



General Guide for Plans Examination Life and Fire Safety

Examiner: _____ Date: _____

Project: _____

Address: _____

Municipality: _____

Designer: _____ Ph#: _____

The applicable sentence(s) and the page number, in (brackets), from the NBC (1995) follow guide items. Applicable Part 9 NBC references and page numbers follow in [brackets]. NFC (1995) references are immediately below guide items and shown in *Italics* identifying the sentence(s) and the page number in (brackets).

NBC requirement	Part 3 reference	Part 9 reference	Page numbers
<input type="checkbox"/> Exterior Exit:	3.1.13.10.	9.9.7.1.	(49) [204]
<input type="checkbox"/> <i>Partitions and Screens:</i>	<i>2.3.1.2.</i>		(16)
<i>NFC requirement</i>			

This Guide offers information on typical building (structural) projects, and includes special project guides on certain non-structures that may be subject to plans examination. The Guide is designed for use by persons fully conversant with life and fire safety requirements from both building and fire codes, but may offer assistance to other persons. The Guide draws attention to the essential fire and life safety items that should be considered on the majority of projects. Information on structural stability, health, security and other aspects of building construction are not included within this Guide.

The Guide does not provide a “checklist” and additional references from building and fire codes, but not included in the Guide, may apply to a project.

The Guide may also be used to record details of the plans examination by local authority and form part of the records maintained on buildings within a municipality.



If you use this guide, your comments and suggestions on improving it would be greatly appreciated.



General Guide for Plans Examination Life and Fire Safety

Sprinklers: 3.2.2.18. (54)
 Fire resistance waived for sprinkler protection: 9.10.8.2. [209]

Storeys		1	2	3	4	5	6	>6
Group-Division	Streets	If Building Area Exceeds Maximum Permitted Area M² Sprinklers and/or Subdivision by Fire Wall Required						
A-1	1							
A-2	3.2.2.28. for small A-2							
	1	1600	800					
	2	2000	1000					
	3	2400	1200					
A-3	3.2.2.32. & .34. for small A-3							
	1	4000	2000					
	2	5000	2500					
	3	6000	3000					
A-4	1	3.2.2.35.(4) sprinklers under seating used as an occupancy						
B-1	1							
B-2	1							
C	3.2.2.46. & .47. for exceptions							
	1		6000	4000				
	2			5000				
	3			6000				
D	3.2.2.53. & .55. for exceptions							
	1		7200	4800	3600	2880	2400	
	2			6000	4500	3600	3000	
	3			7200	5400	3200	3604	
E	3.2.2.61. for exception							
	1	1500	1200	800				
	2	1500	1200	1000				
	3	1500	1500	1500				
F-1	1	800						
F-2	3.2.2.71. for exception							
	1	1500	1500	1070				
	2	1500	1500	1340				
	3	1500	1500	1500				
F-3	3.2.2.76., .78., .80., & .83. for exceptions							
	1		7200	4800	3600	2880	2400	
	2		9000	6000	4500	3600	3000	
	3		10800	7200	5400	3200	3604	

Additional Sprinkler and Fire Suppression Systems - NBC

- Care and Boarding Facilities: 3.1.2.5. 9.10.2.2. (30) [207]
- Kitchen Suppression Systems: 6.2.2.6. 9.10.1.4. (171) [207]

Additional Sprinkler and Fire Suppression Systems - NFC

- General Indoor Storage ISA: 3.2.3.2. & 3.2.3.3. (30)
- Tire Storage: 3.2.4.3. (31)
- Aerosol Storage: 3.2.5.5. (31)
- Combustible Fibers: 3.2.6.3 & 3.2.6.4. (32)
- Dangerous Goods Storage: 3.2.7.5. & 3.2.7.9. (34)(36)
- Waiver of Sprinkler: 3.2.7.9.(2)(b)(ii) (36)
- Ammonium Nitrate Storage: 3.2.9.7. (38)
- Outdoor Storage (all commodities): 3.3.2.15. (40)
- Flam/Comb Liquids (General): 4.1.5.2. (44)
- Flam/Comb Liquids (Mercantile): 4.2.5.1. (49)



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Provisions for Fire Fighting and Occupant Safety

