

Broward County Board of Rules & Appeals Meeting Agenda

February 11, 2021

Time: 7:00 P.M.

ZOOM Meeting info:

Join Zoom Meeting

<https://zoom.us/j/91603364040?pwd=SDkyUVhKbFZMRUNCYzhaeiBZUEUxQT09>

Meeting ID: 916 0336 4040

Passcode: 924795

One tap mobile

+13017158592,,91603364040#,,,,*924795# US (Washington DC)

+13126266799,,91603364040#,,,,*924795# US (Chicago)

Call Meeting to Order

Roll Call

Approval of Agenda

Approval of Minutes – January 14, 2021

CONSENT AGENDA

1. Certifications - Staff Recommended.

City of Pembroke Pines

Allison, Seth, Fire Inspector

Chmura, Frederick, Fire Inspector

Nettina, Brian Paul, Fire Plans Examiner

Megna, Vincent, Fire Inspector

Vincent, Andrew, Fire Inspector

Countywide

Alegria, Guillermo, Electrical Inspector

Dawson, Eric Kenneth, Mechanical Inspector

Hassenplug, Jeremy Werner, Plumbing Inspector

Mccartin, Gerald, Electrical Plans Examiner

REGULAR AGENDA

2. Amendments for 1st reading.

Proposed amendment to the FBC, 7th Edition, (2020) Building – Chapter I, Section 101.2.2 Definitions and new section 110.3.14 Virtual inspections

- a. Staff report
- b. Board questions
- c. Board action

3. **Amendments for 1st reading.**

Proposed amendment to the FBC, 7th Edition, (2020) Building – Chapter I, Section 104.18 “Recertification of Building Departments and Building Code Inspection Enforcement Personnel”, subsection 104.18.1.3 to accept State of Florida approved online education courses as a form of compliance with the biennial continued educational requirements.

- a. Staff report
- b. Board questions
- c. Board action

4. **Amendments for 1st reading.**

Board member recommended amendment to the FBC, 7th Edition, (2020) Building – Chapter I, to reduce the number of training hours required for inspectors due to the COVID-19, said reduction to automatically expire December 31, 2021.

- a. Request by Board member David Tringo
- b. Board questions
- c. Board action

5. **Amendment for 2nd reading to include public hearing.**

Broward County Local Amendments to the Florida Fire Prevention Code for the upcoming Florida Fire Prevention Code (FFPC) 7th Edition (2020).

- a. Staff and Fire Code Committee reports
- b. Board questions
- c. Public hearing
- d. Board action

6. **BORA Interpretation – Florida Building Code 7th Edition (2020), High Velocity Hurricane Zone - Test Protocols, Roofing Application Standards -127 Tables**

- a. Staff report.
- b. Board questions
- c. Board action

7. **Disposal of Subject/Reference files pursuant to Florida Division of Library and Information Services’ General Records Schedule GS1-SL.**

- a. Staff report
- b. Board questions
- c. Board action

8. **Director’s Report**

9. **Attorney’s Report**

10. **Committee Report**

11. **General Board Members Discussion**

12. **Public Comment (3-minute limit per person) and written communications**

13. **Adjournment**

If a person desires to appeal any decision with respect to any matter considered at this meeting, such person will need record of the proceedings and, for this reason, such person may need to ensure that a verbatim record of the proceeding is made, which includes the testimony and evidence upon which the appeal is to be based (Sec. 286. 0105.FS). (Members: If you cannot attend the meeting, please contact Mr. DiPietro @ (954) 931-2393, between 6:00 p.m. & 7:00 p.m.)



DRAFT

BROWARD COUNTY BOARD OF RULES & APPEALS
JANUARY 14, 2021
MEETING MINUTES

Call to Order

Chairman Daniel Lavrich called a published virtual meeting of the Broward County Board of Rules and Appeals to order at 7 p.m.

Present:

Daniel Lavrich, Chair
Stephen E. Bailey, Vice-Chair
Ron Burr
Gregg D'Attile
Jeff Falkanger
John Famularo
Shalanda Giles-Nelson
Sergio Pellecer
Robert Taylor
David Tringo
Dennis Ulmer

Mr. D'Attile made a motion and Mr. Falkanger seconded the motion to approve the agenda as modified with respect to Items 2 and 3. The correction information provided to the Board via memoranda may be found under each respective item. The motion carried by unanimous vote of 11-0.

Approval of Minutes – October 8, 2020

Mr. Tringo made a motion and Mr. Famularo seconded the motion to approve the minutes as submitted. The motion carried by unanimous vote of 11-0.

A service plaque was presented to Mr. Gary Elzweig who served on the Board since 2000. Chairman Lavrich elaborated on the many committees and other projects throughout many years. Mr. Elzweig thanked the Board and staff for the recognition. He valued his service on the Board.

CONSENT AGENDA

1. Certifications - Staff Recommended.

BROWARD COUNTY SHERIFF'S OFFICE

HOLMES, MICHELLE, FIRE INSPECTOR

BROWARD COUNTY (UNINCORPORATED) - AIRPORT

CHMELY, EDWARD, JR., CHIEF ELECTRICAL INSPECTOR

CITY OF COOPER CITY

BLANCO, VICTOR, BUILDING OFFICIAL

CITY OF CORAL SPRINGS

BOTTING, PHILIPPE, FIRE INSPECTOR

HENLEY, KENNETH, FIRE INSPECTOR

TOWN OF DAVIE

PINGOL, ISABELLA, FIRE INSPECTOR

GROW, STEWART ALLEN, JR., CHIEF MECHANICAL INSPECTOR

CITY OF LIGHTHOUSE POINT

MITCHELL, STEVEN J., CHIEF ELECTRICAL INSPECTOR

CITY OF MIRAMAR

TRAPANESE, WILLIAM, CHIEF PLUMBING INSPECTOR

CITY OF PARKLAND

TRANA, JAN, CHIEF PLUMBING INSPECTOR

CITY OF PEMBROKE PINES

LICTRA, SALVATORE TED, CHIEF ELECTRICAL INSPECTOR

CITY OF PLANTATION

CHARNIN, MICHAEL D., ASSISTANT BUILDING OFFICIAL

GALE, WILLIAM, BUILDING OFFICIAL

CITY OF POMPANO BEACH

WESOLOWSKI, RICHARD R., FIRE INSPECTOR

CITY OF TAMARAC

VIRGIL, JEAN-YVES, FIRE INSPECTOR

JEAN-LOUIS, SERGE, STRUCTURAL PLANS EXAMINER - PROVISIONAL

CITY OF WILTON MANORS

KITTENDORF, SHANE, BUILDING OFFICIAL

COUNTYWIDE

DELARIONDA, CHAD, ELECTRICAL PLANS EXAMINER

FEJED, ALFREDO, PLUMBING PLANS EXAMINER

HIGHT, RODNEY J., STRUCTURAL INSPECTOR

HIGHT, RODNEY J., STRUCTURAL PLANS EXAMINER

GARRIDO, GUSTAVO A., STRUCTURAL INSPECTOR

GARRIDO, GUSTAVO A., STRUCTURAL PLANS EXAMINER

KITTENDORF, SHANE, STRUCTURAL INSPECTOR

KITTENDORF, SHANE, STRUCTURAL PLANS EXAMINER

MIGOYA, RONALD J., STRUCTURAL INSPECTOR

MIGOYA, RONALD J., STRUCTURAL PLANS EXAMINER

TORRES, DANIEL, MECHANICAL PLANS EXAMINER

Mr. Bailey made a motion and Mr. D’Attile seconded the motion to approve the certifications as recommended. The motion carried by unanimous vote of 11-0.

