

# LSC Design Submission Requirements DSG-18 HealthCare Occupancies

REQUIRED

## LIFE SAFETY CODE REQUIREMENTS FOR HOSPITALS & NURSING HOMES

2012 Edition of NFPA 101

Code Reference Category

Phase		Code Section	Component/Requirements	Complies		Comments
Schematic	Design Development			Schematic	Design Development	
			Life Safety Floor Plans			
•	•		Renovation Projects the Life Safety Floor Plan shall include the following elements as a minimum.	-	-	
•	•		Mixed occupancies within the existing building.	-	-	
•	•		The project floor location.	-	-	
			Height and Area Limits			
•	•		Total number of Stories and Building Height.	-	-	
•	•		Maximum Height Allowed	-	-	
•	•		Allowable Area	-	-	
•	•		Maximum Number of Stories	-	-	
•	•		Sprinklered or Unsprinklered	-	-	
			Occupancy			
•	•		Occupancy Classification	-	-	
•	•		The project floor location.	-	-	
			Construction Type			
			Minimum construction type			
•	•	18.1.1.1.4	Construction Classification	-	-	
		18.1.1.1.5		-	-	
		18.1.1.1.6		-	-	
			18.1.1.4 Additions, Conversions, Modernization, Renovation, and Construction Operations.			
•	•	18.1.1.4.1	Additions.	-	-	
•	•	18.1.1.4.1.1		-	-	
			18.1.1.4.3 Rehabilitation.			
•	•	18.1.1.4.3.1		-	-	
		18.1.1.4.3.2		-	-	
•	•	18.1.1.4.3.3*		-	-	
		18.1.1.4.3.4*		-	-	
			18.1.1.4.4 Construction, Repair, and Improvement Operations. See 4.6.10.			
•	•	18.1.2	Classification of Occupancy.	-	-	

# LSC Design Submission Requirements DSG-18 HealthCare Occupancies

		18.1.3 Multiple Occupancies.					
•	•	18.1.3.1			-	-	
•	•	18.1.3.2			-	-	
•	•	18.1.3.3*			-	-	
		18.1.3.4 Contiguous Non-Health Care Occupancies.					
•	•	18.1.3.4.1*			-	-	
		18.1.3.4.2			-	-	
•	•	18.1.3.5			-	-	
•	•	18.1.3.6			-	-	
•	•	18.1.3.7			-	-	
•	•	18.1.3.9			-	-	
•	•	18.1.3.10			-	-	
•	•	Table 18.3.2.1	Boiler and fuel-fired heater rooms	1-hour	-	-	
			Central/bulk laundries (more than 100 sq. ft.)	2-hour			
			Laboratories using flammable or combustible materials in quantities that are less than would be considered severe	Smoke-tight and self-closing door			
			Laboratories that use hazardous materials that would cause classification as a severe hazard in accordance with NFPA 99	See 18.3.6.3.11			
			Paint shops (not classified as an "H" occupancy)	1-hour			
			Physical plant maintenance shops	1-hour			
			Soiled-linen room	1-hour			
•	•	18.1.3.11	Waste/trash collection	1-hour	-	-	
		18.1.6.1			-	-	
		18.1.6.2			-	-	
		18.1.6.3			-	-	
		18.1.6.7			-	-	
		18.1.7 Occupant Load.			-	-	
•	•	Table 7.3.1.2	Office	100 sq. ft./occupant	-	-	
			Conference and seminar rooms	15 sq. ft/ occupant			
			Inpatient treatment areas	240 sq. ft./occupant			
			Sleeping Departments	120 sq. ft/occupant			
			Ambulatory Health Care	100 sq. ft./occupant			
			Storage and mechanical spaces	Anticipated Occupancy 42.1.8			
			Locker rooms	50 sq. ft./occupant			
			Kitchen	100 sq. ft./occupant			
		18.2 Means of Egress Requirements.					
		18.2.1 General.					
•	•	7.1.3.1 Exit Access Corridors.			-	-	
•	•	7.1.3.2.1			-	-	

## LSC Design Submission Requirements DSG-18 HealthCare Occupancies

•	•	7.1.3.2.2			
•	•	7.1.3.2.3*	-	-	
7.1.5* Headroom.					
	•	7.1.5.1	N/R	-	
	•	7.1.5.2	N/R	-	
	•	7.1.5.3	N/R	-	
7.1.7 Changes in Level in Means of Egress.					
	•	7.1.7.1	N/R	-	
•	•	7.1.7.2*	-	-	
	•	7.1.7.2.1	N/R	-	
	•	7.1.7.2.2	N/R	-	
	•	7.1.7.2.3	N/R	-	
	•	7.1.7.2.4	N/R	-	
	•	7.1.8* Guards.	N/R	-	
18.2.2.2 Doors					
•	•	18.2.2.2.1	N/R	-	
7.2.1 Door Openings.					
•	•	7.2.1.1.2	N/R	-	
7.2.1.2.3 Minimum Door Leaf Width.					
	•	7.2.1.2.3.2	N/R	-	
7.2.1.3 Floor Level					
	•	7.2.1.3.1	N/R	-	
	•	7.2.1.3.3	N/R	-	
	•	7.2.1.3.4	N/R	-	
	•	7.2.1.3.5	N/R	-	
•	•	7.2.1.3.6	-	-	
7.2.1.4 Swing and Force to Open.					
•	•	7.2.1.4.1* Swinging-Type Door Assembly Requirement.	-	-	
•	•	7.2.1.4.2 Door Leaf Swing Direction.	-	-	
7.2.1.4.3 Door Leaf Encroachment.					
•	•	7.2.1.4.3.1*	-	-	
7.2.1.5.5 Key-Operated Locks.					
	•	7.2.1.5.5.1	N/R	-	
	•	7.2.1.5.6 Electrically Controlled Egress Door Assemblies	N/R	-	
	•	7.2.1.5.8*	N/R	-	
	•	7.2.1.5.8.1	N/R	-	
	•	7.2.1.5.8.2	N/R	-	
	•	7.2.1.5.9	N/R	-	
7.2.1.6.1 Delayed-Egress Locking Systems.					
	•	7.2.1.6.1.1	N/R	-	
	•	7.2.1.6.2* Access-Controlled Egress Door Assemblies	N/R	-	

