

PROJECT DESCRIPTION		FIRE SAFETY PROVISIONS		OCCUPANT LOAD CALCULATION							FIRE PREVENTION DEPARTMENT GENERAL DIRETORATE OF CIVIL DEFENCE MINISTRY OF INTERIOR, STATE OF QATAR																																																																																																																																																																																																																																																																																							
<p>GENERAL: THE PROPOSED PROJECT IS AN OFFICE AND COMMERCIAL DEVELOPMENT PROJECT LOCATED IN AL-SADD AREA.</p> <p>NUMBER OF STOREYS: THE BUILDING COMPRISES OF THREE (3) BASEMENTS, GROUND FLOOR, MEZZANINE FLOOR, FIRST FLOOR AND SIX (6) UPPER FLOORS.</p> <p>DESCRIPTION OF EACH LEVELS:</p> <ul style="list-style-type: none">THIRD BASEMENT LEVEL - CAR PARKING, FIRE WATER TANKS & PUMP ROOM, STORAGES,SECOND BASEMENT LEVEL - CAR PARKING, GENERATOR ROOM, STORAGES.FIRST BASEMENT LEVEL - CAR PARKING, ELECTRICAL SUBSTATION, STORAGES.GROUND FLOOR LEVEL - RETAIL STORES (MERCANTILE OCCUPANCY), SERVICE ROOMS,MEZZANINE FLOOR LEVEL - RETAIL STORES (MERCANTILE OCCUPANCY), SERVICE ROOMSFIRST FLOOR LEVEL - RESTAURANTS & FOOD COURT (ASSEMBLY OCCUPANCY), SERVICE ROOMS, AND OFFICES (BUSINESS OCCUPANCY)SECOND FLOOR TO SEVENTH FLOOR - OFFICES (BUSINESS OCCUPANCY)ROOF FLOOR - MEP SERVICES ROOM, MECHANICAL ROOM, MACHINE ROOMS. <p>BUILDING HEIGHT: THE BUILDING HAS AN HABITABLE HEIGHT OF 39.50 METERS, HENCE SHALL BE CONSIDERED A HIGH-RISE BUILDING</p>		<p>FIRE FIGHTING SYSTEM</p> <p>AUTOMATIC SPRINKLER SYSTEM COVERAGE: <input checked="" type="checkbox"/> THROUGHOUT <input type="checkbox"/> PARTIAL PROTECTION; SPECIFY AREAS PROTECTED: _____ <input type="checkbox"/> NON-SPRINKLER PROTECTED</p> <p>MANUAL FIRE FIGHTING SYSTEM <input checked="" type="checkbox"/> FIRE HOSE REELS 1 in (25mm) (INDICATE LOCATION ON PLANS) <input checked="" type="checkbox"/> PORTABLE FIRE EXTINGUISHERS;</p> <p>RIISING MAINS (STANDPIPE SYSTEM) <input checked="" type="checkbox"/> WET <input type="checkbox"/> DRY</p> <p>FIRE WATER TANK <input checked="" type="checkbox"/> REINFORCED CONCRETE <input type="checkbox"/> STEEL <input type="checkbox"/> OTHER, SPECIFY (NON-COMBUSTIBLE): _____</p> <p>BREECHING INLET (FIRE DEPARTMENT CONNECTION) <input checked="" type="checkbox"/> YES <input type="checkbox"/> N/A (INDICATE LOCATION ON PLAN)</p> <p>OTHER AUTOMATIC SUPPRESSION SYSTEM TYPE APPLICATION/ AREAS PROTECTED <input type="checkbox"/> WATER SPRAY SYSTEM _____ <input type="checkbox"/> WATER MIST SYSTEM _____ <input checked="" type="checkbox"/> CLEAN AGENT SUPPRESSION SYSTEM GEN. MV. HV, TEL ROOMS <input type="checkbox"/> FOAM SYSTEM _____ <input type="checkbox"/> DRY CHEMICAL SYSTEM HV, MV, MECH, BMS ROOM, PARKING <input type="checkbox"/> WET CHEMICAL SYSTEM COMML KITCHENS <input checked="" type="checkbox"/> KITCHEN RANGE HOOD EXTINGUISHING SYSTEM COMML KITCHENS <input type="checkbox"/> OTHER, SPECIFY: _____ (CHECK PROVISIONS & SPECIFY LOCATIONS PROTECTED)</p> <p>FIRE ALARM SYSTEM <input checked="" type="checkbox"/> AUTOMATIC DETECTION AND ALARM <input checked="" type="checkbox"/> MANUAL <input