HAZMAT / HIGH and ORDINARY HAZARD OCCUPANCIES		HAZARDOUS MATERIA	LS COMPATIBILITY TABLE		GENERAL FIRE AND LIFE SAFETY NOTES	FIRE PREVENTION DEPARTMENT	
PROJECT DESCRIPTION	UN CLASSES OF HAZARD MATERIALS					1.0. All fire safety works on this Life Safety Plan (LSP) are in accordance with QCD Technical Requirements Guide 2022.	GENERAL DIRECTORATE OF CIVIL DEFENCE MINISTRY OF INTERIOR, STATE OF QATAR
MINIMUM REQUIRED INFORMATION:	2 3 4				8 9	1.2 In the event of conflict in concerning any provision/s stated under the QCD Technical Requirement Guide 2022 and NFPA, such provision/s stated in QCD Technical Requirements	
(1) Brief Summary and/or Background of the Project/s (in New and Modification Projects).		♦	(N)			Guide 2022 shall take precedence. 1.3 Any fire safety provisions or requirements not specifically addressed in the QCD	
(2) History of Submission or Approval with the series of revisions (in New or Modification Projects submitted in the same BPS-Baladiya Permit System application reference numbers).	CHEMICAL CLASS [2.1] Flammable gases [2.2] Non fla	ammable gases [5.1][2.2] Oxidizing gas [2.3]Toxic gases [3] Flammable liquids [4	Flammable solids [4.2] Spontaneously combustible [4.3] Dangerous when wet [5.	.1] Oxidizing agent [5.2] Organic peroxide [6.1] Toxic [8] Oxidizing agent	Corrosive [9] Miscellaneous	Technical Requirements Guide 2022, the applicable codes and standards of National Fire Protection Association (NFPA) Shall be utilized as the principal standard reference/s.	
(3) Description of any Rehabilitation Works (in Modification Projects).	DAVINE SCI.	TOXIC		ORDINGE STORY OF STOR	RROSIVE 8	1.4 In the adoption of requirements from other International fire safety engineering codes/standards, endorsing consultant, shall seek concurrence from the office of the Fire	
(4) Details of the Processes or Hazard of Operation in case of Industrial Occupancies (in New and	[2.1] Flammable gases	B S1 S1 S2	S2 S4 S5	S2 S4 S1	S1 C	Prevention Department under the General Directorate of Civil Defense (GDCD) prior to implementation of such undertaking.	
Modification Projects).	[2.2] Non flammable gases					2.0. The occupancy of a building or structure, or portion of a building or structure, shall be classified in accordance with the QCD Technical Requirements Guide 2022. Occupancy classification shall be	
(5) The Type of Goods/Chemical Products (raw/finished products or materials) to be stored and its Method of Storage in case of Storage Occupancy Buildings (in New and Modification Projects).	2 (5.1)[2.2] Oxidating gas	A B S1 S2	S2 S4 S5	B S4 B	S1 C	subject to the ruling of QCD where there is a question of proper classification in any individual case. 3.0. The hazard of contents of any building or structure shall be based on life safety and shall be classified as low, ordinary, or high in accordance with the QCD Technical Requirements Guide	
	S1	B A S1 S2	S2 S4 S5	S2 S4 C	S1 C	2022. 3.1 Where different degree of hazard of contents exist in different parts of the building or	
	(2.3)Truck gases TOXIC S1 GAS	S1 S1 A S2	S2 S4 S5	S2 S4 C	S1 C	structure, the most hazardous shall govern the classification, unless hazardous areas are separated or protected in accordance with the QCD Technical Requirements Guide 2022.	
	3 S2	S2 S2 S2 A	S2 S4 S5	S2 S4 S3	S2 B	4.0. The hazard of contents shall be classified by the registered design professional (RDP) or owner subject for review and approval of QCD on the basis of the character of the contents and	
	[4.1] Flammable solids					the processes or operations conducted in the building or structure. 5.0. Means of egress in buildings shall comply with the QCD Technical Requirements Guide	
	14.7) Scommon combatible	S2 S2 S2 S2	A \$4 \$5	\$2 \$4 \$3	S2 B	2022. 6.0. The storage, use and handling of hazardous materials or where high hazard contents are	APPROVING AUTHORITY
	4 3	S4 S4 S4 S4	S4 A S5	S4 S4 S4	S2 B	stored, used or handled shall comply with the QCD Technical Requirements Guide 2022 and NFPA 5000, Chapter 34 in addition to other applicable requirements in the NFPA 5000 Code.	REF/PS NO.
