



**MINISTRY OF INTERIOR - STATE OF QATAR
GENERAL DIRECTORATE OF CIVIL DEFENSE
FIRE PREVENTION DEPARTMENT**



LIFE SAFETY PLAN - SUBMISSION CHECKLIST: DOC-01

<i>Proposed Development</i>	<i>Submission ref. nos.:</i>
<i>Project Owner:</i>	<i>(Old) Approval ref. nos.:</i>
<i>Project Location:</i>	<i>PIN:</i>

Item	Provisions	Yes	No	N/A
PLAN SUBMISSION REQUIREMENTS				
1.0	Required DOCUMENTS:			
1.1	Life Safety Plan (LSP) Submission Checklist (this Document)			
1.2	Fire and Life Safety (FLS) Report in any of the ff conditions:			
1.2.1	• High-rise Buildings (<i>all Building Uses or Types of Occupancy</i>), Underground or Limited Access Structures, and Special Structures.			
1.2.2	• Complex Project and Development (<i>Schools, Campus, Museums, Malls, Hospitals, etc.</i>), Government, Military or Special Project Development &/or Facilities.			
1.2.3	• High Hazard Content Building/Occupancies			
	High Hazard Industrial & Storage Occupancies (<i>regardless of fire area</i>); Laboratories using Chemicals.			
1.2.4	• As-built and Rehabilitation Works (<i>renovation, modification, reconstruction, change of use, change of occupancy, addition</i>) in Constructed Projects/Old Buildings (<i>without previous QCD LS Plan approvals</i>)			
1.3	Fire Safety Evaluation System for alternative approaches to Life Safety - NFPA 101A.			
1.4	Evaluation (Report) for Historic Buildings - NFPA 101 c.43.10			
1.5	Life Safety Evaluation (LSE) when required in a specific project or occupancy, prepared as per NFPA 101 c.12.4.1			
1.6	No Objection (NO) Letter for Projects with:			
1.6.1	• Fire & Life Safety (FLS) provisions in excess of the minimum prescribed requirements.			
2.0	Required PLANS/DRAWINGS:			
2.1	Cover Pages/Sheets - LS-000 Series			
2.1.1	• Project description, essential information and the summary of FLS provisions required for the Project			
2.2	Site Plans - LS-100 Series			
2.2.1	• Site Development Plan			
2.2.2	• Location Plan			
2.3	Floor Plans - LS-200 Series			
2.3.1	• Basement Level/s			
2.3.2	• Ground Floor			
2.3.3	• Mezzanine Level/s			
2.3.4	• Upper Floors (1st, 2nd...or Typical Floors)			
2.3.5	• Penthouse			
2.3.6	• Roof Deck/Level			



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2.4	Elevation - LS-300 Series			
2.4.1	• Front and Rear Elevations			
2.4.2	• Side Elevations			
2.5	Sections - LS-400 Series			
2.5.1	• Cross Section/s			
2.5.2	• Longitudinal Section/s			
2.6	FLS Details - LS-500 Series			
2.6.1	• Stairs/Ramps Details (Exit and Access)			
2.6.2	• Other FLS Details (see Plan Details item 5.7)			
3.0	Required PLANS FORMAT			
3.1	DWF file format (in accordance with Baladiya published procedures of converting DWG to DWF)			
3.2	Title Block (standard format) shall indicate the following:			
3.2.1	• Application Reference Numbers (i.e. N/2019/0001234)			
3.2.2	• Previous Approval Reference Numbers (if applicable) (i.e. N/2019/0000123 or PS-123 or FSD-123/07)			
3.2.3	• Qatar Registered Consultant (QRC) Endorsement. QRC SHALL Declare on Plans compliance with applicable Codes/Standards)			
3.2.4	• All Plan sheets (calculations, and consultant's reports) shall be signed and endorsed by the appropriate QRC-Qatar Registered Consultant/s (UPDA & QCD certified).			
4.0	CODES AND STANDARDS			
4.1	QCD General Requirements			
4.1.1	• QCD Technical Requirements Guide 2022			
4.2	Referral NFPA Codes/Standards			
4.1.1	• NFPA 101 Life Safety Code			
4.1.2	• NFPA 5000 Building Construction and Safety Code			
4.1.3	• Other relevant NFPA Codes and Standards			
5.0	Required DETAILS on PLANS			
5.1	Cover Page/Sheet (standard format)			
5.1.1	• Building Data			
5.1.2	• <i>(Reserved)</i>			
5.1.3	• <i>(Reserved)</i>			
5.1.4	• Fire & Life Safety System Provisions			
(i)	◦ Automatic Sprinkler System			
(ii)	◦ Other Automatic Fire Suppression Systems			
(iii)	◦ Fire Alarm System			
(iv)	◦ Smoke Control System			
5.1.5	• <i>(Reserved)</i>			