REGULAR AGENDA

2. Local amendments for 1st reading – Florida Fire Prevention Code 7th edition - 2020

- a. Staff and Fire Code Committee reports

Mr. Bryan Parks, Chief Fire Code Compliance Officer, explained that due to a software glitch when staff merged single documents into the full agenda backup in Adobe Acrobat, previous “underlines” and “strike-throughs” were added back into the documents. A memorandum, dated January 11, 2021, to the Board provides an overview of corrections to the clean version of the Fire Prevention Code. There are all also places where “Visions” was substituted for “Division”.

- b. Board Questions – none
- c. Public Comment - none
- d. Board Action

Mr. Pellecer made a motion and Mr. Taylor seconded the motion to pass the item on first reading. The motion carried by unanimous vote of 11-0.

3. Revisions to Formal Interpretation (F.I.) #22 “Swimming pool safety inspections”

- a. Staff Report

Mr. Rolando Soto, Chief Mechanical Code Compliance Officer, explained that due to a software glitch when staff merged single documents into the full agenda backup in Adobe Acrobat, previous “underlines” and “strike-throughs” that were lost in the merging were added back into the documents. A memorandum, dated January 11, 2021, to the Board explains that page 3 of this item does now show the strike throughs and underlines normally used to show changes to a document. As to the item itself, the Board adopted interpretations in July of last year and the final adoption of Chapter 1 occurred in October. When Chapter 1 was revised some of the interpretation numbers changed. This item is to make such corrections to the interpretation numbering, specifically Formal Interpretation #22. Also, staff proposes to remove some informational material from the interpretation that is available in the statute and code.

- b. Board Questions –
- c. Board Action

Mr. D’Attile made a motion and Mr. Falkanger seconded the motion to approve the recommended revisions to Formal Interpretation #22 as submitted. The motion carried by unanimous vote of 11-0.

4. **Update to Policy 05-04, Representation on the Board of Rules and Appeals Standing Committees and Appointment Guidelines**

a. Staff Report

Mr. James DiPietro, Administrative Director, indicated the Ad Hoc Energy Conservation Committee has been organized and met with Board Member Dave Rice as its Chairman. It was created as ad hoc when it was thought meetings could not be held virtually. The intent of Chairman Lavrich was to establish the Energy Conservation Committee as a permanent standing committee.

b. Board Questions –

c. Board Action

Mr. Tringo made a motion and Mr. Famularo seconded the motion to adopt the recommended update to Policy #05-01 establishing the standing committee, Energy Conservation Committee. The motion carried by unanimous vote of 11-0.

5. **Amendment to the Board of Rules and Appeals Policy #20-02, entitled Board of Rules and Appeals to share 50% of the cost of foreign credentials evaluation to determine the educational equivalency in the United States, not to exceed \$600 of the BORA participation per applicant (up to \$1,200 total), for the purpose of removing the expiration date of the policy.**

a. Staff Report

Mr. James DiPietro, Administrative Director, indicated this is simply removing the expiration date from the existing policy. Although there have not been any applicants this year, staff believes this is a good idea. It is a 50/50 cost share between the Board and applicant. Moreover, it is not a significant anticipated expense.

b. Board Questions

Mr. DiPietro clarified by Ms. Giles-Nelson that there were four responses to the staff survey with three in favor and a fourth, unnamed, not in favor of continuing the program.

c. Board Action

Ms. Giles-Nelson made a motion and Mr. Tringo seconded the motion to amend Policy #20-02 removing the program expiration. The motion carried by unanimous vote of 11-0.

6. **Policy 21-01 Delegation of Board of Rules and Appeals authority to establish the number of employees working at one time, when physically at the office due to Covid-19 concerns, and to further establish written reporting requirements for employees who are working remotely**

a. Recommendation of the Administrative Director

Mr. James DiPietro, Administrative Director, explained that Broward County had its own policies in place to limit the number of employees at the governmental center and those policies are being withdrawn. He felt there is a need for the Board to adopt its own policy as to staffing. With a staff of twelve, there would be three and no more than five employees at one time physically in the Board's office.

b. Board Questions

In response to Mr. D'Attile, Mr. DiPietro noted that the County Administrator has given written notice to her employees that the temporary telework program and temporary reduced work schedule program will end in December of 2020. According to governmental principles, he would need authority from the Board of Rules and Appeals or the County Commission.

As a result of Mr. Ulmer's suggestion to add an expiration date of when the policy could be revisited, a brief discussion followed wherein there was consensus for a one-year period.

In response to Mr. D'Attile, Mr. DiPietro advised that employees working at home provide a written work report that is maintained.

c. Board Action

Mr. Ulmer made a motion and Mr. Tringo seconded the motion to adopt the recommended policy with a one-year review by December 31, 2021. The motion carried by unanimous vote of 11-0.

7. **One time 2% cash merit bonus for Chief Fire Code Compliance Officer**

a. Recommendation of the Administrative Director

Mr. James DiPietro, Administrative Director, indicated he would like to recognize Mr. Parks' service of 14 ½ years. At the fifteen-year mark, Mr. Parks would qualify for an existing Board merit/longevity program that is administered by the director.

b. Board Questions – none

c. Board Action

Mr. Pellecer made a motion and Mr. Falkanger seconded the motion to approve the one-time merit bonus cash payment of 2%. The motion carried by unanimous vote of 11-0.

8. **Election of Officers**

a. Board Nominations

b. Election of Chair and Vice-Chair

Mr. Bailey nominated Daniel Lavrich as chair for an additional year. There were no other nominations. Mr. Lavrich accepted the nomination.

Ms. Giles-Nelson nominated Stephen Bailey as vice-chair for an additional year. There were no other nominations. Mr. Bailey accepted the nomination.

c. Passing the Gavel

9. **Director's Report**

Small Cities Grant to Support E-Permitting

Mr. James DiPietro, Administrative Director, cited a couple examples for use of a grant if awarded. The intent is a one-time expense. This is an administrative policy but could be enacted at the Board level. It was approved in the Board's budget and by the County Commission. He elaborated upon particulars of the approval process. There is a check and balance in that expenditures for the Board of Rules and Appeals are processed through the County system with all of its controls. This program was anticipated to be a two to three-year term. The budgeted amount this year is \$60,000 (\$7,500 maximum per city).