	14.3) Dangerrous when wet	S5 S5 S5 S5	S5 S5 A	S5 S5 S5	S5 S5	6.1. Storage of all hazardous materials shall only be located in the level of exit discharge or ground floor level.	CONSULTANT'S ENDORSEMENT
	[5.1] Oxidizing agent	B S2 S2 S2	S2 S4 S5	A S4 C	S3 C	7.0. Where the contents are classified as high hazard, exits shall be provided and arranged to allow all occupants to escape from the building or structure, or from the hazardous area thereof, to the outside or to a place of safety with a travel distance of not more than the distance given in	I,, AN (ARCHITECT/LIFE SAFETY SPECIALIST/FIRE PROTECTION ENGINEER) WITH UPDA/QCD REGISTRATION NO,
	5 (5.2) Organic percoide					NFPA 5000 Chapter 34. 8.0. Special Means of Egress Provisions for Occupancies with High Hazard Contents.	BEING THE CONSULTANT, HEREBY CERTIFY THAT THE FIRE SAFETY WORKS SHOWN ON THIS LIFE SAFETY PLAN (LSP) ARE IN ACCORDANCE WITH THE
	Consider S4	S4 S4 S4 S4	\$4 \$4 \$55	S4 A S4	S4 S4	8.1 Egress capacity for high hazard contents areas shall be based on 0.7 in./person (18 mm/person) for stairs or 0.4 in./person (10 mm/ person) for level components and ramps.	GENERAL DIRECTORATE OF CIVIL DEFENSE (GDCD) - QCD TECHNICAL REQUIREMENTS GUIDE 2022.
	6 TOXIC S1	B C C S3	S3 S4 S5	C S4 A	В В	8.2 Not less than two means of egress shall be provided from each building or hazardous area thereof, unless rooms or spaces do not exceed 18.6 m², have an occupant load not	FURTHER, I HEREBY CERTIFY THAT I AM FULLY AWARE ON THE APPROVAL OF FIRE SAFETY ENGINEERING PLANS AND DO NOT RELIEVE MYSELF OF BEING
	8 S1	S1 S1 S1 S2	S2 S2 S5	S3 S4 B	A C	exceeding three (3) persons, and have a travel distance to the room door not exceeding 7.6 m.	THE CONSULTANT ON THE RESPONSIBILITY IN CONTINUED COMPLIANCE TO THE QCD TECHNICAL REQUIREMENTS GUIDE 2022, APPLICABLE/ACCEPTABLE NFPA
	9 (9) Miscellaneous	C C C B	B B \$5	C S4 B	C	8.3 Means of egress, for rooms or spaces or hazardous area, shall be arranged so that there are no dead ends in corridors.	CODES, STANDARDS, PROCEDURES AND PRACTICES IMPLEMENTED BY THE GDCD.
						8.4 Doors serving high-hazard content areas shall swing in the direction of egress travel. 8.5 Doors serving high hazard contents areas with occupant loads in excess of five shall	AFFIXED IS MY NAME AND COMPANY STAMP TO ATTEST WITH THE ABOVE
						be permitted to be provided with a latch or lock only if the latch or lock is panic hardware or fire exit hardware complying with QCD Technical Requirements Guide 2022 or NFPA 101 7.2.1.7.	UNDERTAKING.