# LSC Design Submission Requirements DSG-18 HealthCare Occupancies

	•	7.2.1.6.3 Elevator Lobby Exit Access Door Assemblies Locking.		N/R	-	
		7.2.1.9* Powered Door Leaf Operation.				
	•	7.2.1.9.1.4		N/R	-	
	•	7.2.1.9.1.5*				
	•	7.2.1.9.1.6		N/R	-	
	•	7.2.1.9.1.7		N/R	-	
	•	7.2.1.14		N/R	-	
	•	18.2.2.2.9		N/R	-	
	•	18.2.2.2.10		N/R	-	
	•	18.2.2.2.10.1		N/R	-	
	•	18.2.2.2.10.2		N/R	-	
		18.2.2.3 Stairs. Stairs complying with 7.2.2 shall be permitted.				
•	•	7.2.2.1.1		-	-	
•	•	7.2.2.1.2		-	-	
		7.2.2.2 Dimensional Criteria.				
	•	7.2.2.2.1 Standard Stairs.		N/R	-	
			Dimensional Criteria New Stairs			
			Risers	Minimum 4 in., maximum 7 in. (Table 7.2.2.2.1.1(a))	N/R	-
			Treads	Minimum 11 in. (Table 7.2.2.2.1.1(a))	N/R	-
			Width	Minimum 44 in. for fewer than 2,000 persons.)	N/R	-
				Minimum 56 in. for more than 2,000 persons. (Table 7.2.2.2.1.2(B))	N/R	-
			Landings Width	No less than the width of the stair, but need not exceed 48 in. when the stair has a straight run. (7.2.2.3.2.4)	N/R	-
			Vertical Rise	Vertical distance between floor levels and landings: 12 ft. (Table 7.2.2.2.1.1(a))	N/R	-
			Headroom	80 in. (Table 7.2.2.2.1(a))	N/R	-
			Handrails (Note: Shall also coordinate with TAS requirements (4.26.2))	Circular diameter: (7.2.2.4.4.6)	N/R	-
			Minimum 1. in.,			
			Maximum 1. in.	Maximum 2 in.	N/R	-
			Height	Min. 34 in. Max. 38 in.	N/R	-
			Clear Space to Wall	2-1/4 in. (7.2.2.4.4.5)	N/R	-
			Intermediate Handrails	Intermediate handrails are required so that all portions of the stairway are within 30 in. of the handrail. (7.2.2.4.1.2)	N/R	-
			Guardrails			
	•			Height: 42 in. (7.2.2.4.5.2.)	N/R	-

# LSC Design Submission Requirements DSG-18 HealthCare Occupancies

			Guardrails required along open-sided walking surfaces, mezzanines, stairways, ramps, and landings.	Open guardrails shall have intermediate rails or an ornamental pattern such that a sphere 4 in. in diameter cannot pass through up to 34 in. in height. (7.2.2.4.5.3)				
Dimensional Criteria Existing Stairs								
•	•	Table 7.2.2.2.1.1(b)	Minimum width clear of all obstructions, except projects not more than 4-1/2" at or below handrail height on each side.	36 inches	N/R	-		
			Maximum Height of Risers	8 inches				
			Minimum tread depth	9 inches				
			Minimum headroom	6 feet 8 inches				
			Maximum Height Between Landings	12 feet				
•	•	7.2.2.2.1.2. Minimum New Stair Width.					-	-
7.2.2.3 Stair Details.								
•	•	7.2.2.3.1.2					-	-
7.2.2.3.2 Landings.								
•	•	7.2.2.3.2.1					-	-
	•	7.2.2.3.2.2					N/R	-
•	•	7.2.2.3.2.3					-	-
•	•	7.2.2.3.2.4					-	-
•	•	7.2.2.3.2.5					-	-
7.2.2.3.3 Tread and Landing Surfaces.								
	•	7.2.2.3.3.1					N/R	-
	•	7.2.2.3.3.2*					N/R	-
	•	7.2.2.3.3.3					N/R	-
7.2.2.4 Guards and Handrails.								
7.2.2.4.1 Handrails								
	•	7.2.2.4.1.1					N/R	-
	•	7.2.2.4.1.2					N/R	-
	•	7.2.2.4.1.3					N/R	-
	•	7.2.2.4.2 Continuity.					N/R	-
7.2.2.4.4* Handrail Details.								
	•	7.2.2.4.4.1					N/R	-
	•	7.2.2.4.4.2					N/R	-
	•	7.2.2.4.4.3					N/R	-
	•	7.2.2.4.4.5					N/R	-
	•	7.2.2.4.4.6					N/R	-
	•	7.2.2.4.4.8					N/R	-
	•	7.2.2.4.4.9					N/R	-
	•	7.1.8* Guards.					N/R	-
•	•	7.2.2.4.5.2					N/R	-