Mr. D'Attile was interested in some mechanism to ensure that cities are in fact moving forward the E-Permitting. Further discussion ensued on the subject in general. Mr. Michael Guerasio explained that currently cities are required to be able to accept permit applications electronically, but email transmission alone would satisfy that requirement. Mr. Burr agreed with Mr. D'Attile and Mr. DiPietro suggested each grant award could be scheduled on a Board agenda and a representative of the municipality could be asked to be present to receive the grant. Another approach would be to address this topic via committee. Mr. Burr felt it would be helpful for staff to prepare a report as to the specific online level status of each city for contractors. Mr. Taylor suggested a grant requirement to meet a certain percentage of permits electronically. Mr. DiPietro concurred that the Board has that authority which could be accomplished by enacting a Board policy. He felt the best approach would be to enact the policy and then advertise the grant program with that information.

Chairman Lavrich pointed out that there are extremes on both sides of the spectrum to electronic transmittal. Perhaps a committee is needed to develop a program for e-permitting county-wide. Mr. Burr felt the Board's goal should be ease of submittal by the contractor. Mr. D'Attile volunteered to chair such a committee and Mr. Burr volunteered to serve as well.

Mr. DiPietro recalled a committee formed by the Board about five years ago that addressed best practices. There were voluntary guidelines. Some fifteen building officials and three contractors served on the committee. It could be restarted, or another option would be to form a single purpose committee on implementing e-permitting.

Mr. Tringo commented that many cities for CAP Government have electronic plan review, but application submittal is not. In other words, there are two separate components to this subject.

Chairman Lavrich agreed that an ad hoc committee is in order. Mr. Bailey commented that aside from hardware, the grant funds could be used for program development/implementation.

Mr. Bailey suggested and there was general consensus for the Administrative Director to proceed with the grant program based on the administrative policy already in-place. He favored the Board working toward helping cities develop electronic permitting programs. Chairman Lavrich wanted to meet with Mr. DiPietro, the Board Attorney and perhaps some members of the staff on this topic including formation of an ad hoc committee. It is complicated when moving in the direction of standardization. He will report to the Board at the next meeting.

10. **Attorney's Report**

Virtual Inspections and Inspections Performed in Whole or in Part via Electronic Media

Mr. Charles Kramer, Board Attorney, advised that there is nothing in the Florida Building Code about this topic. There is precedence in Tampa, Jacksonville and Sarasota. Concerning petitions for declaratory statement before the Building Code Administrators and Inspectors Board (BCAIB), the petitions were filed by Inspect Solutions, a corporate entity. He felt they were asking BCAIB to provide some cloak of legitimacy. He took exception to the way that the petitions were framed in a disciplinary light whereas he believed the purpose of inspections is about life and safety. BCAIB's position was that one is not negligent if a virtual inspection is performed provided that a virtual inspection does an equivalent acceptable job to one performed in person. It is very subjective. It would not be doable for everything. This Board can make this call and incorporate protocol language into the building code. The Board can decide to what extent virtual inspections should be permissible. This matter will be on the agenda of the Board's next meeting.

Mr. Bailey said that he is 100% in favor of virtual inspections. Cities are going to continue to want to avoid entering homes. It is an issue for homeowners.

Advisory Opinion Regarding Requirements for Signed and Sealed Drawings when Construction Costs Exceed \$30,000

Mr. Charles Kramer, Board Attorney, advised that Section 107.3.4.0.3 of the Broward County Chapter 1 of the Building Code requires signed and sealed drawings when construction costs exceed \$30,000. Although there is a conflict of law between Section 107.3.4.0.3 of Broward County Chapter 1 of the Building Code and Florida Statute 481.229, Chapter 1 provisions have the power of state authority because the Board of Rules and Appeals was created by special act of the State of Florida.

In response to Mr. Bailey, Chairman Lavrich advised that the \$30,000 cap has increased throughout the many years this has been in effect in Broward and Miami-Dade counties.

11. **Committee Reports** - none

12. **General Board Member Discussion** - none

13. **Public Comment (3-minute limit per person) and written communications** – none

14. **Adjournment**

There being no further business, the meeting adjourned at 7:58 p.m.

Daniel Lavrich, P.E. - Chair

Section 1

FEBRUARY 11, 2021 BOARD MEETING
CERTIFICATIONS

CITY OF PEMBROKE PINES

ALLISON, SETH, FIRE INSPECTOR

CHMURA, FREDERICK, FIRE INSPECTOR

NETTINA, BRIAN PAUL, FIRE PLANS EXAMINER

MEGNA, VINCENT, FIRE INSPECTOR

VINCENT, ANDREW, FIRE INSPECTOR

COUNTYWIDE

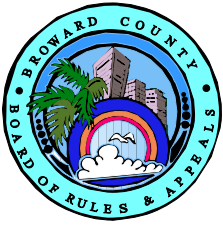
ALEGRIA, GUILLERMO, ELECTRICAL INSPECTOR

DAWSON, ERIC KENNETH, MECHANICAL INSPECTOR

HASSENPLUG, JEREMY WERNER, PLUMBING INSPECTOR

MCCARTIN, GERALD, ELECTRICAL PLANS EXAMINER

Section 2



BROWARD COUNTY
Board of Rules & Appeals
1 North University Drive, Suite 3500B, Plantation, Florida 33324

To: Members of the Broward County Board of Rules and Appeals
From: Administrative Director
Date: February 11, 2021
Re: Proposed amendment to the FBC, 7th Edition, (2020) Building – Chapter I,
Section 101.2.2 Definitions and new section 110.3.14 Virtual inspections

RECOMMENDATION

It is recommended by the majority of the Board of Rules and Appeals Code compliance staff, the director and the Board attorney, that the attached proposed code amendment concerning definitions of Virtual inspections and specified use be adopted in first reading and scheduled for public hearing.

REASONS

The subject of virtual inspections was discussed by Board members at its regular meeting of January 14, 2021. As a result of that discussion the proposed code amendment was drafted and is now respectfully submitted for your consideration.

ADDITIONAL INFORMATION

If approved the code amendments would ban virtual inspections 365 days a year except for those particular examples specified in the proposal. When approved by the Building official the virtual inspection could be allowed.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "James DiPietro".

James DiPietro

Definitions 101.2.2

P. Virtual inspection is the process of inspection performed using, time and location verifiable video or still imaging, where a Certified Inspector inspects a job site via live video or still image taken at, or under, his/her direction.

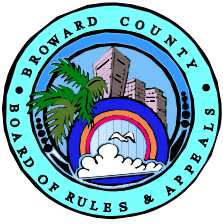
110.3 Required Inspections. The Building Official, upon notification from the permit holder or his or her agent, shall make the following inspections performed by Inspectors BORA certified in the categories involved who shall either release that portion of the work completed or shall notify the permit holder or his or her agent of any violations which shall be corrected in order to comply with the technical codes. The Building Official shall determine the timing and sequencing of when inspections occur and what elements are inspected at each inspection.

