECTRICAL MOTORS / EMPTY CANS / FOOD PRODUCTS / FOODS IN NONCOMBUSTIBLE CONTAINERS / FRESH FRUITS AND VEGETABLES IN NON-PLASTIC TRAYS OR CONTAINERS / FROZEN FOODS / GLASS / GLASS BOTTLES, EMPTY OR FILLED WITH NONCOMBUSTIBLE LIQUIDS / GYPSUM BOARD / INERT PIGMENTS / IVORY / MEATS / METAL CABINETS / METAL DESKS WITH PLASTIC TOPS AND TRIM / METAL PARTS / METALS / MIRRORS / OIL-FILLED AND OTHER TYPES OF DISTRIBUTION TRANSFORMERS / PARKING GARAGES, OPEN OR ENCLOSED / PORCELAIN AND POTTERY / SHEDS / STOVES / TALC AND SOAPS TONES / TANKS / TOWERS / WASHERS AND DRYERS	AEROSOLS, LEVEL 2 AND LEVEL 3 / AIRCRAFT HANGARS / BAGS, CLOTH, BURLAP, AND PAPER / BAMBOO AND RATTAN / BASKETS / BELTING, CANVAS AND LEATHER / BOOKS AND PAPER IN ROLLS OR PACKS / BOOTS AND SHOES / BUTTONS, INCLUDING CLOTH COVERED, PEARL, OR BONE / CARDBOARD AND CARDBOARD BOXES / CLOTHING, WOOLEN WEARING APPAREL / CORDAGE / FURNITURE / FURS / GLUES, MUCILAGE, PASTES, AND SIZE / GRAINS / HORNS AND COMBS, OTHER THAN CELLULOID / LEATHER / LINOLEUM / LUMBER / PETROLEUM WAREHOUSES FOR STORAGE OF LUBRICATING OILS WITH A FLASH POINT OF 200°F (93°C) OR HIGHER / PHOTO ENGRAVINGS / RESILIENT FLOORING / SILKS / SOAPS / SUGAR / TIRES, BULK STORAGE / TOBACCO, CIGARS, CIGARETTES, AND SNUFF / UPHOLSTERY AND MATTRESSES / WAX CANDLES			
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	LOW HAZARD	ORDINARY HAZARD	HIGH HAZARD
E	FIRE WATER TANKS	COMPLYING WITH NFPA 22	REQUIRED	REQUIRED	REQUIRED
	MATERIALS	NON-COMBUSTIBLE MATERIAL	REQUIRED	REQUIRED	REQUIRED
		GRP TANKS (WITHIN 1-HR FIRE RATED ENCLOSURE)	PERMITTED	PERMITTED	PERMITTED
	DESIGN/COMPARTMENTATION	TWO (2) COMPARTMENTS	REQUIRED	REQUIRED	REQUIRED
F	SMOKE CONTROL / EMERGENCY VENTILATION	COMPLYING WITH NFPA 92 & NFPA 204	NOT REQUIRED	REQUIRED	REQUIRED
1	VENTILATION / SMOKE CONTROL SYSTEM BY ANY OF THE FOLLOWING: 1.1 NATURAL VENTILATION; 1.2 MECHANICAL VENTILATION & SMOKE CONTROL SYSTEM AND/OR 1.3 MECHANICAL VENTILATION BY POSITIVE VENTILATION (PRESSURIZATION) SYSTEM	FIRE AREA EXCEEDING 1115M ²	NOT REQUIRED	REQUIRED	REQUIRED
		TOTAL AREA OF ALL FLOORS EXCEEDS 2230M ²	NOT REQUIRED	REQUIRED	REQUIRED
		BULK STORAGE OF TIRES EXCEEDS 566M ²	REQUIRED	REQUIRED	REQUIRED
		MINI-STORAGE BUILDINGS 232M ²	REQUIRED	REQUIRED	REQUIRED
		EXIT STAIRCASES CONNECTS MORE THAN FIVE (5) STOREYS (LEVELS) INCLUDING THE BASEMENTS AND/OR WHEN SMOKE STOP &/OR FIRE FIGHTING LOBBIES ARE REQUIRED	REQUIRED	REQUIRED	REQUIRED
G	AIR-CONDITIONING & VENTILATION SYSTEM	COMPLYING WITH NFPA 90A & NFPA 90B AND OTHER RELEVANT NFPA CODES & STANDARDS	REQUIRED	REQUIRED	REQUIRED



STORAGE OCCUPANCY – STORE/WAREHOUSE

**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

Note:

*This Fire Safety Guide is prepared to determine the minimum required Fire Safety provisions for each Occupancy Type as referenced from General Directorate of Civil Defence (GDCD) adopted National Fire Protection Association (NFPA) Codes & Standards.

For further guidance, the user is referred to the NFPA Codes and Standards and the General Fire Safety Requirements - Guidelines Annexes.

**Occupancy Classification: Unless both the height and area requirements or criteria are met, the next higher classification or category SHALL apply.

®FPR*-FIRE RESISTANCE RATING ®FPR**-FIRE PROTECTION RATING ®ASS-AUTOMATIC SPRINKLER SYSTEM / AUTOMATIC SUPPRESSION SYSTEM ®SS-SMOKE-STOP LOBBY ®FF-FIRE FIGHTING LOBBY

®NP-NOT PERMITTED ®P-PERMITTED ®N/A-NOT APPLICABLE ®R-REQUIRED ®NR-NOT REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

INDUSTRIAL OCCUPANCIES

I		APPLICATIONS	INDUSTRIAL OCCUPANCIES - FACTORY AND WORKSHOPS					
		DRY CLEANING PLANTS / FACTORIES OF ALL KINDS / FOOD PROCESSING PLANTS / GAS PLANTS / HANGARS (FOR SERVICING/MAINTENANCE) / LAUNDRIES/ POWER PLANTS / PUMPING STATIONS / REFINERIES / SAWMILLS / TELEPHONE EXCHANGES	AN OCCUPANCY IN WHICH PRODUCTS ARE MANUFACTURED OR IN WHICH PROCESSING, ASSEMBLING, MIXING, PACKAGING, FINISHING, DECORATING, OR REPAIR OPERATIONS ARE CONDUCTED					
II		OCCUPANCY CLASSIFICATION*	BUILDING AREA AND HEIGHT REQUIREMENTS					
A	SPECIAL-PURPOSE INDUSTRIAL OCCUPANCY	LOW AND ORDINARY HAZARD CLASSIFICATION	IN ACCORDANCE WITH NFPA 5000 CHAPTER 7 TABLE 7.4.1 FOR THE ALLOWABLE BUILDING HEIGHT AND AREA REQUIREMENTS					
B	GENERAL INDUSTRIAL OCCUPANCY	LOW AND ORDINARY HAZARD CLASSIFICATION						
C	HIGH HAZARD INDUSTRIAL OCCUPANCY	-						
D		INDUSTRIAL USE CONSIDERED AS LOW HAZARDS:						
		BEVERAGES (NON ALCOHOLIC) / BRICKS & MASONRY / CERAMIC / FOUNDRIES / GLASS PRODUCTS / GYPSUM / ICE / METAL PRODUCTS (FABRICATION & ASSEMBLY) / TELECOMMUNICATION SIGNAL PROCESSING / TELEPHONE EXCHANGES						
		INDUSTRIAL USE OTHER THAN LOW HAZARDS:						
		AIRCRAFT / APPLIANCES / ATHLETIC EQUIPMENT / AUTOMOBILES & OTHER MOTOR VEHICLES / BAKERIES / BEVERAGES (ALCOHOLIC) / BICYCLES / BOAT BUILDING / BROOMS & BRUSHES / BUSINESS MACHINES / CAMERAS & PHOTO EQUIPMENT / CANVAS OR SIMILAR FABRIC / CARPETS & RUGS (INCLUDES CLEANING) / CLOTHING / CONSTRUCTION / DISINFECTANTS / DRY CLEANING & DYEING / ELECTRIC LIGHT PLANTS & POWER HOUSES / ELECTRONICS / ENGINES (INCLUDING REBUILDING) / FOOD PROCESSING / FURNITURE / HEMP PRODUCTS / JUTE PRODUCTS / LAUNDRIES / LEATHER PRODUCTS / MACHINERY / METALS / MILLWORKS (SASH & DOOR) / MOTION PICTURES & TELEVISION FILMING / MOTOR VEHICLES REPAIR GARAGES / MUSICAL INSTRUMENTS / OPTICAL GOODS / PAPER MILLS OR PRODUCTS / PHOTOGRAPHIC FILM / PLASTIC PRODUCTS / PRINTING OR PUBLISHING / RECREATIONAL VEHICLES / REFUSE INCINERATIONS / SHOES / SOAPS & DETERGENTS / TEXTILES / TOBACCO / TRAILERS / UPHOLSTERING / WOOD (DISTILLATION) / WOODWORKING (CABINET MAKING)						
		FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	SPECIAL-PURPOSE INDUSTRIAL		GENERAL INDUSTRIAL		HIGH HAZARD INDUSTRIAL
				LOW HAZARD	ORDINARY	LOW HAZARD	ORDINARY	
III		BUILDING AND SITE ACCESS FOR FIRE FIGHTING & RESCUE						
A	SITE ACCESS	4.0M MIN. CLEAR WIDTH & 4.5M MIN. CLEAR HEIGHT		REQUIRED		REQUIRED		REQUIRED
B	ACCESS ROAD	4.0M MIN. WIDTH AND 24 TON LOAD CAPACITY		REQUIRED		REQUIRED		REQUIRED
		WITHIN A TRAVEL DISTANCE OF 45M FROM EVERY POINT ON PROJECTED PLAN AREA OF ANY BUILDING.						
C	FIRE ENGINE HARDSTANDING	LENGTH OR NUMBER BASE ON THE GROSS FLOOR AREA OF THE BUILDING		REQUIRED		REQUIRED		REQUIRED
		6M X 15M (MINIMUM), WITH LONGER SIDE PARALLEL TO THE FAÇADE OF THE BUILDING						
		POSITIONED SO THAT THE NEARER EDGE SHALL NOT BE LESS THAN 2M OR NOT MORE THAN 10M FROM THE CENTRE POSITION OF THE ACCESS OPENING, MEASURED HORIZONTALLY.		REQUIRED		REQUIRED		REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I		APPLICATIONS	INDUSTRIAL OCCUPANCIES - FACTORY AND WORKSHOPS					
		DRY CLEANING PLANTS / FACTORIES OF ALL KINDS / FOOD PROCESSING PLANTS / GAS PLANTS / HANGARS (FOR SERVICING/MAINTENANCE) / LAUNDRIES/ POWER PLANTS / PUMPING STATIONS / REFINERIES / SAWMILLS / TELEPHONE EXCHANGES	AN OCCUPANCY IN WHICH PRODUCTS ARE MANUFACTURED OR IN WHICH PROCESSING, ASSEMBLING, MIXING, PACKAGING, FINISHING, DECORATING, OR REPAIR OPERATIONS ARE CONDUCTED					
II		OCCUPANCY CLASSIFICATION*	BUILDING AREA AND HEIGHT REQUIREMENTS					
A	SPECIAL-PURPOSE INDUSTRIAL OCCUPANCY	LOW AND ORDINARY HAZARD CLASSIFICATION	IN ACCORDANCE WITH NFPA 5000 CHAPTER 7 TABLE 7.4.1 FOR THE ALLOWABLE BUILDING HEIGHT AND AREA REQUIREMENTS					
B	GENERAL INDUSTRIAL OCCUPANCY	LOW AND ORDINARY HAZARD CLASSIFICATION						
C	HIGH HAZARD INDUSTRIAL OCCUPANCY	-						
D		INDUSTRIAL USE CONSIDERED AS LOW HAZARDS:						
		BEVERAGES (NON ALCOHOLIC) / BRICKS & MASONRY / CERAMIC / FOUNDRIES / GLASS PRODUCTS / GYPSUM / ICE / METAL PRODUCTS (FABRICATION & ASSEMBLY) / TELECOMMUNICATION SIGNAL PROCESSING / TELEPHONE EXCHANGES						
		INDUSTRIAL USE OTHER THAN LOW HAZARDS:						
		AIRCRAFT / APPLIANCES / ATHLETIC EQUIPMENT / AUTOMOBILES & OTHER MOTOR VEHICLES / BAKERIES / BEVERAGES (ALCOHOLIC) / BICYCLES / BOAT BUILDING / BROOMS & BRUSHES / BUSINESS MACHINES / CAMERAS & PHOTO EQUIPMENT / CANVAS OR SIMILAR FABRIC / CARPETS & RUGS (INCLUDES CLEANING) / CLOTHING / CONSTRUCTION / DISINFECTANTS / DRY CLEANING & DYEING / ELECTRIC LIGHT PLANTS & POWER HOUSES / ELECTRONICS / ENGINES (INCLUDING REBUILDING) / FOOD PROCESSING / FURNITURE / HEMP PRODUCTS / JUTE PRODUCTS / LAUNDRIES / LEATHER PRODUCTS / MACHINERY / METALS / MILLWORKS (SASH & DOOR) / MOTION PICTURES & TELEVISION FILMING / MOTOR VEHICLES REPAIR GARAGES / MUSICAL INSTRUMENTS / OPTICAL GOODS / PAPER MILLS OR PRODUCTS / PHOTOGRAPHIC FILM / PLASTIC PRODUCTS / PRINTING OR PUBLISHING / RECREATIONAL VEHICLES / REFUSE INCINERATIONS / SHOES / SOAPS & DETERGENTS / TEXTILES / TOBACCO / TRAILERS / UPHOLSTERING / WOOD (DISTILLATION) / WOODWORKING (CABINET MAKING)						
		FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	SPECIAL-PURPOSE INDUSTRIAL		GENERAL INDUSTRIAL		HIGH HAZARD INDUSTRIAL
				LOW HAZARD	ORDINARY	LOW HAZARD	ORDINARY	
D	FIRE COMMAND CENTER	OTHER THAN HIGH-RISE WITH EMERGENCY VOICE COMMUNICATION AND/OR SMOKE CONTROL SYSTEM 9M ² MINIMUM WORKING SPACE/AREA (LEAST DIMENSION 2.5M)	REQUIRED		REQUIRED		REQUIRED	
E	FIRE LIFT	COMPLYING WITH ALL FIRE LIFTS REQUIREMENTS	TO COMPLY WITH REQUIREMENTS WHEN PROVIDED AS REQUIRED		TO COMPLY WITH REQUIREMENTS WHEN PROVIDED/REQUIRED		TO COMPLY WITH REQUIREMENTS WHEN PROVIDED/REQUIRED	
IV	MEANS OF EGRESS (FRR* FIRE RESISTANCE RATING / FPR** FIRE PROTECTION RATING)							
A	GENERAL REQUIREMENTS							
1	SEPARATION OF MEANS OF EGRESS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED		REQUIRED		REQUIRED	
	EXIT ACCESS CORRIDORS	SERVING AN AREA HAVING AN OCCUPANT LOAD EXCEEDING 30	1-HR FRR*		1-HR FRR*		1-HR FRR*	
	EXITS	CONNECTS 3 OR FEWER STORIES	1-HR FRR*		1-HR FRR*		1-HR FRR*	
		CONNECTS 4 OR MORE STORIES	2-HRS FRR*		2-HRS FRR*		2-HRS FRR*	
	OPENING PROTECTIVE	FIRE DOOR ASSEMBLIES EQUIPPED WITH DOOR CLOSERS	REQUIRED		REQUIRED		REQUIRED	