# LSC Design Submission Requirements DSG-18 HealthCare Occupancies

	•	7.2.2.4.5.3*	N/R	-	
		7.2.2.5 Enclosure and Protection of Stairs.			
•	•	7.2.2.5.1.1	N/R	-	
		18.2.2.4 Smokeproof Enclosures. Smokeproof enclosures complying with 7.2.3 shall be permitted.			
		7.2.3 Smokeproof Enclosures.			
•	•	7.2.3.1 General.	N/R	-	
•	•	7.2.3.2 Performance Design.	-	-	
		7.2.3.3 Enclosure.			
•	•	7.2.3.3.1	-	-	
•	•	7.2.3.3.2	-	-	
•	•	7.2.3.3.3	-	-	
•	•	7.2.3.4 Vestibule.	-	-	
		7.2.3.5 Discharge.			
•	•	7.2.3.5.1	-	-	
•	•	7.2.3.5.2	-	-	
•	•	7.2.3.6 Access.	-	-	
	•	7.2.3.7 Natural Ventilation.	N/R	-	
	•	7.2.3.8 Mechanical Ventilation	N/R	-	
•	•	7.2.3.8.1	-	-	
		7.2.3.9 Enclosure Pressurization.			
•	•	7.2.3.9.2	-	-	
		7.2.3.10 Activation of Mechanical Ventilation and Pressurized Enclosure Systems.			
	•	7.2.3.10.1	N/R	-	
		18.2.2.5 Horizontal Exits. Horizontal exits complying with 7.2.4 and the modifications of 18.2.2.5.1 through 18.2.2.5.7 shall be permitted.			
		7.2.4 Horizontal Exits.			
		7.2.4.2 Fire Compartments.			
•	•	7.2.4.2.1	-	-	
•	•	7.2.4.2.2	-	-	
•	•	7.2.4.2.4	-	-	
		7.2.4.3 Fire Barriers			
•	•	7.2.4.3.1	-	-	
•	•	7.2.4.3.3	-	-	
•	•	7.2.4.3.4	-	-	
	•	7.2.4.3.5	N/R	-	
	•	7.2.4.3.8	N/R	-	
•	•	7.2.4.3.8.2	-	-	
•	•	7.2.4.4 Bridges Serving Horizontal Exits Between Buildings.	-	-	
•	•	7.2.4.4.1	-	-	
•	•	7.2.4.4.2	-	-	
•	•	7.2.4.4.3	-	-	
•	•	7.2.4.4.4	-	-	

# LSC Design Submission Requirements DSG-18 HealthCare Occupancies

•	•	7.2.4.4.5		-	-		
•	•	7.2.4.4.5.1		-	-		
•	•	7.2.4.4.5.2		-	-		
•	•	7.2.4.4.5.3		-	-		
•	•	7.2.4.4.6		-	-		
•	•	7.2.4.4.7		-	-		
•	•	7.2.4.4.8		-	-		
•	•	18.2.2.5.1		-	-		
•	•	18.2.2.5.1.1		-	-		
•	•	18.2.2.5.1.2		-	-		
•	•	18.2.2.5.2		-	-		
•	•	18.2.2.5.3		-	-		
•	•	18.2.2.5.4		-	-		
•	•	18.2.2.5.5		-	-		
•	•	18.2.2.5.6		N/R	-		
•	•	18.2.2.5.7		-	-		
		18.2.2.6 Ramps					
		18.2.2.6.1		-	-		
		7.2.5 Ramps.					
•	•	7.2.5.1 General.		-	-		
	•	7.2.5.2 Dimensional Criteria.		N/R	-		
•	•	Table 7.2.5.2(a) New Ramps	Width	44 in. (18.2.3.4.)	-	-	
			Maximum slope in direction of travel.	1:12 (Table 7.2.5.2.(a))			
			Maximum rise for a single ramp run.	30 in. (Table 7.2.5.2.(a))			
			Maximum Cross Slope	1:48			
		Handrails	Required for ramps with a rise greater than 6 in. (7.2.5.4.2)				
•	•	Table 7.2.5.2(b) Existing Ramps	Minimum Width	30 inches	-	-	
			Maximum slope	1:8			
			Maximum height between landings	12 ft.			
		7.2.5.3 Ramp Details.					
•	•	7.2.5.3.1 Construction.		-	-		
•	•	7.2.5.3.2 Landings. Ramp		-	-		
	•	7.2.5.3.3 Drop-Offs		-	-		
		7.2.5.4 Guards and Handrails.					
•	•	7.2.5.4.1		-	-		
•	•	7.2.5.4.2		-	-		
	•	7.2.5.4.3		-	-		
		7.2.5.4.4		-	-		
		7.2.5.5 Enclosure and Protection of Ramps.		-	-		