110.3.14 Virtual Inspections

When approved by the Building Official, virtual inspections as set forth in Section 101.2.2 are limited to,

- Attachment of mullion bars in window and door installations for like in kind replacement.
- Reroofing under 1500 square feet in compliance with section 1512.4.3.2 of this code.
- Tunnel replacement of under slab sewer and water lines.
- Water heater replacement that does not require electric upgrade or new gas service.

Section 3



BROWARD COUNTY

Board of Rules & Appeals

ONE NORTH UNIVERSITY DRIVE, SUITE 3500-B, PLANTATION, FLORIDA 33324

PHONE (954) 765-4500 FAX: (954) 765-4504

<http://www.broward.org/codeappeals>

To: Members of the Broward County Board of Rules and Appeals

From: Administrative Director.

Date: February 11, 2021.

Subject: Proposed amendment to the FBC, 7th Edition, (2020) Building – Chapter I, Section 104.18 “Recertification of Building Departments and Building Code Inspection Enforcement Personnel”, subsection 104.18.1.3 to accept State of Florida approved online education courses as a form of compliance with the biennial continued educational requirements.

Recommendation

It is recommended that Board of Rules and Appeals approve by vote, in first reading, to modify the Florida Building Code, 7th Edition, (2020), Building - Chapter I, Section **104.18.1.3**, “Recertification of Building Departments and Building Code Inspection Enforcement Personnel”, subsection 104.18.1.3 to accept State of Florida on-line approved educational classes.

Reasons

The effect of this change is to automatically approve a virtual class authorized by the State of Florida department of busines and professional regulations. In my view it is no longer acceptable for a BORA staff member to be able to turn down a state of Florida approved class. Advances in information technology allow for increased interaction, verification of presence and accountability of both instructor and attendees to online education classes, making it in the view of the majority of BORA’s staff, an acceptable form of continued education.

The two additional changes shown in the attachment improve and clarify the code language.

Respectfully Submitted.

A handwritten signature in black ink, appearing to read "James DiPietro".

James DiPietro

STRONGER CODES MEAN SAFER BUILDINGS

~ESTABLISHED 1971~

Florida Building Code, Broward County Amendments, Chapter 1.

Edited version

104.18 Recertification of Building Departments and Building Code Inspection Enforcement Personnel.

104.18.1.3 All Building Officials, Assistant Building Officials, Chief Inspectors, Plans Examiners, and Inspectors, to be recertified shall obtain twenty-eight (28) contact hours within a two (2) consecutive calendar year biennial renewal period (starting January 1, on an even year, through December 31, of the next odd year) by attending formal classroom or online education courses, workshops, and seminars, any of which shall be approved by BORA, the Miami-Dade County Code Compliance Office, or the ~~BCAIB, the Construction Industry Licensing Board, or the Electrical Contractors Licensing Board~~ Florida Department of Business and Professional Regulation and be related to the individual's discipline. Continuing education contact hours shall include courses approved as discipline specific category (courses which are specific to the code chapters enforced by the specific discipline) and non-discipline specific category. Specific courses mandated for license holders by the State of Florida Boards shall be classified as non-discipline specific, unless clearly indicated as discipline specific by a State agency. A minimum of one-half (½) of the twenty-eight (28) contact hours within a two (2) consecutive calendar year biennial renewal period shall be discipline specific category. Meetings of BORA Committees shall be counted as one (1) hour in the non-discipline specific category and professional association meetings shall be counted as not to exceed one (1) hour in the discipline specific category for a maximum of fourteen (14) contact hours within a two (2) consecutive calendar year biennial renewal period. ~~Unless authorized by BORA Staff education courses, workshops and seminars do not meet this requirement and shall not be accepted.~~

Clean version

104.18 Recertification of Building Departments and Building Code Inspection Enforcement Personnel.

104.18.1.3 All Building Officials, Assistant Building Officials, Chief Inspectors, Plans Examiners, and Inspectors, to be recertified shall obtain twenty-eight (28) contact hours within a two (2) consecutive calendar year biennial renewal period (starting January 1, on an even year, through December 31, of the next odd year) by attending classroom or online education courses, workshops, and seminars, any of which shall be approved by BORA, the Miami-Dade County Code Compliance Office, or the Florida Department of Business and Professional Regulation. Continuing education contact hours shall include courses approved as discipline specific category (courses which are specific to the code chapters enforced by the specific discipline) and non-discipline specific category. Specific courses mandated for license holders by the State of Florida Boards shall be classified as non-discipline specific, unless clearly indicated as discipline specific by a State agency. A minimum of one-half (½) of the twenty-eight (28) contact hours within a two (2) consecutive calendar year biennial renewal period shall be discipline specific category. Meetings of BORA Committees shall be counted as one (1) hour in the non-discipline specific category and professional association meetings shall be counted as not to exceed one (1) hour in the discipline specific category for a maximum of fourteen (14) contact hours within a two (2) consecutive calendar year biennial renewal period.

Section 4



BROWARD COUNTY

Board of Rules & Appeals

1 North University Drive, Suite 3500B, Plantation, Florida 33324

To: Members of the Broward County Board of Rules and Appeals
From: Administrative Director
Date: February 11, 2021
Title: Board member request to amend the Florida Building Code, 7th Edition, (2020) Building – Chapter I, Section 104.18.1.3 to reduce the number of training hours required for inspectors due to the COVID-19, said reduction to automatically expire December 31, 2021.

It is requested by Board member David Tringo, that BORA approve a proposed amendment to the FBC 7th Edition, (2020) – Building – Chapter I, Section 104.18.1.3 to temporarily reduce the 28 contact hours training requirements to 14 hours due to the Covid-19 health emergency. The reduction in training hours would automatically expire on December 31, 2021 and revert back to the 28 hour training requirement.

Respectfully submitted.

A handwritten signature in black ink, appearing to read "James DiPietro".

James DiPietro

104.18 Recertification of Building Departments and Building Code Inspection Enforcement Personnel.

104.18.1 All Building Departments shall be recertified biennially by BORA. To be recertified, all Building Officials, Assistant Building Officials, Chief Inspectors, Plans Examiners, and Inspectors who are presently certified by BORA, shall meet the following criteria and comply with the current requirements for initial certification.

104.18.1.1 Be currently certified by BORA.

104.18.1.2 Be presently employed by a governmental AHJ (Building Department) within Broward County. See Section 104.17.

104.18.1.3 All Building Officials, Assistant Building Officials, Chief Inspectors, Plans Examiners, and Inspectors, to be recertified shall obtain twenty-eight (28) contact hours within a two (2) consecutive calendar year biennial renewal period (starting January 1, on an even year, through December 31, of the next odd year) by attending formal education courses, workshops, and seminars, any of which shall be approved by BORA, the Miami-Dade County Code Compliance Office, the BCAIB, the Construction Industry Licensing Board, or the Electrical Contractors Licensing Board and be related to the individual's discipline. Continuing education contact hours shall include courses approved as discipline specific category (courses which are specific to the code chapters enforced by the specific discipline) and non-discipline specific category. Specific courses mandated for license holders by the State of Florida Boards shall be classified as nondiscipline specific, unless clearly indicated as discipline specific by a State agency. A minimum of one-half (½) of the twenty-eight (28) contact hours within a two (2) consecutive calendar year biennial renewal period shall be discipline specific category. Meetings of BORA Committees shall be counted as one (1) hour in the non-discipline specific category and professional association meetings shall be counted as not to exceed one (1) hour in the discipline specific category for a maximum of fourteen (14) contact hours within a two (2) consecutive calendar year biennial renewal period. Unless authorized by BORA Staff online education courses, workshops and seminars do not meet this requirement and shall not be accepted.