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		INDUSTRIAL OCCUPANCIES - FACTORY AND WORKSHOPS				
	DRY CLEANING PLANTS / FACTORIES OF ALL KINDS / FOOD PROCESSING PLANTS / GAS PLANTS / HANGARS (FOR SERVICING/MAINTENANCE) / LAUNDRIES/ POWER PLANTS / PUMPING STATIONS / REFINERIES / SAWMILLS / TELEPHONE EXCHANGES		AN OCCUPANCY IN WHICH PRODUCTS ARE MANUFACTURED OR IN WHICH PROCESSING, ASSEMBLING, MIXING, PACKAGING, FINISHING, DECORATING, OR REPAIR OPERATIONS ARE CONDUCTED				
II	OCCUPANCY CLASSIFICATION*		BUILDING AREA AND HEIGHT REQUIREMENTS				
A	SPECIAL-PURPOSE INDUSTRIAL OCCUPANCY	LOW AND ORDINARY HAZARD CLASSIFICATION	IN ACCORDANCE WITH NFPA 5000 CHAPTER 7 TABLE 7.4.1 FOR THE ALLOWABLE BUILDING HEIGHT AND AREA REQUIREMENTS				
B	GENERAL INDUSTRIAL OCCUPANCY	LOW AND ORDINARY HAZARD CLASSIFICATION					
C	HIGH HAZARD INDUSTRIAL OCCUPANCY	-					
D	INDUSTRIAL USE CONSIDERED AS LOW HAZARDS:						
	BEVERAGES (NON ALCOHOLIC) / BRICKS & MASONRY / CERAMIC / FOUNDRIES / GLASS PRODUCTS / GYPSUM / ICE / METAL PRODUCTS (FABRICATION & ASSEMBLY) / TELECOMMUNICATION SIGNAL PROCESSING / TELEPHONE EXCHANGES						
	INDUSTRIAL USE OTHER THAN LOW HAZARDS:						
	AIRCRAFT / APPLIANCES / ATHLETIC EQUIPMENT / AUTOMOBILES & OTHER MOTOR VEHICLES / BAKERIES / BEVERAGES (ALCOHOLIC) / BICYCLES / BOAT BUILDING / BROOMS & BRUSHES / BUSINESS MACHINES / CAMERAS & PHOTO EQUIPMENT / CANVAS OR SIMILAR FABRIC / CARPETS & RUGS (INCLUDES CLEANING) / CLOTHING / CONSTRUCTION / DISINFECTANTS / DRY CLEANING & DYEING / ELECTRIC LIGHT PLANTS & POWER HOUSES / ELECTRONICS / ENGINES (INCLUDING REBUILDING) / FOOD PROCESSING / FURNITURE / HEMP PRODUCTS / JUTE PRODUCTS / LAUNDRIES / LEATHER PRODUCTS / MACHINERY / METALS / MILLWORKS (SASH & DOOR) / MOTION PICTURES & TELEVISION FILMING / MOTOR VEHICLES REPAIR GARAGES / MUSICAL INSTRUMENTS / OPTICAL GOODS / PAPER MILLS OR PRODUCTS / PHOTOGRAPHIC FILM / PLASTIC PRODUCTS / PRINTING OR PUBLISHING / RECREATIONAL VEHICLES / REFUSE INCINERATIONS / SHOES / SOAPS & DETERGENTS / TEXTILES / TOBACCO / TRAILERS / UPHOLSTERING / WOOD (DISTILLATION) / WOODWORKING (CABINET MAKING)						
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	SPECIAL-PURPOSE INDUSTRIAL		GENERAL INDUSTRIAL		HIGH HAZARD INDUSTRIAL
			LOW HAZARD	ORDINARY	LOW HAZARD	ORDINARY	
	CONSTRUCTION	LIMITED OR NON-COMBUSTIBLE MATERIALS	REQUIRED		REQUIRED		REQUIRED
	OPENINGS AND PENETRATIONS IN EXIT ENCLOSURE	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED		PERMITTED		PERMITTED
2	EXITS HEADROOM	NOT LESS THAN 2285MM	REQUIRED		REQUIRED		REQUIRED
	HEADROOM ON STAIRS	NOT LESS THAN 2285MM	REQUIRED		REQUIRED		REQUIRED
	HEADROOM IN INDUSTRIAL EQUIPMENT ACCESS	AS PROVIDED IN CHAPTER 40 NFPA 101	PERMITTED		PERMITTED		PERMITTED
3	WALKING SURFACES IN THE MEANS OF EGRESS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED		REQUIRED		REQUIRED
4	CHANGES IN LEVEL IN THE MEANS OF EGRESS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED		REQUIRED		REQUIRED
5	GUARDS	PROVIDED AT THE OPEN SIDES OF MEANS OF EGRESS 760MM ABOVE THE FLOOR OR FINISHED GROUND LEVEL	REQUIRED		REQUIRED		REQUIRED
6	IMPEDIMENT TO EGRESS		NOT PERMITTED		NOT PERMITTED		NOT PERMITTED
7	MEANS OF EGRESS RELIABILITY	CONTINUOUSLY MAINTAINED FREE OF ALL OBSTRUCTION OR IMPEDIMENTS	REQUIRED		REQUIRED		REQUIRED
	FURNISHING AND DECORATION	FURNITURES OR MOVABLE OBJECTS, MIRRORS, ETC.	NOT PERMITTED		NOT PERMITTED		NOT PERMITTED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		INDUSTRIAL OCCUPANCIES - FACTORY AND WORKSHOPS				
	DRY CLEANING PLANTS / FACTORIES OF ALL KINDS / FOOD PROCESSING PLANTS / GAS PLANTS / HANGARS (FOR SERVICING/MAINTENANCE) / LAUNDRIES/ POWER PLANTS / PUMPING STATIONS / REFINERIES / SAWMILLS / TELEPHONE EXCHANGES		AN OCCUPANCY IN WHICH PRODUCTS ARE MANUFACTURED OR IN WHICH PROCESSING, ASSEMBLING, MIXING, PACKAGING, FINISHING, DECORATING, OR REPAIR OPERATIONS ARE CONDUCTED				
II	OCCUPANCY CLASSIFICATION*		BUILDING AREA AND HEIGHT REQUIREMENTS				
A	SPECIAL-PURPOSE INDUSTRIAL OCCUPANCY	LOW AND ORDINARY HAZARD CLASSIFICATION	IN ACCORDANCE WITH NFPA 5000 CHAPTER 7 TABLE 7.4.1 FOR THE ALLOWABLE BUILDING HEIGHT AND AREA REQUIREMENTS				
B	GENERAL INDUSTRIAL OCCUPANCY	LOW AND ORDINARY HAZARD CLASSIFICATION					
C	HIGH HAZARD INDUSTRIAL OCCUPANCY	-					
D	INDUSTRIAL USE CONSIDERED AS LOW HAZARDS:						
	BEVERAGES (NON ALCOHOLIC) / BRICKS & MASONRY / CERAMIC / FOUNDRIES / GLASS PRODUCTS / GYPSUM / ICE / METAL PRODUCTS (FABRICATION & ASSEMBLY) / TELECOMMUNICATION SIGNAL PROCESSING / TELEPHONE EXCHANGES						
	INDUSTRIAL USE OTHER THAN LOW HAZARDS:						
	AIRCRAFT / APPLIANCES / ATHLETIC EQUIPMENT / AUTOMOBILES & OTHER MOTOR VEHICLES / BAKERIES / BEVERAGES (ALCOHOLIC) / BICYCLES / BOAT BUILDING / BROOMS & BRUSHES / BUSINESS MACHINES / CAMERAS & PHOTO EQUIPMENT / CANVAS OR SIMILAR FABRIC / CARPETS & RUGS (INCLUDES CLEANING) / CLOTHING / CONSTRUCTION / DISINFECTANTS / DRY CLEANING & DYEING / ELECTRIC LIGHT PLANTS & POWER HOUSES / ELECTRONICS / ENGINES (INCLUDING REBUILDING) / FOOD PROCESSING / FURNITURE / HEMP PRODUCTS / JUTE PRODUCTS / LAUNDRIES / LEATHER PRODUCTS / MACHINERY / METALS / MILLWORKS (SASH & DOOR) / MOTION PICTURES & TELEVISION FILMING / MOTOR VEHICLES REPAIR GARAGES / MUSICAL INSTRUMENTS / OPTICAL GOODS / PAPER MILLS OR PRODUCTS / PHOTOGRAPHIC FILM / PLASTIC PRODUCTS / PRINTING OR PUBLISHING / RECREATIONAL VEHICLES / REFUSE INCINERATIONS / SHOES / SOAPS & DETERGENTS / TEXTILES / TOBACCO / TRAILERS / UPHOLSTERING / WOOD (DISTILLATION) / WOODWORKING (CABINET MAKING)						
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	SPECIAL-PURPOSE INDUSTRIAL		GENERAL INDUSTRIAL		HIGH HAZARD INDUSTRIAL
			LOW HAZARD	ORDINARY	LOW HAZARD	ORDINARY	
B	MEANS OF EGRESS COMPONENTS						
1	FIRE DOORS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED		REQUIRED		REQUIRED
	SIDE-HINGE OR PIVOTED-SWINGING TYPE	ANY DOOR ASSEMBLY IN A MEANS OF EGRESS	REQUIRED		REQUIRED		REQUIRED
		MINIMUM DOOR LEAF WIDTH	810MM		810MM		810MM
	HORIZONTAL SLIDING DOORS	OCCUPANT LOAD OF FEWER THAN 10	PERMITTED		PERMITTED		PERMITTED
	VERTICAL ROLLING DOORS	OCCUPANT LOAD OF FEWER THAN 10	PERMITTED		PERMITTED		PERMITTED
	REVOLVING DOORS/POWERED DOORS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED		PERMITTED		PERMITTED
	SELF-CLOSING DEVICES	IN ALL DOORS REQUIRED TO BE NORMALLY KEPT CLOSED	REQUIRED		REQUIRED		REQUIRED
2	STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED		REQUIRED		REQUIRED
		NON-COMBUSTIBLE GRATED STAIR TREADS AND LANDINGS	PERMITTED		PERMITTED		PERMITTED
	STANDARD STAIRS	FEWER THAN 50 PERSON (CLEAR WIDTH)	915MM		915MM		915MM
		< 2000 PERSON	1120MM		1120MM		1120MM
		≥ 2000 PERSON	1420MM		1420MM		1420MM
	SPIRAL STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED		PERMITTED		PERMITTED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		INDUSTRIAL OCCUPANCIES - FACTORY AND WORKSHOPS					
	DRY CLEANING PLANTS / FACTORIES OF ALL KINDS / FOOD PROCESSING PLANTS / GAS PLANTS / HANGARS (FOR SERVICING/MAINTENANCE) / LAUNDRIES/ POWER PLANTS / PUMPING STATIONS / REFINERIES / SAWMILLS / TELEPHONE EXCHANGES		AN OCCUPANCY IN WHICH PRODUCTS ARE MANUFACTURED OR IN WHICH PROCESSING, ASSEMBLING, MIXING, PACKAGING, FINISHING, DECORATING, OR REPAIR OPERATIONS ARE CONDUCTED					
II	OCCUPANCY CLASSIFICATION*		BUILDING AREA AND HEIGHT REQUIREMENTS					
A	SPECIAL-PURPOSE INDUSTRIAL OCCUPANCY	LOW AND ORDINARY HAZARD CLASSIFICATION	IN ACCORDANCE WITH NFPA 5000 CHAPTER 7 TABLE 7.4.1 FOR THE ALLOWABLE BUILDING HEIGHT AND AREA REQUIREMENTS					
B	GENERAL INDUSTRIAL OCCUPANCY	LOW AND ORDINARY HAZARD CLASSIFICATION						
C	HIGH HAZARD INDUSTRIAL OCCUPANCY	-						
D	INDUSTRIAL USE CONSIDERED AS LOW HAZARDS:							
	BEVERAGES (NON ALCOHOLIC) / BRICKS & MASONRY / CERAMIC / FOUNDRIES / GLASS PRODUCTS / GYPSUM / ICE / METAL PRODUCTS (FABRICATION & ASSEMBLY) / TELECOMMUNICATION SIGNAL PROCESSING / TELEPHONE EXCHANGES							
	INDUSTRIAL USE OTHER THAN LOW HAZARDS:							
	AIRCRAFT / APPLIANCES / ATHLETIC EQUIPMENT / AUTOMOBILES & OTHER MOTOR VEHICLES / BAKERIES / BEVERAGES (ALCOHOLIC) / BICYCLES / BOAT BUILDING / BROOMS & BRUSHES / BUSINESS MACHINES / CAMERAS & PHOTO EQUIPMENT / CANVAS OR SIMILAR FABRIC / CARPETS & RUGS (INCLUDES CLEANING) / CLOTHING / CONSTRUCTION / DISINFECTANTS / DRY CLEANING & DYEING / ELECTRIC LIGHT PLANTS & POWER HOUSES / ELECTRONICS / ENGINES (INCLUDING REBUILDING) / FOOD PROCESSING / FURNITURE / HEMP PRODUCTS / JUTE PRODUCTS / LAUNDRIES / LEATHER PRODUCTS / MACHINERY / METALS / MILLWORKS (SASH & DOOR) / MOTION PICTURES & TELEVISION FILMING / MOTOR VEHICLES REPAIR GARAGES / MUSICAL INSTRUMENTS / OPTICAL GOODS / PAPER MILLS OR PRODUCTS / PHOTOGRAPHIC FILM / PLASTIC PRODUCTS / PRINTING OR PUBLISHING / RECREATIONAL VEHICLES / REFUSE INCINERATIONS / SHOES / SOAPS & DETERGENTS / TEXTILES / TOBACCO / TRAILERS / UPHOLSTERING / WOOD (DISTILLATION) / WOODWORKING (CABINET MAKING)							
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	SPECIAL-PURPOSE INDUSTRIAL		GENERAL INDUSTRIAL		HIGH HAZARD INDUSTRIAL	
			LOW HAZARD	ORDINARY	LOW HAZARD	ORDINARY		
	CURVE STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101	NOT PERMITTED		NOT PERMITTED		NOT PERMITTED	
	WINDERS	COMPLYING WITH CHAPTER 7 NFPA 101	NOT PERMITTED		NOT PERMITTED		NOT PERMITTED	
	GUARDS AND HANDRAILS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED		REQUIRED		REQUIRED	
	OUTSIDE STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED		PERMITTED		PERMITTED	
	ENCLOSURE AND PROTECTION OF STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED		REQUIRED		REQUIRED	
	ENCLOSURES	ALL INSIDE STAIR SERVING AS AN EXIT COMPONENT	REQUIRED		REQUIRED		REQUIRED	
		DOORS FPR**	≤3 STORY / ≥3 STORY	1-HR FPR**/1.5-HR FPR**		1-HR FPR**/1.5-HR FPR**		1-HR FPR**/1.5-HR FPR**
		ENCLOSURES FRR*	≤3 STORY / ≥3 STORY	1-HR FRR*/2-HRS FRR*		1-HR FRR*/2-HRS FRR*		1-HR FRR*/2-HRS FRR*
	ENCLOSURE EXEMPTION	PENETRATING ONE FLOOR LEVEL OR MEZZANINE ONLY	PERMITTED		PERMITTED		PERMITTED	
	EXPOSURES	WALLS AND OPENINGS WITHIN 3050MM HORIZONTALLY OF AN EXTERIOR STAIRWAY ENCLOSURE	1-HR FRR*		1-HR FRR*		1-HR FRR*	
	USEABLE SPACE	WITHIN EXIT ENCLOSURE	NOT PERMITTED		NOT PERMITTED		NOT PERMITTED	
		UNDER STAIRS IN ACCORDANCE WITH NFPA 101	PERMITTED		PERMITTED		PERMITTED	