# LSC Design Submission Requirements

## DSG-18 HealthCare Occupancies

		7.2.5.6 Special Provisions for Outside Ramps.			
	•	7.2.5.6.1* Visual Protection.	-	-	
	•	7.2.5.6.2* Water Accumulation.	-	-	
	•	A.7.2.5.6.2	-	-	
		18.2.2.7 Exit Passageways. Exit passageways complying with 7.2.6 shall be permitted.			
		7.2.6* Exit Passageways.			
		7.2.6.1* General.	-	-	
•	•	7.2.6.2 Enclosure.	-	-	
•	•	7.2.6.3 Stair Discharge.	-	-	
		7.2.6.4 Width.			
	•	7.2.6.4.2	-	-	
		18.2.2.10 Areas of Refuge. Areas of refuge used as part of a required accessible means of egress shall comply with 7.2.12.			
		7.2.12 Areas of Refuge.			
		7.2.12.2 Accessibility.			
	•	7.2.12.2.1	-	-	
•	•	7.2.12.2.2	-	-	
	•	7.2.12.2.3*	-	-	
		7.2.12.2.4*	-	-	
•	•	7.2.12.2.4.1	-	-	
•	•	7.2.12.2.4.2	-	-	
		7.2.12.3 Details.			
	•	7.2.12.3.1*	-	-	
	•	7.2.12.3.2*	-	-	
	•	7.2.12.3.3	-	-	
	•	7.2.12.3.4*	-	-	
	•	7.2.12.3.5	-	-	
	•	7.2.12.3.5.1	-	-	
	•	7.2.12.3.5.2	-	-	
		18.2.3 Capacity of Means of Egress.			
		18.2.3.1 The capacity of means of egress shall be in accordance with Section 7.3.			
•	•	7.3.1.1.2	-	-	
•	•	7.3.1.5 Capacity from a Point of Convergence.	-	-	
	•	7.3.1.6 Egress Capacity from Balconies and Mezzanines.	-	-	
•	•	18.2.3.4*	-	-	
•	•	18.2.3.5	-	-	
•	•	18.2.3.6	-	-	
•	•	18.2.3.7	-	-	
		7.3.2 Measurement of Means of Egress.			
•	•	7.3.2.2	-	-	
•	•	7.3.2.3	-	-	
•	•	(Table 7.3.3.1) Capacity Factors			



# LSC Design Submission Requirements DSG-18 HealthCare Occupancies

			Stairways:	0.3 in./occupant Sprinklered	-	-			
				0.6 in./occupant unsprinklered					
			Level Components & Ramps	0.2 in./occupant Sprinklered	-	-			
				0.5 in./occupant unsprinklered					
•	•	Table 7.3.1.2	Occupant Load Factor						
			Office	100 sq. ft./occupant y	-	-			
			Conference and seminar rooms	15 sq. ft./ occupant	-	-			
			Inpatient treatment areas	240 sq. ft./occupant	-	-			
			Outpatient areas	100 sq. ft./occupant	-	-			
			Storage and mechanical spaces	Anticipated Occupancy 42.1.8	-	-			
			Sleeping areas	120 sq. ft./occupant	-	-			
			Locker rooms	50 sq. ft./occupant	-	-			
			Kitchen	100 sq. ft./occupant (Table 7.3.1.2)	-	-			
7.3.4 Minimum Width.									
•	•	7.3.4.1			-	-			
	•	7.3.4.1.1*			N/R	-			
•	•	7.3.4.1.2			-	-			
		7.3.4.1.3			N/R	-			
		7.3.4.2			N/R	-			
•	•	7.3.4.3			-	-			
18.2.4 Number of Means of Egress.									
		18.2.4.1			-	-			
7.4* Number of Means of Egress.									
•	•	7.4.1.1			-	-			
•	•	7.4.1.2			-	-			
•	•	7.4.1.3			-	-			
•	•	7.4.1.4			-	-			
7.4.1.6 Elevator Landing and Lobby Exit Access.									
•	•	7.4.1.6.1			-	-			
•	•	7.4.1.6.2			-	-			
	•	7.4.1.6.3			N/R	-			
7.4.2 Spaces About Electrical Equipment.									
	•	7.4.2.1 600 Volts, Nominal, or Less.	The minimum number of means of egress for working space about electrical equipment, other than existing electrical equipment, shall be in accordance with <i>NFPA70, National Electrical Code, Section 110.26(C)</i> .			-	-		
	•	Table 110-26(a) Working Spaces	Nominal Voltage to Ground	Minimum Clear Distance in Feet			-	-	
				Condition 1	Condition 2	Condition 3			
				0-150	3'-0"	3'-0"			
		151-600	3'-0"	3'-6"	4'-0"				
			Condition 1	Exposed live parts on one side and live or grounded parts on the other side of the working space, exposed live parts on both sides effectively guarded by suitable wood or other insulating materials. Insulated wire or insulated busbars operating at not over 300 volts to ground shall not be considered live parts.			-	-	

# LSC Design Submission Requirements DSG-18 HealthCare Occupancies

			Condition 2	Exposed live parts on one side and grounded parts on the other side. Concrete, brick, or tile walls shall be considered as grounded.	-	-	
			Condition 3	Exposed live parts on both sides of the work space (not guarded as provided in Condition 1) with the operator between.	-	-	
	•	7.4.2.2 Over 600 Volts, Nominal.			N/R	-	
	•	110.33 (A)			N/R	-	
•	•	18.2.4.2			-	-	
•	•	18.2.4.3			-	-	
•	•	18.2.4.4*			-	-	
		18.2.5 Arrangement of Means of Egress.					
		18.2.5.1 General.	Arrangement of means of egress shall comply with Section 7.5.				
		7.5 Arrangement of Means of Egress.					
•	•	7.5.1.1			-	-	
•	•	7.5.1.1.1*			-	-	
•	•	7.5.1.1.2			-	-	
•	•	7.5.1.1.3			-	-	
•	•	7.5.1.1.4			-	-	
•	•	7.5.1.2			-	-	
•	•	7.5.1.2.1			-	-	
•	•	7.5.1.2.2			-	-	
		7.5.1.3					
•	•	7.5.1.3.1			-	-	
•	•	7.5.1.3.2*			-	-	
•	•	7.5.1.3.3			-	-	
•	•	7.5.1.3.4*			-	-	
•	•	7.5.1.3.5			-	-	
•	•	7.5.1.3.6			-	-	
•	•	7.5.1.3.7			-	-	
•	•	7.5.1.4			-	-	
•	•	7.5.1.4.1			-	-	
•	•	7.5.1.4.2*			-	-	
•	•	7.5.1.5*			-	-	
		7.5.1.6					
•	•	18.2.5.2 Dead-End Corridors.			-	-	
•	•	18.2.5.3 Common Path of Travel.			-	-	
•	•	18.2.5.4* Intervening Rooms or Spaces.			-	-	
		18.2.5.5 Two Means of Egress.					
•	•	18.2.5.5.1			-	-	
•	•	18.2.5.5.2			-	-	
		18.2.5.6 Corridor Access.					
•	•	18.2.5.6.1*			-	-	
•	•	18.2.5.6.2			-	-	