Exception: For the recertification cycle of 2020 thru 2021, due to the COVID-19 health emergency, all Building Officials, Assistant Building Officials, Chief Inspectors, Plans Examiners, and Inspectors shall only be required to obtain fourteen (14) contact educational hours, seven (7) of the hours shall be discipline specific. This exception automatically expires on December 31, 2021.

Section 5

Order ID: 6871925

GROSS PRICE * : **\$121.85**

PACKAGE NAME: SSC Other Legal Notices

Product(s): Sun Sentinel, Affidavit, Floridapublicnotices.com

AdSize(s): 1 Column

Run Date(s): Sunday, January 31, 2021

Color Spec. B/W

Preview

NOTICE OF PUBLIC HEARING

Notice is hereby given by the Broward County Board of Rules and Appeals that said Board will hold a public hearing starting at 7:00 p.m. on February 11, 2021, Via Zoom. The Board will consider amending in second reading the Broward County Local Amendments to the Florida Fire Prevention Code, 7th Edition (2021), Sections: F-101.2.2, F- 103.2 Powers and Duties of a Fire Marshal /Fire Code Official, F-103.2.4 , F-103.2.6 Stop Work Orders, F-103.4.2 Powers and Duties of the Fire Plans Examiner. , F-104 Broward County Board of Rules and Appeals, F-104.1, F-107 Standby Fire Watch, F-107.1, Section F-108, F-108.1, F-108.1.2, F-108.3 Smoking and Open Flame, F-108.3.2, F-108.4 Fire Extinguishers and other Fire-Protection Equipment, F-108.5 Storage of Flammable or Combustible Liquids, F-108.6 Housekeeping, F-108.10 Vehicles on Display, F-108.10.1, F-108.10.2.deleted, Section F-110, Section F-112, Automatic Sprinklers Required, F-112.1, F-112.5, F-112.5.1, Section F-114 , Section F-119 Liquefied Petroleum Gases, F-119.3, F-119.4.2, F-119.4.3, F-119.4.4, F-119.4.6, F-119.9.1 , F-119.10 Deleted, F-119.101 Hydrogen Fuel for Emergency Power Systems, F-120.1.6.2.4 . F-120.7 Pyrotechnics Before Proximate

Order ID: 6871925

* Agency Commission not included

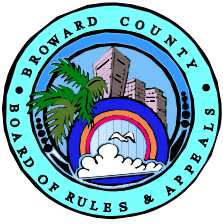
GROSS PRICE * : \$121.85

PACKAGE NAME: SSC Other Legal Notices

Audience, F-120.7.1, F-121 Photovoltaic (PV)-Deleted, F-121.1 Remote Disconnect Deleted, F-121.2 PV Deleted, F-121.3.1 Rapid Shutdown of PV Systems on Buildings: Deleted, F-122 Mobile and Temporary Cooking Operations, and F-122.1.3 Deleted. The effective date for the amendment listed is February 22, 2021. Zoom information: <https://zoom.us/j/91603364040?pwd=SDkyUVhkKbFZMRUNCYZhaejBZUEUXQT09> - Meeting ID: 916 0336 4040 - Passcode: 924795.

A copy of the proposed code changes is available for review at 1 N. University Drive, Suite 3500B, Plantation, Florida 33324. We can email you a copy. Call (954) 765-4500.

Dated this 31st day of January 2021.
1/31/21 6871925



BROWARD COUNTY

Board of Rules & Appeals

ONE NORTH UNIVERSITY DRIVE, SUITE 3500-B, PLANTATION, FLORIDA 33324

PHONE (954) 765-4500 FAX: (954) 765-4504

<http://www.broward.org/codeappeals>

To: Broward County Board of Rules and Appeals.
From: Bryan Parks, Chief Fire Code Official
Date: January 14, 2021
Subject: Broward County Local Amendments to the Florida Fire Prevention Code for the upcoming Florida Fire Prevention Code (FFPC) 7th Edition (2021).

Recommendation

The Board of Rules and Appeals, Fire Code Committee on December 17, 2020 addressed proposed changes to the Broward County Local Amendments to the Florida Fire Prevention Code (Broward Fire Code). In a vote of 13 to 0 in favor. The Fire Code Committee recommended that the Board adopt the changes to the Local Amendments to the Florida Fire Prevention Code 7th edition as provided herein.

Reasons

At the conclusion of each 3-year code cycle of the current Florida Fire Prevention Code (FFPC) 6th edition a new FFPC will be replace by the 7th edition as mandated by FS 633. The Broward County Local Amendments to the Florida Fire Prevention Code needs to be reviewed so as not to duplicate and must be more stringent that the new FFPC.

Most of the changes are an effort to streamline our local fire codes, to clarify, remove redundancies, consolidate two or more sections into one, and stay close to the Florida Fire Prevention Code but be more stringent than existing code or address provisions not covered under the FFPC. Staff review and suggestions possible modifications needed for the updated code sections of the existing local fire code. These were then provided to the Broward Fire Chiefs, Fire Prevention Sub-committee (Fire Marshals) for review and recommendations. The process starting in May 2020 with the Fire Marshals group reviewing the proposed code sections that they might want to review and address, over the next seven months the Fire Marshal held numerous meetings and proposed several changes to the Local Fire Code as attached here too.

Additional information

List of attached documents:

1. Overview of proposed changes w/ comments.
2. Revised 7th Edition of Broward County Local Amendments to the Florida Fire Prevention Code with stricken and underlined text to show changes from the 6th Edition of the Local Fire Code which was recommended by Staff and FM Group along with comments.
3. Clean 7th Edition, Broward County Local Amendments to the Florida Fire Prevention Code.

Respectfully Submitted,
Bryan Parks.

BROWARD LOCAL FIRE CODE AMENDMENTS

OVERVIEW OF PROPOSED CHANGES

7TH Edition of FFPC

F-101.2.2 (A) AHJ means Authority Having Jurisdiction shall be a federal, state, local organization, office or individual responsible for enforcing the requirements of this code as found in Chapter 1, Broward Administrative Provisions.