<input type="checkbox"/> Access to buildings:	3.2.5.1.	9.10.19.1.	(87) [223]
.....	2.5.1.1.& 2.5.1.2.		(18)
<input type="checkbox"/> Access to basements:	3.2.5.2.	9.10.19.2.	(87) [223]
<input type="checkbox"/> Access to roof:	3.2.5.3.		(87)
.....	2.5.1.3.		(19)
<input type="checkbox"/> Access to Attics and Roof Spaces:	3.6.4.4.	9.19.2.1.	(125) [238]
<input type="checkbox"/> Access to Crawlspace:	3.6.5.2.	9.18.2.1.	(125) [237]
<input type="checkbox"/> Access to Horizontal Service Spaces:	3.6.4.5.		(125)
<input type="checkbox"/> Fire department access:	3.2.5.4.	9.10.19.3.	(87) [224]
<input type="checkbox"/> Location of Access Routes:	3.2.5.5.		(87)
<input type="checkbox"/> Design of Access Routes:	3.2.5.6.		(88)
.....	2.5.1.5.		(19)
<input type="checkbox"/> Emergency Access to Floor areas (+6 storeys):	3.4.6.17.		(119)
<input type="checkbox"/> Floor Numbering/Signs:	3.4.6.18.		(119)
<input type="checkbox"/> Access to Covered Malls:	2.12.15.		(25)
<input type="checkbox"/> Access Aisles – Storage General and Flam/Comb Liquids:	3.2.2.2. & 4.2.7.9.		(29)(52)
<input type="checkbox"/> Clearances for Fire Fighting:	3.2.2.3.		(29)
<input type="checkbox"/> Outdoor Storage:	3.2.2.5.		(39)
<input type="checkbox"/> Indoor Dangerous Goods:	3.2.7.12.		(36)
<input type="checkbox"/> Tire Storage:	3.3.3.3.		(41)
<input type="checkbox"/> Outdoor Container Flam/Comb Liquid:	4.2.11.3.		(55)
<input type="checkbox"/> Tank Storage Flam/Comb Liquid:	4.3.2.4. & 4.3.7.5.		(57)(60)
<input type="checkbox"/> Industrial ovens:	5.6.1.12.		(102)
<input type="checkbox"/> Location of fire department connection:	3.2.5.16		(90)
.....	2.5.1.4.		(19)
<input type="checkbox"/> Fire extinguishers:	3.2.5.17	9.10.19.4.	(90) [224]
<input type="checkbox"/> Location:	6.2.1.3.		(107)
<input type="checkbox"/> Exception for B-1 Occupancy:	3.2.5.17.		(90)
<input type="checkbox"/> Elevator capability to hold Stretcher:	3.5.4.1.		(121)

Additional Fire Extinguishers- NFC

<input type="checkbox"/> Flaming meal/drink serving carts:	2.4.3.3.		(18)
<input type="checkbox"/> Boarding/Lodging Homes:	2.11.2.1.		(25)
<input type="checkbox"/> Indoor Tire Storage:	3.2.4.5.		(31)
<input type="checkbox"/> Outdoor Storage Vehicles:	3.2.2.10.		(40)
<input type="checkbox"/> Fuel Dispensing Stations:	4.5.10.1.		(78)
<input type="checkbox"/> Bulk Plants:	4.6.5.1.		(80)
<input type="checkbox"/> Piers/Wharves:	4.7.6.1.		(81)
Distilleries: <input type="checkbox"/> At exits:	4.9.8.1.(2)		(85)
<input type="checkbox"/> On Vehicles:	4.9.8.1.(4)		(85)
<input type="checkbox"/> Tank Vehicles:	4.11.2.1.		(87)
<input type="checkbox"/> Machines producing wood dust/shavings/particles:	5.3.2.3.		(92)
<input type="checkbox"/> Commercial Cooking equipment:	6.2.3.6.		(109)
<input type="checkbox"/> Water supply for fire fighting:	3.2.5.7		(88)
<input type="checkbox"/> Process Plants.....	4.8.4.3.		(84)
<input type="checkbox"/> General.....	Section 6.6		(113)
<input type="checkbox"/> Requirements for standpipes and hose connections:	3.2.5.8. - 3.2.5.11.		(88-89)
<input type="checkbox"/> Tank storage rooms:	4.3.13.4.		(65)
<input type="checkbox"/> Distilleries:	4.9.8.2.		(85)
<input type="checkbox"/> Grain Facilities (limitation on nozzles):	5.3.3.4.		(93)
<input type="checkbox"/> Industrial Ovens:	5.6.1.11.		(102)
<input type="checkbox"/> In Lieu of Fire Extinguishers:	6.2.3.4.		(108)
<input type="checkbox"/> General:	Section 6.4		(110)



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Interior Finish – Flame Spread/Smoke Development:	3.1.12.		
(46)			
<input type="checkbox"/> Combustible Construction:	3.1.4		(31)
<input type="checkbox"/> Noncombustible Construction (general):	3.1.5		(32)
<input type="checkbox"/> Noncombustible Construction:	3.1.13.8.		(48)
<input type="checkbox"/> Tents/Air Supported Structures:	3.1.6.5.		(38)
<input type="checkbox"/> Rating Determination:	3.1.12.1.	9.10.3.2.	(46) [208]
<input type="checkbox"/> Calculation of Wall/Ceiling Area:		9.10.16.6.	[221]
<input type="checkbox"/> Wall/Ceiling/Glazing/Skylights:	3.1.13.2.	9.10.16.1.	(47) [221]
<input type="checkbox"/> Residential Bathrooms:	3.1.13.3.	9.10.16.11.	(47) [222]
<input type="checkbox"/> Skylight limits:	3.1.13.5.	9.10.16.9.	(47) [221]
<input type="checkbox"/> Light Diffusers/Lenses:	3.1.13.4.	9.10.16.8.	(47) [221]
<input type="checkbox"/> Corridors:	3.1.13.6.	9.10.16.5.	(47) [221]
<input type="checkbox"/> Ceilings:		9.10.16.2.	[221]
<input type="checkbox"/> Containing an Occupancy:		9.10.16.7.	[221]
<input type="checkbox"/> High Buildings:	3.1.13.7.		(48)
<input type="checkbox"/> Underground Walkways:	3.1.13.9		(49)
<input type="checkbox"/> Exterior Exit:	3.1.13.10.	9.10.16.4.	(49) [221]
Walls in Exits:		9.10.16.3.	[221]
<input type="checkbox"/> Foamed Plastic Insulation:		9.10.16.10.	[221]
Exception for insulation:		9.25.2.2.	[272]
<input type="checkbox"/> <i>Partitions and Screens:</i>	2.3.1.2.		(16)
<input type="checkbox"/> <i>Decorative Materials:</i>	2.3.1.3.		(16)
<input type="checkbox"/> <i>Drapes, Curtains Decorative materials:</i>	2.3.2.1.		(17)
<input type="checkbox"/> <i>Hospital textiles:</i>	2.3.2.3.		(17)

