



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

BUILDING PLAN - FIRE SAFETY GUIDE

RESIDENTIAL HOTEL BUILDINGS

I APPLICATIONS		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 SUITES/FLOOR)		
B	MEDIUM-RISE HOTEL BUILDINGS	> 15M TO ≤ 28M	UNLIMITED AREA		
C	HIGH-RISE HOTEL BUILDINGS	> 28M	UNLIMITED AREA		
III BUILDING AND SITE ACCESS FOR FIRE FIGHTING & RESCUE					
FIRE SAFETY PROVISIONS		MINIMUM REQUIREMENTS			
		LOW-RISE HOTEL	MEDIUM-RISE HOTEL	HIGH RISE HOTEL	
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	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 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	REQUIRED	REQUIRED	REQUIRED
		9M ² MINIMUM AREA (LEAST DIMENSION 2.5M)			
		AT LEAST WITH 1M CLEARANCE FROM ALL EQUIPMENT			
		1-HOURS ENCLOSURES (WALLS, OPENINGS & PENETRATIONS)	PERMITTED	NOT PERMITTED	NOT PERMITTED
		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					
E	FIRE LIFT	BUILDINGS EQUAL OR MORE THAN 28M HIGH ABOVE ENGINE ACCESS LEVEL OR EXCEEDING 9M BELOW THE LEVEL OF EXIT DISCHARGE	NOT REQUIRED	REQUIRED IF EXCEEDS 9M BELOW THE LEVEL OF EXIT DISCHARGE	REQUIRED
		SERVES ALL HABITABLE FLOORS			



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E	FIRE LIFT (CONTINUED)	CONTAINED WITHIN A DEDICATED PROTECTED SHAFT OR A COMMON PROTECTED SHAFT CONTAINING OTHER LIFTS SUBJECT TO SUCH OTHER LIFTS ARE SERVED AT EACH STOREY BY A FIRE FIGHTING LOBBY	NOT REQUIRED	REQUIRED IF EXCEEDS 9M BELOW THE LEVEL OF EXIT DISCHARGE	REQUIRED
		APPROACHED BY FIRE FIGHTING LOBBY AT EACH STOREY			
		ADJACENT AND ACCESSIBLE TO AN EXIT STAIRCASE			
		MIN. REQD. NOS: REFER TO NFPA 5000 C.54 2012 Ed.			
IV	MEANS OF EGRESS		FRP* (FIRE RESISTANCE PERIOD)		
A	MEANS OF EGRESS GENERAL REQUIREMENTS		LOW-RISE HOTEL	MEDIUM-RISE HOTEL	HIGH RISE HOTEL
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 FRP*	1-HR FRP*	1-HR FRP*
	EXITS	CONNECTS 3 OR FEWER STORIES	1-HR FRP*	1-HR FRP*	1-HR FRP*
		CONNECTS 4 OR MORE STORIES	2-HRS FRP*	2-HRS FRP*	2-HRS FRP*
	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	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		LOW-RISE HOTEL	MEDIUM-RISE HOTEL	HIGH RISE HOTEL
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
	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



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	SPIRAL STAIRS	COMPLYING WITH CHAPTER 7 NFPA 101	PERMITTED ONLY WITHIN GUEST SUITE	PERMITTED ONLY WITHIN GUEST SUITE	PERMITTED ONLY WITHIN GUEST SUITE
	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
		ALL INSIDE STAIR SERVING AS AN EXIT COMPONENT	REQUIRED	REQUIRED	REQUIRED
	ENCLOSURES	DOORS FRP* ≤3 STOREYS / ≥3 STOREYS	1-HR /1.5-HR FRP*	1-HR /1.5-HR FRP*	1-HR FRP* / 2-HRS FRP*
		ENCLOSURES FRP* ≤3 STOREYS / ≥3 STOREYS	1-HR FRP* / 2-HRS FRP*	1-HR FRP* / 2-HRS FRP*	1-HR FRP* / 2-HRS FRP*
	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 FRP*	1-HR FRP*	1-HR FRP*
	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	RAMP	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 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	VENTILATORS OPENINGS ON OPPOSING WALLS -EACH OPENING IS AT LEAST 10% OF ONE SIDE OF THE WALL ENCLOSING THE ROOF ACCESS ON THE ROOF LEVEL.	REQUIRED	NOT APPLICABLE	NOT APPLICABLE
		STAIR ACCESS TO ROOF WITH OPERABLE DOORS	REQUIRED	REQUIRED	REQUIRED
5	SMOKE PROOF ENCLOSURES	FRP* (FIRE RESISTANCE PERIOD)			
	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	NOT REQUIRED	IN EVERY PROVISIONS OF FIRE LIFT	REQUIRED
		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			
		PROVISIONS AT THE LEVEL OF EXIT DISCHARGE			