Commented [PB1]: As approved by FM Group Directly address local fire amendments

F- 103.2 Powers and Duties of a Fire Marshal /Fire Code Official: The Fire Chief shall duly authorize his/her their representative of the Fire Service Provider/Fire Department to exercise the powers and perform the duties of the Chief. He/she They shall also be known as Fire Marshal/Fire Code Official. The Fire Marshal/Fire Code Official shall be authorized and directed to enforce the Fire Protection Provisions of this Code and the FFPC, and the sole authority to render interpretations of the Fire Protection Provisions of this Code and the FFPC, and to adopt policies and procedures in order to clarify the application of its provisions and shall have responsibility for the administration and enforcement of the FFPC and Fire Protection Provisions of this Code. Such interpretations, policies, and procedures shall be in compliance with the intent and purpose of the Fire Protection Provisions of this Code and the FFPC. Such policies and procedures shall not have the effect of waving requirements specifically provided for in the Fire Protection Provisions of this Code and FFPC. It shall be his/her their duty and responsibility to enforce and coordinate the work of all subordinates such as Fire Plans Examiners and Fire Inspectors. Based on current technology that the Fire Marshal/Fire Code Official does not have to be personally present at the Fire Service Provider/Fire Department as long as he/she they are is available by telephone/computer etc. and can perform their duties. In the event that the Fire Marshal/Fire Code Official/Fire Code Administrator is not available to perform his/her duties, the Fire Chief may appoint an interim Fire Marshal/Fire Code Official provided such person is qualified as set forth in Section F-103.3 of this Code and the FFPC. The Fire Chief or Fire Service Provider/Fire Department shall notify in writing BORA of the starting date and period of time that the Interim Fire Marshal/Fire Code Official will assume the Fire Marshal/Fire Code Official's duties. The name of the Interim Fire Marshal/Fire Code Official will be recorded by BORA but he/she they will not be issued a certification card as a Fire Marshal/Fire Code Official. The Fire Marshal/Fire Code Official shall be subject to the powers vested by Florida State Statute 633 and BORA in this Code. If there is one Fire Plans Examiner or Fire Inspector hired by an inspection authority, that Plans Examiner or Inspector shall be a Fire Marshal/ Fire Code Official.

Commented [PB2]: Sandra proposed replacing his/her with their or they Approved by FM

Commented [PB3]: Delete – Jeff and Bruce Suggestions 8-28-20

Tommy-I agree we need to keep uniform throughout document. I am ok with either Fire Marshal/Fire Code Official or Fire Marshal/Fire Code Administrator. I think official sounds more official but our state certification is fire code admin.

F-103.2.4 It shall be the duty of the Fire Chief of the Fire Service Provider/Fire Department to inspect or cause to be inspected by his/her their duly authorized representatives of the Fire Prevention Bureau, as often as may be necessary, but not less than annually, during normal business hours, for the establishment in question, all buildings and premises, including common or public areas of condominium buildings, except the interior of private residential dwelling units, (unless invited therein by the owner or occupant thereof) as well as all public aisles, corridors, halls, rooms, storage areas, or other nonresidential areas of such buildings, for the purpose of ascertaining and causing to be corrected, any condition liable to cause fire or any violation of the provisions or intent of the FFPC, by providing written notice of the code sections violated, and to otherwise enforce any violation of the Fire Protection Provisions of this Code and the FFPC. Whenever the Fire Chief or his/her their duly authorized representatives of the Fire Service Provider/Fire Department determines that a violation exists, the person responsible for maintaining the building or area where such violation exists, shall be given reasonable written notice of such violation, and if the violation continues, a presumption of a violation of the Fire Protection Provisions of this Code and the FFPC, shall be created against the person responsible for maintaining the building or area where such violation exists. Rejections shall include specific reference to the Code Section upon which rejection is based in writing.

Commented [PB4]: FM Group supports removal of this line dealing with condominiums as condominium are apartment buildings

F-103.2.6 Stop-Work Orders. If the Fire Chief becomes aware of a hazardous condition, which presents immediate danger to life, work being done contrary to this code or FFPC, work without permit, he/she they shall be authorized to order the hazard removed or remedied immediately, and shall be empowered to order the closing of the building or

Commented [PB5]: FM Group likes new verbiage support modification Need to be more descriptive and be clear

place where such danger to life violation exists, until such time as same has been corrected. Any failure of immediate compliance shall empower the Fire Chief, or his/her their duly authorized representative finding such hazardous condition creating immediate danger to life, to close such building or cause same to be closed and the people herein evacuated and barred from reentering until such time as such immediate danger to life, work being done contrary to this code or FFPC, work without permit, has been corrected. The Fire Chief, or his/her their duly authorized representative is given the authority to order any gas company, power company, or other utility company, to disconnect its service to any building or buildings containing gas or power installations, where such installations, in the opinion of the Fire Chief, or his/her their duly authorized representative creates an immediate danger to life work being done contrary to this code or FFPC, work without permit, and to otherwise close or evacuate such building thereto, until such installation is repaired or replaced and such hazard to life ceases to exist. Amendment Effective: 02/25/2019
Amendment Effective: 10/11/2019

F-103.4.2 Powers and Duties of the Fire Plans Examiner.

Such employee shall have the duties and powers as delegated by the Fire Chief except that the Fire Chief may not delegate authority to subordinates to interpret provisions of the Fire Protection Provisions of this Code, FFPC, and all Fire Codes which authority is assigned to the Fire Marshal/Fire Code Official. A Fire Plans Examiner, if properly qualified, may be certified and assigned duties in more than one category. Prior to the issuance of any permit for construction, erection, alterations, repair, or demolition, the Fire Plans Examiner shall review all plans and/or specifications in conjunction with the Building Department. One and two family detached residential dwelling units shall not be subject to provisions found in NFPA 101 ~~to~~ during plan review by the Fire Plans Examiner as described in this section or inspection by the Fire Plans Examiner as described in F.S. 633. When approvals by other agencies having authority may logically be required to be affixed to the plans and/or specifications before approval by the Fire Plans Examiner, such approval shall be affixed to the plans and/or specifications before examination by the Fire Plans Examiner. If the application or plans and/or specifications do not conform to the requirements of all pertinent laws or regulations, the Fire Plans Examiner shall reject such application in writing, stating the reasons therefore and citing the relevant code section(s) of the FFPC. Plans and/or specifications that are rejected, as stated herein above, shall be returned for correction. Pen notations on mechanically reproduced plans and/or specifications may be accepted for only minor corrections. If the applications, plans and/or specifications, upon examination, are found to comply with the requirements of the Fire Protection Provisions of this Code, the FFPC, and all Fire Codes, the plans and/or specifications shall be signed and marked approved. Fire Service Provider/Fire Department acceptance of fire and life safety features in buildings after performance objectives are met is required, prior to certificate of occupancy being issued.

Commented [PB6]: FM Group supports the changes to F-103.4.2

Nothing in this section shall be construed to provide an exemption from fire plan review for one and two family detached residential dwelling units which undergo a change in use or occupancy classification.

Commented [PB7]: Proposed by Board Legal

F-104 Broward County Board of Rules and Appeals.

Commented [PB8]: Suggested by Jeff

F-104.1 The Broward County Board of Rules and Appeals shall maintain a staff position to coordinate the enforcement of the Fire Protection Provisions of this Code, the FFPC, and all Fire Codes thereto. This person shall be known as the Chief Fire Prevention Code Compliance Officer and shall be certified as Fire Marshal/Fire Code Official. It is recommended that the individual under consideration for Fire Code Compliance Officer have at a minimum four years documented as a Fire Code Official / Fire Marshal.