Fire Separations and Closures

<input type="checkbox"/> Support of fire separations:	3.1.8.2.	9.10.9.8. & 9.10.9.9	(38) [211]
<input type="checkbox"/> Closures:	3.1.8.4. - 3.1.8.5.	9.10.13.1	(39) [215]
<input type="checkbox"/> Self closing devices:	3.1.8.11.	9.10.13.10.	(40) [216]
<input type="checkbox"/> Hold open devices:	3.1.8.12.	9.10.13.11.	(41) [216]
<input type="checkbox"/> Maximum dimensions of openings:	3.1.8.6.	9.10.13.8.	(39) [215]
<input type="checkbox"/> Fire dampers:	3.1.8.7. & 3.1.8.9.	9.10.13.13.	(39) [216]
<input type="checkbox"/> Dampers Waived:	3.1.8.8.	9.10.13.13.(2-5)	(40) [216]
<input type="checkbox"/> Fire Stop Flaps:		9.10.13.4.	[216]
<input type="checkbox"/> 20 minute closures:	3.1.8.10.		(40)
<input type="checkbox"/> Solid Wood Core Door:		9.10.13.2.	[215]
<input type="checkbox"/> Unrated Wood Frames:		9.10.13.3.	[215]
<input type="checkbox"/> Steel Frames:		9.10.13.6.	[215]
<input type="checkbox"/> Latches:	3.1.8.13.		(41)
<input type="checkbox"/> Wired glass and glass block in fire separations	3.1.8.14. & 3.1.8.16.		(41)
<input type="checkbox"/> Temperature Rise Limitations (Closures, Glass & Glass Block)	3.1.8.15.		(41)
Waiver of Temperature Rise Limitations:	3.1.8.17.		(41)
<input type="checkbox"/> <i>Protective Guarding Devices:</i>	2.2.2.3.		(16)

Service Penetrations

<input type="checkbox"/> Fire stopping of services:	3.1.9.1.		(42)
<input type="checkbox"/> Non combustible Penetrations:	3.1.9.2.		(43)
<input type="checkbox"/> Electrical wiring and boxes:	3.1.9.3.		(43)
<input type="checkbox"/> Combustible Piping:	3.1.9.4.		(43)
<input type="checkbox"/> Combustible sprinkler piping:	3.2.5.14.		(89)

Fire Separation Requirements

<input type="checkbox"/> Roof occupancy:	3.2.2.13.		(53)
<input type="checkbox"/> Separation of buildings connected by covered vehicular:	3.2.3.17.		(81)
<input type="checkbox"/> Separation of buildings connected by walkways:	3.2.3.18		(81)