# LSC Design Submission Requirements DSG-18 HealthCare Occupancies

•	•	18.2.5.6.3	-	-	
•	•	18.2.5.6.4	-	-	
18.2.5.7 Suites.					
		18.2.5.7.1.1 Suite Permission.	-	-	
•	•	18.2.5.7.1.2* Suite Separation.	-	-	
•	•	18.2.5.7.1.3 Suite Hazardous Contents Areas.	-	-	
18.2.5.7.2 Sleeping Suites.			-	-	
•	•	18.2.5.7.2.1 Sleeping Suite Arrangement.	-	-	
•	•	A.18.2.5.7.2.1(A)	-	-	
•	•	18.2.5.7.2.2 Sleeping Suite Number of Means of Egress.	-	-	
•	•	18.2.5.7.2.3 Sleeping Suite Maximum Size.	-	-	
•	•	18.2.5.7.2.4 Sleeping Suite Travel Distance.	-	-	
•	•	18.2.5.7.3 Patient Care Non-Sleeping Suites.	-	-	
•	•	18.2.5.7.3.1 Patient Care Non-Sleeping Suite Arrangement.	-	-	
•	•	18.2.5.7.3.2 Patient Care Non-Sleeping Suite Number of Means of Egress.	-	-	
•	•	18.2.5.7.3.3 Patient Care Non-Sleeping Suite Maximum Size.	-	-	
•	•	18.2.5.7.3.4 Patient Care Non-Sleeping Suite Travel Distance.	-	-	
•	•	18.2.5.7.4 Non-Patient-Care Suites.	-	-	
18.2.6 Travel Distance to Exits.					
		18.2.6.1	-	-	
7.6* Measurement of Travel Distance to Exits.					
•	•	7.6.1*	-	-	
•	•	7.6.2	-	-	
•	•	7.6.3*	-	-	
•	•	7.6.4	-	-	
		7.6.5	-	-	
		18.2.6.2	-	-	
•	•	18.2.6.2.1	-	-	
•	•	18.2.6.2.3	-	-	
•	•	18.2.6.2.4	-	-	
		18.2.7 Discharge from Exits	-	-	
7.7 Discharge from Exits.					
•	•	7.7.1. Exit termination.	-	-	
•	•	7.7.1.1	-	-	
•	•	7.7.2 Exit Discharge Through Interior Building Areas	-	-	
7.7.3 Arrangement and Marking of Exit Discharge.					
•	•	7.7.3.1	-	-	
•	•	7.5.1.3	-	-	
•	•	7.5.1.3.1	-	-	
•	•	7.5.1.3.2*	-	-	
•	•	7.5.1.3.3	-	-	
•	•	7.5.1.3.4*	-	-	

# LSC Design Submission Requirements DSG-18 HealthCare Occupancies

•	•	7.5.1.3.5			-	-	
•	•	7.5.1.3.6			-	-	
•	•	7.5.1.3.7			-	-	
•	•	7.7.3.4*			-	-	
		18.2.8 Illumination of Means of Egress. Means of egress shall be illuminated in accordance with Section 7.8.					
		7.8 Illumination of Means of Egress.					
	•	7.8.1.1*			-	-	
	•	7.8.1.2.2			-	-	
		18.2.9 Emergency Lighting.					
		18.2.9.1 Emergency lighting shall be provided in accordance with Section 7.9.					
	•	7.9.1.1*			-	-	
	•	7.9.1.2			-	-	
•	•	18.2.9.2			-	-	
		18.2.10 Marking of Means of Egress.					
		18.2.10.1			-	-	
		7.10.1.2 Exits.					
•	•	7.10.1.2.1*			-	-	
•	•	7.10.1.2.2*			-	-	
	•	7.10.1.3 Exit Door Tactile Signage.			-	-	
		7.10.1.5 Exit Access					
	•	7.10.1.5.1			-	-	
	•	7.10.1.5.2*			-	-	
	•	7.10.1.6* Floor Proximity Exit Signs.			-	-	
•	•	18.2.10.3			-	-	
		18.2.10.4			-	-	
		18.2.10.5			-	-	
		18.3 Protection					
		18.3.1 Protection of Vertical Openings.					
		8.6 Vertical Openings.					
•	•	8.6.1 Floor Smoke Barriers.			-	-	
•	•	8.6.2* Continuity.			-	-	
•	•	8.6.4 Shafts.			-	-	
•	•	8.6.4.1			-	-	
•	•	8.6.4.2			-	-	
•	•	8.6.4.3			-	-	
		8.6.5* Required Fire Resistance Rating. The minimum fire resistance rating for the enclosure of floor openings shall be as follows (see 7.1.3.2.1 for enclosure of exits):					
•	•	8.6.5(1)	Enclosures (connecting 4 or more stories)	2-hour fire barrier	-	-	
•	•	8.6.5(2)	Enclosures (connecting 3 or fewer stories)	1-hour fire barrier connecting up to 3 stories	-	-	
•	•	8.6.5(3)	Existing enclosures in existing buildings	½ hour fire barriers	-	-	