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5.1.7	• Means of Egress Requirements (Occupant Load and Egress Capacity Calculation Tables)			
5.1.8	• (Reserved)			
5.1.9	• (Reserved)			
5.1.10	• (Reserved)			
5.1.11	• General Fire and Life Safety Notes and Provisions			
5.1.12	• (Reserved)			
5.1.13	• Legends and Symbols (strictly as per NFPA 170)			
5.2	General (Plans, Elevation, Section & Details)			
5.2.1	• Plan Presentation			
(i)	◦ Base (Architectural) Plan: Black Color			
(ii)	◦ Fire and Life Safety Provisions: Red Color			
(iii)	◦ Provide distinction b/w Proposed & Existing Parts			
5.3	Site (Development) Plans			
5.3.1	• Location Plan (scale 1:1000m)			
(i)	◦ Lot location relative to the neighboring lots			
(ii)	◦ Various road constituting the access layout of the lot			
5.3.2	• Master Plan or Key Plans (scale 1:500m). <i>Where site/buildings are subdivided by zones/areas</i>			
5.3.3	• Site Development Plan (scale 1:200m)			
(i)	◦ Fire engine access to site and to every building			
(ii)	◦ Location of fire engine hardstanding			
(iii)	◦ (Reserved)			
(iv)	◦ Building Set Backs from Property Line and/or Horizontal separations between buildings			
(v)	◦ (Reserved)			
(vi)	◦ Other site features or presence of special hazards			
5.4	Floor and Roof Plans (scale 1:100m)			
5.4.1	• Means of Egress			
(i)	◦ Egress Components			
(ii)	◦ Occupant Load (OL). <i>Reflected on every room/space & tabulated (OL Table provided) for every floor level/plan.</i>			
(iii)	◦ Means of Egress Capacity			
(iv)	◦ Clear (net) Openings Width			
(v)	◦ Number of Required Exits			
(vi)	◦ Exit Arrangements and Spacing			
(vii)	◦ Door Swing Direction			
(viii)	◦ Max.Travel Distances (TD) <i>reflected on every room/space & tabulated (TD Table provided) for every floor level/plan.</i>			
(ix)	◦ Common Path and Dead-end Limit (see viii)			
(x)	◦ (Reserved)			
(xi)	◦ Egress Identification / Signages (Exit Signs)			



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<i>Item</i>	<i>Provisions</i>	<i>Yes</i>	<i>No</i>	<i>N/A</i>
5.4.2	• Building Compartmentalization			
(i)	◦ Fire Separation Assemblies &/or Occupancy Separation			
(ii)	◦ Smoke Zones or Compartments			
(iii)	◦ Exit Stair Enclosures			
(iv)	◦ Separation &/or Protection of Hazard Areas			
(v)	◦ Smoke Barriers			
(vi)	◦ Exit Access Corridors			
(vii)	◦ Exit Passageways			
(viii)	◦ <i>(Reserved)</i>			
(ix)	◦ Doors and Other Openings Fire Protection Rating <i>Directly indicated in every doors/windows in fire rated locations of every floor level/plan.</i>			
5.4.3	• Vertical Openings Protection			
(i)	◦ Shafts			
(ii)	◦ Communicating Space			
(iii)	◦ Atrium			
(iv)	◦ Convenience Openings			
(v)	◦ Convenience Stairways			
(vi)	◦ Escalator Openings			
(vii)	◦ Mezzanines			
(viii)	◦ Other Vertical Openings/Floor Voids			
5.4.4	• Firefighting and Rescue Provisions <i>(Pls. highlight)</i>			
(i)	◦ Fire Lifts/Fire Service Access Elevators			
(ii)	◦ Ambulance Stretcher Accommodation Lift/Elevators			
(iii)	◦ Firefighting and Smoke-stop Lobbies			
(iv)	◦ Windows for Rescue <i>(Nursery/Day Care and in Schools [K12] -Educational Occupancies)</i>			
(v)	◦ Fireman's Access Panels/Openings			
(vi)	◦ Fire (Emergency) Command Center			
(vii)	◦ Other Firefighting and Rescue Provisions			
5.4.5	• Building Utilities and Services <i>(Pls. highlight)</i>			
(i)	◦ Fire Pump Room/Fire Water Storage Tanks			
(ii)	◦ Emergency Power Supply/Generator Rooms			
(iii)	◦ Fuel or Flammable & Combustible Liquids			
(iv)	◦ Gas Storage Rooms			
(v)	◦ Boiler Rooms			
(vi)	◦ Transformer/Switchgears or KAHRAMAA (KM) Substations. <i>Specify the Type (Public Distribution or Consumer Distribution and indicate the Loss Prevention in accordance with KM and QCD agreed requirement.</i>			
(vii)	◦ Garbage/Refuse, Linen Rooms and Chute/s			
(viii)	◦ Other Utilities and Service Areas			



