

NYS UNIFORM FIRE PREVENTION AND BUILDING CODE

COMMERCIAL & MULTIPLE DWELLING OCCUPANCIES

Owner/Project:
 Building location:
 Designer:
 Designer contact:
 Date:
 Reviewer:
 Code Year used:
 Sprinklered or Non-Sprinklered:
 Climate Zone: B

NYS BUILDING CODE (B)
 NYS FIRE CODE (F)
 NYS PLUMBING CODE (P) NYS
 MECHANICAL CODE (M) NYS FUEL GAS
 CODE (FG)
 NYS ENERGY CODE (E)

No	Topic	Section	Req'd or Allowed	Actual
1	Occupancy	B-302		
2	Type of Construction Materials Comb/Non <u>Fire Resistance</u> Structural Frame Bearing walls Floors Roof construction	B-602 B-Table 601		
3	Bldg Height & Area Tabular Height (feet) Tabular Height (story) Tabular Area	B-503 B-Table 503		
4	Height Modifications Increase allowed Total Height Allowed	B-504.2	Sprinkler	

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5	<p>Area Modifications <u>Area increase formula</u></p> <p><u>Frontage Increase</u> (P) perimeter of bldg (F) frontage of bldg (W) average width</p> <p><u>Sprinkler Increase</u> Single story Multi story</p> <p>Total Area Allowed</p>	<p>B-506.1 Eq 5-1</p> <p>B-506.2 Eq 5-2</p> <p>B-506.3</p>	<p>$A_a = \{A_t + [A_t \times I_f] + [A_t \times I_s]\}$</p> <p>$I_f = [F/P - 0.25]W/30$</p> <p>Min 20' Max 30'</p> <p>300% ($I_s = 3$) 200% ($I_s = 2$)</p>	
6	<p>Area Determination (Cumulative)</p> <p><u>Mixed Occupancy</u> Non-separated Separated uses</p>	<p>506.4</p> <p>506.4.1</p>	<p>3 stories or more $3 \times A_a = \underline{\hspace{2cm}}$</p> <p>Most restrictive x 3</p> <p>Sum of Ratios x 2 (2 story) X 3 (3 story)</p>	
7	<p>Multiple Use Bldg <u>Incidental Use Areas</u></p> <p><u>Mixed Occupancy</u> Accessory Occupancy</p> <p>Non-separated</p> <p>Separated Uses Rating required</p>	<p>B-508.2 B-Tbl 508.2</p> <p>508.3 508.3.1</p> <p>508.3.2</p> <p>508.3.3 Tbl 508.3.3</p>	<p>No effect on Bldg Area Separate/Protect</p> <p><10%, no effect on area Story height limited - T503</p> <p>Most restrictive height and building area</p> <p>Sum of Ratios < 1</p>	
8	<p>Atriums</p> <p>Definition Sprinkler Protection Smoke Control Enclosure Interior Finish Travel Distance</p>	<p>B- 404</p> <p>B- 404.1.1 B- 404.3 B- 404.4 B- 404.5 B- 404.7 B- 404.8</p>		

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13 (a)	Exits - Occupant Load Egress Width (per occupant) Number of Exits Spaces with one Buildings with one Ceiling Height Egress Illumination Emergency Power Exit Signs - where Emergency Power	B-Tbl 1004.1.1 B- 1005.1 B-Tbl 1005.1 B Tbl 1019.1 B Tbl 1015.1 B Tbl 1019.2 B- 1003.2 B- 1006.1 B-1006.3 B- 1011.1 B- 1011.5.3		
13 (b)	Egress Components <u>Doors</u> Door Size Door Swing Operation (locks) Panic Hardware <u>Stairs</u> Width Headroom Tread /Riser Vertical Rise Handrails	 B- 1008.1.1 B- 1008.1.2 B- 1008.1.8 B- 1008.1.9 B-1009.1 B-1009.2 B-1009.3 B-1009.6 B-1012		
13 (c)	Exit Access Remoteness Travel Distance Corridors Fire Rating Width Dead ends	B-1015.2 B-1016.1 B-Tbl 1016.1 B-1017.1 Tab 1017.1 B-1017.2 B-1017.3		

14	H/C ACCESS			
	Exempt Spaces	B-1103.2		
	Route	B-1104.1		
	Multilevel exception	B-1104.4	3000SF aggregate	
	Public Entrances	B-1105.1	60% accessible	
	Parking	B-Tbl 1106.1		
	Dwelling/sleeping units Group R-1, R-2 #/type of units	B-1107 B-1107.6 B-Tb 1107.6.1.1		
Additional Facilities Toilet Facilities	B-1109 B-1109.2			
15	Exterior Wall			
	Water resistive barrier	1403.2		
	Condensation protection Class III allowed	B-1407.3 B-Tab 1407.3.1		
	Combustible Finishes	1406.2 B-T 1406.2.1.2		
Balconies & projections	B-1406.3			
16	Roof Assemblies			
	Performance Req'ts	Chapt 15 Section 1504		
	Gravel/Stone limitation	B-1504.8 B-Tab 1504.8		
	Installation by Material	B-1507		

17	Structural Documentation 1603.1				
	Topic	Information required	Designer documentation	Required/Local conditions	
	1603.1.1 Floor Live	Uniform distributed		Table 1607.1	
		Concentrated			
		Impact			1607.8