# LSC Design Submission Requirements DSG-18 HealthCare Occupancies

		7.1.3.2.1(2)	Exit Stair enclosures (connecting 4 or more stories)	2-hour fire barrier	-	-			
		7.1.3.2.1(1)	Exit Stair enclosures (connecting 3 or fewer stories)	1-hour fire barrier	-	-			
		7.2.6.2	Exit passageways	Fire barrier with the same rating as that for the exit stair enclosure that it serves	-	-			
		7.2.6.2	Horizontal exit wall	Fire barrier with the same rating as that for the exit stair enclosure that it serves	-	-			
•	•	Table 8.3.4.2	Minimum Fire Protection Ratings for Opening protectives in Fire Resistance-Rated Assemblies & Fire Rated Glazing Markings						
			Component	Walls & Partitions	Fire Doors Assemblies				
			Elevator Hoistway	2	1-1/2	-	-		
				1	1	-	-		
				1/2	1/3	-	-		
			Elevator Lobby	1	1	-	-		
			Vertical shafts, including stairways, exits, and refuse chutes	2	1-1/2	-	-		
				1	1	-	-		
			Replacement panels in existing vertical shafts	1/2	1/2	-	-		
			Fire Barriers	3	3	-	-		
				2	1-1/2	-	-		
				1	3/4	-	-		
				1/2	1/3	-	-		
			Horizontal exits	2	1-1/2	-	-		
			Horizontal exits served by bridges	2	3/4	-	-		
Exit access corridors	1	1/3	-	-					
	1/2	1/3	-	-					
Smoke Barriers	1	1/3	-	-					
Smoke Partitions	1/2	1/3	-	-					
•	•	8.6.6 Communicating Space.				-	-		
•	•	8.6.7* Atriums.				-	-		
•	•	8.6.8 Two-Story Openings with Partial Enclosure.				-	-		
		8.6.9 Convenience Openings.							
•	•	8.6.9.1				-	-		
•	•	8.6.9.2				-	-		
•	•	8.6.9.3				-	-		
•	•	8.6.9.4				-	-		
•	•	8.6.9.6				-	-		
		8.6.9.7				-	-		
		8.6.10 Mezzanines.							
		8.6.10.2 Area Limitations.							

# LSC Design Submission Requirements DSG-18 HealthCare Occupancies

•	•	8.6.10.2.1		-	-		
•	•	8.6.10.3 Openness.		-	-		
•	•	8.6.10.3.1		-	-		
•	•	8.6.10.3.2		-	-		
	•	18.3.1.2		-	-		
	•	18.3.1.3		-	-		
	•	18.3.1.4		-	-		
	•	18.3.1.5		-	-		
	•	18.3.1.7		-	-		
	•	18.3.1.8		-	-		
18.3.2 Protection from Hazards.							
•	•	18.3.2.1* Hazardous Areas.					
•	•	Table 18.3.2.1 Hazardous Area Protection	Hazardous Area Description	Protection/Separation†			
			Boiler and fuel-fired heater rooms	1 hour	-	-	
			Central/bulk laundries larger than 100 ft2 (9.3 m2)	1 hour	-	-	
			Laboratories employing flammable or combustible materials in quantities less than those that would be considered a severe hazard	See 18.3.6.3.11.	-	-	
			Laboratories that use hazardous materials that would be classified as a severe hazard in accordance with NFPA 99, <i>Standard for Health Care Facilities</i>	1 hour	-	-	
			Paint shops employing hazardous substances and materials in quantities less than those that would be classified as a severe hazard	1 hour	-	-	
			Physical plant maintenance shops	1 hour	-	-	
			Rooms with soiled linen in volume exceeding 64 gal (242 L)	1 hour	-	-	
			Storage rooms larger than 50 ft2 (4.6 m2) but not exceeding 100 ft2 (9.3 m2) and storing combustible material	See 18.3.6.3.11.	-	-	
			Storage rooms larger than 100 ft2 (9.3 m2) and storing combustible material	1 hour	-	-	
Rooms with collected trash in volume exceeding 64 gal (242 L)	1 hour	-	-				
8.7 Special Hazard Protection							
•	•	8.7.1.1*		-	-		
•	•	8.7.1.2		-	-		
•	•	8.7.3.2*		-	-		
8.7.4 Laboratories.							
		8.7.4.2Laboratories in health care occupancies and medical and dental offices shall comply with NFPA 99, <i>Health Care Facilities Code</i> .		-	-		
NFPA 99: Laboratories in health care occupancies							
	•	11-7.2.3.1		-	-		
	•	11-7.2.3.4		N/R	-		
•	•	11-10.2.2		-	-		
	•	11-10.3.2		N/R	-		