Tommy - Not opposed either way. This wording is in the "fire" amendments so it would be assumed but you know what happens when you assume.

The Board lawyer asked for this to be inserted

F-107 Standby Fire Watch:

Commented [PB9]: Suggested by Chief Lucas FM Group need to review in August

F-107.1 Whenever in the opinion of the Fire Chief, Fire Marshal/Fire Code Official, or his/her their duly authorized representative, it is essential for public safety in any place of public assembly when a potentially hazardous condition or a reduction in life safety features exist any other place where people congregate, due to the number of persons, or the nature of the performance, exhibition, display, contest or activity, the Fire Chief or his/her their duly authorized representative may require the owner, agent or lessee to employ one or more certified Fire Inspectors or Firefighters, as required and approved by the Fire Chief, to be on duty at such place. Said Fire Inspectors/Firefighters shall be subject to the Fire Chief's and/or his their duly authorized representative orders at all times, when so employed, and remain on duty during the times such places are open to the public, or when such activity is being conducted. The Fire Chief may allow the use of other trained individuals to serve as an alternative to a Fire inspector / Fire Fighters

FM Grope supports modification 8-20-20

Commented [PB10]: FM Group agreed to changes

Commented [PB11]: Jeff suggested MAY be inserted and Tommy agreed

requirement. Before each performance or the start of such activity, said Fire Inspector/Firefighter or others allowed by the Fire Chief shall inspect all required fire/life safety equipment, to insure that such equipment is in proper working order, and shall keep diligent watch for any emergency that should arise. Should any emergency arise, the Fire Inspector/Firefighter or others allowed by the Fire Chief shall take whatever action necessary to protect the occupants and public from injury or any life-threatening condition.

SECTION F-108

Tents, ~~Air-Supported~~ Membrane Structures, Temporary Structures and Uses

F-108 Tents and ~~Air-Supported Structures~~ Membrane Structures

F-108.1 Places Of Assembly: For the purpose of this Section, a place of assembly shall include any circus, sideshow, carnival, tent show, theater, skating rink, dance hall or any other exhibition, production, engagement or offering, or other place of assembly in or under which 50 or more persons may gather for any purpose.

F-108.1.2 ~~Reserved Spray Application Membrane Enclosures~~

~~Temporary Paint spraying processes of marine vessels within membrane enclosures shall use NFPA 33, 2016, Chapter 18 as a reference.~~

F-108.3 Smoking and Open Flame:

~~F-108.3.1 Approved "NO SMOKING" signs shall be conspicuously posted.~~

F-108.3.2 An approved receptacle for the disposal of lighted smoking materials shall be provided at all entrances to tents and ~~air-supported~~ membrane structures.

F-108.4 Fire Extinguishers and other Fire-Protection Equipment: Fire extinguishers and other fire protection equipment shall be provided in every tent or ~~air-supported~~ membrane structure as follows:

~~F-108.5 Storage of Flammable or Combustible Liquids:~~

~~Flammable or combustible liquid shall not be stored in a tent or air-supported membrane structure nor less than 50 feet from any tent or air-supported membrane structure used for public assembly.~~

F-108.6 Housekeeping: Hay, straw, trash and other flammable material shall not be stored less than 35 feet from any tent or ~~air-supported~~ membrane structure, except as authorized by the authority having jurisdiction.

F-108.10 Vehicles on Display:

F-108.10.1 When vehicles are on display ~~or stored inside any occupancy group other than an automobile show room, mall or place of assembly, the fuel tanks shall be removed or made inert if required by the AHJ, it shall comply with the provisions listed in NFPA 1, 20.1.5.5.4.12~~

~~F-108.10.2 These requirements shall not apply to automotive showrooms.~~

SECTION F-110

~~High Piled Combustible Storage:~~

~~F-110 This Section, at the discretion of the AHJ, shall apply to the storage of high-piled combustible storage.~~

~~F-110.1 Classification of Contents:~~

~~Commodity classification shall be as defined and in accordance with NFPA 13.~~

Commented [PB12]: FM Group – delete air-support and insert Membrane Structures

Commented [PB13]: FM Group – remove places of assembly

Commented [PB14]: Jeff believes this is in NFPA 1 and should be deleted

Tommy: Agrees

Commented [PB15]: FM Group – remove this section

Commented [PB16]: FM Group – remove air support and replace w/ membrane and delete use for public assembly

Commented [PB17]: NFPA 1, 2018 20.1.5.5.4.12

Bruce to provide verbiage agreed to by committee on 8-27-20 Ok Jeff, Tommy and myself

Commented [PB18]: Delete: NFPA 13, Chapter 20 address this code section. FM Group believes that this code section is perceived to be more like Engineering Design and should not be in code.

F-110.2 Roof Vents, Venting Ratios and Draft Stops:

F-110.2.1 Roof vents and draft stops shall be installed when the area used for high piled combustible storage exceeds 2,500 square feet, inclusive of aisles.

F-110.3 Automatic Fire Sprinkler Systems:

F-110.3 Roof vents and draft stops are not required when the area is protected by an approved automatic fire sprinkler system.

F-110.3.1 The design and installation of roof vents and draft stops shall be as specified in the FFPC, this Code except as herein provided.

F-110.3.2 Vents shall be installed in the roof, except that perimeter venting in the exterior walls by the use of automatic opening windows will be permitted to vent roof areas within 75 feet of an exterior wall. The top of such windows shall be located within one (1) foot of the roof or ceiling level and the windows shall be not less than 30 inches nor more than 60 inches in depth. Roof areas more than 75 feet from an exterior wall shall be provided with roof vents. Venting shall be provided in accordance with the following table.

Hazard Classification	Vent Area to Floor Area	Maximum Spacing Between Vent Centers
Classes I, II, III	1:100	120 Feet

Class IV	1:50	100 Feet
Special Hazard Commodities	1:30	75 Feet

F-110.3.3 The minimum dimension of any roof vent shall be not less than four (4) feet.

F-110.3.4 Vents shall consist of automatic roof vents or automatic opening windows equipped with a fusible link designed to release at a higher temperature than the automatic sprinkler but not less than 165 degrees F.

F-110.3.5 Draft stops shall be provided to aid the operation of roof vents.

F-110.3.6 Draft stops shall be at least six (6) feet in height and shall be of approved materials. For Classes I, II, and III commodities, draft stops shall divide the under roof area into sections not to exceed 10,000 square feet. For Class IV and Special Hazard Commodities, draft stops shall divide the under roof area into sections not to exceed 6000 square feet.

F-110.3.7 Aisles of not less than 44 inches in width shall be established to provide access to exits and Fire Service Provider/Fire Department access doors.

F-110.3.8 Access door to building shall be provided. There shall be at least one access door not less than three (3) feet in width and not less than 6 feet 8 inches in height in 100 lineal feet or major fraction thereof of the exterior wall which faces the access roadways required by this Code. Metal roll-up doors are not acceptable for such purposes unless approved by the Fire Marshal/Fire Code Official, or his/her duly authorized representative.