						9.0. Special Provisions for Hazardous Materials. 9.1 Hazardous materials that are stored, used, or handled, and that are also classified as	CONSULTANT'S NAME &SIGNATURE
						high-hazard contents, shall comply with the Special Provisions for Occupancies with High Hazard Contents.	Po Box : Tel +974 :
		OF <u>3m</u> and the store mus t be well ventilated. Spill containment means mus t be outsil OF <u>5m</u> and the store mus t be well ventilated. Spill containment means mus t be outsil T 3m // PG II & I at least 5m // Solid hazardous chemicals at least 1m).	THE CHEMICAL STORE. SOLID HAZARDOUS CHEMICALS MUS T BE ON NON CON THE CHEMICAL STORE. SOLID HAZARDOUS CHEMICALS MUS T BE ON NON CON	MBUSTIBLE PALLETS TO AVOID CONTANCT WITH INCOMPATIBLE LIQUID CHEMICALS. MBUSTIBLE PALLETS TO AVOID CONTANCT WITH INCOMPATIBLE LIQUID CHEMICALS.	THE STORE BARRIERS MUST BE FIRERATED THE STORE BARRIERS MUST BE FIRERATED	9.2 Occupancies with hazardous materials shall comply with both of the following	Fax +974 :
Previous Approval Reference Numbers:	53 54 FIRE RATED PARTITIONED AREA IS PREFERRED FOR THIS CLASS OF CHE 55 FIRERATED DETACHED BUILDING IS PREFERRED FOR CLASS 4.3 WHERE	MICALS.				9.2.1 Means of egress requirements in the QCD Technical Requirements Guide 2022.	CONSULTANT'S SIGNATURE UPDA Reg. No./Grade : Qatar ID No.:
Baladiya Permit System Buildng Permit (BP): QCD-Permit System (PS) Completion Certificate:	B MSDS MUST BE CHECKED TO GUARANTEE THE COMPATIBILITY OF TH	E CHEMICALS UNDER THE SAME CLASS . IF THEY ARE INCOMPATIBLE MINIMUM SEGREGATION DIST E CHEMICALS. IF THEY ARE INCOMPATIBLE MINIMUM SEGREGATION DISTANCE MUST BE <u>3M</u> CAL HAS FIRE RISK (PRIMARY OR SUBSIDIARY). <u>MSDS</u> MUST BE CHECKED TO GUARANTEE THE CON	_			9.2.1 Applicable means of egress requirements of NFPA 30, NFPA 45, NFPA 55, NFPA 58, NFPA 400, and NFPA 495 that are stricter than the means of egress	Validity : Validity :
QCD-FSD: Other Approval Ref. Nos.:						requirements in NFPA 5000, Chapter 34 and in the QCD Technical Requirements Guide 2022.	
BUILDING DATA	BUILDING DATA OCCUPANT LOAD (OL) CALCULATION TABLE H. EGRESS CAPACITY CALCULATION TABLE					9.3 Where a conflict exists between applicable requirements, an analysis should be made and the proper applicable requirement should be implemented or conformed to subject to	
OCCUPANCY CLASSIFICATION	Any high hazard rooms and rooms or spaces with occupant load e	rall occupant load (OL) calculation for each floor level exceeding 50 person, the OL shall be indicated within that room/space in floor plan.	Floor/Level or Rooms/Space No. of	Stairways / Level Components ((Doors) and Ramps (mm)	the approval of QCD. 10.0. In addition to the provisions in this General Notes, buildings, and portions thereof, containing hazardous materials shall comply with all but not limited to the following:	CONCLUTANTIC
TYPE OF OCCUPANCY: MULTPLE OCCUPANCIES: Separated Occupancies	Occupancy Type Floor Level (Predominant Use)	Floor Area (m^2) [in gross area interest net is (m^2/p) Loa	Occupants		h Actual Width Provided	10.1 B; B : G : 17.1 17. 17. 17. 17. 17. 17. 17. 17	CONSULTANT'S
Mixed-use Occupancies	(Tredominant ose)	specified] (111 /p) Loud				10.2 Ventilation. High Hazard Contents Buildings shall be ventilated or shall have the provisions for smoke control. Buildings in which explosive, flammable, combustible,	LOGO
BUILDING CATEGORY Low-rise Hazard						corrosive, or highly toxic dusts, mists, fumes, vapors, or gases are, or might be, emitted shall be provided with mechanical exhaust ventilation or natural ventilation where natural	
Medium-rise Ordinary Hazard						ventilation can be shown to be acceptable for the materials as stored. 10.3 Other requirements for High Hazard Contents Buildings such as:	
_						10.3.1 Allowable Building Height and Area 10.3.2 Separation of Occupancies Having High Hazards	HEAD OF OFFICE SIGNATURE
SCOPE OF WORKS						10.3.3 Explosion Control 10.3.4 Standby and Emergency Power	UPDA Reg. No. : Company Reg. Grade : Validity : Qatar ID No. :
New Construction Building Rehabilitation (Modifications, Renovation,						10.3.5 Unprotected Vertical Openings 10.3.6 Spill Control and Containment of Hazardous Materials Liquids and Solids 10.3.7 Minimum Distance to Property Lines or Horizontal Separation.	Validity : Qatar ID No. : CLIENT / OWNER
Change of Use/Occupancy Repair, Addition/Extension, etc.) Existing Buildings (Indicate Interior Fit-outs						10.3.7 Millimum Distance to Property Ellies of Horizontal Separation. 10.3.8 Other special requirements for High Hazard Contents Buildings in NFPA 5000, Chapter 34.	