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		INDUSTRIAL OCCUPANCIES - FACTORY AND WORKSHOPS				
	DRY CLEANING PLANTS / FACTORIES OF ALL KINDS / FOOD PROCESSING PLANTS / GAS PLANTS / HANGARS (FOR SERVICING/MAINTENANCE) / LAUNDRIES/ POWER PLANTS / PUMPING STATIONS / REFINERIES / SAWMILLS / TELEPHONE EXCHANGES		AN OCCUPANCY IN WHICH PRODUCTS ARE MANUFACTURED OR IN WHICH PROCESSING, ASSEMBLING, MIXING, PACKAGING, FINISHING, DECORATING, OR REPAIR OPERATIONS ARE CONDUCTED				
II	OCCUPANCY CLASSIFICATION*		BUILDING AREA AND HEIGHT REQUIREMENTS				
A	SPECIAL-PURPOSE INDUSTRIAL OCCUPANCY	LOW AND ORDINARY HAZARD CLASSIFICATION	IN ACCORDANCE WITH NFPA 5000 CHAPTER 7 TABLE 7.4.1 FOR THE ALLOWABLE BUILDING HEIGHT AND AREA REQUIREMENTS				
B	GENERAL INDUSTRIAL OCCUPANCY	LOW AND ORDINARY HAZARD CLASSIFICATION					
C	HIGH HAZARD INDUSTRIAL OCCUPANCY	-					
D	INDUSTRIAL USE CONSIDERED AS LOW HAZARDS:						
	BEVERAGES (NON ALCOHOLIC) / BRICKS & MASONRY / CERAMIC / FOUNDRIES / GLASS PRODUCTS / GYPSUM / ICE / METAL PRODUCTS (FABRICATION & ASSEMBLY) / TELECOMMUNICATION SIGNAL PROCESSING / TELEPHONE EXCHANGES						
	INDUSTRIAL USE OTHER THAN LOW HAZARDS:						
	AIRCRAFT / APPLIANCES / ATHLETIC EQUIPMENT / AUTOMOBILES & OTHER MOTOR VEHICLES / BAKERIES / BEVERAGES (ALCOHOLIC) / BICYCLES / BOAT BUILDING / BROOMS & BRUSHES / BUSINESS MACHINES / CAMERAS & PHOTO EQUIPMENT / CANVAS OR SIMILAR FABRIC / CARPETS & RUGS (INCLUDES CLEANING) / CLOTHING / CONSTRUCTION / DISINFECTANTS / DRY CLEANING & DYEING / ELECTRIC LIGHT PLANTS & POWER HOUSES / ELECTRONICS / ENGINES (INCLUDING REBUILDING) / FOOD PROCESSING / FURNITURE / HEMP PRODUCTS / JUTE PRODUCTS / LAUNDRIES / LEATHER PRODUCTS / MACHINERY / METALS / MILLWORKS (SASH & DOOR) / MOTION PICTURES & TELEVISION FILMING / MOTOR VEHICLES REPAIR GARAGES / MUSICAL INSTRUMENTS / OPTICAL GOODS / PAPER MILLS OR PRODUCTS / PHOTOGRAPHIC FILM / PLASTIC PRODUCTS / PRINTING OR PUBLISHING / RECREATIONAL VEHICLES / REFUSE INCINERATIONS / SHOES / SOAPS & DETERGENTS / TEXTILES / TOBACCO / TRAILERS / UPHOLSTERING / WOOD (DISTILLATION) / WOODWORKING (CABINET MAKING)						
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	SPECIAL-PURPOSE INDUSTRIAL		GENERAL INDUSTRIAL		HIGH HAZARD INDUSTRIAL
			LOW HAZARD	ORDINARY	LOW HAZARD	ORDINARY	
	STAIRWAY IDENTIFICATION	SERVING 3 OR MORE STOREYS	REQUIRED		REQUIRED		REQUIRED
	EXIT STAIR PATH MARKINGS	ALL STAIR COMPONENTS	REQUIRED		REQUIRED		REQUIRED
	PERIMETER DEMARCATION MARKING	COMPLYING WITH NFPA 101	REQUIRED		REQUIRED		REQUIRED
	LOCK, LATCHES & ALARM DEVICES	COMPLYING WITH NFPA 101	PERMITTED		PERMITTED		PERMITTED
	RE-ENTRY PROVISIONS	LOCKED STAIRS EXCEEDING 4 STOREYS	REQUIRED		REQUIRED		REQUIRED
3	RAMP	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED		PERMITTED		PERMITTED
4	INDUSTRIAL EQUIPMENT ACCESS RAMPS / PLATFORMS / WALKWAYS / STAIRS AND DOORS	COMPLYING WITH THE DIMENSIONAL CRITERIA IN NFPA 101 TABLE 40.2.5.2.1 / 40.2.5.2.2	PERMITTED		PERMITTED		PERMITTED
5	ROOF ACCESS	≥4 STOREYS OR ROOFS 12M ABOVE GRADE PLANE	REQUIRED		REQUIRED		REQUIRED
		ONE AT EACH 9300M ² ROOF AREA	REQUIRED		REQUIRED		REQUIRED
		FLAT ROOFS OR ROOF PITCH < 3 IN 12	REQUIRED		REQUIRED		REQUIRED
		STAIRS AS ACCESS WITH OPERABLE DOORS	REQUIRED		REQUIRED		REQUIRED
6	SMOKE PROOF ENCLOSURES	FRR* (FIRE RESISTANCE RATING)					
	STAIR ENCLOSURES	INTERIOR STAIR SERVING AS AN EXIT COMPONENT	REQUIRED		REQUIRED		REQUIRED
		OPEN STAIR PENETRATING ONE (1) FLOOR LEVEL ONLY	PERMITTED		PERMITTED		NOT PERMITTED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		INDUSTRIAL OCCUPANCIES - FACTORY AND WORKSHOPS				
	DRY CLEANING PLANTS / FACTORIES OF ALL KINDS / FOOD PROCESSING PLANTS / GAS PLANTS / HANGARS (FOR SERVICING/MAINTENANCE) / LAUNDRIES/ POWER PLANTS / PUMPING STATIONS / REFINERIES / SAWMILLS / TELEPHONE EXCHANGES		AN OCCUPANCY IN WHICH PRODUCTS ARE MANUFACTURED OR IN WHICH PROCESSING, ASSEMBLING, MIXING, PACKAGING, FINISHING, DECORATING, OR REPAIR OPERATIONS ARE CONDUCTED				
II	OCCUPANCY CLASSIFICATION*		BUILDING AREA AND HEIGHT REQUIREMENTS				
A	SPECIAL-PURPOSE INDUSTRIAL OCCUPANCY	LOW AND ORDINARY HAZARD CLASSIFICATION	IN ACCORDANCE WITH NFPA 5000 CHAPTER 7 TABLE 7.4.1 FOR THE ALLOWABLE BUILDING HEIGHT AND AREA REQUIREMENTS				
B	GENERAL INDUSTRIAL OCCUPANCY	LOW AND ORDINARY HAZARD CLASSIFICATION					
C	HIGH HAZARD INDUSTRIAL OCCUPANCY	-					
D	INDUSTRIAL USE CONSIDERED AS LOW HAZARDS:						
	BEVERAGES (NON ALCOHOLIC) / BRICKS & MASONRY / CERAMIC / FOUNDRIES / GLASS PRODUCTS / GYPSUM / ICE / METAL PRODUCTS (FABRICATION & ASSEMBLY) / TELECOMMUNICATION SIGNAL PROCESSING / TELEPHONE EXCHANGES						
	INDUSTRIAL USE OTHER THAN LOW HAZARDS:						
	AIRCRAFT / APPLIANCES / ATHLETIC EQUIPMENT / AUTOMOBILES & OTHER MOTOR VEHICLES / BAKERIES / BEVERAGES (ALCOHOLIC) / BICYCLES / BOAT BUILDING / BROOMS & BRUSHES / BUSINESS MACHINES / CAMERAS & PHOTO EQUIPMENT / CANVAS OR SIMILAR FABRIC / CARPETS & RUGS (INCLUDES CLEANING) / CLOTHING / CONSTRUCTION / DISINFECTANTS / DRY CLEANING & DYEING / ELECTRIC LIGHT PLANTS & POWER HOUSES / ELECTRONICS / ENGINES (INCLUDING REBUILDING) / FOOD PROCESSING / FURNITURE / HEMP PRODUCTS / JUTE PRODUCTS / LAUNDRIES / LEATHER PRODUCTS / MACHINERY / METALS / MILLWORKS (SASH & DOOR) / MOTION PICTURES & TELEVISION FILMING / MOTOR VEHICLES REPAIR GARAGES / MUSICAL INSTRUMENTS / OPTICAL GOODS / PAPER MILLS OR PRODUCTS / PHOTOGRAPHIC FILM / PLASTIC PRODUCTS / PRINTING OR PUBLISHING / RECREATIONAL VEHICLES / REFUSE INCINERATIONS / SHOES / SOAPS & DETERGENTS / TEXTILES / TOBACCO / TRAILERS / UPHOLSTERING / WOOD (DISTILLATION) / WOODWORKING (CABINET MAKING)						
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	SPECIAL-PURPOSE INDUSTRIAL		GENERAL INDUSTRIAL		HIGH HAZARD INDUSTRIAL
			LOW HAZARD	ORDINARY	LOW HAZARD	ORDINARY	
	FIRE FIGHTING LOBBY (F/F LOBBY)	IN EVERY FIRE LIFT PROVISIONS ADJACENT AND ACCESSIBLE TO AN EXIT STAIRCASE SERVES AS A COMMON LOBBY FOR BOTH FIRE LIFT AND THE ADJACENT EXIT STAIRCASE 6M ² MINIMUM WORKING SPACE/AREA (2.0M LEAST SIDE DIMENSIONS)	REQUIRED WHEN FIRE LIFT/S PROVIDED		REQUIRED WHEN FIRE LIFT/S PROVIDED		REQUIRED WHEN FIRE LIFT/S PROVIDED
		PROVISIONS AT THE LEVEL OF EXIT DISCHARGE	NOT REQUIRED IF EXITS COMPLIES WITH EXIT DISCHARGE REQUIREMENTS		NOT REQUIRED IF EXITS COMPLIES WITH EXIT DISCHARGE REQUIREMENTS		NOT REQUIRED IF EXITS COMPLIES WITH EXIT DISCHARGE REQUIREMENTS
	SMOKE-STOP LOBBY (S/S LOBBY)	HIGH-RISE BUILDINGS WITH HABITABLE HEIGHT HIGHER THAN 28 METERS	REQUIRED		REQUIRED		REQUIRED
		BASEMENT LEVEL/S EXCEED 9.0M METERS DEPTH	REQUIRED		REQUIRED		REQUIRED
		BUILDING TRAVERSES MORE THAN FIVE (5) FLOOR LEVELS INCLUDING BASEMENT/S AND BELONGS TO A PLACE OF PUBLIC RESORT (ASSEMBLY & HEALTHCARE OCCUPANCY) REGARDLESS OF THE HABITABLE HEIGHT.	NOT APPLICABLE		NOT APPLICABLE		NOT APPLICABLE