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<input type="checkbox"/> Requirements for underground walkways:	3.2.3.19.	(81)
<input type="checkbox"/> All Suites:	3.3.1.1.	(96)
<input type="checkbox"/> Hazardous storage rooms:	3.3.1.2.	(96)
<input type="checkbox"/> Public corridor:	3.3.1.4.	(97)
<input type="checkbox"/> Janitor's rooms:	3.3.1.20.	(101)
<input type="checkbox"/> Common laundry rooms:	3.3.1.21.	(101)
<input type="checkbox"/> Welding/Cutting Area:	3.3.1.24.	(101)
<input type="checkbox"/> A-1 +200 persons:	3.3.2.2.	(102)
<input type="checkbox"/> Classroom corridor:	3.3.2.5.	(103)
<input type="checkbox"/> Theatres:	3.3.2.12.	(104)
<input type="checkbox"/> Repair Garage and B Occupancies:.....	3.3.3.2.	(105)
<input type="checkbox"/> Hospital and Nursing Homes:	3.3.3.5.	(105)
<input type="checkbox"/> Area of Refuge:	3.3.3.6.	(106)
<input type="checkbox"/> Contained Use:	3.3.3.7.	(106)
<input type="checkbox"/> Impeded Egress Zone:	3.2.2.19.	(54)
<input type="checkbox"/> Residential suites:	3.3.4.2.	(106)
<input type="checkbox"/> Storage Rooms (not in suite):.....	3.3.4.3.	(107)
<input type="checkbox"/> Repair garage:	3.3.5.5.	(109)
<input type="checkbox"/> Storage Garage:	3.3.5.6.	(109)
<input type="checkbox"/> Vestibules - storage garage:	3.3.5.7.	(109)
<input type="checkbox"/> Multiple Tenant Self Storage Warehouse:	3.3.5.9.	(109)
<input type="checkbox"/> Service Facilities/Rooms:	3.6.2.1.	(122)
<input type="checkbox"/> Waiver for service equipment facilities:	3.6.2.2.	(122)
<input type="checkbox"/> Restricted Use of Service Spaces:.....	3.6.1.3.	(121)
<input type="checkbox"/> Vertical service spaces:	3.6.3.1.	(123)
<input type="checkbox"/> <i>Restricted Use of Ventilation Shafts:</i>	2.6.1.7.	(19)
<input type="checkbox"/> Top and bottom of vertical service space:	3.6.3.1.	(123)
<input type="checkbox"/> Vertical transportation and Dumbwaiter shafts:	3.5.3.1. & 3.5.3.2.	(120)
<input type="checkbox"/> Elevator machine rooms:	3.5.3.3.	(121)
<input type="checkbox"/> Service rooms:	3.6.2.1.	(122)
<input type="checkbox"/> Restriction on Doors:	3.4.4.4.(7)	(114)
<input type="checkbox"/> Horizontal service space:	3.6.4.2.	(124)
<input type="checkbox"/> Combustible Refuse Rooms:	3.6.2.6.	(122)
<input type="checkbox"/> Refuse & Laundry Chutes:	3.6.3.3.	(124)
<input type="checkbox"/> Electrical equipment vaults:	3.6.2.8.	(123)
<input type="checkbox"/> <i>Limited Use:</i>	2.6.3.1.	(20)
<input type="checkbox"/> <i>Security:</i>	2.6.3.2.	(20)
<input type="checkbox"/> Incinerator Room:.....	3.6.2.5.	(123)
 Additional Fire Separations - NFC		
<input type="checkbox"/> <i>Type B Aerosol Storage:</i>	3.2.5.7.	(32)
<input type="checkbox"/> <i>Combustible Fibers:</i>	3.2.6.3.	(32)
<input type="checkbox"/> <i>Oxidizers and Reactive Substances:</i>	3.2.7.5.	(34)
<input type="checkbox"/> <i>Dangerous Goods Storage – Alternative to Sprinkler:</i>	3.2.7.9.(2)(b)(ii)	(36)
<input type="checkbox"/> <i>Flammable Gas Cylinders (2.1):</i>	3.2.8.2.	(37)
<input type="checkbox"/> <i>Oxidizing Gas Cylinders:</i>	3.2.8.3.	(37)
<input type="checkbox"/> <i>Flam/Comb Liquid Group D:</i>	4.2.6.3.	(49)
<input type="checkbox"/> <i>Flam/Comb Liquid Group F:</i>	4.2.7.5.	(50)
<input type="checkbox"/> <i>Flam/Comb Liquid Storage Room:</i>	4.2.9.1.	(53)
<input type="checkbox"/> <i>Indoor Storage Tanks:</i>	4.3.12.5.	(64)
<input type="checkbox"/> <i>Process Plants:</i>	4.8.3.2.	(83)
<input type="checkbox"/> <i>Spray Coating – Alternative to Sprinkler:</i>	5.4.2.1.	(93)
<input type="checkbox"/> <i>Dip Coating:</i>	5.5.2.1.	(99)
<input type="checkbox"/> <i>Dip Coating Salvage Tanks:</i>	5.5.5.9.	(101)
<input type="checkbox"/> <i>Laboratory:</i>	5.7.2.2.	(104)



**General Guide for Plans Examination
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Egress and Exit Requirements

Occupant load:

Design Load: (Floor Area divided by Area per person): 3.1.16.1. (49)

Room	Area M2	Area per Person M2	Design Occupant Load

Actual Load: (Usable Floor Space divided by 0.4m2/person): 2.2.1.3. (21)

Room	Area M2	Usable Floor Space M2	Unusable Floor Space M2	Actual Occupant Load

NOTE: Occupant load shall not exceed the calculated occupant load or the occupant load for which means of egress have been provided: 3.4.3.2. (112)

Egress

- Means of Egress: 3.3.1.3. & 3.3.1.5. (96)(97)
- Travel Distance (Egress): 3.3.1.6. (98)
- Design and Protection:
 - Barrier Free: 3.3.1.7. (98)
 - Headroom: 3.3.1.8. (99)
 - Corridors: 3.3.1.9. (99)
 - Obstruction: 3.3.1.9.(3) (99)
 - Dead-end: 3.3.1.9.(7) (99)
 - B Occupancy Corridors: 3.3.3.3. (105)
 - Door Swing: 3.3.1.10. (99)
 - Service Space Exceptions:..... 3.6.2.7. (122)
 - Sliding Doors: 3.3.1.11. (99)
 - Width & Hardware: 3.3.1.12. (99)
 - Obstructions: 3.3.1.22. (101)
 - B-2 Occupancy: 3.3.3.4. (105)
 - Ramps/Stairs: 3.3.1.13. (100)
 - Exterior: 3.3.1.14. (100)
 - Curved/Spiral Stairs: 3.3.1.15. (100)
 - Capacity: 3.3.1.16. (100)
 - Guards: 3.3.1.17. (100)
 - Transparent Doors: 3.3.1.18. (100)
- Dwelling Units: 3.3.4.4. (107)

Aisle Ways:

- Open Floor Areas: 2.7.1.2. (20)
- Fixed Seats: 3.3.2.3. (102)
- Nonfixed Seating: 2.7.1.5. (21)
- Assembly Occupancy: 3.3.2.4. (102)
- Fixed Bench Seating: 3.3.2.7. (103)
- Outdoor Assembly: 3.3.2.9. (103)
- Bleachers: 3.3.2.10. (104)



