

## Cobb County Fire & Emergency Services

 <p><b>Fire Marshal's Office</b></p> <p><b>Plan Review</b></p>	<p><b>Tenant Plan Review: Business &amp; Mercantile &gt; 3,000 SF<sup>1</sup></b></p> <p>Job Name: _____</p> <p>Address: _____ Bldg: _____ Suite: _____</p> <p>City: _____ Zip: _____</p> <p>Responsible Party: _____ Phone: _____</p> <p>Email: _____</p> <p><b>GENERAL BUILDING INFORMATION:</b></p> <p>Area of Building: _____ Number of Stories _____</p> <p>Occupancy Type _____ Occupant Load _____</p> <p>Fire Sprinkler System Present Y <input type="checkbox"/> N <input type="checkbox"/> Fire Alarm System Present Y <input type="checkbox"/> N <input type="checkbox"/></p> <p>Scope of Work Letter Y <input type="checkbox"/> N <input type="checkbox"/> Scope of Operations Letter Y <input type="checkbox"/> N <input type="checkbox"/></p>
✓ = Pass, X = Fail, NA = Not applicable	
Status	
<b>DRAWING SUBMITTAL REQUIREMENTS</b>	
1) Correct Job name and address on drawings, Suite number where applicable	
2) Drawing must be scaled or indicate the dimensions of each room of the building	
3) Key Plan: show location of proposed suite and all adjacent suites	
4) Show exit signs, furniture, shelving/fixtures, and merchandise	
5) Applicable codes on cover sheet <b>[OCGA 120-3-3]</b>	
6) Occupant load and Egress calculations <b>[NFPA 101 7.3.1.2, NFPA 101 7.3.3]</b>	
7) Knox box location <b>[IFC 506]</b>	
<b>BUSINESS</b>	
8) Clear Width: 44in minimum 50 or more occupants <b>[NFPA 101 38.2.3.2]</b>	
9) Number of Means of Egress: Not less than 2 exits from every floor <b>[NFPA 101 38.2.4.1]</b>	
10) Dead-end corridors: 20ft non-sprinkled; 50ft sprinkled <b>[NFPA 101 38.2.5.2]</b>	
11) Common Path of Travel: 75ft non-sprinkled; 100ft sprinkled <b>[NFPA 101 38.2.5.3]</b>	
12) Travel distance (TD) to an EXIT: 200ft non-sprinkled; 300ft sprinkled <b>[NFPA 101 38.2.6]</b>	
13) Emergency Lights: More than 50 occupants above level of exit discharge or 300 occupants <b>[NFPA 101 38.2.9]</b>	
14) Storage rooms must be 1hr rated w/45min rated automatic closing doors, unless sprinkled <b>[NFPA 101 38.3.2.1] Excludes office supply storage.</b>	
15) Fire Alarm System: More than 50 occupants above level of exit discharge or 300 occupants <b>[NFPA 101 38.4.1]</b>	
16) Single exit permitted:	
a. Exit directly outside on level of exit discharge; ≤100 Occ.; TD under 100ft; TD is not through stair ≥15ft in height <b>[NFPA 101 38.2.4.3]</b>	
b. ≤3 Stories: exit directly outside on level of exit discharge; <30 Occ. Per floor; TD under 100ft; Stair serving no other floor or per 7.2.2 <b>[NFPA 101 38.2.4.4]</b>	
c. Single Tenant ≤2 Stories: TD under 100ft; Fully sprinkled <b>[NFPA 101 38.2.4.6]</b>	
17) Medical gas/Medical gas storage to be per NFPA 99	
18) Vertical openings protected per 8.6 or as allowed per NFPA 38.2.4.6 <b>[NFPA 101 38.3.1.1.]</b>	
19) Exit Signs <b>[NFPA 101 38.2.10]</b>	
<b>MERCANTILE: Mercantile use at 30sf/pp</b>	
20) Classes (A≥30,000sf)(3,000sf≥B≤30,000sf) of sales floor <b>[NFPA 101 36.1.2.2.1]</b>	
21) Clear Width: 36in minimum; Class A 60in minimum <b>[NFPA 101 36.2.5.5 &amp; 36.2.5.6]</b>	
22) Number of Means of Egress: Not less than 2 exits from every floor <b>[NFPA 101 36.2.4.1]</b>	
23) Dead-end corridors: 20ft non-sprinkled; 50ft sprinkled <b>[NFPA 101 36.2.5.2]</b>	
24) Common Path of Travel: 75ft non-sprinkled; 100ft sprinkled <b>[NFPA 101 36.2.5.3]</b>	
25) Travel distance to an EXIT: 150ft non-sprinkled; 250ft sprinkled <b>[NFPA 101 36.2.6]</b>	
26) Emergency Lights <b>[NFPA 101 36.2.9]</b>	
27) Exit Signs <b>[NFPA 101 36.2.10]</b>	
28) Unprotected vertical openings between two floors; adjacent floors above and below, when protected with a draft stop and closely spaced sprinklers <b>[NFPA 101 36.3.1]</b>	
29) Storage rooms must be 1hr rated w/45min rated automatic closing doors, unless sprinkled <b>[NFPA 101 36.3.2.2]</b>	
30) Fire Alarm System: Class A mercantile <b>[NFPA 101 36.4.1]</b>	