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		INDUSTRIAL OCCUPANCIES - FACTORY AND WORKSHOPS				
	DRY CLEANING PLANTS / FACTORIES OF ALL KINDS / FOOD PROCESSING PLANTS / GAS PLANTS / HANGARS (FOR SERVICING/MAINTENANCE) / LAUNDRIES/ POWER PLANTS / PUMPING STATIONS / REFINERIES / SAWMILLS / TELEPHONE EXCHANGES		AN OCCUPANCY IN WHICH PRODUCTS ARE MANUFACTURED OR IN WHICH PROCESSING, ASSEMBLING, MIXING, PACKAGING, FINISHING, DECORATING, OR REPAIR OPERATIONS ARE CONDUCTED				
II	OCCUPANCY CLASSIFICATION*		BUILDING AREA AND HEIGHT REQUIREMENTS				
A	SPECIAL-PURPOSE INDUSTRIAL OCCUPANCY	LOW AND ORDINARY HAZARD CLASSIFICATION	IN ACCORDANCE WITH NFPA 5000 CHAPTER 7 TABLE 7.4.1 FOR THE ALLOWABLE BUILDING HEIGHT AND AREA REQUIREMENTS				
B	GENERAL INDUSTRIAL OCCUPANCY	LOW AND ORDINARY HAZARD CLASSIFICATION					
C	HIGH HAZARD INDUSTRIAL OCCUPANCY	-					
D	INDUSTRIAL USE CONSIDERED AS LOW HAZARDS:						
	BEVERAGES (NON ALCOHOLIC) / BRICKS & MASONRY / CERAMIC / FOUNDRIES / GLASS PRODUCTS / GYPSUM / ICE / METAL PRODUCTS (FABRICATION & ASSEMBLY) / TELECOMMUNICATION SIGNAL PROCESSING / TELEPHONE EXCHANGES						
	INDUSTRIAL USE OTHER THAN LOW HAZARDS:						
	AIRCRAFT / APPLIANCES / ATHLETIC EQUIPMENT / AUTOMOBILES & OTHER MOTOR VEHICLES / BAKERIES / BEVERAGES (ALCOHOLIC) / BICYCLES / BOAT BUILDING / BROOMS & BRUSHES / BUSINESS MACHINES / CAMERAS & PHOTO EQUIPMENT / CANVAS OR SIMILAR FABRIC / CARPETS & RUGS (INCLUDES CLEANING) / CLOTHING / CONSTRUCTION / DISINFECTANTS / DRY CLEANING & DYEING / ELECTRIC LIGHT PLANTS & POWER HOUSES / ELECTRONICS / ENGINES (INCLUDING REBUILDING) / FOOD PROCESSING / FURNITURE / HEMP PRODUCTS / JUTE PRODUCTS / LAUNDRIES / LEATHER PRODUCTS / MACHINERY / METALS / MILLWORKS (SASH & DOOR) / MOTION PICTURES & TELEVISION FILMING / MOTOR VEHICLES REPAIR GARAGES / MUSICAL INSTRUMENTS / OPTICAL GOODS / PAPER MILLS OR PRODUCTS / PHOTOGRAPHIC FILM / PLASTIC PRODUCTS / PRINTING OR PUBLISHING / RECREATIONAL VEHICLES / REFUSE INCINERATIONS / SHOES / SOAPS & DETERGENTS / TEXTILES / TOBACCO / TRAILERS / UPHOLSTERING / WOOD (DISTILLATION) / WOODWORKING (CABINET MAKING)						
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	SPECIAL-PURPOSE INDUSTRIAL		GENERAL INDUSTRIAL		HIGH HAZARD INDUSTRIAL
			LOW HAZARD	ORDINARY	LOW HAZARD	ORDINARY	
	SMOKE-STOP LOBBY (S/S LOBBY)	3M ² MIN. AREA (LEAST SIDE DIMENSION 1.8M)	REQUIRED		REQUIRED		REQUIRED
		PROVISIONS AT THE LEVEL OF EXIT DISCHARGE	NOT REQUIRED IF EXITS COMPLIES WITH EXIT DISCHARGE REQ'TS		NOT REQUIRED IF EXITS COMPLIES WITH EXIT DISCHARGE REQ'TS		NOT REQUIRED IF EXITS COMPLIES WITH EXIT DISCHARGE REQ'TS
	SMOKE-STOP LOBBY AND FIRE FIGHTING LOBBY DOORS AND WALL ENCLOSURES	1.5-HR FPR** FIRE PROTECTION RATING/2-HRS FRR* FIRE RESISTANCE RATING	REQUIRED WHEN LOBBY'S PROVIDED		REQUIRED WHEN LOBBY'S PROVIDED		REQUIRED WHEN LOBBY'S PROVIDED
7	HORIZONTAL EXITS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED		PERMITTED		NOT PERMITTED
8	EXIT PASSAGEWAYS	ENCLOSURE & SEPARATION FIRE RESISTANCE RATING COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED		REQUIRED		REQUIRED
		MINIMUM WIDTH NOT LESS THAN ¾ OF THE WIDTH OF THE EXIT STAIR	REQUIRED		REQUIRED		REQUIRED
9	ESCALATORS & MOVING WALKS	AS PART OF THE REQUIRED MEANS OF EGRESS AS PER NFPA 101/ASME A17.1 & CSA B44	NOT PERMITTED		NOT PERMITTED		NOT PERMITTED
10	FIRE ESCAPE STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED		PERMITTED		PERMITTED
11	FIRE ESCAPE LADDERS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED		PERMITTED		NOT PERMITTED
12	SLIDE ESCAPES	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED		PERMITTED		PERMITTED
13	ALTERNATING TREAD DEVICES	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED		PERMITTED		NOT PERMITTED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		INDUSTRIAL OCCUPANCIES - FACTORY AND WORKSHOPS				
	DRY CLEANING PLANTS / FACTORIES OF ALL KINDS / FOOD PROCESSING PLANTS / GAS PLANTS / HANGARS (FOR SERVICING/MAINTENANCE) / LAUNDRIES/ POWER PLANTS / PUMPING STATIONS / REFINERIES / SAWMILLS / TELEPHONE EXCHANGES		AN OCCUPANCY IN WHICH PRODUCTS ARE MANUFACTURED OR IN WHICH PROCESSING, ASSEMBLING, MIXING, PACKAGING, FINISHING, DECORATING, OR REPAIR OPERATIONS ARE CONDUCTED				
II	OCCUPANCY CLASSIFICATION*		BUILDING AREA AND HEIGHT REQUIREMENTS				
A	SPECIAL-PURPOSE INDUSTRIAL OCCUPANCY	LOW AND ORDINARY HAZARD CLASSIFICATION	IN ACCORDANCE WITH NFPA 5000 CHAPTER 7 TABLE 7.4.1 FOR THE ALLOWABLE BUILDING HEIGHT AND AREA REQUIREMENTS				
B	GENERAL INDUSTRIAL OCCUPANCY	LOW AND ORDINARY HAZARD CLASSIFICATION					
C	HIGH HAZARD INDUSTRIAL OCCUPANCY	-					
D	INDUSTRIAL USE CONSIDERED AS LOW HAZARDS:						
	BEVERAGES (NON ALCOHOLIC) / BRICKS & MASONRY / CERAMIC / FOUNDRIES / GLASS PRODUCTS / GYPSUM / ICE / METAL PRODUCTS (FABRICATION & ASSEMBLY) / TELECOMMUNICATION SIGNAL PROCESSING / TELEPHONE EXCHANGES						
	INDUSTRIAL USE OTHER THAN LOW HAZARDS:						
	AIRCRAFT / APPLIANCES / ATHLETIC EQUIPMENT / AUTOMOBILES & OTHER MOTOR VEHICLES / BAKERIES / BEVERAGES (ALCOHOLIC) / BICYCLES / BOAT BUILDING / BROOMS & BRUSHES / BUSINESS MACHINES / CAMERAS & PHOTO EQUIPMENT / CANVAS OR SIMILAR FABRIC / CARPETS & RUGS (INCLUDES CLEANING) / CLOTHING / CONSTRUCTION / DISINFECTANTS / DRY CLEANING & DYEING / ELECTRIC LIGHT PLANTS & POWER HOUSES / ELECTRONICS / ENGINES (INCLUDING REBUILDING) / FOOD PROCESSING / FURNITURE / HEMP PRODUCTS / JUTE PRODUCTS / LAUNDRIES / LEATHER PRODUCTS / MACHINERY / METALS / MILLWORKS (SASH & DOOR) / MOTION PICTURES & TELEVISION FILMING / MOTOR VEHICLES REPAIR GARAGES / MUSICAL INSTRUMENTS / OPTICAL GOODS / PAPER MILLS OR PRODUCTS / PHOTOGRAPHIC FILM / PLASTIC PRODUCTS / PRINTING OR PUBLISHING / RECREATIONAL VEHICLES / REFUSE INCINERATIONS / SHOES / SOAPS & DETERGENTS / TEXTILES / TOBACCO / TRAILERS / UPHOLSTERING / WOOD (DISTILLATION) / WOODWORKING (CABINET MAKING)						
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	SPECIAL-PURPOSE INDUSTRIAL		GENERAL INDUSTRIAL		HIGH HAZARD INDUSTRIAL
			LOW HAZARD	ORDINARY	LOW HAZARD	ORDINARY	
14	AREAS OF REFUGE	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED		REQUIRED		REQUIRED
15	ELEVATORS	AS SECOND MEANS OF EGRESS FROM A TOWER & COMPLYING WITH NFPA 101/ASME A17.1/CSA B44	PERMITTED		PERMITTED		PERMITTED
	ELEVATOR DOORS	OPENING INTO EXIT ENCLOSURES	NOT PERMITTED		NOT PERMITTED		NOT PERMITTED
C	CAPACITY OF MEANS OF EGRESS						
1	OCCUPANT LOAD	NFPA 101 TABLE 7.3.1.2 OCCUPANT LOAD FACTORS	NO REQUIREMENTS		9.3M ² /PERSON		9.3M ² /PERSON
2	EGRESS CAPACITY	NFPA 101 TABLE 7.3.3.1 CAPACITY FACTORS	REQUIRED		REQUIRED		REQUIRED
D	NUMBER OF EXITS						
1	SINGLE EXIT	SERVING ALL FLOOR LEVELS	NOT LESS THAN 2 EXITS REQUIRED		NOT LESS THAN 2 EXITS REQUIRED		NOT LESS THAN 2 EXITS REQUIRED
		IN MEZZANINES WITH EXIT TRAVEL WITHIN COMMON PATH LIMIT	PERMITTED		PERMITTED		NOT PERMITTED
		ANY STORY OR SECTION WITH EXIT TRAVEL WITHIN COMMON PATH LIMIT	PERMITTED		PERMITTED		NOT PERMITTED
2	2 SEPARATE EXITS	50 - 500 OCCUPANTS	REQUIRED		REQUIRED		REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		INDUSTRIAL OCCUPANCIES - FACTORY AND WORKSHOPS									
	DRY CLEANING PLANTS / FACTORIES OF ALL KINDS / FOOD PROCESSING PLANTS / GAS PLANTS / HANGARS (FOR SERVICING/MAINTENANCE) / LAUNDRIES/ POWER PLANTS / PUMPING STATIONS / REFINERIES / SAWMILLS / TELEPHONE EXCHANGES		AN OCCUPANCY IN WHICH PRODUCTS ARE MANUFACTURED OR IN WHICH PROCESSING, ASSEMBLING, MIXING, PACKAGING, FINISHING, DECORATING, OR REPAIR OPERATIONS ARE CONDUCTED									
II	OCCUPANCY CLASSIFICATION*		BUILDING AREA AND HEIGHT REQUIREMENTS									
A	SPECIAL-PURPOSE INDUSTRIAL OCCUPANCY	LOW AND ORDINARY HAZARD CLASSIFICATION	IN ACCORDANCE WITH NFPA 5000 CHAPTER 7 TABLE 7.4.1 FOR THE ALLOWABLE BUILDING HEIGHT AND AREA REQUIREMENTS									
B	GENERAL INDUSTRIAL OCCUPANCY	LOW AND ORDINARY HAZARD CLASSIFICATION										
C	HIGH HAZARD INDUSTRIAL OCCUPANCY	-										
D	INDUSTRIAL USE CONSIDERED AS LOW HAZARDS:											
	BEVERAGES (NON ALCOHOLIC) / BRICKS & MASONRY / CERAMIC / FOUNDRIES / GLASS PRODUCTS / GYPSUM / ICE / METAL PRODUCTS (FABRICATION & ASSEMBLY) / TELECOMMUNICATION SIGNAL PROCESSING / TELEPHONE EXCHANGES											
	INDUSTRIAL USE OTHER THAN LOW HAZARDS:											
	AIRCRAFT / APPLIANCES / ATHLETIC EQUIPMENT / AUTOMOBILES & OTHER MOTOR VEHICLES / BAKERIES / BEVERAGES (ALCOHOLIC) / BICYCLES / BOAT BUILDING / BROOMS & BRUSHES / BUSINESS MACHINES / CAMERAS & PHOTO EQUIPMENT / CANVAS OR SIMILAR FABRIC / CARPETS & RUGS (INCLUDES CLEANING) / CLOTHING / CONSTRUCTION / DISINFECTANTS / DRY CLEANING & DYEING / ELECTRIC LIGHT PLANTS & POWER HOUSES / ELECTRONICS / ENGINES (INCLUDING REBUILDING) / FOOD PROCESSING / FURNITURE / HEMP PRODUCTS / JUTE PRODUCTS / LAUNDRIES / LEATHER PRODUCTS / MACHINERY / METALS / MILLWORKS (SASH & DOOR) / MOTION PICTURES & TELEVISION FILMING / MOTOR VEHICLES REPAIR GARAGES / MUSICAL INSTRUMENTS / OPTICAL GOODS / PAPER MILLS OR PRODUCTS / PHOTOGRAPHIC FILM / PLASTIC PRODUCTS / PRINTING OR PUBLISHING / RECREATIONAL VEHICLES / REFUSE INCINERATIONS / SHOES / SOAPS & DETERGENTS / TEXTILES / TOBACCO / TRAILERS / UPHOLSTERING / WOOD (DISTILLATION) / WOODWORKING (CABINET MAKING)											
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	SPECIAL-PURPOSE INDUSTRIAL		GENERAL INDUSTRIAL				HIGH HAZARD INDUSTRIAL			
			LOW HAZARD	ORDINARY	LOW HAZARD	ORDINARY	LOW HAZARD	ORDINARY	LOW HAZARD	ORDINARY		
3	3 SEPARATE EXITS	EQUAL OR MORE THAN 500 OCCUPANTS	REQUIRED				REQUIRED				REQUIRED	
4	4 SEPARATE EXITS	EQUAL OR MORE THAN 1000 OCCUPANTS	REQUIRED				REQUIRED				REQUIRED	
E	ARRANGEMENT OF EXITS	(NS*-NOT SPRINKLERED / S**-SPRINKLERED)	NS*	S**	NS*	S**	NS*	S**	NS*	S**	NS*	S**
1	TRAVEL DISTANCE	NFPA 101 TABLE 40.2.6	91M	12M	91M	122M	61M	76M	61M	76M	NOT PERMITTED	23M
2	COMMON PATH LIMIT	NFPA 101 TABLE 40.2.5	30M	15M	30M	15M	30M	15M	30M	15M	PROHIBITED	PROHIBITED
3	DEAD-END CORRIDOR	NFPA 101 TABLE 40.2.5	30M	15M	30M	15M	30M	15M	30M	15M	PROHIBITED	PROHIBITED
4	EXIT DISCHARGE	COMPLYING WITH NFPA 101	REQUIRED				REQUIRED				REQUIRED	
5	EXTERIOR WAYS OF EXIT	COMPLYING WITH NFPA 101	PERMITTED				PERMITTED				PERMITTED	
6	ACCESSIBLE MEANS OF EGRESS	EXIT PROVISIONS FOR PEOPLE WITH SEVERE MOBILITY IMPAIRMENT	NOT LESS THAN 2 EXITS REQUIRED				NOT LESS THAN 2 EXITS REQUIRED				NOT LESS THAN 2 EXITS REQUIRED	
7	ILLUMINATION OF MEANS OF EGRESS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED				REQUIRED				REQUIRED	
8	EMERGENCY LIGHTING	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED				REQUIRED				REQUIRED	
9	MARKINGS OF MEANS OF EGRESS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED				REQUIRED				REQUIRED	
F	SPECIAL MEANS OF EGRESS PROVISIONS											
1	FIREMEN ACCESS PANELS	ANY NUMBER OF STORIES	REQUIRED				REQUIRED				REQUIRED	



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		INDUSTRIAL OCCUPANCIES - FACTORY AND WORKSHOPS				
	DRY CLEANING PLANTS / FACTORIES OF ALL KINDS / FOOD PROCESSING PLANTS / GAS PLANTS / HANGARS (FOR SERVICING/MAINTENANCE) / LAUNDRIES/ POWER PLANTS / PUMPING STATIONS / REFINERIES / SAWMILLS / TELEPHONE EXCHANGES		AN OCCUPANCY IN WHICH PRODUCTS ARE MANUFACTURED OR IN WHICH PROCESSING, ASSEMBLING, MIXING, PACKAGING, FINISHING, DECORATING, OR REPAIR OPERATIONS ARE CONDUCTED				
II	OCCUPANCY CLASSIFICATION*		BUILDING AREA AND HEIGHT REQUIREMENTS				
A	SPECIAL-PURPOSE INDUSTRIAL OCCUPANCY	LOW AND ORDINARY HAZARD CLASSIFICATION	IN ACCORDANCE WITH NFPA 5000 CHAPTER 7 TABLE 7.4.1 FOR THE ALLOWABLE BUILDING HEIGHT AND AREA REQUIREMENTS				
B	GENERAL INDUSTRIAL OCCUPANCY	LOW AND ORDINARY HAZARD CLASSIFICATION					
C	HIGH HAZARD INDUSTRIAL OCCUPANCY	-					
D	INDUSTRIAL USE CONSIDERED AS LOW HAZARDS:						
	BEVERAGES (NON ALCOHOLIC) / BRICKS & MASONRY / CERAMIC / FOUNDRIES / GLASS PRODUCTS / GYPSUM / ICE / METAL PRODUCTS (FABRICATION & ASSEMBLY) / TELECOMMUNICATION SIGNAL PROCESSING / TELEPHONE EXCHANGES						
	INDUSTRIAL USE OTHER THAN LOW HAZARDS:						
	AIRCRAFT / APPLIANCES / ATHLETIC EQUIPMENT / AUTOMOBILES & OTHER MOTOR VEHICLES / BAKERIES / BEVERAGES (ALCOHOLIC) / BICYCLES / BOAT BUILDING / BROOMS & BRUSHES / BUSINESS MACHINES / CAMERAS & PHOTO EQUIPMENT / CANVAS OR SIMILAR FABRIC / CARPETS & RUGS (INCLUDES CLEANING) / CLOTHING / CONSTRUCTION / DISINFECTANTS / DRY CLEANING & DYEING / ELECTRIC LIGHT PLANTS & POWER HOUSES / ELECTRONICS / ENGINES (INCLUDING REBUILDING) / FOOD PROCESSING / FURNITURE / HEMP PRODUCTS / JUTE PRODUCTS / LAUNDRIES / LEATHER PRODUCTS / MACHINERY / METALS / MILLWORKS (SASH & DOOR) / MOTION PICTURES & TELEVISION FILMING / MOTOR VEHICLES REPAIR GARAGES / MUSICAL INSTRUMENTS / OPTICAL GOODS / PAPER MILLS OR PRODUCTS / PHOTOGRAPHIC FILM / PLASTIC PRODUCTS / PRINTING OR PUBLISHING / RECREATIONAL VEHICLES / REFUSE INCINERATIONS / SHOES / SOAPS & DETERGENTS / TEXTILES / TOBACCO / TRAILERS / UPHOLSTERING / WOOD (DISTILLATION) / WOODWORKING (CABINET MAKING)						
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	SPECIAL-PURPOSE INDUSTRIAL		GENERAL INDUSTRIAL		HIGH HAZARD INDUSTRIAL
			LOW HAZARD	ORDINARY	LOW HAZARD	ORDINARY	
2	REFUGE FLOORS	AT AN INTERVAL OF 20 STORIES	BUILDINGS EXCEEDING 30 STORIES		BUILDINGS EXCEEDING 30 STORIES		BUILDINGS EXCEEDING 30 STORIES
3	ELEVATORS FOR OCCUPANT CONTROLLED EVACUATION PRIOR TO PHASE I EMERGENCY RECALL OPERATIONS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED		PERMITTED		PERMITTED
V	INTERIOR FINISH CONTENTS AND FURNISHING						
A	INTERIOR FINISH	COMPLYING WITH CHAPTER 10 OF NFPA 101	REQUIRED		REQUIRED		REQUIRED
1	INTERIOR WALL & CEILING FINISHES	CLASS A/B/C IN OPERATING AREAS & EXIT ENCLOSURES	REQUIRED		REQUIRED		REQUIRED
2	INTERIOR FLOOR FINISHES	CLASS II IN EXIT ENCLOSURE & EXIT ACCESS CORRIDORS	REQUIRED		REQUIRED		REQUIRED
		OTHER AREAS	NOT REQUIRED		NOT REQUIRED		NOT REQUIRED
VI	FEATURES OF FIRE PROTECTION (NFPA 5000 TABLES 7.2.1.1, 7.3.2.1, 7.3.5 (a), (b), 7.3.5.5, 7.4.1)						
A	CONSTRUCTION AND COMPARTMENTATION	COMPLYING WITH CHAPTER 7 & 8 OF NFPA 5000	REQUIRED		REQUIRED		REQUIRED
1	CONSTRUCTION	TYPE I OR TYPE II	HOURLY RATINGS BASED ON NFPA 5000 HEIGHT & AREA REQUIREMENTS		HOURLY RATINGS BASED ON NFPA 5000 HEIGHT & AREA REQUIREMENTS		HOURLY RATINGS AS PER HIGH HAZARD REQUIRED PROTECTION LEVEL
		TYPE III OR TYPE IV OR TYPE V					
		EXTERIOR BEARING WALLS					
		FRAMING, COLUMNS, BEAMS, GIRDERS, TRUSSES					
		FLOOR CONSTRUCTION					