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Exits

<input type="checkbox"/> Minimum Number:	3.4.2.1.	(110)
<input type="checkbox"/> Mezzanines:	3.4.2.2.	(110)
<input type="checkbox"/> Interconnected Floors:	3.2.8.5.	(95)
<input type="checkbox"/> Travel Distance:	3.4.2.4. & 3.4.2.5.	(111)
<input type="checkbox"/> Width:	3.4.3.1.	(112)
<input type="checkbox"/> Interconnected Floor:	3.4.3.3.	(112)
<input type="checkbox"/> Permitted Reduction:	3.4.3.5.	(113)
<input type="checkbox"/> Height:	3.4.3.6	(113)
Capacity:	3.4.3.4.	(112)
<input type="checkbox"/> Convergence:	3.4.1.2.	(109)
<input type="checkbox"/> A-1, A-2, A-3, C, D, E & F Occupancies:		
6.1 mm/person in corridors, passageways, doorways and slopes up to 1:8.		
8 mm/person for stairs with a rise of 180mm or less and a run of 280mm or greater.		
9.2 mm/person for ramps or stairs (other than described for 8mm/person).		
<input type="checkbox"/> B Occupancy:		
18.4 mm/person		
<input type="checkbox"/> A-4 Occupancy:		
1.8 mm/person in aisles, stairs (other than exit), ramps, passageways, exits and vomitories.		
2.4 mm/person in exit stairs.		

Types:	3.4.6.	(114)
<input type="checkbox"/> Exterior:	3.4.1.5.	(110)
<input type="checkbox"/> Stairs and Ramps:		
<input type="checkbox"/> Slip resistance:	3.4.6.1.	(114)
<input type="checkbox"/> Minimum Risers:	3.4.6.2.	(115)
<input type="checkbox"/> Riser Exception A-2 (food/beverage):	3.3.2.13.	(105)
<input type="checkbox"/> Ramp Slope:	3.4.6.6.	(116)
<input type="checkbox"/> Treads & Risers:	3.4.6.7.	(116)
<input type="checkbox"/> Curved Stairs:	3.4.6.8.	(116)
<input type="checkbox"/> Stairs & Landings:	3.4.6.3.	(114)
<input type="checkbox"/> Handrails:	3.4.6.4.	(115)
<input type="checkbox"/> Guards:	3.4.6.5.	(115)
<input type="checkbox"/> Horizontal:	3.4.6.9.	(116)
Restrictions on Horizontal:	3.4.1.6.	(110)

Separation

<input type="checkbox"/> Integrity of:	3.4.4.4.	(114)
<input type="checkbox"/> Distance between:	3.4.2.3.	(110)
<input type="checkbox"/> Fire Resistance:	3.4.4.1.	(113)
<input type="checkbox"/> Exterior Passageway Exceptions:	3.4.4.3.	(113)
<input type="checkbox"/> Lobbies:	3.4.4.2.	(113)
<input type="checkbox"/> Service Equipment under:	3.6.2.3.	(122)

Doors and Hardware:

Doors General:	3.4.6.10.	(116)
<input type="checkbox"/> Direction of Swing:	3.4.6.11.	(117)
<input type="checkbox"/> Sliding Doors:	3.4.6.13.	(117)
<input type="checkbox"/> Security in Banks/Mercantile Occupancies:	3.4.6.16.	(118)
<input type="checkbox"/> Revolving Doors:	3.4.6.14.	(117)
<input type="checkbox"/> Corridor Doors:		
<input type="checkbox"/> Self Closing Devices:	3.4.6.12.	(117)
<input type="checkbox"/> Release Hardware:	3.4.6.15.	(117)
<input type="checkbox"/> F-1 Occupancies and Occupant Load of 100+:	3.4.6.15.(2)	(117)
<input type="checkbox"/> Fire Escapes: (design/construction)	3.4.7.	(119)
<input type="checkbox"/> Not Permitted:	3.4.7.1.(1)	(119)
<input type="checkbox"/> Slide Escapes:	3.4.1.7.	(110)



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- Exit Signs:** 3.4.5.1. (114)
 - Basements below Exterior Exit level signage: 3.4.5.2. (114)
- Fire Alarm Systems** 3.2.4 (81-87)
 - Buildings requiring fire alarm system: 3.2.4.1. (81)

<input type="checkbox"/>	Automatic Sprinkler System installed	3.2.4.1.1	
Nonsprinklered buildings containing:			
<input type="checkbox"/>	Contained Use Area	3.2.4.1. (2)a	And 3.3.3.7.
<input type="checkbox"/>	Impeded Egress Zone	3.2.4.1. (2)b	And 3.2.2.19.
<input type="checkbox"/>	3+ Storeys (include basement(s))	3.2.4.1. (2)c	
<input type="checkbox"/>	Occupant Load 300+	3.2.4.1. (2)d	
<input type="checkbox"/>	Occupant Load 150+ above/below 1 st Storey	3.2.4.1. (2)e	
<input type="checkbox"/>	School/Child Care 40+ Occupant Load	3.2.4.1. (2)f	
<input type="checkbox"/>	Licensed Beverage or Restaurant 150+ Occupant Load	3.2.4.1. (2)g	
<input type="checkbox"/>	F-2 or F-3, 75+ occupant load above/below 1 st Storey	3.2.4.1. (2)h	
<input type="checkbox"/>	Sleeping for 10+ in C	3.2.4.1. (2)i	
<input type="checkbox"/>	F-1, 25+ Occupant Load	3.2.4.1. (2)j	
<input type="checkbox"/>	Occupant Load 300+ below Open Air Seating	3.2.4.1. (2)k	