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	S/S & F/F LOBBY DOORS & WALL ENCLOSURES	1.5-HR FRP* FIRE RESISTANCE PERIOD	NOT APPLICABLE	NOT APPLICABLE	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	NOT APPLICABLE	REQUIRED ON ALL FLOOR LEVELS IF BASEMENT LEVEL EXCEEDS 9M	REQUIRED
		BUILDING EXCEEDS FIVE (5) STOREYS INCLUDING BASEMENTS & BELONGS TO AN ASSEMBLY OCCUPANCY 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 REQUIREMENTS
	S/S & F/F LOBBY DOORS & WALL ENCLOSURES	1.5-HR FRP* FIRE RESISTANCE PERIOD	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 1-HR FRP*	REQUIRED 1-HR FRP*	REQUIRED 1-HR FRP*
		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		LOW-RISE HOTEL	MEDIUM-RISE HOTEL	HIGH RISE HOTEL
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
2	EGRESS CAPACITY	NFPA 101 TABLE 7.3.3.1 CAPACITY FACTORS	REQUIRED	REQUIRED	REQUIRED
D	NUMBER OF EXITS		LOW-RISE HOTEL	MEDIUM-RISE HOTEL	HIGH RISE HOTEL
1	SINGLE EXIT	SERVING ALL FLOOR LEVELS	PERMITTED COMPLYING WITH ALL SINGLE EXIT CONDITIONS*	NOT PERMITTED	NOT PERMITTED
		IN MEZZANINES WITH EXIT TRAVEL WITHIN COMMON PATH LIMIT	PERMITTED	PERMITTED	PERMITTED
		IN ANY SECTION 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 AND SERVES A MAXIMUM OF 2 UNITS BOTH OF WHICH ARE LOCATED ON THE SAME FLOOR LEVEL	PERMITTED	NOT APPLICABLE	NOT APPLICABLE



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1	SINGLE EXIT (CONTINUED)	ROOMS/SUITES 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		NOT APPLICABLE		NOT APPLICABLE		
	CONDITIONS* PERMITTING SINGLE EXIT PROVISIONS (REQUIRES COMPLIANCE TO ALL STATED CONDITIONS)	1	THERE ARE 4 OR FEWER GUESTS SUITES PER STOREY	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 FRP	REQUIRED		NOT APPLICABLE		NOT APPLICABLE	
		6	ALL CORRIDORS SERVING AS ACCESS TO EXITS HAVE A MINIMUM OF 1-HOUR FRP	REQUIRED		NOT APPLICABLE		NOT APPLICABLE	
		7	HORIZONTAL AND VERTICAL SEPARATION OF 0.5-HR FRP IS PROVIDED BETWEEN GUEST ROOMS/SUITES	REQUIRED		NOT APPLICABLE		NOT APPLICABLE	
		8	WITH ROOF ACCESS AND PROVIDED WITH VENTILATORS OPENINGS ON OPPOSING WALLS	REQUIRED		NOT APPLICABLE		NOT APPLICABLE	
		9	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		
		MORE THAN 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) NFPA 101 TABLE A.7.6	LOW-RISE HOTEL		MEDIUM-RISE HOTEL		HIGH RISE HOTEL		
			NS*	S**	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	
4	EXIT DISCHARGE								
	EXTERIOR DISCHARGE (DIRECT TO BUILDING EXTERNAL)	COMPLYING WITH NFPA 101	REQUIRED		REQUIRED		REQUIRED		



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	DISCHARGE THROUGH AREAS ON LEVEL OF EXIT DISCHARGE		MAXIMUM 30M TRAVEL DISTANCE TO BUILDING EXTERNAL	PERMITTED	PERMITTED	PERMITTED
			50% OF REQUIRED NUMBER OF EXITS & 50% OF 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			LOW-RISE HOTEL	MEDIUM-RISE HOTEL	HIGH RISE HOTEL
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	LOW-RISE HOTEL	MEDIUM-RISE HOTEL	HIGH RISE HOTEL
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
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	LOW-RISE HOTEL	MEDIUM-RISE HOTEL	HIGH RISE HOTEL
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	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
	SEPARATION BETWEEN GUEST ROOM/SUITES		SPRINKLERED	0.5-HR FRP*	0.5-HR FRP*	0.5-HR FRP*
2	SEPARATION FROM OTHER OCCUPANCIES		COMPLYING WITH 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 FRP*	0.5-HR FRP*	0.5-HR FRP*
	DOORS		OPENING ONTO EXIT ACCESS CORRIDORS	20-MIN FRP	20-MIN FRP	20-MIN FRP
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