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		INDUSTRIAL OCCUPANCIES - FACTORY AND WORKSHOPS				
	DRY CLEANING PLANTS / FACTORIES OF ALL KINDS / FOOD PROCESSING PLANTS / GAS PLANTS / HANGARS (FOR SERVICING/MAINTENANCE) / LAUNDRIES/ POWER PLANTS / PUMPING STATIONS / REFINERIES / SAWMILLS / TELEPHONE EXCHANGES		AN OCCUPANCY IN WHICH PRODUCTS ARE MANUFACTURED OR IN WHICH PROCESSING, ASSEMBLING, MIXING, PACKAGING, FINISHING, DECORATING, OR REPAIR OPERATIONS ARE CONDUCTED				
II	OCCUPANCY CLASSIFICATION*		BUILDING AREA AND HEIGHT REQUIREMENTS				
A	SPECIAL-PURPOSE INDUSTRIAL OCCUPANCY	LOW AND ORDINARY HAZARD CLASSIFICATION	IN ACCORDANCE WITH NFPA 5000 CHAPTER 7 TABLE 7.4.1 FOR THE ALLOWABLE BUILDING HEIGHT AND AREA REQUIREMENTS				
B	GENERAL INDUSTRIAL OCCUPANCY	LOW AND ORDINARY HAZARD CLASSIFICATION					
C	HIGH HAZARD INDUSTRIAL OCCUPANCY	-					
D	INDUSTRIAL USE CONSIDERED AS LOW HAZARDS:						
	BEVERAGES (NON ALCOHOLIC) / BRICKS & MASONRY / CERAMIC / FOUNDRIES / GLASS PRODUCTS / GYPSUM / ICE / METAL PRODUCTS (FABRICATION & ASSEMBLY) / TELECOMMUNICATION SIGNAL PROCESSING / TELEPHONE EXCHANGES						
	INDUSTRIAL USE OTHER THAN LOW HAZARDS:						
	AIRCRAFT / APPLIANCES / ATHLETIC EQUIPMENT / AUTOMOBILES & OTHER MOTOR VEHICLES / BAKERIES / BEVERAGES (ALCOHOLIC) / BICYCLES / BOAT BUILDING / BROOMS & BRUSHES / BUSINESS MACHINES / CAMERAS & PHOTO EQUIPMENT / CANVAS OR SIMILAR FABRIC / CARPETS & RUGS (INCLUDES CLEANING) / CLOTHING / CONSTRUCTION / DISINFECTANTS / DRY CLEANING & DYEING / ELECTRIC LIGHT PLANTS & POWER HOUSES / ELECTRONICS / ENGINES (INCLUDING REBUILDING) / FOOD PROCESSING / FURNITURE / HEMP PRODUCTS / JUTE PRODUCTS / LAUNDRIES / LEATHER PRODUCTS / MACHINERY / METALS / MILLWORKS (SASH & DOOR) / MOTION PICTURES & TELEVISION FILMING / MOTOR VEHICLES REPAIR GARAGES / MUSICAL INSTRUMENTS / OPTICAL GOODS / PAPER MILLS OR PRODUCTS / PHOTOGRAPHIC FILM / PLASTIC PRODUCTS / PRINTING OR PUBLISHING / RECREATIONAL VEHICLES / REFUSE INCINERATIONS / SHOES / SOAPS & DETERGENTS / TEXTILES / TOBACCO / TRAILERS / UPHOLSTERING / WOOD (DISTILLATION) / WOODWORKING (CABINET MAKING)						
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	SPECIAL-PURPOSE INDUSTRIAL		GENERAL INDUSTRIAL		HIGH HAZARD INDUSTRIAL
			LOW HAZARD	ORDINARY	LOW HAZARD	ORDINARY	
B	COMPARTMENTATION / SUBDIVISION OF BLDG. SPACES	COMPLYING WITH NFPA 101 & NFPA 5000	NO REQUIREMENTS		NO REQUIREMENTS		NO REQUIREMENTS
1	FIRE BARRIERS	COMPLYING WITH NFPA 101 & NFPA 5000	REQUIRED		REQUIRED		REQUIRED
2	SEPARATION FROM OTHER OCCUPANCIES	AS PER NFPA 101 TABLE 6.1.14.4.1 (a), (b)	REQUIRED		REQUIRED		REQUIRED
3	SMOKE PARTITIONS	COMPLYING WITH NFPA 101 & NFPA 5000	REQUIRED		REQUIRED		REQUIRED
4	SMOKE BARRIERS	COMPLYING WITH NFPA 101 & NFPA 5000	REQUIRED		REQUIRED		REQUIRED
C	VERTICAL OPENINGS PROTECTION	PROTECTION COMPLYING WITH NFPA CODES	REQUIRED		REQUIRED		REQUIRED
1	COMMUNICATING SPACES	COMPLYING WITH CHAPTER 8 NFPA 101	PERMITTED		PERMITTED		PERMITTED
2	ATRIUMS	COMPLYING WITH CHAPTER 8 NFPA 101	PERMITTED		PERMITTED		PERMITTED
3	CONVENIENCE OPENINGS	COMPLYING WITH CHAPTER 8 NFPA 101	PERMITTED		PERMITTED		PERMITTED
4	SHAFTS	COMPLYING WITH CHAPTER 8 NFPA 101	PERMITTED		PERMITTED		PERMITTED
5	MEZZANINES	COMPLYING WITH CHAPTER 8 NFPA 101	PERMITTED		PERMITTED		PERMITTED
6	CONCEALED SPACES & DRAFSTOPS	COMPLYING WITH CHAPTER 8 NFPA 101	REQUIRED		REQUIRED		REQUIRED
	EXTERIOR & INTERIOR WALL & PARTITION	FIRESTOPPED AT EACH FLOOR LEVEL, TOP STORY CEILING LEVEL & AT THE LEVEL OF SUPPORT FOR ROOFS	REQUIRED		REQUIRED		REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		INDUSTRIAL OCCUPANCIES - FACTORY AND WORKSHOPS				
	DRY CLEANING PLANTS / FACTORIES OF ALL KINDS / FOOD PROCESSING PLANTS / GAS PLANTS / HANGARS (FOR SERVICING/MAINTENANCE) / LAUNDRIES/ POWER PLANTS / PUMPING STATIONS / REFINERIES / SAWMILLS / TELEPHONE EXCHANGES		AN OCCUPANCY IN WHICH PRODUCTS ARE MANUFACTURED OR IN WHICH PROCESSING, ASSEMBLING, MIXING, PACKAGING, FINISHING, DECORATING, OR REPAIR OPERATIONS ARE CONDUCTED				
II	OCCUPANCY CLASSIFICATION*		BUILDING AREA AND HEIGHT REQUIREMENTS				
A	SPECIAL-PURPOSE INDUSTRIAL OCCUPANCY	LOW AND ORDINARY HAZARD CLASSIFICATION	IN ACCORDANCE WITH NFPA 5000 CHAPTER 7 TABLE 7.4.1 FOR THE ALLOWABLE BUILDING HEIGHT AND AREA REQUIREMENTS				
B	GENERAL INDUSTRIAL OCCUPANCY	LOW AND ORDINARY HAZARD CLASSIFICATION					
C	HIGH HAZARD INDUSTRIAL OCCUPANCY	-					
D	INDUSTRIAL USE CONSIDERED AS LOW HAZARDS:						
	BEVERAGES (NON ALCOHOLIC) / BRICKS & MASONRY / CERAMIC / FOUNDRIES / GLASS PRODUCTS / GYPSUM / ICE / METAL PRODUCTS (FABRICATION & ASSEMBLY) / TELECOMMUNICATION SIGNAL PROCESSING / TELEPHONE EXCHANGES						
	INDUSTRIAL USE OTHER THAN LOW HAZARDS:						
	AIRCRAFT / APPLIANCES / ATHLETIC EQUIPMENT / AUTOMOBILES & OTHER MOTOR VEHICLES / BAKERIES / BEVERAGES (ALCOHOLIC) / BICYCLES / BOAT BUILDING / BROOMS & BRUSHES / BUSINESS MACHINES / CAMERAS & PHOTO EQUIPMENT / CANVAS OR SIMILAR FABRIC / CARPETS & RUGS (INCLUDES CLEANING) / CLOTHING / CONSTRUCTION / DISINFECTANTS / DRY CLEANING & DYEING / ELECTRIC LIGHT PLANTS & POWER HOUSES / ELECTRONICS / ENGINES (INCLUDING REBUILDING) / FOOD PROCESSING / FURNITURE / HEMP PRODUCTS / JUTE PRODUCTS / LAUNDRIES / LEATHER PRODUCTS / MACHINERY / METALS / MILLWORKS (SASH & DOOR) / MOTION PICTURES & TELEVISION FILMING / MOTOR VEHICLES REPAIR GARAGES / MUSICAL INSTRUMENTS / OPTICAL GOODS / PAPER MILLS OR PRODUCTS / PHOTOGRAPHIC FILM / PLASTIC PRODUCTS / PRINTING OR PUBLISHING / RECREATIONAL VEHICLES / REFUSE INCINERATIONS / SHOES / SOAPS & DETERGENTS / TEXTILES / TOBACCO / TRAILERS / UPHOLSTERING / WOOD (DISTILLATION) / WOODWORKING (CABINET MAKING)						
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	SPECIAL-PURPOSE INDUSTRIAL		GENERAL INDUSTRIAL		HIGH HAZARD INDUSTRIAL
			LOW HAZARD	ORDINARY	LOW HAZARD	ORDINARY	
	UNOCCUPIED ATTIC SPACES	DRAFSTOP INTO AREAS NOT EXCEEDING 280M ²	REQUIRED		REQUIRED		REQUIRED
	CONCEALED SPACES (CEILINGS & FLOORS)	DRAFSTOP INTO AREAS NOT EXCEEDING 93M ²	REQUIRED		REQUIRED		REQUIRED
	CONCEALED SPACES (FLOORS & ROOFS)	DRAFSTOP INTO AREAS NOT EXCEEDING 280M ²	REQUIRED		REQUIRED		REQUIRED
VII	FIRE PROTECTION		NR-NOT REQUIRED / R-REQUIRED				
A	DETECTION ALARM AND COMMUNICATION SYSTEMS						
1	FIRE ALARM SYSTEM	COMPLYING WITH NFPA 72	REQUIRED		REQUIRED		REQUIRED
B	EXTINGUISHING REQUIREMENTS						
1	PORTABLE FIRE EXTINGUISHERS	TYPE AND RATING IN ACCORDANCE WITH NFPA 10	REQUIRED		REQUIRED		REQUIRED
2	FIRE BLANKETS	IN KITCHEN OR PANTRY	REQUIRED		REQUIRED		REQUIRED
3	STANDPIPE SYSTEM	COMPLYING WITH NFPA 14	REQUIRED		REQUIRED		REQUIRED
4	FIRE HOSE REELS	25MM DIAMETER HOSE	REQUIRED		REQUIRED		REQUIRED
5	AUTOMATIC SPRINKLER SYSTEM	3 OR MORE STOREYS IN HEIGHT	NR	R	NR	R	REQUIRED
		FIRE AREA EXCEEDING 1115M ²	NR	R	NR	R	REQUIRED
		TOTAL AREA OF ALL FLOORS EXCEEDS 2230M ²	NR	R	NR	R	REQUIRED
		WOODWORKING OPERATIONS EXCEEDING 232M ²	REQUIRED		REQUIRED		REQUIRED
		POWER GENERATION BUILDING	REQUIRED		REQUIRED		REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		INDUSTRIAL OCCUPANCIES - FACTORY AND WORKSHOPS				
	DRY CLEANING PLANTS / FACTORIES OF ALL KINDS / FOOD PROCESSING PLANTS / GAS PLANTS / HANGARS (FOR SERVICING/MAINTENANCE) / LAUNDRIES/ POWER PLANTS / PUMPING STATIONS / REFINERIES / SAWMILLS / TELEPHONE EXCHANGES		AN OCCUPANCY IN WHICH PRODUCTS ARE MANUFACTURED OR IN WHICH PROCESSING, ASSEMBLING, MIXING, PACKAGING, FINISHING, DECORATING, OR REPAIR OPERATIONS ARE CONDUCTED				
II	OCCUPANCY CLASSIFICATION*		BUILDING AREA AND HEIGHT REQUIREMENTS				
A	SPECIAL-PURPOSE INDUSTRIAL OCCUPANCY	LOW AND ORDINARY HAZARD CLASSIFICATION	IN ACCORDANCE WITH NFPA 5000 CHAPTER 7 TABLE 7.4.1 FOR THE ALLOWABLE BUILDING HEIGHT AND AREA REQUIREMENTS				
B	GENERAL INDUSTRIAL OCCUPANCY	LOW AND ORDINARY HAZARD CLASSIFICATION					
C	HIGH HAZARD INDUSTRIAL OCCUPANCY	-					
D	INDUSTRIAL USE CONSIDERED AS LOW HAZARDS:						
	BEVERAGES (NON ALCOHOLIC) / BRICKS & MASONRY / CERAMIC / FOUNDRIES / GLASS PRODUCTS / GYPSUM / ICE / METAL PRODUCTS (FABRICATION & ASSEMBLY) / TELECOMMUNICATION SIGNAL PROCESSING / TELEPHONE EXCHANGES						
	INDUSTRIAL USE OTHER THAN LOW HAZARDS:						
	AIRCRAFT / APPLIANCES / ATHLETIC EQUIPMENT / AUTOMOBILES & OTHER MOTOR VEHICLES / BAKERIES / BEVERAGES (ALCOHOLIC) / BICYCLES / BOAT BUILDING / BROOMS & BRUSHES / BUSINESS MACHINES / CAMERAS & PHOTO EQUIPMENT / CANVAS OR SIMILAR FABRIC / CARPETS & RUGS (INCLUDES CLEANING) / CLOTHING / CONSTRUCTION / DISINFECTANTS / DRY CLEANING & DYEING / ELECTRIC LIGHT PLANTS & POWER HOUSES / ELECTRONICS / ENGINES (INCLUDING REBUILDING) / FOOD PROCESSING / FURNITURE / HEMP PRODUCTS / JUTE PRODUCTS / LAUNDRIES / LEATHER PRODUCTS / MACHINERY / METALS / MILLWORKS (SASH & DOOR) / MOTION PICTURES & TELEVISION FILMING / MOTOR VEHICLES REPAIR GARAGES / MUSICAL INSTRUMENTS / OPTICAL GOODS / PAPER MILLS OR PRODUCTS / PHOTOGRAPHIC FILM / PLASTIC PRODUCTS / PRINTING OR PUBLISHING / RECREATIONAL VEHICLES / REFUSE INCINERATIONS / SHOES / SOAPS & DETERGENTS / TEXTILES / TOBACCO / TRAILERS / UPHOLSTERING / WOOD (DISTILLATION) / WOODWORKING (CABINET MAKING)						
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	SPECIAL-PURPOSE INDUSTRIAL		GENERAL INDUSTRIAL		HIGH HAZARD INDUSTRIAL
			LOW HAZARD	ORDINARY	LOW HAZARD	ORDINARY	
6	OTHER EXTINGUISHING SYSTEM	COMPLIANCE FROM INDIVIDUAL CODES & STANDARDS	IN LIEU OF AN AUTOMATIC SUPPRESSION SYSTEM		IN LIEU OF AN AUTOMATIC SUPPRESSION SYSTEM		IN LIEU OF AN AUTOMATIC SUPPRESSION SYSTEM
VIII	BUILDING SERVICES PROTECTION						
A	BUILDING UTILITIES		COMPLYING WITH CHAPTER 9 NFPA 101				
1	GAS EQUIPMENT & RELATED PIPING	PROTECTION AS PER NFPA 54 & NFPA 58	REQUIRED		REQUIRED		REQUIRED
2	ELECTRICAL SYSTEMS/ ELECTRICAL EQUIPMENT ROOMS	ASS or 2-HRS ENCLOSURE	REQUIRED		REQUIRED		REQUIRED
	SUBSTATIONS & SWITCHGEARS	ATTACHED TO OCCUPIED BUILDINGS	3-HRS FRR* or ASS		3-HRS FRR* or ASS		3-HRS FRR* or ASS
		STANDALONE: TRANSFORMER VAULT PROTECTION	3-HRS FRR* or 1-HR FRR* with ASS		3-HRS FRR* or 1-HR FRR* with ASS		3-HRS FRR* or 1-HR FRR* with ASS
3	COMMERCIAL COOKING EQUIPMENT	COMPLYING WITH NFPA 96	REQUIRED		REQUIRED		REQUIRED
	KITCHEN/PANTRY ENCLOSURE		NOT REQUIRED		NOT REQUIRED		NOT REQUIRED
4	ELEVATORS, ESCALATORS & CONVEYORS	COMPLYING WITH ASME A17.1/CSA B44	REQUIRED		REQUIRED		REQUIRED
	FIRE FIGHTERS' EMERGENCY OPERATION	COMPLYING WITH ASME A17.1/CSA B44	REQUIRED		REQUIRED		REQUIRED
B	RUBBISH CHUTE, INCENERATORS & LAUNDRY CHUTES	COMPLYING WITH NFPA 82	REQUIRED		REQUIRED		REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		INDUSTRIAL OCCUPANCIES - FACTORY AND WORKSHOPS				
	DRY CLEANING PLANTS / FACTORIES OF ALL KINDS / FOOD PROCESSING PLANTS / GAS PLANTS / HANGARS (FOR SERVICING/MAINTENANCE) / LAUNDRIES/ POWER PLANTS / PUMPING STATIONS / REFINERIES / SAWMILLS / TELEPHONE EXCHANGES		AN OCCUPANCY IN WHICH PRODUCTS ARE MANUFACTURED OR IN WHICH PROCESSING, ASSEMBLING, MIXING, PACKAGING, FINISHING, DECORATING, OR REPAIR OPERATIONS ARE CONDUCTED				
II	OCCUPANCY CLASSIFICATION*		BUILDING AREA AND HEIGHT REQUIREMENTS				
A	SPECIAL-PURPOSE INDUSTRIAL OCCUPANCY	LOW AND ORDINARY HAZARD CLASSIFICATION	IN ACCORDANCE WITH NFPA 5000 CHAPTER 7 TABLE 7.4.1 FOR THE ALLOWABLE BUILDING HEIGHT AND AREA REQUIREMENTS				
B	GENERAL INDUSTRIAL OCCUPANCY	LOW AND ORDINARY HAZARD CLASSIFICATION					
C	HIGH HAZARD INDUSTRIAL OCCUPANCY	-					
D	INDUSTRIAL USE CONSIDERED AS LOW HAZARDS:						
	BEVERAGES (NON ALCOHOLIC) / BRICKS & MASONRY / CERAMIC / FOUNDRIES / GLASS PRODUCTS / GYPSUM / ICE / METAL PRODUCTS (FABRICATION & ASSEMBLY) / TELECOMMUNICATION SIGNAL PROCESSING / TELEPHONE EXCHANGES						
	INDUSTRIAL USE OTHER THAN LOW HAZARDS:						
	AIRCRAFT / APPLIANCES / ATHLETIC EQUIPMENT / AUTOMOBILES & OTHER MOTOR VEHICLES / BAKERIES / BEVERAGES (ALCOHOLIC) / BICYCLES / BOAT BUILDING / BROOMS & BRUSHES / BUSINESS MACHINES / CAMERAS & PHOTO EQUIPMENT / CANVAS OR SIMILAR FABRIC / CARPETS & RUGS (INCLUDES CLEANING) / CLOTHING / CONSTRUCTION / DISINFECTANTS / DRY CLEANING & DYEING / ELECTRIC LIGHT PLANTS & POWER HOUSES / ELECTRONICS / ENGINES (INCLUDING REBUILDING) / FOOD PROCESSING / FURNITURE / HEMP PRODUCTS / JUTE PRODUCTS / LAUNDRIES / LEATHER PRODUCTS / MACHINERY / METALS / MILLWORKS (SASH & DOOR) / MOTION PICTURES & TELEVISION FILMING / MOTOR VEHICLES REPAIR GARAGES / MUSICAL INSTRUMENTS / OPTICAL GOODS / PAPER MILLS OR PRODUCTS / PHOTOGRAPHIC FILM / PLASTIC PRODUCTS / PRINTING OR PUBLISHING / RECREATIONAL VEHICLES / REFUSE INCINERATIONS / SHOES / SOAPS & DETERGENTS / TEXTILES / TOBACCO / TRAILERS / UPHOLSTERING / WOOD (DISTILLATION) / WOODWORKING (CABINET MAKING)						
	FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	SPECIAL-PURPOSE INDUSTRIAL		GENERAL INDUSTRIAL		HIGH HAZARD INDUSTRIAL
			LOW HAZARD	ORDINARY	LOW HAZARD	ORDINARY	
	ENCLOSURES	≤3 STOREYS/ ≥3 STOREYS	1-HR FRR*/2-HRS FRR*		1-HR FRR*/2-HRS FRR*		1-HR FRR*/2-HRS FRR*
	OPENING PROTECTIVE (FIRE DOORS/WINDOWS)	≤3 STOREYS / ≥3 STOREYS	1-HR FRR**/1.5-HR FRR**		1-HR FRR**/1.5-HR FRR**		1-HR FRR**/1.5-HR FRR**
C	EMERGENCY POWER SUPPLY SYSTEM	COMPLYING WITH NFPA 110	NOT REQUIRED	REQUIRED	NOT REQUIRED	REQUIRED	REQUIRED
1	GENERATORS	ENCLOSURE	1-HOUR FRR*	1-HOUR FRR*	1-HOUR FRR*	1-HOUR FRR*	1-HOUR FRR*
D	FIRE PUMP ROOM	COMPLYING WITH NFPA 20	REQUIRED		REQUIRED		REQUIRED
	PUMP ROOM ENCLOSURES	MORE THAN 15.3 M FROM ANY BUILDING	1-HR FRR*		1-HR FRR*		1-HR FRR*
		WITHIN 15.3M OR ATTACHED TO BUILDINGS	2-HRS FRR*		2-HRS FRR*		2-HRS FRR*
	DIRECT SAFE ACCESS	EXTERNAL ACCESS WITHIN THE LEVEL OF DISCHARGE	REQUIRED		REQUIRED		REQUIRED
		WITHIN 3M FROM ANY EXIT THAT COMPLIES WITH DIRECT DISCHARGE REQUIREMENTS	PERMITTED		PERMITTED		PERMITTED
	ACCESS COMPONENT (UNDERGROUND LOCATION)	STANDARD STAIR (OF ANY NON-COMBUSTIBLE MATERIAL)	REQUIRED		REQUIRED		REQUIRED
		CAT STEEL LADDER	NOT PERMITTED		NOT PERMITTED		NOT PERMITTED
E	FIRE WATER TANKS	COMPLYING WITH NFPA 22	REQUIRED		REQUIRED		REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS	INDUSTRIAL OCCUPANCIES - FACTORY AND WORKSHOPS					
	DRY CLEANING PLANTS / FACTORIES OF ALL KINDS / FOOD PROCESSING PLANTS / GAS PLANTS / HANGARS (FOR SERVICING/MAINTENANCE) / LAUNDRIES/ POWER PLANTS / PUMPING STATIONS / REFINERIES / SAWMILLS / TELEPHONE EXCHANGES	AN OCCUPANCY IN WHICH PRODUCTS ARE MANUFACTURED OR IN WHICH PROCESSING, ASSEMBLING, MIXING, PACKAGING, FINISHING, DECORATING, OR REPAIR OPERATIONS ARE CONDUCTED					
II	OCCUPANCY CLASSIFICATION*	<i>BUILDING AREA AND HEIGHT REQUIREMENTS</i>					
A	SPECIAL-PURPOSE INDUSTRIAL OCCUPANCY	LOW AND ORDINARY HAZARD CLASSIFICATION	IN ACCORDANCE WITH NFPA 5000 CHAPTER 7 TABLE 7.4.1 FOR THE ALLOWABLE BUILDING HEIGHT AND AREA REQUIREMENTS				
B	GENERAL INDUSTRIAL OCCUPANCY	LOW AND ORDINARY HAZARD CLASSIFICATION					
C	HIGH HAZARD INDUSTRIAL OCCUPANCY	-					
D	INDUSTRIAL USE CONSIDERED AS LOW HAZARDS:						
	BEVERAGES (NON ALCOHOLIC) / BRICKS & MASONRY / CERAMIC / FOUNDRIES / GLASS PRODUCTS / GYPSUM / ICE / METAL PRODUCTS (FABRICATION & ASSEMBLY) / TELECOMMUNICATION SIGNAL PROCESSING / TELEPHONE EXCHANGES						
	INDUSTRIAL USE OTHER THAN LOW HAZARDS:						
	AIRCRAFT / APPLIANCES / ATHLETIC EQUIPMENT / AUTOMOBILES & OTHER MOTOR VEHICLES / BAKERIES / BEVERAGES (ALCOHOLIC) / BICYCLES / BOAT BUILDING / BROOMS & BRUSHES / BUSINESS MACHINES / CAMERAS & PHOTO EQUIPMENT / CANVAS OR SIMILAR FABRIC / CARPETS & RUGS (INCLUDES CLEANING) / CLOTHING / CONSTRUCTION / DISINFECTANTS / DRY CLEANING & DYEING / ELECTRIC LIGHT PLANTS & POWER HOUSES / ELECTRONICS / ENGINES (INCLUDING REBUILDING) / FOOD PROCESSING / FURNITURE / HEMP PRODUCTS / JUTE PRODUCTS / LAUNDRIES / LEATHER PRODUCTS / MACHINERY / METALS / MILLWORKS (SASH & DOOR) / MOTION PICTURES & TELEVISION FILMING / MOTOR VEHICLES REPAIR GARAGES / MUSICAL INSTRUMENTS / OPTICAL GOODS / PAPER MILLS OR PRODUCTS / PHOTOGRAPHIC FILM / PLASTIC PRODUCTS / PRINTING OR PUBLISHING / RECREATIONAL VEHICLES / REFUSE INCINERATIONS / SHOES / SOAPS & DETERGENTS / TEXTILES / TOBACCO / TRAILERS / UPHOLSTERING / WOOD (DISTILLATION) / WOODWORKING (CABINET MAKING)						
	<i>FIRE SAFETY PROVISIONS</i>	<i>MINIMUM REQUIREMENTS</i>	SPECIAL-PURPOSE INDUSTRIAL		GENERAL INDUSTRIAL		HIGH HAZARD INDUSTRIAL
			<i>LOW HAZARD</i>	<i>ORDINARY</i>	<i>LOW HAZARD</i>	<i>ORDINARY</i>	
	MATERIALS	NON-COMBUSTIBLE MATERIAL	REQUIRED		REQUIRED		REQUIRED
		GRP TANKS (WITHIN 1-HR FIRE RATED ENCLOSURE)	PERMITTED		PERMITTED		PERMITTED
	DESIGN/COMPARTMENTATION	TWO (2) COMPARTMENTS	REQUIRED		REQUIRED		REQUIRED
F	SMOKE CONTROL / EMERGENCY VENTILATION	COMPLYING WITH NFPA 92 NFPA 204	REQUIRED		REQUIRED		REQUIRED
1	VENTILATION / SMOKE CONTROL SYSTEM BY ANY OF THE FOLLOWING: 1.1 NATURAL VENTILATION; 1.2 MECHANICAL VENTILATION & SMOKE CONTROL SYSTEM AND/OR 1.3 MECHANICAL VENTILATION BY POSITIVE VENTILATION (PRESSURIZATION) SYSTEM	FIRE AREA EXCEEDING 1115M ²	NOT REQUIRED	REQUIRED	NOT REQUIRED	REQUIRED	REQUIRED
		TOTAL AREA OF ALL FLOORS EXCEEDS 2230M ²	NOT REQUIRED	REQUIRED	NOT REQUIRED	REQUIRED	REQUIRED
		WOODWORKING OPERATIONS EXCEEDING 232M ²	REQUIRED		REQUIRED		REQUIRED
		POWER GENERATION BUILDING	REQUIRED		REQUIRED		REQUIRED
		EXIT STAIRCASES CONNECTS MORE THAN FIVE (5) STOREYS (LEVELS) INCLUDING THE BASEMENTS	REQUIRED		REQUIRED		REQUIRED
	AND/OR WHEN SMOKE STOP &/OR FIRE FIGHTING LOBBIES ARE REQUIRED	REQUIRED		REQUIRED		REQUIRED	
G	AIR-CONDITIONING & VENTILATION SYSTEM	COMPLYING WITH NFPA 90A & NFPA 90B	REQUIRED		REQUIRED		REQUIRED