- Fire alarm systems (General): 3.2.4.2. (82)
 - Throughout:
 - Firewall Division: no openings other than service penetrations
 - Separate Occupancy: 3 or less storeys, 1 hour vertical separation, no openings other than service
- Types/Description - by Occupancy: 3.2.4.3. & 3.2.4.4 (82)
- Installation/Testing: 3.2.4.5. (83)
- Silencing Signals: 3.2.4.6. (83)
- Signals to FD/Other: 3.2.4.7. (83)
 - Group A -occupant load 300+:
 - Buildings - sprinkler systems:
 - 2 stage systems:
 - Call FD Notice Signs:
- Zones & Annunciator: 3.2.4.8. (83)
 - Sprinkler Monitoring: 3.2.4.16. (85)
 - Central Vacuum Stop: 3.2.4.13. (84)
 - Elevator Return: 3.2.4.14. (84)
- Electrical supervision:..... 3.2.4.9. (84)
- Fire Detectors: 3.2.4.10. (84)
 - Sprinklers in lieu of fire detectors: 3.2.4.15. (85)
- Smoke Detectors: 3.2.4.11. (84)
 - Air handling equipment:..... 3.2.4.12. (84)
- Manual pull stations locations: 3.2.4.17. (85)
- Alert/Alarm Signals: 3.2.4.19. (85)
 - Audibility: 3.2.4.19. (85)
- Visual signals: 3.2.4.20. (86)
- Voice Communications: 3.2.4.22. (86)
- Smoke alarms 3.2.4.21. (86)
- Smoke Alarms* 2.1.3.3. (86)

[15]

Other Alarm/Notification Systems - NFC

- Smoke alarms:* 2.1.3.3. (15)
- Tents and Air Supported Structures:* 2.9.3.5. (24)
- Roof Helicopter Pads (telephone):* 2.13.2.2. (26)
- Telephone: (unattended fuel dispensing):* 4.5.8.4. (77)



**General Guide for Plans Examination
Life and Fire Safety**

Emergency Lighting and Power

- Minimum Lighting Levels: 3.2.7.1. (93)
 - Recessed lighting fixtures: 3.2.7.2. (93)
- Locations required: 3.2.7.3. (93)
- Duration: 3.2.7.4. (93)
 - Battery Units Design: 3.2.7.4.(2) (93)
- Hospital/Nursing Homes: 3.2.7.6. (93)
 - Emergency Power Generator Fuel Shut-Off: 3.2.7.7 (93)
- Fire alarm systems: 3.2.7.8. (94)
- Building services power: 3.2.7.9. (94)

Service Equipment

- Vertical Exhaust Duct Pressure: 3.6.3.4. (124)
- Plenums: 3.6.4.3. (124)
- Air Duct/Plenum Systems: 3.6.5.1. (125)
- Coverings for Ducts: 3.6.5.2. – 3.6.5.5. (125)
- Coverings for Ducts: 9.33.6.4. [308]
- Clearances: 3.6.5.6. (127)
- Return Air Systems: 3.6.5.8. (127)
- Coal and Wood Bins: 2.6.1.2. (19)

Fire/Life Safety:

- Emergency Planning:** 2.8.1.1. (22)

	Criteria	
<input type="checkbox"/>	Assembly, Care or Detention Occupancy	
<input type="checkbox"/>	Fire Alarm required in Building?	
<input type="checkbox"/>	Demolition and Construction Sites	
<input type="checkbox"/>	Flammable and Combustible Liquids Storage/Handling	
<input type="checkbox"/>	Hazardous Processes Occupancy	
<input type="checkbox"/>	Storage Occupancies	

- Basic Elements – Fire Safety Plan:* 2.8.2.1. (22)
- Additional Elements for:**
- High Buildings:* 2.8.2.4. (23)
 - Construction/Demolition Sites:* 2.14.1.2. (26)
 - Fire Safety at Demolition Sites: 8.2.2. (180)
 - Fire Safety at Construction Sites: 8.2.3. (181)
 - Dangerous Goods Storage:* 3.1.2.6. (28)
 - Indoor Storage:* 3.2.2.6. (39)
 - Flam/Comb Liquids Storage/Handling:* 4.1.5.6. (44)



General Guide for Plans Examination Fuel Dispensing

Fuel Dispensing Stations - NFC

Fuel dispensing may be in combination with other occupancies (Group A-2 [restaurant], E [retail sales] and F-2 [repair garage] primarily). The related structure(s) should be reviewed to the Guide Items in the Life and Fire Safety section. The following items refer to the fuel dispensing operation only, and addresses those items related to plans examination.

Defined:1.2.1.2. (11)

The definition does not identify "retail" or other condition. The regulations apply to every installation where fuel is dispensed into a vehicle tank including privately owned/operated/used fuel dispensing sites. The exceptions are:

Farms:4.1.1.1.(3) (43)

Special Conditions:4.1.8.4. (47)*

* Special conditions include the refueling of vehicles at a construction site where it would be impractical to move the vehicle to a fuel dispensing station.

