



Fire-Not a Glitch

Glitch Modifications

This document created by the Florida Department of Community Affairs -
850-487-1824

Sub Code: Building

Total Mods for 03^Á3

Date Submitted	3/1/2011	Section	504.2	Proponent	T Stafford
Chapter	5	Affects HVHZ	No	Attachments	No
TAC Recommendation	Pending Review				
Commission Action	Pending Review				
Comments					
General Comments	No	Alternate Language	No		

Related Modifications

Summary of Modification

Deletes note which creates conflict with base code.

Rationale

The proposed code change corrects a conflict within the updated code. The Florida specific need is established due to the conflict within the updated code. The proposed code change will have no impact on small business. This exception, with the Florida-specific amendments to Table 601, is at best confusing. In the base code, the exception is intended to prohibit sprinkler increases when sprinklers are used to reduce the required fire-resistance rating of the building elements in Table 601 per Note d. However, the text of Note d in the base code does not exist in the FBC. So the FBC changes to reference to Note h which also permits reducing fire-resistance ratings when a sprinkler system is installed. However, Note h in the FBC only applies to Groups A, B, E, F and R of Type IA Construction. The occupancies are already unlimited in height by Table 503 when constructed of Type IA Construction. Therefore, the height increases permitted by Section 504.2 for sprinkler systems are irrelevant to these occupancies and Note h of Table 601.

Fiscal Impact Statement

Impact to local entity relative to enforcement of code

No impact.

Impact to building and property owners relative to cost of compliance with code

No impact.

Impact to industry relative to the cost of compliance with code

No impact.

Requirements

Has a reasonable and substantial connection with the health, safety, and welfare of the general public

Not applicable. Corrects a conflict within the updated code.

Strengthens or improves the code, and provides equivalent or better products, methods, or systems of construction

Not applicable. Corrects a conflict within the updated code.

Does not discriminate against materials, products, methods, or systems of construction of demonstrated capabilities

Not applicable. Corrects a conflict within the updated code.

Does not degrade the effectiveness of the code

Not applicable. Corrects a conflict within the updated code.

504.2 Automatic sprinkler system increase. (no change to text).

Exceptions:

1. (no change)
2. (no change)
3. Reserved. *Fire-resistance rating* substitution in accordance with Table 601, Note h

Date Submitted	3/1/2011	Section	909.3	Proponent	T Stafford
Chapter	9	Affects HVHZ	No	Attachments	No
TAC Recommendation	Pending Review				
Commission Action	Pending Review				

Comments

General Comments No **Alternate Language** No

Related Modifications**Summary of Modification**

Relocates special inspection requirements for smoke control systems from section of base code reserved to Chapter 9.

Rationale

The proposed code change corrects a conflict within the updated code. The Florida specific need is established due to the conflict within the updated code. The proposed code change will have no impact on small business. The applicable special inspection provisions for smoke control in Section 1704 of the base code are relocated to Chapter 9 since Section 1704 in the FBC is reserved.

Fiscal Impact Statement**Impact to local entity relative to enforcement of code**

No impact.

Impact to building and property owners relative to cost of compliance with code

No impact.

Impact to industry relative to the cost of compliance with code

No impact.

Requirements**Has a reasonable and substantial connection with the health, safety, and welfare of the general public**

Not applicable. Corrects a conflict within the updated code.

Strengthens or improves the code, and provides equivalent or better products, methods, or systems of construction

Not applicable. Corrects a conflict within the updated code.

Does not discriminate against materials, products, methods, or systems of construction of demonstrated capabilities

Not applicable. Corrects a conflict within the updated code.

Does not degrade the effectiveness of the code

Not applicable. Corrects a conflict within the updated code.

909.3 Special inspection and test requirements. In addition to the ordinary inspection and test requirements which buildings, structures and parts thereof are required to undergo, smoke control systems subject to the provisions of Section 909 shall undergo *special inspections* and tests sufficient to verify the proper commissioning of the smoke control design in its final installed condition. The design submission accompanying the *construction documents* shall clearly detail procedures and methods to be used and the items subject to such inspections and tests. Such commissioning shall be in accordance with generally accepted engineering practice and, where possible, based on published standards for the particular testing involved.