INDUSTRIAL OCCUPANCY – FACTORY/WORKSHOP

**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

Note:

*This Fire Safety Guide is prepared to determine the minimum required Fire Safety provisions for each Occupancy Type as referenced from General Directorate of Civil Defence (GDCD) adopted National Fire Protection Association (NFPA) Codes & Standards.

For further guidance, the user is referred to the NFPA Codes and Standards and the General Fire Safety Requirements - Guidelines Annexes.

**Occupancy Classification: Unless both the height and area requirements or criteria are met, the next higher classification or category SHALL apply.

®FPR*-FIRE RESISTANCE RATING ®FPR**-FIRE PROTECTION RATING ®ASS-AUTOMATIC SPRINKLER SYSTEM / AUTOMATIC SUPPRESSION SYSTEM ®SS-SMOKE-STOP LOBBY ®FF-FIRE FIGHTING LOBBY

®NP-NOT PERMITTED ®P-PERMITTED ®N/A-NOT APPLICABLE ®R-REQUIRED ®NR-NOT REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

BUILDING REHABILITATION - CHANGE OF USE OR CHANGE OF OCCUPANCY

I		APPLICATIONS	BUILDING REHABILITATION : CHANGE OF USE OR OCCUPANCY FROM RESIDENTIAL DWELLINGS OR VILLAS TO DAY CARE, SCHOOLS AND/OR OFFICES			
II		OCCUPANCY CLASSIFICATION **	BUILDING HEIGHT REQUIREMENTS	NUMBER OF OCCUPANTS OR AREA REQUIREMENTS		
A	VILLAS TO PRESCHOOL	RESIDENTIAL DWELLING OR VILLAS CHANGE TO PRE-SCHOOL (PART DAY-CARE, NURSERY OR KINDERGARTEN) DAY-CARE OR EDUCATIONAL OCCUPANCY	GROUND LEVEL (G) 0-5 Years Old	MAXIMUM 50 PRESCHOOL COMPLYING WITH STUDENT TO STAFF RATIO		
B	VILLAS TO SCHOOL	RESIDENTIAL DWELLING OR VILLAS CHANGE TO SCHOOL - EDUCATIONAL OCCUPANCY	GROUND LEVEL (G) – 6-8 Years Old MAXIMUM 1 FLOOR LEVEL (G+1) – 9 Years Old & OLDER	MAXIMUM 100 OCCUPANTS PER FLOOR LEVEL OR MAXIMUM 4 CLASSROOMS PER FLOOR LEVEL		
C	VILLAS TO OFFICES	RESIDENTIAL DWELLINGS OR VILLAS CHANGE TO OFFICES - BUSINESS OCCUPANCY	MAXIMUM 2 FLOOR LEVELS (G+2)	MAXIMUM 30 OCCUPANTS PER FLOOR LEVEL		
		FIRE SAFETY PROVISIONS	MINIMUM REQUIREMENTS	VILLAS TO PRE-SCHOOL	VILLAS TO PRIMARY	VILLAS TO OFFICES
III		BUILDING AND SITE ACCESS FOR FIRE FIGHTING & RESCUE				
A	SITE ACCESS/ACCESS ROAD	4.0M MIN. CLEAR WIDTH AND 4.5M MIN. CLEAR HEIGHT	REQUIRED	REQUIRED	REQUIRED	
B	FIRE ENGINE HARDSTANDING	HABITABLE HEIGHT EXCEEDS 10M	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED	
C	FIRE COMMAND CENTER	COMPLYING WITH ALL FCC REQUIREMENTS	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED	
D	FIRE LIFT	COMPLYING WITH ALL FIRE LIFT REQUIREMENTS	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED	
IV		MEANS OF EGRESS				
A		MEANS OF EGRESS GENERAL REQUIREMENTS				
1	GUARDS	PROVIDED AT THE OPEN SIDES OF MEANS OF EGRESS 760MM ABOVE THE FLOOR OR FINISHED GROUND LEVEL	REQUIRED	REQUIRED	REQUIRED	
2	IMPEDIMENT TO EGRESS & MEANS OF EGRESS RELIABILITY	CONTINUOUSLY MAINTAINED FREE OF ALL OBSTRUCTION OR IMPEDIMENTS	REQUIRED	REQUIRED	REQUIRED	
3	FURNISHING AND DECORATION	FURNITURES OR MOVABLE OBJECTS, MIRRORS, ETC.	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED	
	ART WORK & TEACHING MATERIALS	COVERAGE NOT TO EXCEED 20% OF THE WALL AREA	REQUIRED	REQUIRED	NOT APPLICABLE	
B		MEANS OF EGRESS COMPONENTS				
1	FIRE DOORS	FPR* FIRE PROTECTION RATING	1-HR FPR*	1-HR FPR*	1-HR FPR*	
	SIDE-HINGE OR PIVOTED-SWINGING TYPE	ANY DOOR ASSEMBLY IN A MEANS OF EGRESS	REQUIRED	REQUIRED	REQUIRED	
		MINIMUM DOOR LEAF WIDTH	810MM	810MM	810MM	