31) Exit permitted through sprinkler protected store room when:	
a. Not more than 50% of occupants exit through store room <b>[NFPA 101 36.2.5.11(1)]</b>	
b. Store room not subject to locking <b>[NFPA 101 36.2.5.11(2)]</b>	
c. Main aisle through store room not less than 44in and path of travel defined, direct and continuously unobstructed <b>[NFPA 101 36.2.5.11(3) &amp; (4)]</b>	
d. Aisle through storeroom installed as red floor tile or marked with a red hatch with 4in wide diagonal stripes that are 1-foot on center.	
32) Sprinklers required when mercantile ≥3 stories, ≥12,000sf <b>[NFPA 101 36.3.5.1]</b>	
33) If the only means of egress of customers entrance is through on exterior wall of the building 1/2 of the required egress width from the street floor is required to be located in such wall <b>[NFPA 101 36.2.5.7]</b>	
34) Not less than 1/2 of the required exits shall be located so as to be reached without passing through check-out stands <b>[NFPA 101 36.2.5.8]</b>	
<b>GENERAL REQUIRMENTS</b>	
35) Exits separated by not less than 1/2 the diagonal distance of the space served <b>[NFPA 101 7.5.1.3.2]</b> ; minimum 1/3 the diagonal distance when sprinkled <b>[NFPA 101 7.5.1.3.3]</b>	
36) No egress through: kitchens, storerooms, restrooms, workrooms, closets, bedrooms or similar spaces subject to locking, only as permitted in the occupancy chapters <b>[NFPA 101 7.5.2.1]</b>	
37) Doors shall provide not less than 32in of clear width <b>[NFPA 101 7.2.1.2.3.2]</b>	
38) Thresholds at door openings shall not be greater than 1/2in <b>[NFPA 101 7.2.1.3.3]</b>	
39) Door swing shall be in the direction of egress travel when serving ≥50 occupants; into an exit enclosure <b>[NFPA 101 7.2.1.4.2]</b>	
40) Door provided with locks, latches or alarm devices <b>[NFPA 101 7.2.1.5]</b>	
41) Stair construction, tread depth and riser height <b>[NFPA 101 7.2.2.2.1.1]</b>	
42) Hand/guardrail installed as required <b>[NFPA 101 7.2.2.4]</b>	
43) Elevator lobby access to one exit <b>[NFPA 101 7.4.1.6]</b>	
44) Extinguishers number and location <b>[NFPA 101 9.7.4.1]</b>	
45) Tanks, Fire alarm, sprinkler to be submitted separately	
46) Fire/smoke damper located as required	
47) Exit enclosure penetrations <b>[NFPA 101 7.1.3.2.1]</b>	
48) Mechanical schedule showing per Unit CFM for installation of duct detectors <b>[IMC]</b>	
49) Verify exit stair capacity (44-inch Stairs = 146 maximum Capacity) <b>[NFPA 101 7.3.3.1]</b> Stairs over 44-inches <b>[146.7 + ((X-44)/0.218)]</b> capacity calculation <b>[NFPA 101 7.3.3.2]</b>	
50) Verify Exit capacity 0.2-inches for doors 0.3-inches for stairs <b>[NFPA 101 7.3.3.1]</b>	

<sup>1</sup> The above is not an all-inclusive list, all applicable fire and life safety provisions must be met.

Notes: \_\_\_\_\_  
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Reviewer: \_\_\_\_\_ Date: \_\_\_\_\_