# LSC Design Submission Requirements DSG-18 HealthCare Occupancies

	•	11-10.3	N/R	-	
	•	8.7.5* Hyperbaric Facilities.	N/R	-	
	•	18.3.2.2* Laboratories.	-	-	
	•	18.3.2.3 Anesthetizing Locations	N/R	-	
	•	18.3.2.4 Medical Gas.	N/R	-	
<b>18.3.2.5 Cooking Facilities.</b>					
	•	18.3.2.5.1	N/R	-	
	•	18.3.2.5.2*	N/R	-	
	•	18.3.2.5.3*	N/R	-	
	•	18.3.2.5.4*	-	-	
	•	18.3.2.5.5*	-	-	
	•	18.3.2.6* Alcohol-Based Hand-Rub Dispensers.	-	-	
	•	18.3.2.7 Heliports.	-	-	
<b>18.3.3 Interior Finish.</b>					
	•	18.3.3.1 General.	-	-	
	•	18.3.3.2* Interior Wall and Ceiling Finish	-	-	
	•	18.3.3.2.1	-	-	
	•	18.3.3.2.2	-	-	
<b>18.3.3.3 Interior Floor Finish.</b>					
	•	18.3.3.3.1		-	
		18.3.3.3.2			
		18.3.3.3.3			
<b>Interior wall finish</b>					
		Permitted throughout, if Class A or B and compliant with 10.2.			
	•	Table A.10.2.2	N/R	-	
	•	Table A.10.2.2	N/R	-	
			N/R	-	
<b>18.3.4 Detection, Alarm, and Communications Systems.</b>					
<b>18.3.4.1 General.</b>					
<b>9.6.2 Signal Initiation.</b>					
	•	9.6.2.1	N/R	-	
	•	9.6.2.2	N/R	-	
	•	9.6.2.3	N/R	-	
	•	9.6.2.4	N/R	-	
	•	9.6.2.5*	N/R	-	
	•	9.6.2.6*	N/R	-	
<b>9.6.2.10 Smoke Alarms.</b>					
	•	9.6.2.10.1.1	N/R	-	
	•	9.6.2.10.1.3*	N/R	-	
	•	9.6.2.10.1.4	N/R	-	
	•	9.6.2.10.2	N/R	-	
		9.6.3.4	N/R	-	

## LSC Design Submission Requirements DSG-18 HealthCare Occupancies

	•	9.6.3.5	N/R	-	
	•	9.6.3.5.3	N/R	-	
9.6.5 Fire Safety Functions.					
		9.6.5.1	N/R	-	
	•	9.6.5.2	N/R	-	
18.3.4.2* Initiation.					
	•	18.3.4.2.1	N/R	-	
	•	18.3.4.2.2	N/R	-	
18.3.4.3 Notification.					
	•	18.3.4.3.1 Occupant Notification	N/R	-	
18.3.4.3.2 Emergency Forces Notification.					
	•	18.3.4.3.2.1	N/R	-	
18.3.4.3.3 Annunciation and Annunciation Zoning.					
	•	18.3.4.3.3.1	N/R	-	
	•	18.3.4.3.3.2	N/R	-	
	•	18.3.4.3.3.3	N/R	-	
	•	18.3.4.4 Fire Safety Functions.	N/R	-	
18.3.4.5 Detection.					
	•	18.3.4.5.1 General.	N/R	-	
	•	18.3.4.5.2 Detection in Spaces Open to Corridors.	N/R	-	
	•	18.3.4.5.3* Nursing Homes.	N/R	-	
18.3.5 Extinguishment Requirements.					
•	•	18.3.5.1*	-	-	
9.7 Automatic Sprinklers and other Extinguishing Equipment					
	•	9.7.1.1*	N/R	-	
	•	9.7.1.2	N/R	-	
	•	9.7.1.3*	N/R	-	
	•	9.7.1.4	N/R	-	
9.7.3 Other Automatic Extinguishing Equipment.					
		9.7.3.1	N/R	-	
		9.7.3.2	N/R	-	
	•	18.3.5.5	N/R	-	
	•	18.3.5.6*	N/R	-	
	•	18.3.5.10*	N/R	-	
•	•	18.3.5.11*	-	-	
•	•	18.3.5.12	-	-	
9.7.4 Manual Extinguishing Equipment.					
	•	9.7.4.1*	N/R	-	
•	•	9.7.4.2	-	-	
		18.3.6 Corridors.			



# LSC Design Submission Requirements DSG-18 HealthCare Occupancies

•	•		-	-	
		18.3.6.2* Construction of Corridor Walls.			
	•	18.3.6.2.1	N/R	-	
		18.3.6.2.2	N/R	-	
	•	18.3.6.2.3*	N/R	-	
		18.3.6.3* Corridor Doors.			
	•	18.3.6.3.1*	N/R	-	
		18.3.6.3.6	N/R	-	
	•	18.3.6.3.8	N/R	-	
		18.3.6.3.9 Roller Latches.			
	•	18.3.6.3.9.1	N/R	-	
	•	18.3.6.3.9.2	N/R	-	
	•	18.3.6.3.10*	N/R	-	
	•	18.3.6.3.11	N/R	-	
	•	18.3.6.3.12*	N/R	-	
	•	18.3.6.3.13	N/R	-	
		18.3.6.4 Transfer Grilles.			
	•	18.3.6.4.1	N/R	-	
	•	18.3.6.4.2	N/R	-	
		18.3.6.5 Openings.			
	•	18.3.6.5.1*	N/R	-	
		18.3.7* Subdivision of Building Spaces.			
•	•	18.3.7.1	-	-	
•	•	18.3.7.2	-	-	
•	•	18.3.7.3	-	-	
	•	18.3.7.5	N/R	-	
•	•	18.3.7.5.1	-	-	
•	•	18.3.7.5.2	-	-	
	•	18.3.7.6*	N/R	-	
•	•	18.3.7.7	-	-	
	•	18.3.7.8*	N/R	-	
	•	18.3.7.9*	N/R	-	
	•	18.3.7.10	N/R	-	
		18.4 Special Provisions.			
•	•	18.4.1 Limited Access Buildings.	-	-	
		Limited Access or Underground Buildings. See Section 11.7.			
•	•	11.7.3.1.1 One-Story Structures.	-	-	
•	•	11.7.3.1.2 Multiple-Story Structures	-	-	