U/G Tanks:Section 4.3 (55)

- Tank type permitted:4.3.1.2.(1) (55)
- Location/Clearances:4.3.8.1. (60)
 - Installation:4.3.8.5. (61)
 - Protection against and Repair of Damage:4.3.8.3 & 4.3.8.4. (61)
 - Ground Cover over U/G Tanks:4.3.8.2. (61)
 - Spillage:4.3.8.8. (61)
- Anchorage:4.3.8.9. (61)
- Leak Test:4.3.8.6. (61)
 - Tests:4.3.15.1. (65)
- Corrosion Protection:4.3.9. (61)

Openings in U/G Tanks:

- Vents:4.3.10. (62)
 - Vent Termination Clearances:4.3.10.3. (63)
 - Interconnection of Vents:4.3.10.4 (62)
- Other Openings:4.3.11. (62)
 - Location/Clearances Openings:4.3.11.3. (62)
- Spill/Leakage Control:4.3.16.1. (66)
 - Continuous Leakage Detection:4.3.16.2. (66)

A/G Tanks:

- Tank type permitted:4.3.1.2. (1) (55)
- Max # Tanks & Capacity:4.5.2.1. (73)
- Location/Clearances:4.3.2.1. (56)
 - Between Tanks:4.3.2.2. (57)
 - To LPG Cylinders/Tanks:4.3.2.3. (57)
- Corrosion Protection:4.3.1.5. (56)
- Support & Foundations:4.3.3.1. (58)
 - Flooding protection:4.3.3.3. (58)
 - Collision Protection:4.5.2.1. (3) (73)
- Access:4.3.2.4. (57)
 - Unauthorized Access Protection:4.5.2.1. (73)
- Leakage Testing:4.3.2.5. (58)
- Spill Control:4.1.6.1. (44)

Secondary containment for A/G tanks may be incorporated in the tank or provided for single wall tanks by a containment system. All A/G tanks (single and double wall) are required to have spill control in conformance with 4.1.6.1. (44).

- Secondary Containment A/G Tanks:**4.3.7.1. (59)
 - Construction:4.3.7.2. (59)
 - Liners:3.3.7.2.(2) (59)
 - Capacity:4.3.7.3. (60)
 - Tank Clearances:4.3.7.4. (60)
 - Access to:4.3.7.5. (60)



General Guide for Plans Examination Fuel Dispensing

<input type="checkbox"/> Venting:	4.3.7.6.	(60)
<input type="checkbox"/> Leak Detection:	4.3.7.7.	(60)
<input type="checkbox"/> Drainage:	4.3.7.8.	(60)
Piping:	4.4.1.1.(2)(c)	(67)
<input type="checkbox"/> Materials:	4.5.2.8.	(74)
<input type="checkbox"/> Corrosion Protection:	4.5.2.9.	(74)
<input type="checkbox"/> Supports/Guards/Protection:	4.5.2.10 & 4.4.10.3.	(74)(71)
<input type="checkbox"/> Leak Testing:	4.4.6.1.-4.4.6.7.	(68)(69)
Dispensers:		
<input type="checkbox"/> Type:	4.5.3.1.	(74)
<input type="checkbox"/> Location:	4.5.3.2.	(74)
<input type="checkbox"/> Collision protection:	4.5.3.3.	(75)
<input type="checkbox"/> Shut off devices:	4.5.4.1.	(75)
<input type="checkbox"/> Self-Serve:	4.5.4.2.	(75)
<input type="checkbox"/> Marine:	4.5.4.3.	(75)
<input type="checkbox"/> Delivery Hose:	4.5.5.1.	(75)
<input type="checkbox"/> Nozzles:	4.5.5.2.	(75)
<input type="checkbox"/> Hold Open Restriction for Marine:	4.5.5.2.(2)	(75)
<input type="checkbox"/> Spill Control (Dispensing Area):	4.5.7.1.	(76)
Supervision of Dispensing:		
<input type="checkbox"/> Attended:	4.5.8.1.	(76)
<input type="checkbox"/> Self Serve:	4.5.8.2.	(76)
<input type="checkbox"/> Instructions:	4.5.8.2. (1)	
<input type="checkbox"/> Control Console Location:	4.5.8.2. (2)(3)	
<input type="checkbox"/> Communications for Dispensing:	4.5.8.2. (4)	
<input type="checkbox"/> Emergency Shut Off:	4.5.8.2. (5)	
<input type="checkbox"/> Key/Card Lock:	4.5.8.4.	(77)
<input type="checkbox"/> Limitation on Use:	4.5.8.4.(1)(3)	
<input type="checkbox"/> Dispenser Type:	4.5.8.4. (2)	
<input type="checkbox"/> Instructions:	4.5.8.4. (4)	
<input type="checkbox"/> Telephone required:	4.5.8.4. (5)	
<input type="checkbox"/> Emergency Procedure Signage:	4.5.8.4. (6)	
<input type="checkbox"/> Signs:	4.5.8.8.	(78)
Fuel Dispensing at Bulk Facilities:		
<input type="checkbox"/> Limitation on Location:	4.6.3.2.	(79)
<input type="checkbox"/> Remote Pumps design/Protection:.....	4.5.6.2.	(75)
<input type="checkbox"/> Location of Pumps (clearances/siting):	4.5.6.4.	(76)
<input type="checkbox"/> Emergency Valves:	4.5.6.3.	(76)
<input type="checkbox"/> Leakage Testing:	4.5.6.5.	(76)
<input type="checkbox"/> Marine sites:	4.5.6.6.	(76)
<input type="checkbox"/> Location:	4.5.6.6. (1)(4)	
<input type="checkbox"/> Limitation on Capacity:	4.5.6.6. (2)	
<input type="checkbox"/> Limitation on A/G Tanks:	4.5.6.6. (3)	
<input type="checkbox"/> Valves:	4.5.6.6. (5)	
<input type="checkbox"/> Piping:	4.5.6.6. (6)	