17	Structural Documentation 1603.1																																															
	Topic	Information required	Designer documentation	Required/Local conditions																																												
	1603.1.2 Roof live																																															
	1603.1.3 Roof snow	Ground snow P_g Flat roof P_f ($P_f = .7 P_f C_e I C_t$) Exposure C_e Importance I Thermal C_t		Fig 1608.2 ASCE 7 Sec. 7.3 <i>Table 7-2</i> <i>Table 7-4</i> <i>Table 7-3</i>																																												
	1603.1.4 Wind loads	Wind speed Occupancy Category <i>Importance factor I</i> Exposure Internal pressure Components, Cladding		Fig 1609 Tab 1604.5 <i>ASCE 7, Tab 6-1</i> 1609.4																																												
	1603.1.5 Earthquake design	Occupancy Category <i>Importance Factor I</i> S_s and S_1 Soils/Site Class S_{ds} and S_{d1} Seismic Design Cat'y Force resisting system Design base shear Response coef't, C_S Response factor(s), R Analysis procedure		Table 1604.5: _____ Zip _____ S_s _____ S_1 _____ SDC per Tab's 1613.5.6 (1)&(2) Completed by CEO <table border="1"> <thead> <tr> <th rowspan="2">Site</th> <th rowspan="2">S_{ds} S_{d1}</th> <th colspan="3">SDC</th> </tr> <tr> <th>I&II</th> <th>III</th> <th>IV</th> </tr> </thead> <tbody> <tr> <td rowspan="2">A</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td rowspan="2">B</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td rowspan="2">C</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td rowspan="2">D</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Site	S_{ds} S_{d1}	SDC			I&II	III	IV	A									B									C									D								
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17	Structural Documentation 1603.1			
	Topic	Information required	Designer documentation	Required/Local conditions
				E
	1603.1.6 Flood load (1612.5)	Flood Hazard Y/N Elev'n lowest floor Elev'n dry floodproof High velocity wave Y/N Elev'n lowest horizontal member		FIRM/FBFM map date
	1603.1.7 Special loads	List loads and applicable code sections		
	1603.1.8 Special Inspections (Seismic)	Submittal Required FOR: SDC ≥ C Resisting Sys SDC ≥ D Designated Sys SDC ≥ C Components		

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18	Fire Protection Eq'p Supervisory Service	B-901.6		
	Sprinkler Systems Where required	F/B-903 F/B-903.2		
	Alt. Extinguishing Syst's	F/B-904		
	Standpipe Systems	F/B-905		
	Fire Extinguishers	F-906		
	Fire Alarm Systems Where required	F/B-907 F/B-907.2		
	Smoke Alarms	F/B-907.2.10		
	Visible Alarms	F-907.10.1 B-907.9.1		
	Smoke Control System	F-909		
	Smoke Vents	F-910		
	Kitchen Hood Ext'	F-609.8		

No	Topic	Section	Req'd or Allowed	Actual
19	Plumbing Code <u>Fixture Count</u> <u>General Requirements</u> Pipe Freezing Pipe Hangers <u>Water Supply</u> Service Pipe Size Fixture Pipe Size Pipe Material Valves required <u>Sanitary Drainage/Vent</u> DWV Pipe Material Drain Fixture Units Bldg Drain Sizes Stack and Branch size Fixture vent location Waste Vent Size Air Admittance Valves	P-Tbl 403.1 P-305.6 P-Tbl 308.5 P-603.1 P-Tbl 604.5 P-Tbl 605.4 P-606.1, 606.2 P-702 P-Tbl 709.1 P-Tbl 710.1(1) P-Tbl 710.1(2) P-Tbl 906.1 P-Tbl 910.4 P-917		
20	Mechanical Code Ventilation Rates Propane Ventilation Dryer Exhaust Kitchen Exhaust Kitchen Hoods Kitchen Make-Up Air Cooking Fire Supres'n Plenums Fire & Smoke Dampers Combustion Air Confined Spaces–Def.	M-Tbl 403.3 M-502.9.10.1 M-504 M-506 M-507 M-508 M-509 M-602 M-607.5 M-701 M-202	Type 1 hood	

No	Topic	Section	Req'd or Allowed	Actual
21	Fuel Gas Code Appliance Location Combustion Air Clearance Reductions Pipe Material Shut Off Valves Chimney Termination Gas Vent Termination Exit Terminal Location Clothes Dryer Exhaust Unvented Room Heater	FG-303 FG-304 FG-Tbl 308.2 FG-403 FG-409 FG-Fig. 503.5.4 FG-Fig. 503.6.4 FG-503.8 FG-614 FG-621		
22 (a)	Energy Code Climate Zone <u>Compliance Path</u> <input type="checkbox"/> ASHRAE <input type="checkbox"/> Prescriptive <input type="checkbox"/> Total Performance (Mandatory issues) <input type="checkbox"/> ComCheck	E-Tab 301.1 <i>ASHRAE</i> E-502 - 505 E-506 E-501.2 except Software		
23 (b)	Energy Code Prescriptive <u>Building Envelope</u> Opaque elements Fenestration Vapor retarder Mechanical System Service Water Heating Lighting and Power	E-502 E-Tab 502.2(1) E-Tab 502.3 E-502.5 E-503 E-504 E-505		

Notes:

Printed Name: _____

Signed: _____