909.3.1 Special inspector for smoke control. Smoke control systems shall be tested by a special inspector.

909.3.1.1 Testing scope. The test scope shall be as follows:

1. During erection of ductwork and prior to concealment for the purposes of leakage testing and recording of device location.
2. Prior to occupancy and after sufficient completion for the purposes of pressure difference testing, flow measurements and detection and control verification.

909.3.1.2 Qualifications. *Special inspection* agencies for smoke control shall have expertise in fire protection engineering, mechanical engineering and certification as air balancers.

Date Submitted	2/23/2011	Section	1003.3.3.1	Proponent	Miguel Lemus
Chapter	10	Affects HVHZ	Yes	Attachments	No
TAC Recommendation	Pending Review				
Commission Action	Pending Review				
Comments					
General Comments	No	Alternate Language	No		

Related Modifications

Summary of Modification

To limit protruding object/soffits to a maximum two feet wide in the direction of exit travel preventing the total allowed aggregate of 50% ceiling drops should not be continue creating a 6'-8" ceiling headroom on half of the room or hall.

Rationale

Glitch criteria: The omission of previous Florida-specific code wording hosted at old SFBC 513.1 (a) Exceptions (2). In Florida-specific there are so many hi-risers/condominium at municipality like City of Miami. The local architects/eng. use a drop ceiling/protruding object to hide the runing pipes, conduct and beams crossing egress halls. Due to the unclear code section 1003.3.1, more of the time they try to accomodate all dropping just in one portion of the ceiling, more than 24" wide up to 50% of the area. There is not impact in small businesses, neither create any additional cost. The change is only to restore the same clarification wording that use to be in previous specific South Florida Buiding Code for this areas. The unintended results from the integration of previously code wording yied in a miss interpretation/leading of the code's intention. The intention of the code, including fire codes, is to keep a headroom clearance 7'-6";, so the smoke could accumulate above of peoples' heads. Protudes object/soffits, etc could be allowed to drop up to 6'-8"; for an small portion not exceeding 24" wide, so the smoke could accumulate in between. The agregate total dropped distributed areas are limmited to 50% of the room/hall. Without to include the original wording limmitation, the designers could take for granded a room could have a 6'-8"; continue protruding headroom, 4',6',8', etc up to 50% of the room.

Fiscal Impact Statement

Impact to local entity relative to enforcement of code

None. The only impact is a benefice to help plans examiner to dealling with the miss undestanding created when removed the original wording, Florida-specific hosted at old original SFBC.

Impact to building and property owners relative to cost of compliance with code

Not cost involved. Small bussiness, large or owners have not impact. It is just a clarification limitation to help with the intention of the code to limmit the wide of the any continue drop/protruding up to 24" wide.

Impact to industry relative to the cost of compliance with code

none

Requirements

Has a reasonable and substantial connection with the health, safety, and welfare of the general public

The safety during the egress is compromised if the smoke is allowed to accumulate in haft of the room at 6'-8" clearance. The restore of the previous wording will provide a clarification and avoid a redution of headroom to 6'-8"; and the accumulation of smoke.

Strengthens or improves the code, and provides equivalent or better products, methods, or systems of construction

Improve the code by clarifying the code meaning to keep the headroom clearance and avoid miss undestanding to create a dropped/protuding of 50% of the ceiling below the code intention.

Does not discriminate against materials, products, methods, or systems of construction of demonstrated capabilities

none

Does not degrade the effectiveness of the code

None. Will help to clarify the code intention as it was originally included on previous existing code.

1003.3.1 Headroom. Protruding objects are permitted to extend below the minimum ceiling height required by Section 1003.2 provided a minimum headroom of 80 inches (2032 mm) shall be provided for any walking surface, including walks, *corridors*, *aisles* and passageways. Not more than 50 percent of the ceiling area of a *means of egress* shall be reduced in height by protruding objects, provided the dropped section of the ceiling/soffits not exceeding two feet wide in the direction of exit travel.

Exception: Door closers and stops shall not reduce headroom to less than 78 inches (1981 mm).

A barrier shall be provided where the vertical clearance is less than 80 inches (2032 mm) high. The leading edge of such a barrier shall be located 27 inches (686 mm) maximum above the floor.