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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
	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 GUEST SUITE	SEPARATION AND PROTECTION REQUIRED	1-HR FRP AND SPRINKLERS	1-HR FRP AND SPRINKLERS	1-HR FRP AND SPRINKLERS
2	EMPLOYEE LOCKER ROOMS	SEPARATION AND PROTECTION REQUIRED	1-HR FRP OR SPRINKLERS	1-HR FRP OR SPRINKLERS	1-HR FRP OR SPRINKLERS
3	GIFT OR RETAIL SHOPS	SEPARATION AND PROTECTION REQUIRED	1-HR FRP OR SPRINKLERS	1-HR FRP OR SPRINKLERS	1-HR FRP OR SPRINKLERS
4	BULK LAUNDRIES	SEPARATION AND PROTECTION REQUIRED	1-HR FRP AND SPRINKLERS	1-HR FRP AND SPRINKLERS	1-HR FRP AND SPRINKLERS
5	GUEST LAUNDRIES	≤9.3M ² OUTSIDE OF GUEST ROOMS OR GUEST SUITES	1-HR FRP OR SPRINKLERS	1-HR FRP OR SPRINKLERS	1-HR FRP OR SPRINKLERS
		>9.3M ² OUTSIDE OF GUEST ROOMS OR GUEST SUITES	1-HR FRP AND SPRINKLERS	1-HR FRP AND SPRINKLERS	1-HR FRP AND SPRINKLERS
6	MAINTENANCE SHOPS	SEPARATION AND PROTECTION REQUIRED	1-HR FRP AND SPRINKLERS	1-HR FRP AND SPRINKLERS	1-HR FRP AND SPRINKLERS
7	STORAGE ROOMS	SEPARATION AND PROTECTION REQUIRED	1-HR FRP OR SPRINKLERS	1-HR FRP OR SPRINKLERS	1-HR FRP OR SPRINKLERS
8	TRASH COLLECTION ROOMS	SEPARATION AND PROTECTION REQUIRED	1-HR FRP AND SPRINKLERS	1-HR FRP AND SPRINKLERS	1-HR FRP AND SPRINKLERS
VII	FIRE PROTECTION				
A	DETECTION ALARM AND COMMUNICATION SYSTEMS		LOW-RISE HOTEL	MEDIUM-RISE HOTEL	HIGH RISE HOTEL
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
		GUEST ROOMS/SUITES WITH COMMUNICATING ATTACHED GARAGE THAT ARE MECHANICALLY VENTILATED	NOT REQUIRED	NOT REQUIRED	NOT 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



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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/SUITES HAVING A DOOR OPENING DIRECTLY OUTSIDE AT THE STREET LEVEL	PERMITTED	NOT APPLICABLE	NOT APPLICABLE
		WITH GUEST ROOMS/SUITES HAVING AN EXTERIOR ACCESS COMPLYING WITH CHAPTER 7 OF NFPA 101	PERMITTED	NOT APPLICABLE	NOT APPLICABLE
		PROVIDED IN LIEU OF THE REQUIRED DRAFTSTOPS IN CONCEALED SPACES	PERMITTED	PERMITTED	PERMITTED
		ONE BASEMENT LEVEL USED AS CARPARK ONLY	NOT REQUIRED	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 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	LOW-RISE HOTEL	MEDIUM-RISE HOTEL	HIGH RISE HOTEL
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 ROOMS	AUTOMATIC SUPPRESSION SYSTEM or 2-HRS ENCLOSURE	REQUIRED	REQUIRED	REQUIRED
	SUBSTATIONS & SWITCHGEARS	ATTACHED TO OCCUPIED BUILDINGS REQUIRED PROTECTION	3-HRS FRP* or ASS*	3-HRS FRP* or ASS*	3-HRS FRP* or ASS*
		STAND ALONE TRANSFORMER VAULT REQUIRED PROTECTION	3-HRS FRP* or 2-HRS with ASS	3-HRS FRP* or 2-HRS with ASS	3-HRS FRP* or 2-HRS with ASS
		EXPLOSION PROTECTION	ASS* & 2-HRS ENCLOSURE	ASS* & 2-HRS ENCLOSURE	ASS* & 2-HRS ENCLOSURE
3	COMMERCIAL COOKING EQUIPMENT	COMPLYING WITH NFPA 96	REQUIRED WHEN PROVIDED	REQUIRED	REQUIRED
	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	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 FRP*	1-HR FRP*	1-HR FRP*
		TRAVERSES MORE THAN 3 STOREYS	2-HRS FRP*	2-HRS FRP*	2-HRS FRP*
	OPENING PROTECTIVE	TRAVERSES EQUAL OR LESS THAN 3 STOREYS	1-HR FRP*	1-HR FRP*	1-HR FRP*
		TRAVERSES MORE THAN 3 STOREYS	1.5-HR FRP*	1.5-HR FRP*	1.5-HR FRP*
C	EMERGENCY POWER SUPPLY SYSTEM		LOW-RISE HOTEL	MEDIUM-RISE HOTEL	HIGH RISE HOTEL
		COMPLYING WITH NFPA 110	NOT REQUIRED	REQUIRED	REQUIRED
1	GENERATORS	ENCLOSURE	NOT REQUIRED	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 FRP*	1-HR FRP*	1-HR FRP*



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1	ENCLOSURES (CONTINUED)	WITHIN 15.3M OR ATTACHED TO BUILDINGS	2-HRS FRP*	2-HRS FRP*	2-HRS FRP*
		THROUGHOUT SPRINKLER (BUILDING/S & PUMP ROOM)	1-HR FRP*	1-HR FRP*	1-HR FRP*
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
	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 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

Note: This Fire Safety Guide is prepared to determine the minimum required Fire Safety provisions for each Occupancy Type as referenced from QCD's adopted National Fire Protection Association (NFPA) Codes & Standards and the Qatar Fire Safety Standards (QFSS).

For further guidance, the user is referred to the NFPA Codes and Standards.