## LSC Design Submission Requirements DSG-18 HealthCare Occupancies

•	•	11.7.3.2*	-	-		
•	•	11.7.3.3	-	-		
	•	11.7.3.4	N/R	-		
	•	11.7.3.5	N/R	-		
18.4.2 High-Rise Buildings. High-rise buildings shall comply with Section 11.8.						
11.8.2 Means of Egress Requirements.						
	•	11.8.2.2 Elevator Lobby Exit Access Door Locking.	N/R	-		
11.8.3 Extinguishing Requirements.						
•	•	11.8.3.1*	-	-		
•	•	11.8.3.2	-	-		
11.8.4 Detection, Alarm, and Communications Systems.						
	•	11.8.4.1*	-	-		
	•	11.8.4.2	N/R	-		
	•	11.8.4.2.1	N/R	-		
	•	11.8.4.2.2	N/R	-		
11.8.5 Emergency Lighting and Standby Power.						
	•	11.8.5.1	N/R	-		
	•	11.8.5.2	N/R	-		
	•	11.8.5.2.1	N/R	-		
	•	11.8.5.2.2	N/R	-		
	•	11.8.5.2.3	N/R	-		
	•	11.8.5.2.4	N/R	-		
18.4.3 Nonsprinklered Existing Smoke Compartment Rehabilitation.						
	•	18.4.3.1* General.	N/R	-		
•	•	18.4.3.2 Minimum Construction Requirements (Nonsprinklered Smoke Compartment Rehabilitation).	-	-		
•	•	18.4.3.3 Capacity of Means of Egress (Nonsprinklered Smoke Compartment Rehabilitation).	-	-		
18.4.3.4 Travel Distance (Nonsprinklered Smoke Compartment Rehabilitation).						
•	•	18.4.3.4.1	-	-		
•	•	18.4.3.4.2	-	-		
18.4.3.5 Hazardous Area Protection (Nonsprinklered Smoke Compartment Rehabilitation).						
•	•	Table 18.4.3.5 Hazardous Area Protection (Nonsprinklered Buildings)	Hazardous Area Description	<b>Protection/ Separation</b>		
			Boiler and fuel-fired heater rooms	1 hour and sprinklers		
			Central/bulk laundries larger than 100 ft <sup>2</sup> (9.3 m <sup>2</sup> )	1 hour and sprinklers		
			Laboratories employing flammable or combustible materials in quantities less than those that would be considered a severe hazard	1 hour or sprinklers (Also see 18.4.3.7.2.2)		
			Laboratories that use hazardous materials that would be classified as a severe hazard in	1 hour and sprinklers		

## LSC Design Submission Requirements DSG-18 HealthCare Occupancies

		accordance with NFPA 99, <i>Standard for Health Care Facilities</i>			
		Paint shops employing hazardous substances and materials in quantities less than those that would be classified as a severe hazard	1 hour and sprinklers	-	-
		Physical plant maintenance shops	1 hour and sprinklers	-	-
		Soiled linen rooms	1 hour and sprinklers	-	-
		Storage rooms larger than 50 ft <sup>2</sup> (4.6 m <sup>2</sup> ) but not exceeding 100 ft <sup>2</sup> (9.3 m <sup>2</sup> ) and storing combustible material	1 hour or sprinklers (Also see 18.4.3.7.2.2)	-	-
		Storage rooms larger than 100 ft <sup>2</sup> (9.3 m <sup>2</sup> ) and storing combustible material	1 hour and sprinklers	-	-
		Trash collection rooms	1 hour and sprinklers	-	-
<b>18.4.3.6 Interior Finish (Nonsprinklered Smoke Compartment Rehabilitation).</b>					
18.4.3.6.1 General.					
	•	18.4.3.6.2 Interior Wall and Ceiling Finish		-	-
	•	18.4.3.6.2.1		-	-
	•	18.4.3.6.2.2		-	-
<b>18.4.3.6.3 Interior Floor Finish.</b>					
	•	18.4.3.6.3.1		-	-
	•	18.4.3.6.3.2		-	-
<b>18.4.3.7 Corridors (Nonsprinklered Smoke Compartment Rehabilitation).</b>					
18.4.3.7.1 Construction of Corridor Walls.					
	•	18.4.3.7.1.1		-	-
	•	18.4.3.7.1.2		-	-
18.4.3.7.2 Corridor Doors.					
	•	18.4.3.7.2.1		N/R	-
	•	18.4.3.7.2.2		N/R	-
	•	18.4.3.8 Subdivision of Building Space (Nonsprinklered Smoke Compartment Rehabilitation).		-	-
<b>18.5 Building Services.</b>					
18.5.1 Utilities.					
	•	18.5.1.1		N/R	-
	•	18.5.1.2		N/R	-
	•	18.5.1.3		N/R	-
<b>18.5.2 Heating, Ventilating, and Air-Conditioning.</b>					
	•	18.5.2.3		N/R	-
<b>18.5.4 Rubbish Chutes, Incinerators, and Laundry Chutes.</b>					
	•	18.5.4.1		N/R	-
	•	18.5.4.2		N/R	-
	•	18.5.4.3		N/R	-
	•	18.5.4.4		N/R	-