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		BUILDING REHABILITATION : CHANGE OF USE OR OCCUPANCY FROM RESIDENTIAL DWELLINGS OR VILLAS TO DAY CARE, SCHOOLS AND/OR OFFICES							
II	OCCUPANCY CLASSIFICATION **		BUILDING HEIGHT REQUIREMENTS			NUMBER OF OCCUPANTS OR AREA REQUIREMENTS				
A	VILLAS TO PRESCHOOL	RESIDENTIAL DWELLING OR VILLAS CHANGE TO PRE-SCHOOL (PART DAY-CARE, NURSERY OR KINDERGARTEN) DAY-CARE OR EDUCATIONAL OCCUPANCY	GROUND LEVEL (G) 0-5 Years Old			MAXIMUM 50 PRESCHOOL COMPLYING WITH STUDENT TO STAFF RATIO				
B	VILLAS TO SCHOOL	RESIDENTIAL DWELLING OR VILLAS CHANGE TO SCHOOL - EDUCATIONAL OCCUPANCY	GROUND LEVEL (G) – 6-8 Years Old MAXIMUM 1 FLOOR LEVEL (G+1) – 9 Years Old & OLDER			MAXIMUM 100 OCCUPANTS PER FLOOR LEVEL OR MAXIMUM 4 CLASSROOMS PER FLOOR LEVEL				
C	VILLAS TO OFFICES	RESIDENTIAL DWELLINGS OR VILLAS CHANGE TO OFFICES - BUSINESS OCCUPANCY	MAXIMUM 2 FLOOR LEVELS (G+2)			MAXIMUM 30 OCCUPANTS PER FLOOR LEVEL				
	FIRE SAFETY PROVISIONS		MINIMUM REQUIREMENTS		VILLAS TO PRE-SCHOOL		VILLAS TO PRIMARY		VILLAS TO OFFICES	
	OCCUPANT LOAD		NFPA 101 TABLE 7.3.1.2 OCCUPANT LOAD FACTORS	CLASSROOMS	CHILD TO STAFF RATIO APPLIES		1.9 NET M ² /PERSON		NOT APPLICABLE	
				SHOPS & LABORATORIES	CHILD TO STAFF RATIO APPLIES		4.6 NET M ² /PERSON		NOT APPLICABLE	
D	NUMBER OF EXITS									
1	SINGLE EXIT				NOT PERMITTED		NOT PERMITTED		NOT PERMITTED	
2	NOT LESS THAN 2 SEPARATE EXITS		PROVIDED ON EVERY STORY		REQUIRED		REQUIRED		REQUIRED	
			ACCESSIBLE FROM EVERY PART OF EVERY STORY							
E	ARRANGEMENT OF EXITS		(NS*-NOT SPRINKLERED / S**-SPRINKLERED)							
					NS*	S**	NS*	S**	NS*	S**
			NFPA 101 TABLE A.7.6		30M	NA	30M	NA	61M	NA
1	TRAVEL DISTANCE		BETWEEN ANY ROOM DOOR INTENDED AS EXIT ACCESS AND AS AN EXIT		30M	NA	NA	NA	NA	NA
			BETWEEN ANY POINT IN A ROOM TO AN EXIT		46M	NA	NA	NA	NA	NA
			BETWEEN ANY POINT IN CHILDRENS SLEEPING ROOM AND AN EXIT ACCESS DOOR IN THAT ROOM		15M	NA	NA	NA	NA	NA
2	COMMON PATH LIMIT		NFPA 101 TABLE A.7.6		23M	NA	23M	NA	23M	NA
3	DEAD-END CORRIDOR		NFPA 101 TABLE A.7.6		6.1M	NA	6.1M	NA	6.1M	NA
4	ROOM OR SPACES WITH MORE THAN 93M² OR WITH AN OCCUPANT LOAD OF MORE THAN 50 PERSONS		MINIMUM TWO (2) ACCESS DOORS		REQUIRED		REQUIRED		REQUIRED IF OCCUPANT LOAD IS MORE THAN 50 PERSONS	
			REQUIRED DOORS ACCESS TO SEPARATE EXITS							
			DOORS OPEN INTO THE DIRECTION OF EXIT TRAVEL							



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		BUILDING REHABILITATION : CHANGE OF USE OR OCCUPANCY FROM RESIDENTIAL DWELLINGS OR VILLAS TO DAY CARE, SCHOOLS AND/OR OFFICES		
II	OCCUPANCY CLASSIFICATION **		BUILDING HEIGHT REQUIREMENTS	NUMBER OF OCCUPANTS OR AREA REQUIREMENTS	
A	VILLAS TO PRESCHOOL	RESIDENTIAL DWELLING OR VILLAS CHANGE TO PRE-SCHOOL (PART DAY-CARE, NURSERY OR KINDERGARTEN) DAY-CARE OR EDUCATIONAL OCCUPANCY	GROUND LEVEL (G) 0-5 Years Old	MAXIMUM 50 PRESCHOOL COMPLYING WITH STUDENT TO STAFF RATIO	
B	VILLAS TO SCHOOL	RESIDENTIAL DWELLING OR VILLAS CHANGE TO SCHOOL - EDUCATIONAL OCCUPANCY	GROUND LEVEL (G) – 6-8 Years Old MAXIMUM 1 FLOOR LEVEL (G+1) – 9 Years Old & OLDER	MAXIMUM 100 OCCUPANTS PER FLOOR LEVEL OR MAXIMUM 4 CLASSROOMS PER FLOOR LEVEL	
C	VILLAS TO OFFICES	RESIDENTIAL DWELLINGS OR VILLAS CHANGE TO OFFICES - BUSINESS OCCUPANCY	MAXIMUM 2 FLOOR LEVELS (G+2)	MAXIMUM 30 OCCUPANTS PER FLOOR LEVEL	
	FIRE SAFETY PROVISIONS		MINIMUM REQUIREMENTS		
			VILLAS TO PRE-SCHOOL	VILLAS TO PRIMARY	VILLAS TO OFFICES
5	EVERY ROOM NORMALLY SUBJECT TO STUDENT OCCUPANCY	EXIT ACCESS DOORS LEADS DIRECTLY TO AN EXIT ACCESS CORRIDOR OR EXIT	REQUIRED	REQUIRED	NOT APPLICABLE
6	DOORS SWINGING INTO EXIT ACCESS CORRIDOR	ARRANGED TO PREVENT INTERFERENCE WITH CORRIDOR TRAVEL	REQUIRED	REQUIRED	REQUIRED
7	AISLES	MINIMUM AISLE WIDTH	760MM	760MM	NOT APPLICABLE
8	SPACES (AISLE) BETWEEN PARALLEL ROWS OF SEATS	MINIMUM WIDTH 760MM	NOT REQUIRED IF THE NUMBER OF SEATS THAT INTERVENES BETWEEN ANY SEAT AND AN AISLE DOES NOT EXCEED SIX (6)	NOT REQUIRED IF THE NUMBER OF SEATS THAT INTERVENES BETWEEN ANY SEAT AND AN AISLE DOES NOT EXCEED SIX (6)	NOT APPLICABLE
9	EXIT DISCHARGE (DIRECT TO BUILDING EXTERNAL)	COMPLYING WITH NFPA 101	REQUIRED	REQUIRED	REQUIRED
10	ACCESSIBLE MEANS OF EGRESS	EXIT PROVISIONS FOR PEOPLE WITH SEVERE MOBILITY IMPAIRMENT (NOT LESS THAN 2 EXITS REQUIRED)	2 EXIT REQUIRED	2 EXIT REQUIRED	2 EXIT REQUIRED
11	ILLUMINATION OF EXITS / EMERGENCY LIGHTING	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
12	MARKINGS OF MEANS OF EGRESS	COMPLYING WITH CHAPTER 7 NFPA 101	REQUIRED	REQUIRED	REQUIRED
F	SPECIAL MEANS OF EGRESS PROVISIONS				
1	FIREMEN ACCESS PANELS	HABITABLE HEIGHT EXCEEDING 10M	NOT REQUIRED	NOT REQUIRED	REQUIRED
2	WINDOWS FOR RESCUE	ROOMS OR SPACE GREATER THAN 23.2M ² AND NORMALLY SUBJECT TO STUDENT OCCUPANCY	REQUIRED	REQUIRED	NOT APPLICABLE
4	LOCKUPS	DOORS AND PHYSICAL RESTRAINTS TO FREE EGRESS CAN BE READILY RELEASED BY STAFF WITHIN 2 MINUTES OF ONSET OF FIRE OR SIMILAR EMERGENCY	REQUIRED ON DOORS PROVIDED WITH LOCKUPS	REQUIRED ON DOORS PROVIDED WITH LOCKUPS	REQUIRED ON DOORS PROVIDED WITH LOCKUPS



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		BUILDING REHABILITATION : CHANGE OF USE OR OCCUPANCY FROM RESIDENTIAL DWELLINGS OR VILLAS TO DAY CARE, SCHOOLS AND/OR OFFICES		
II	OCCUPANCY CLASSIFICATION **		BUILDING HEIGHT REQUIREMENTS	NUMBER OF OCCUPANTS OR AREA REQUIREMENTS	
A	VILLAS TO PRESCHOOL	RESIDENTIAL DWELLING OR VILLAS CHANGE TO PRE-SCHOOL (PART DAY-CARE, NURSERY OR KINDERGARTEN) DAY-CARE OR EDUCATIONAL OCCUPANCY	GROUND LEVEL (G) 0-5 Years Old	MAXIMUM 50 PRESCHOOL COMPLYING WITH STUDENT TO STAFF RATIO	
B	VILLAS TO SCHOOL	RESIDENTIAL DWELLING OR VILLAS CHANGE TO SCHOOL - EDUCATIONAL OCCUPANCY	GROUND LEVEL (G) – 6-8 Years Old MAXIMUM 1 FLOOR LEVEL (G+1) – 9 Years Old & OLDER	MAXIMUM 100 OCCUPANTS PER FLOOR LEVEL OR MAXIMUM 4 CLASSROOMS PER FLOOR LEVEL	
C	VILLAS TO OFFICES	RESIDENTIAL DWELLINGS OR VILLAS CHANGE TO OFFICES - BUSINESS OCCUPANCY	MAXIMUM 2 FLOOR LEVELS (G+2)	MAXIMUM 30 OCCUPANTS PER FLOOR LEVEL	
	FIRE SAFETY PROVISIONS		MINIMUM REQUIREMENTS		
			VILLAS TO PRE-SCHOOL	VILLAS TO PRIMARY	VILLAS TO OFFICES
V	FEATURES OF FIRE PROTECTION (NFPA 5000 TABLES 7.2.1.1, 7.3.2.1, 7.3.5 (a), (b), 7.3.5.5, 7.4.1)				
A	CONSTRUCTION		COMPLYING WITH CHAPTER 7 & 8 OF NFPA 5000		
1	CONSTRUCTION (NON-COMBUSTIBLE OR LIMITED COMBUSTIBLE MATERIALS)	TYPE I OR TYPE II	EXTERIOR BEARING WALLS	1-HR FRR*-FIRE RESISTANCE RATING OF ALL BUILDING ELEMENTS	1-HR FRR*-FIRE RESISTANCE RATING OF ALL BUILDING ELEMENTS
			FRAMING, COLUMNS, BEAMS, GIRDERS, TRUSSES		
			FLOOR CONSTRUCTION		
B	COMPARTMENTATION / SUBDIVISION OF BUILDING SPACES		COMPLYING WITH NFPA 101 & NFPA 5000		
1	SEPARATION FROM OTHER OCCUPANCIES		COMPLYING WITH NFPA 101 TABLE 6.1.14.4.1 (a), (b)		
1			REQUIRED	REQUIRED	REQUIRED
VI	FIRE PROTECTION				
A	DETECTION ALARM AND COMMUNICATION SYSTEMS				
1	FIRE ALARM SYSTEM		AUTOMATIC AND MANUAL SYSTEM		
			REQUIRED	REQUIRED	REQUIRED
B	EXTINGUISHING REQUIREMENTS		COMPLIANCE FROM INDIVIDUAL CODES & STANDARDS		
1	PORTABLE FIRE EXTINGUISHERS		TYPE AND RATING IN ACCORDANCE WITH NFPA 10		
			REQUIRED THROUGHOUT	REQUIRED THROUGHOUT	REQUIRED THROUGHOUT
2	FIRE BLANKETS		IN KITCHEN OR PANTRY		
			REQUIRED	REQUIRED	REQUIRED
3	STANDPIPE SYSTEM				
			NOT REQUIRED	NOT REQUIRED	NOT REQUIRED
4	FIRE HOSE REELS		25MM DIAMETER HOSE		
			NOT REQUIRED	NOT REQUIRED	NOT REQUIRED
5	AUTOMATIC SPRINKLER SYSTEM		THROUGHOUT PROTECTION		
			NOT REQUIRED	NOT REQUIRED	NOT REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		BUILDING REHABILITATION : CHANGE OF USE OR OCCUPANCY FROM RESIDENTIAL DWELLINGS OR VILLAS TO DAY CARE, SCHOOLS AND/OR OFFICES		
II	OCCUPANCY CLASSIFICATION **		BUILDING HEIGHT REQUIREMENTS	NUMBER OF OCCUPANTS OR AREA REQUIREMENTS	
A	VILLAS TO PRESCHOOL	RESIDENTIAL DWELLING OR VILLAS CHANGE TO PRE-SCHOOL (PART DAY-CARE, NURSERY OR KINDERGARTEN) DAY-CARE OR EDUCATIONAL OCCUPANCY	GROUND LEVEL (G) 0-5 Years Old	MAXIMUM 50 PRESCHOOL COMPLYING WITH STUDENT TO STAFF RATIO	
B	VILLAS TO SCHOOL	RESIDENTIAL DWELLING OR VILLAS CHANGE TO SCHOOL - EDUCATIONAL OCCUPANCY	GROUND LEVEL (G) – 6-8 Years Old MAXIMUM 1 FLOOR LEVEL (G+1) – 9 Years Old & OLDER	MAXIMUM 100 OCCUPANTS PER FLOOR LEVEL OR MAXIMUM 4 CLASSROOMS PER FLOOR LEVEL	
C	VILLAS TO OFFICES	RESIDENTIAL DWELLINGS OR VILLAS CHANGE TO OFFICES - BUSINESS OCCUPANCY	MAXIMUM 2 FLOOR LEVELS (G+2)	MAXIMUM 30 OCCUPANTS PER FLOOR LEVEL	
	FIRE SAFETY PROVISIONS		MINIMUM REQUIREMENTS		
			VILLAS TO PRE-SCHOOL	VILLAS TO PRIMARY	VILLAS TO OFFICES
VII	BUILDING SERVICES PROTECTION (ASS* AUTOMATIC SUPPRESSION SYSTEM)				
A	BUILDING UTILITIES		COMPLYING WITH CHAPTER 9 NFPA 101		
1	ELECTRICAL SYSTEMS		COMPLYING WITH NFPA 70		
1	COOKING EQUIPMENT		EQUIPMENT USED ONLY FOR FOOD WARMING		
B	EMERGENCY POWER SUPPLY SYSTEM/GENERATORS		COMPLYING WITH NFPA 110		
C	SMOKE CONTROL / EMERGENCY VENTILATION		COMPLYING WITH NFPA 92 & NFPA 204		
D	AIR-CONDITIONING & VENTILATION SYSTEM		COMPLYING WITH NFPA 90A & NFPA 90B		
VIII	OPERATING FEATURES				
A	EMERGENCY PLAN				
1	EMERGENCY PLAN REQUIREMENTS	1	PROCEDURES FOR REPORTING OF EMERGENCY		
		2	OCCUPANT AND STAFF RESPONSE TO EMERGENCY		
		3	EVACUATION PROCEDURES APPROPRIATE TO THE OCCUPANCY, EMERGENCIES AND HAZARD		
1	EMERGENCY PLAN REQUIREMENTS (CONTINUED)	4	APPROPRIATENESS OF THE USE OF ELEVATORS		
		5	DESIGN & CONDUCT OF FIRE DRILLS		
		6	TYPE & COVERAGE OF BUILDING FIRE PROTECTION SYSTEM		
		7	OTHER ITEMS THAT ARE NECESSARY IN AN EMERGENCY PLANS AS MAY BE REQUIRED BY QCD		