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<i>Item</i>	<i>Provisions</i>	<i>Yes</i>	<i>No</i>	<i>N/A</i>
5.5	Elevation Drawings (scale 1:100m)			
5.5.1	• Fireman's Access Openings/Panels			
5.5.2	• Windows for Rescue <i>(Nursery/Day Care and in Schools [K12] -Educational Occupancies)</i>			
5.5.3	• External Walls and Cladding Materials			
5.5.4	• Clear Distance of External Walls from:			
(i)	◦ Firefighting (FF) Vehicles & Equipment Access			
(ii)	◦ Lot Boundary			
(iii)	◦ Adjacent Building & Other Structures			
5.6	Sections/Sectional Drawings (scale 1:100m)			
5.6.1	• Full Height and Dimensions of each Storey			
5.6.2	• Depth of Ceiling Spaces & Raised Floors			
5.6.3	• Clear Height of All Structures & Projections above Firefighting (FF) Vehicles & Equipment			
5.6.4	• Fire Resistance Rated Walls and Enclosures			
5.6.5	• Clear Distance of External Walls from:			
(i)	◦ Firefighting (FF) Vehicles & Equipment Access			
(ii)	◦ Lot Boundary			
(iii)	◦ Adjacent Building & Other Structures			
5.7	FLS Details (scale 1:50m min.)			
5.7.1	• Enlarge Sectional Details showing:			
(i)	◦ <i>(Reserved)</i>			
(ii)	◦ Exit Paths, Stairways Identification Markings and Directional Signs/Signages			
(iii)	◦ <i>(Reserved)</i>			
(iv)	◦ Re-entry Provisions			
	◦ Vertical Openings: Shaft, Atria, Comm. Spaces, etc.			
(v)	◦ Physical Barrier/s within the staircase at the level of exit discharge (LED)			
5.7.2	• Junction between Roof and any Compartment Walls			
5.7.3	• <i>(Reserved)</i>			
5.7.4	• Exit Stairways and Ramps			
(i)	◦ Thread depth and Riser height			
(ii)	◦ Landings Width and Height between Landings			
(iii)	◦ Percentage of Slope (Ramps)			
(iv)	◦ Guard, Intermediate Railings and Handrails			
(v)	◦ Stairways Identification Markings			
(vi)	◦ Fire Resistance Rated Walls & Enclosures, Openings (Doors, Windows & Penetrations) Fire Protection Rating			
5.7.5	• Garbage and Linen Rooms and Chute (NFPA 82)			



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<i>Item</i>	<i>Provisions</i>	<i>Yes</i>	<i>No</i>	<i>N/A</i>
(i)	• Service Opening Room Fire Rated Enclosures and Room/Chute Openings (Doors) Fire Protection Rating			
(ii)	• Chute Venting Requirements			
5.7.6	• Perimeter Joints Fire Protection System			
5.7.7	• Curtain Wall System			
5.7.8	• Firestopping/Fire cavity Barriers			
5.7.9	• <i>(Reserved)</i>			
<i>Notes:</i>				
1	<i>Drawings are to be submitted through the Baladiya (Municipality) online Permit System (BPS) portal.</i>			
2	<i>Each item is checked for completeness and compliance with General Directorate of Civil Defence (QCD) Technical Requirements Guide 2022 and applicable referral NFPA Codes and Standards.</i>			
3	<i>Pls. check or mark all the applicable and required item/s and include this document to every Life Safety (LS) Plan submissions or re-submissions made.</i>			
4	<i>Fire safety provisions shall be in accordance with the minimum requirements as prescribed in the QCD Technical Requirements Guide 2022 and applicable referral NFPA Codes and Standards (also see item 1.6).</i>			
CONSULTANT'S DECLARATION OF COMPLIANCE				
<p>I, _____, an (Architect/Life Safety Specialist/Fire Protection Engineer) with UPDA/QCD registration no. _____, being the consultant, hereby certify that the fire 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.</p> <p>Further, I hereby certify that I am fully aware on the approval of fire safety engineering 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, standards, procedures and practices implemented by the GDCD.</p> <p align="center"><i>Affixed is my name and company stamp to attest with the above undertaking.</i></p>				
<i>Revision Nos.</i>	<i>Consultant's Name and Company Stamp)</i>	<i>Date</i>		