Previous QCD Plan/s Approval) As-Builts Interior Fit-outs						11.0. Storage of hazardous materials shall be in accordance with the UN CLASSES OF HAZARD MATERIALS Compatibility Table.	
						12.0. Storage of hazardous materials shall be provided with labels and system of markings that provides a general idea of the hazards of the material and the severity of this hazard as they relate	OWNER
FIRE AND LIFE SAFETY SYSTEM						to emergency response. Refer to NFPA 704 Identification of Hazards of Materials for Emergency Response.	
EXTINGUISHMENT REQUIREMENTS		,				The consultant assumes the responsibility for any errors or omissions in the contents	
AUTOMATIC SPRINKLER SYSTEM						specified on the fire and life safety general notes on this Cover Page/Sheet. The information contained in the above mentioned general notes are provided on an 'as is' basis with guarantees of completeness, accuracy, usefulness or timeliness and with any warranties of any kind	
Specify Area/Level/Building Protected						of completeness, accuracy, usefulness or timeliness and with any warranties of any kind whatsoever, express or implied.	
				to be traditioned addition		The consultant and owner shall legally responsible in the implementation of all fire safety requirements to the compliance, satisfaction and final acceptance by the General Directorate Of Civil	PROJECT TITLE
	leave any empty rows or spaces. For small buildings where the	itional page/s of the Cover Sheet may be provided. Please. ensure not to information required may be very limited, please cross-out the empty nation provided within each Table.	leave any empty rows or spaces. For small b	to be indicated, additional page/s of the Cover Sheet may be provi uildings where the information required may be very limited, plea ices after the information provided within each Table.	nded. Please. ensure not to ease cross-out the empty	Defense (GDCD) to which and shall include those all other required/applicable provision not indicated in the fire safety drawings but is/are required to be installed as per the requirements of the QCD	PROJECT TITLE
						Technical Requirements Guide 2022.	11.0020111122
SMOKE CONTROL SYSTEM		TATEMENT	LEGENDS AND SYMBOLS Legends/Symbols to be used SHALL be strickly in accordance with NFPA 170 Standard for Fire Safety and Emergency Symbols. The Symbols				
SMOKE CONTAINMENT SYSTEM SMOKE MANAGEMENT SYSTEM	The floor area per level/story shall be indicated in both Floor/Level Area [m²]	cases for one (1) building or multiple buildings development Floor/Level Area [m²]	in accordance with NFPA 170, shall be represe.	nted on the Floor Plans by <mark>RED</mark> color ONLY. The base Architectur BLACK color.	ral Plan shall be in nuetral	CONSULTANT'S DECLARATION OF COMPLIANCE	LOCATION : PIN :
PRESSURIZATION						I,, an (Architect/Life Safety Specialist/Fire Protection Engineer) with UPDA/QCD registration no, being the consultant, hereby certify that the fire	AREA: STREET: PLOT:
Stairwell Car Parks / Parking Structures						safety works shown on this Life Safety Plan (LSP) are in accordance with the General Directorate of Civil Defense (GDCD) - QCD Technical Requirements Guide 2022.	DRAWING TITLE
Basement (Other than Car Parks)						Further, I hereby certify that I am fully aware on the approval of fire safety engineering	
NATURAL VENTILATION Storage Occupancy						plans and do not relieve myself of being the consultant on the responsibility in continued compliance to the QCD Technical Requirements Guide 2022, applicable/acceptable NFPA codes,	GENERAL NOTES
Stairwell Industrial Occupancy						standards, procedures and practices implemented by the GDCD.	FIRE & LIFE SAFETY DRAWING
UG/Limited Access Structure						Affixed is my name and company stamp to attest with the above undertaking.	
				In cases where more information or data are to be indicated, additional page/s of the Cover Sheet may be provided. Please, ensure not to leave any empty rows or spaces. For small buildings where the information required may be very limited, please cross-out the empty rows/spaces after the information provided within each Table.		Consultant/s Name & Company Stamp Date:	
	leave any empty rows or spaces. For small buildings where the	itional page/s of the Cover Sheet may be provided. Please. ensure not to information required may be very limited, please cross-out the empty nation provided within each Table.	leave any empty rows or spaces. For small b				REV. 01 DRAWING NUMBER
			rows/spu	., r, p. ortaca maini cachi fame.			DATE : DECEMBER 2022 SCALE : 1 : 100m LS - 1 / 50