checked="" type="checkbox"/> SMOKE ALARMS <input type="checkbox"/> WIRED <input type="checkbox"/> BATTERY OPERATED <input checked="" type="checkbox"/> EMERGENCY COMMUNICATION SYSTEM MAIN PANEL SUB-PANEL LOCATION: SPECIFY LOCATION: _____ <input checked="" type="checkbox"/> COMMAND CENTER <input type="checkbox"/> GUARD/ SECURITY ROOM <input checked="" type="checkbox"/> OTHER, SPECIFY: EVERY FLOOR NEAR STAIRCASE</p> <p>EMERGENCY LIGHTING LOCATION ILLUMINATION REQUIREMENT <input checked="" type="checkbox"/> EXIT 10.8 LX <input checked="" type="checkbox"/> EXIT ACCESS 108 LX <input checked="" type="checkbox"/> EXIT DISCHARGE 1 FC ALONG WALKING SURFACE</p> <p>AIR CONDITIONING , VENTILATION & SMOKE CONTROL SYSTEM POSITIVE PRESSURE VENTILATION SYSTEM <input checked="" type="checkbox"/> STAIRWELL <input checked="" type="checkbox"/> SMOKE-STOP LOBBY <input checked="" type="checkbox"/> FIRE FIGHTING LOBBY <input type="checkbox"/> FIRE LIFT SHAFT <input type="checkbox"/> ESCAPE CORRIDOR <input type="checkbox"/> OTHERS, SPECIFY: _____ SMOKE AND HEAT EXHAUST VENTILATION SYSTEM (SHEVS) <input checked="" type="checkbox"/> NATURAL <input checked="" type="checkbox"/> MECHANICAL APPLICATION: <input checked="" type="checkbox"/> BASEMENT CAR PARK <input type="checkbox"/> WAREHOUSE AND / OR STORAGE <input checked="" type="checkbox"/> ATRIUM <input checked="" type="checkbox"/> FIRE PUMP ROOM <input type="checkbox"/> OTHERS, SPECIFY: _____ OTHER MODE OF VENTILATION <input checked="" type="checkbox"/> NATURAL THRU AIR/ SMOKE SHAFTS <input type="checkbox"/> NATURAL THRU EXTERIOR WALL OPENINGS <input type="checkbox"/> OTHERS, SPECIFY: _____</p> <p>EMERGENCY POWER SUPPLY SYSTEM <input checked="" type="checkbox"/> DIESEL-ENGINE GENERATOR SET <input type="checkbox"/> OTHERS SPECIFY: _____</p> <p>GAS INSTALLATION (SPECIFY TYPE) _____ COVERAGE TANK LOCATION: <input checked="" type="checkbox"/> CENTRALIZED <input type="checkbox"/> ABOVE GROUND <input type="checkbox"/> LOCAL <input checked="" type="checkbox"/> UNDERGROUND TANK CAPACITY: <input type="checkbox"/> MOUNDED <input type="checkbox"/> OTHERS: (SPECIFY) _____ TANK TYPE AND MAKE: <input type="checkbox"/> CYLINDER <input checked="" type="checkbox"/> 2 no. - 2,000 GAL LPG CONTAINER <input type="checkbox"/> OTHERS: (SPECIFY) _____ FIRE PROTECTION: <input checked="" type="checkbox"/> ACTIVE <input checked="" type="checkbox"/> PASSIVE <input checked="" type="checkbox"/> AUTOMATIC SUPPRESSION SYSTEM (PROVIDE DETAILS OF MINIMUM CONSTRUCTION AND INSTALLATION REQUIREMENTS - SAFE DISTANCES, RATED ENCLOSURES, ETC.) <input type="checkbox"/> NO ACTIVE FIRE PROTECTION (PROVIDE WITH FIRE SAFETY ANALYSIS)</p> <p>OTHER FIRE SAFETY PROVISIONS XXXXX</p> <p>REQUIRED SUBMISSION AFTER BP APPROVAL <input checked="" type="checkbox"/> FIRE FIGHTING (FF) <input checked="" type="checkbox"/> FIRE ALARM (FA) <input checked="" type="checkbox"/> AIR CONDITIONING, VENTILATION AND SMOKE CONTROL SYSTEM <input checked="" type="checkbox"/> GAS INSTALLATION</p>		<table><thead><tr><th>FLOOR LEVEL/ SPACE USE</th><th>OCCUPANCY/ USE</th><th>FLOOR AREA (SQ. 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