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		BUILDING REHABILITATION : CHANGE OF USE OR OCCUPANCY FROM RESIDENTIAL DWELLINGS OR VILLAS TO DAY CARE, SCHOOLS AND/OR OFFICES		
II	OCCUPANCY CLASSIFICATION **		BUILDING HEIGHT REQUIREMENTS	NUMBER OF OCCUPANTS OR AREA REQUIREMENTS	
A	VILLAS TO PRESCHOOL	RESIDENTIAL DWELLING OR VILLAS CHANGE TO PRE-SCHOOL (PART DAY-CARE, NURSERY OR KINDERGARTEN) DAY-CARE OR EDUCATIONAL OCCUPANCY	GROUND LEVEL (G) 0-5 Years Old	MAXIMUM 50 PRESCHOOL COMPLYING WITH STUDENT TO STAFF RATIO	
B	VILLAS TO SCHOOL	RESIDENTIAL DWELLING OR VILLAS CHANGE TO SCHOOL - EDUCATIONAL OCCUPANCY	GROUND LEVEL (G) – 6-8 Years Old MAXIMUM 1 FLOOR LEVEL (G+1) – 9 Years Old & OLDER	MAXIMUM 100 OCCUPANTS PER FLOOR LEVEL OR MAXIMUM 4 CLASSROOMS PER FLOOR LEVEL	
C	VILLAS TO OFFICES	RESIDENTIAL DWELLINGS OR VILLAS CHANGE TO OFFICES - BUSINESS OCCUPANCY	MAXIMUM 2 FLOOR LEVELS (G+2)	MAXIMUM 30 OCCUPANTS PER FLOOR LEVEL	
	FIRE SAFETY PROVISIONS		MINIMUM REQUIREMENTS		
			VILLAS TO PRE-SCHOOL		VILLAS TO PRIMARY
B	EMERGENCY EXIT DRILLS				
1	EMERGENCY EGRESS AND RELOCATION DRILLS				
	DRILL FREQUENCY	NOT LESS THAN 1 PER MONTH	REQUIRED	REQUIRED	REQUIRED
		IN SUMMER SEASON OR OTHER SEVERE WEATHER CONDITIONS	PERMITTED TO BE DEFERRED	PERMITTED TO BE DEFERRED	PERMITTED TO BE DEFERRED
		CONDITION	NOT LESS THAN 4 DRILLS CONDUCTED BEFORE THE DRILLS ARE DEFERRED		
2	ORDERLY EVACUATION	EMPHASIS ON ORDERLY EVACUATION RATHER SPEED	REQUIRED	REQUIRED	REQUIRED
3	SIMULATED CONDITIONS	DRILLS HELD AT EXPECTED & UNEXPECTED TIMES	REQUIRED	REQUIRED	REQUIRED
4	RELOCATION AREA		REQUIRED	REQUIRED	REQUIRED
C	INSPECTION				
	DUTY OF THE PRINCIPALS, TEACHER AND STAFF	TO INSPECT ALL EXIT FACILITIES TO ENSURE THAT ALL STAIRWAYS, DOORS & OTHER EXITS ARE IN PROPER CONDITION	DAILY INSPECTION REQUIRED	DAILY INSPECTION REQUIRED	DAILY INSPECTION REQUIRED

Note:

*This Fire Safety Guide is prepared to determine the minimum required Fire Safety provisions for each Occupancy Type as referenced from General Directorate of Civil Defence (GDCC) adopted National Fire Protection Association (NFPA) Codes & Standards.

For further guidance, the user is referred to the NFPA Codes and Standards and the General Fire Safety Requirements - Guidelines Annexes.

**Occupancy Classification: Unless both the height and area requirements or criteria are met, the next higher classification or category SHALL apply.

®FPR*-FIRE RESISTANCE RATING ®FPR**-FIRE PROTECTION RATING ®ASS-AUTOMATIC SPRINKLER SYSTEM / AUTOMATIC SUPPRESSION SYSTEM ®SS-SMOKE-STOP LOBBY ®FF-FIRE FIGHTING LOBBY

®NP-NOT PERMITTED ®P-PERMITTED ®N/A-NOT APPLICABLE ®R-REQUIRED ®NR-NOT REQUIRED



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

PORTABLE CABINS AND TEMPORARY BUILDINGS IN CONSTRUCTION SITES

I APPLICATIONS		A BUILDING OR GROUP OF BUILDINGS REQUIRED IN CONNECTION WITH ANY BUILDING WORKS RELATING TO PERMANENT BUILDINGS DESIGNED TO BE EASILY MOVED FROM LOCATION TO LOCATION THAT MAY BE BROUGHT ON TO SITE OR CONSTRUCTED FOR DEFINED PERIOD OF USE PRIOR TO REMOVAL.			
SITE OFFICES / LABOR ACCOMMODATION / STORES		BUILDING HEIGHT REQUIREMENTS		NUMBER OF OCCUPANTS OR AREA REQUIREMENTS	
A	PORTA-CABINS	PORTABLE CABINS	≤ 7.5M (2-STOREYS)	35M ² /UNIT	
B	TEMPORARY BUILDINGS	LIGHTWEIGHT CONSTRUCTION MADE FROM NON-COMBUSTIBLE, STEEL MATERIALS OR PORTABLE CABINS (STACKED, BACK TO BACK OR END TO END DESIGNS)	≤ 10M (G+2) WITH OPEN-SIDED CORRIDORS ≤ 7.5M (G+1) WITH INTERNAL CORRIDORS	≤500M ² 20M MAX LENGTH OF EACH COMPARTMENT	
C	RESERVED	-	-	-	
FIRE SAFETY PROVISIONS		MINIMUM REQUIREMENTS		PORTA-CABINS	TEMPORARY BUILDINGS
RESERVED		RESERVED		RESERVED	
III SITE ACCESS					
A	SITE ACCESS & ACCESS ROAD	CLEAR WIDTH	4.0M MIN.	4.0M MIN.	-
IV BUILDING SETBACKS					
A	DISTANCE FROM LOT BOUNDARY	3.0 METERS	REQUIRED	REQUIRED	-
B	FIREBREAKS FROM EACH UNIT/STRUCTURES	4.0 METERS	REQUIRED	REQUIRED	-
C	DISTANCE FROM ANY COOKING FACILITIES	5.0 METERS	REQUIRED	REQUIRED	-
	DISTANCE WITHIN 5M	1-HR FRP ENCLOSURE	REQUIRED	REQUIRED	-
V MEANS OF EGRESS (FRR* FIRE RESISTANCE RATING / FPR** FIRE PROTECTION RATING)					
A	COMPONENTS AND CAPACITY OF MEANS OF EGRESS				
1	SWING-TYPE DOORS	MINIMUM CLEAR WIDTH (<5 PERSONS)	750MM	810MM (32IN.)	-
	STAIRS	DOORS FRP (FIRE RESISTANCE PERIOD)	NOT REQUIRED	½-HR FRR*	-
		WALL ENCLOSURES FRP	NOT REQUIRED	1-HR FRR*	-
	STANDARD STAIRS	MINIMUM CLEAR WIDTH	1000MM	1000MM	-
	SPIRAL STAIRS	COMPLYING WITH NFPA 101	PERMITTED	PERMITTED AS SECONDARY EXIT	-
3	CORRIDORS	MIN. CLEAR WIDTH INTERNAL CORRIDORS	1500MM	1500MM	-
		MIN. CLEAR WIDTH OPEN-SIDED CORRIDORS	1000MM	1000MM	-
4	FIREMEN ACCESS PANELS	OPENABLE WINDOWS (0.53 M ²)	510MM X 610MM	510MM X 610MM	-
B	NUMBER OF EXITS				
	SINGLE EXIT	DOOR AS MAIN EXIT/S	REQUIRED	2 SEPARATE EXITS REQUIRED	-
		WINDOW AS SECONDARY EXIT	REQUIRED	REQUIRED	-
	2 EXITS	STAIR/S AS MAIN EXIT/S	REQUIRED	REQUIRED	-



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I	APPLICATIONS		A BUILDING OR GROUP OF BUILDINGS REQUIRED IN CONNECTION WITH ANY BUILDING WORKS RELATING TO PERMANENT BUILDINGS DESIGNED TO BE EASILY MOVED FROM LOCATION TO LOCATION THAT MAY BE BROUGHT ON TO SITE OR CONSTRUCTED FOR DEFINED PERIOD OF USE PRIOR TO REMOVAL.			
	SITE OFFICES / LABOR ACCOMMODATION / STORES					
II	OCCUPANCY CLASSIFICATION**		BUILDING HEIGHT REQUIREMENTS	NUMBER OF OCCUPANTS OR AREA REQUIREMENTS		
A	PORTA-CABINS	PORTABLE CABINS	≤ 7.5M (2-STOREYS)	35M ² /UNIT		
B	TEMPORARY BUILDINGS	LIGHTWEIGHT CONSTRUCTION MADE FROM NON-COMBUSTIBLE, STEEL MATERIALS OR PORTABLE CABINS (STACKED, BACK TO BACK OR END TO END DESIGNS)	≤ 10M (G+2) WITH OPEN-SIDED CORRIDORS ≤ 7.5M (G+1) WITH INTERNAL CORRIDORS	≤500M ² 20M MAX LENGTH OF EACH COMPARTMENT		
C	RESERVED	-	-	-		
	FIRE SAFETY PROVISIONS		MINIMUM REQUIREMENTS	PORTA-CABINS	TEMPORARY BUILDINGS	RESERVED
C	CAPACITY OF MEANS OF EGRESS					
1	OCCUPANT LOAD FACTOR			3 M ² PER PERSON	3 M ² PER PERSON	-
D	ARRANGEMENT OF EXITS					
1	TRAVEL DISTANCE	ESCAPE ROUTE VIA OPEN-SIDED CORRIDORS	9M	45M	-	
		ESCAPE ROUTE VIA INTERNAL CORRIDORS	NO REQUIREMENT	30M	-	
2	COMMON PATH LIMIT	ESCAPE ROUTE VIA OPEN-SIDED CORRIDORS	9M	20M	-	
		ESCAPE ROUTE VIA INTERNAL CORRIDORS	NO REQUIREMENT	15M	-	
3	DEAD-END CORRIDOR		NOT PERMITTED	NOT PERMITTED	-	
4	EXIT DISCHARGE		DIRECT EXIT DISCHARGE TO BUILDING EXTERNAL	REQUIRED	REQUIRED	-
E	ILLUMINATION OF EXITS AND MARKINGS OF THE MEANS OF EGRESS					
1	EXIT LIGHTS		EXITS, EXIT ACCESS & EXIT DISCHARGE	REQUIRED	REQUIRED	-
2	EXIT SIGNS		EXIT ACCESS, EXIT DISCHARGE & EXITS OTHER THAN MAIN EXTERIOR EXIT DOORS,	REQUIRED	REQUIRED	-
VI	BUILDING CONSTRUCTION		PORTA-CABINS			
A	CONSTRUCTION					
1	NON-COMBUSTIBLE OR STEEL MATERIALS			REQUIRED	REQUIRED	-
2	TIMBER MATERIALS	EXTERIOR BEARING WALLS	1-HR FRR*	1-HR FRR*	-	
		FRAMING, COLUMNS, BEAMS, GIRDERS, TRUSSES	1-HR FRR*	1-HR FRR*	-	
		FLOOR CONSTRUCTION	1-HR FRR*	1-HR FRR*	-	
3	BASE SUPPORT		ERECTED ON HARDBASE (CONCRETE)	REQUIRED	REQUIRED	-
B	COMPARTMENTATION					
1	WALLS BETWEEN EACH COMPARTMENT		20M MAX LENGTH OF EACH COMPARTMENT	NOT REQUIRED	1-HR FRR*	-



**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

I APPLICATIONS		A BUILDING OR GROUP OF BUILDINGS REQUIRED IN CONNECTION WITH ANY BUILDING WORKS RELATING TO PERMANENT BUILDINGS DESIGNED TO BE EASILY MOVED FROM LOCATION TO LOCATION THAT MAY BE BROUGHT ON TO SITE OR CONSTRUCTED FOR DEFINED PERIOD OF USE PRIOR TO REMOVAL.				
SITE OFFICES / LABOR ACCOMMODATION / STORES		BUILDING HEIGHT REQUIREMENTS		NUMBER OF OCCUPANTS OR AREA REQUIREMENTS		
II OCCUPANCY CLASSIFICATION**						
A PORTA-CABINS	PORTABLE CABINS	≤ 7.5M (2-STOREYS)		35M ² /UNIT		
B TEMPORARY BUILDINGS	LIGHTWEIGHT CONSTRUCTION MADE FROM NON-COMBUSTIBLE, STEEL MATERIALS OR PORTABLE CABINS (STACKED, BACK TO BACK OR END TO END DESIGNS)	≤ 10M (G+2) WITH OPEN-SIDED CORRIDORS ≤ 7.5M (G+1) WITH INTERNAL CORRIDORS		≤500M ² 20M MAX LENGTH OF EACH COMPARTMENT		
C RESERVED	-	-		-		
FIRE SAFETY PROVISIONS		MINIMUM REQUIREMENTS		PORTA-CABINS	TEMPORARY BUILDINGS	RESERVED
2	WALLS BETWEEN UNITS	WITHIN EACH COMPARTMENT	NOT REQUIRED	NOT REQUIRED	-	-
3	EXIT ACCESS CORRIDORS	INTERNAL CORRIDORS	½-HR FRR*	½-HR FRR*	-	-
		OPEN-SIDED CORRIDORS	NOT REQUIRED	NOT REQUIRED	-	-
		FIRE DOORS (INTERNAL CORRIDORS)	NOT REQUIRED	½-HR FRR*	-	-
VII	FIRE PROTECTION					
A	DETECTION ALARM AND COMMUNICATION SYSTEMS					
1	FIRE ALARM SYSTEM	STAND ALONE DETECTORS (SMOKE ALARMS WIRED AND/OR BATTERY OPERATED)	PERMITTED	PERMITTED	-	-
		MANUAL CALL POINT	REQUIRED	REQUIRED	-	-
B	EXTINGUISHING REQUIREMENTS					
1	PORTABLE FIRE EXTINGUISHERS	AT ENTRANCE IN EVERY UNIT	REQUIRED	REQUIRED	-	-
		NEXT TO EVERY STAIRCASE AT EACH FLOOR	REQUIRED	REQUIRED	-	-
2	FIRE HOSE REELS	25MM DIAMETER HOSE	NOT REQUIRED	REQUIRED	-	-
5	FIRE HYDRANTS	TEMPORARY BUILDINGS >100M AWAY FROM PUBLIC ROAD	NOT REQUIRED	NOT REQUIRED	-	-
C	AIR-CONDITIONING & MECHANICAL VENTILATION					
1	ALL HABITABLE ROOMS	NATURAL OR MECHANICAL VENTILATION	REQUIRED	REQUIRED	-	-
		OPENINGS FOR AIR-CIRCULATION	REQUIRED	REQUIRED	-	-



TEMPORARY BUILDINGS IN CONSTRUCTION SITES

**FIRE PREVENTION DEPARTMENT
GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR**

BUILDING PLAN - FIRE SAFETY GUIDE

Note:

*This Fire Safety Guide is prepared to determine the minimum required Fire Safety provisions for each Occupancy Type as referenced from General Directorate of Civil Defence (GDCC) adopted National Fire Protection Association (NFPA) Codes & Standards.

For further guidance, the user is referred to the NFPA Codes and Standards and the General Fire Safety Requirements - Guidelines Annexes.

**Occupancy Classification: Unless both the height and area requirements or criteria are met, the next higher classification or category SHALL apply.

®FPR*-FIRE RESISTANCE RATING ®FPR***-FIRE PROTECTION RATING ®ASS-AUTOMATIC SPRINKLER SYSTEM / AUTOMATIC SUPPRESSION SYSTEM ®SS-SMOKE-STOP LOBBY ®FF-FIRE FIGHTING LOBBY

®NP-NOT PERMITTED ®P-PERMITTED ®N/A-NOT APPLICABLE ®R-REQUIRED ®NR-NOT REQUIRED