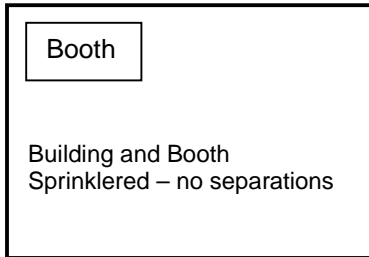
General Guide for Plans Examination Storage of Dangerous Goods

Spray Coating Operations - NFC

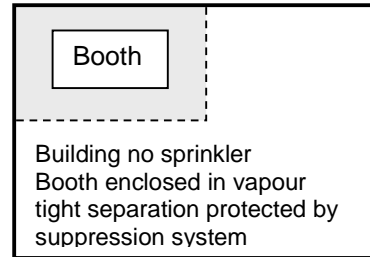
The installation of electrical equipment is regulated by Electrical Safety Branch and is not included within this Guide. The structure should be reviewed to the Guide Items in the Life and Fire Safety section. The following items refer to the spray coating operation only, which may be the primary use of the structure or a very small part of a manufacturing occupancy.

Fire Suppression/Separation (configuration):5.4.2.1. (93)
See Section 3.1.8.and 3.1.9. NBC on separation requirements.

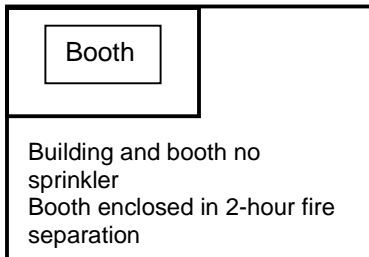
Fully sprinklered:



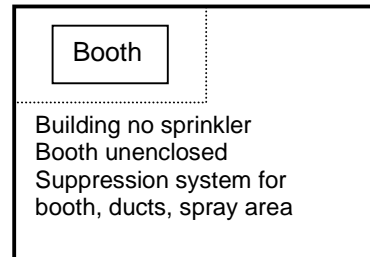
Vapour tight separation/suppression system:



2-hour fire separation:



Suppression only (F-3 Occupancy only):



Spray Booth Construction:5.4.3.1. (93)

Baffles:5.4.3.2. (93)

Blowers:5.4.3.4. (94)

Ventilation:5.4.4.1. (94)

Continuous required:4.1.7.2.(1) (45)

Interlocks required:4.1.7.2.(5) & 5.4.8.1. (45)(95)

Capacity/Volume:4.1.7.2.(3)(4) (45)

At Booth face:5.4.4.2. (94)

Air Inlets/Outlets:4.1.7.3. (45)

Makeup Air:4.1.7.5. (46)

Recirculation of Exhaust Air:5.4.4.4. & 4.1.7.6. (94)(46)

Limitations:4.1.7.6. (46)

Exhaust Ducts:

Construction:5.4.5.1. (94)

Clearances:5.4.5.2. (94)

Access:5.4.5.3. (94)

Number Required:5.4.4.3. (94)

Discharge of:4.1.7.4. (46)

Clearances:5.4.5.4. (94)

Interconnection of:4.1.7.7. (46)

Heating Equipment:5.4.8.3. (95)

Signage Required:

Design/Size:2.4.2.2. (18)

All Coating Areas:5.4.8.4. (95)



General Guide for Plans Examination Storage of Dangerous Goods

- Electrostatic Areas:5.4.11.13. (97)
 - Detearing Sparking Distance:5.4.11.5. (96)
 - Grounding Warning:5.4.11.1. (96)
- Auto Undercoating Areas:5.4.12.13.(2) (97)
- Dry Powder Coating:5.4.13.10. (98)
- Organic Peroxide/Dual Component Coatings:5.4.14.10. (98)

Specific Hazards:

- Pump Relief Valves:5.4.7.4. (95)
- Drying Operations:
 - Restriction:5.4.10.1. (95)
 - Use of Spray Booth for:5.4.10.3. (95)
 - Location:5.4.10.2. (95)
- Electrostatic Coating:
 - Interlocks:5.4.11.3. (96)
- Auto Undercoating:
 - Application:5.4.12.1. (97)*
 - Ventilation:5.4.12.2. (97)
- Dual Component & Organic Peroxide:
 - Location:5.4.14.2 (98)

* Auto Undercoating using Class I liquids must be performed within a spray booth and comply with 5.4.1. through 5.4.9.

Storage and Dispensing of Flam/Comb Liquids:

- Amount in Spray Area:5.4.7.1. (95)
- Storage Facilities:4.2.7.2. & 4.2.7.3. (50)
 - Cabinets:4.2.10. (54)
- Storage Rooms:4.2.9. (53)
 - Maximum Quantity/Fire Separation:4.2.9.1. (53)
 - Spill Control:4.2.9.2. (53)
 - Ventilation:4.2.9.3. (54)
 - Type required:4.1.7.2.(1)&(5) (45)
 - Capacity/Volume of Ventilation:4.1.7.2.(3)(4) (45)
 - Air Inlets/Outlets:4.1.7.3. (45)
 - Makeup Air:4.1.7.5. (46)
 - Recirculation of Exhaust Air:4.1.7.6. (46)
 - Duct Use:4.1.7.7. (46)
- Explosion Venting:4.2.9.6. (54)