

Life Safety Code (LSC) Checklist

NFPA 101, 2012 Edition, Chapter 18

New Construction Standards

This checklist is not intended to be a substitute for Life Safety Code.

Requirement	Reference in LSC	OK
Building Construction (type & ht.)	18.1.6	
2-hr Sep. (between occupancy/construction types)	18.1.3.3 & 4	
Interior Finish:		
Separate by partitions from all areas	18.3.6.1	
Smoke tight walls/doors	18.3.6.2/3.6.3	
Exit signs	18.2.10 & 7.10	
Smoke Compartmentation:		
2 compartments min. per floor	18.3.7.1 (1)	
Size limitation/travel distance	18.3.7.1 (3,4)	
Smoke barriers (1-hour wall)	18.3.7.3	
Smoke Doors:		
Self-closing	18.3.7.6	
Solid core wood doors	18.3.7.6	
Double egress, 44" each leaf	18.3.7.6	
Vision panels	18.3.7.9	
Rabbets, bevels or astragals	18.3.7.8	
Filling penetrations thru smoke barriers using dampers & approved/appropriate sealing materials	8.3.6	
Smoke dampers	8.3.5.7/9.2.1	
Protection from hazardous areas	18.3.2.1	
Protection of vertical openings	18.3.1	
Exit discharge to outside	18.2.7 & 7.7	
Rated enclosures/vert. openings	18.2.7 & 8.6.5	
Means of Egress:		
Exit discharges paved to public way	18.2.7 & 7.7.1	
At least 2 exits from all areas	18.2.4.2 & 18.2.4.3	
Max. travel distances	18.2.6	
30" max. dead end corridor	18.2.5.2	
Stair details	7.2.2.2.1	
Exit access	18.2.1/7.5	
Exit capacity (exit width)	18.2.3	
Corridor width 8'0" clear (to wall finish)	18.2.3.4	
Exit access doors 44" wide (nominal)	18.2.3.6	
Stair doors 36" wide (nominal)	18.2.3.7	
Sleeping rooms/suites over 1000 SF	18.2.5/7.2.2	

Requirement	Reference in LSC	OK
Other rooms/suites over 2,500 SF	18.2.5/7.3.2	
Panic hardware, locks	7.2.1.6/7.2.1.7/18.2.2.2.2	
Horizontal exits (if used)	7.2.4 & 18.2.2.5	
Illumination & Emergency Power:		
Continuous emergency lighting	7.8/7.9 & 18.2.9	
Exit signs (2 directions)	7.4.1/18.2.10.1 & 7.10.1.2	
Life support systems (where provided)	18.5.1.3	
Life Safety Branch (F.A. system)	NFPA 70/99	
Exterior illumination @ exits (2 bulbs)	7.8.1.4	
Electric generators that include:	2010 NFPA 110	
Remote monitoring 5.6.5 radiator-type cooling system	3-5.7/5.6.7	
Remote shut-off 5.6.5.6 on-site fuel system	(recommended)	
Fire Alarm and Detection System:		
Electrically supervised, activated by water-flow alarms, detectors	18.3.4.2	
Transmission of FA to Fire Dept	18.3.4.3.2 & 9.6.4	
Corridor smoke detectors	18.3.4.5.3	
Spaced 30' max. 2010 NFPA 72	17.7.3.2.3.1	
Manual FA pull station @ ea. Exit	9.6.2.3	
Sprinkler System (all new construction):		
Provides complete coverage	9.7.1	
Meets NFPA 13 including overhangs, canopies (5 13.8); closets (CMS Bulletin 5-38)		
Quick Response Sprinkler (QRS) Heads	18.3.5.6/18.3.5.6	
Flow alarm (transmitted to F.D.)	9.7.2.2	
Local trouble alarm on valves	9.7.2.1	
Adequate/reliable water supply	NFPA 13	
Portable Fire Extinguishers NFPS 10	18.3.5.12	
AC & Ventilation Equipment – NFPA 90A:	18.5.2 & 9.2	
Corridors not used as air plenums	NFPA 90A	
Duct detectors (over 2,000 CFM)	NFPA 90A	
Kitchen hood extinguishment NFPA 96	8.3.2.5/9.2.3	
Unit heaters/devices	18.5.2.3	
Laundry/Rubbish Chutes:		
Protected	9.5 & 18.5.4	
Vented thru roof 3 ft. min. 2009 NFPA 82	5.2.2.4.1	
Furnishings, curtains, drapes	18.7.5 & 10.3	
Enclosed Courtyards used as exits:		
Signage, lighting, complying egress to public way	(multiple references)	