**SECTION F-112
Automatic Sprinklers Required**

F-112 Automatic Sprinklers Required:

F-112.1 Fire flow testing of a water supply for an Automatic Fire Protection Systems (AFPS) and/or Standpipe System using water as an extinguishing agent for new and existing buildings and structures shall be in accordance with NFPA 291, Recommended Practice for Fire Flow Testing and Marking of Hydrants, Florida Administrative Code (FAC) 69A-60.

~~Fire flow testing of the Water Supply for Automatic Fire Protection Systems (AFPS) and Automatic Standpipe Systems (ASS) using water as an extinguishing agent for new buildings and structures and existing buildings and structures where the AFPS and ASS are altered by more than seventy-five (75) percent of their value shall be as follows:~~

~~a) Fire flow test of the water supply for AFPS and ASS shall be in accordance with NFPA 291, Recommended Practice for Fire Flow Testing and Marking of Hydrants, Florida Administrative Code (FAC) 69A-60.~~

~~b) The engineer of record (EOR) shall be responsible to review the fire flow results, potential drought impact and future demands to the water distribution system. Where the EOR determines that the water distribution system will be significantly impacted during drought conditions or as a result of anticipated future growth, the EOR shall provide a safety margin in the design of the AFPS/ASS. The EOR shall utilize NFPA 13 annex as a guide in reviewing water distribution systems.~~

~~c) Design of the water flow for the AFPS and/or ASS shall be the same as that obtained from the fire flow test.~~

~~d) The residual pressure at the required water flow at the connection to the water main for an AFPS and/or ASS shall not be less than 20 PSI.~~

~~e) The static pressure at the water main shall be determined by a recorded method for a minimum twenty-four (24) hour period.~~

~~f) Fire flow test data shall not be more than one (1) year prior to the plans, hydraulic calculations and submittals for the AFPS and/or ASS being submitted to AHJs for their review and acceptance. The results of the fire flow test shall be provided to the AHJ at the time of the submittal of the plans, hydraulic calculations and submittals for the water-based AFPS and/or ASS.~~

F-112.5 Limited Access Structures - Manual Wet Standpipe:

F-112.5.1 Where automatic fire sprinklers are installed in new Mini Storage Buildings, fire department emergency access openings acceptable to the AHJ shall also be provided. The emergency access openings shall not be less than the dimensions referenced in the Life Safety Code for Underground and Limited Access Structures.

~~Required standpipes shall be manual wet. The water connection to the manual wet standpipe shall be from a domestic water system through a minimum 1-inch water connection with an approved manufactured check valve backflow prevention device.~~

SECTION F-114 Portable Fire Extinguishers

F-114 Portable Fire Extinguishers. ~~Portable fire extinguishers shall be installed and maintained at each floor level in multi-family occupancies in accordance with NFPA 10.~~

SECTION F-119

Liquefied Petroleum Gases

Commented [PB19]: Tommy to provide new section

Commented [PB20]: New verbiage proposed by FM Group to capture existing and what is now found in NFPA Code

Commented [PB21]: Delete FM Prevention agreement

They are covered in NFPA Standards

Commented [PB22]: Delete - Is now found in Fire Code and Building Code 905

Commented [PB23]: Proposed by Sandra Llues to clarify NFPA 1, and NFPA 101, 11.7

Commented [PB24]: Delete per FM Group as it can be found in existing code

~~F-119.3 A permit is not required for portable cylinders 20 lbs. or less for portable equipment.~~

Commented [PB25]: Delete FM Group is now in NFPA 58

~~F-119.4.2 Within the limits established by law restricting the storage of liquefied petroleum gas for the protection of heavily populated or congested commercial areas, the aggregate capacity of any one installation shall not exceed 2,000 gallons water capacity, except that in particular installations this capacity limit may be altered at the discretion of the BCFCC by the approval of the Fire AHJ after consideration of special features such as topographical conditions, nature of occupancy and proximity to buildings, capacity of proposed tanks, degree of private fire protection to be provided and facilities of the local Fire Department. The storage of liquefied petroleum gas shall conform to the provisions of the local zoning ordinance.~~

Commented [PB26]: FM Groupe believes that the Fire AHJ should make this decision for his jurisdiction

~~F-119.4.3 Where a distributing point is allowed, there shall be in attendance a qualified person to make the transfer of liquefied petroleum gas. This person shall have been trained by a licensed gas company, and be in possession of documents certifying such training. The owner of the distributing point shall be licensed by the LP Division of the State of Florida Florida Department of Agriculture and Consumer Services – Visions of Consumer Services.~~

Commented [PB27]: Tommy -- Name change - Florida Department of Agriculture and Consumer Services – Division of Consumer Services

Support

~~F-119.4.4 All plans for installations at distributing points shall be submitted to the AHJs for permits and approval. In addition, plans for locations at distributing points for fixed (stationary) installations of~~

- 1) 2,000 gallons individual water capacity, or
- 2) with the aggregate water capacity exceeding 4,000 gallons, or
- 3) Any installation, regardless of size, which will be used for resale to the public, shall be submitted to the State of Florida LP Division Florida Department of Agriculture and Consumer Services – Visions of Consumer Services for approval and proper licensing, and be approved before the installation is started. Other safety precautions shall be adhered to as designated by the Fire Code Official/Fire Marshal, or his/her their duly authorized representative.

~~F-119.4.6 A distributing plant, as defined in F-117.1- 119.2 shall be prohibited unless approved by the Fire Code Official/Fire Marshal or Fire Code Manager/Administrator, or his/her their duly authorized representative, of the jurisdiction.~~

Commented [PB28]: FM Group believe that should reflect F-119.2

~~F-119.9.1 At the discretion of the Authority Having Jurisdiction, whenever the use of liquefied petroleum gas equipment has been discontinued, it shall may be abandoned in an approved manner within a period of 30 days. However, after 90 days, F-119.9.4 applies.~~

Commented [PB29]: FM Group recommend deleting old language and replacing with the following

~~F-119.9.5 Combustible Gas Detection: In all facilities where combustible gases are piped to an appliance, a combustible gas detection system with an external notification device shall be installed in accordance with NFPA 72. The external notification device shall provide audio and visual notification and have a sign not less than 14” x 14” stating “combustible gas detected, call 911”.~~

Commented [PB30]: FM Groupe suggest this new code section after the Plantation explosion related to combustible gas.

~~F-119.10 Protecting containers from Vehicles: LP gas containers located in or adjacent to areas such as alleys, driveways, loading docks or parking lots where they may be damaged by vehicles, shall be protected from damage.~~

Commented [PB31]: Delete FM Group The code section is found in code 58.6.8.1.2

F-119.104 Hydrogen Fuel for Emergency Power Systems.

Hydrogen stationary fuel cell power systems shall be installed in accordance with NFPA 853 of the current edition. Storage shall be in compliance with NFPA 55 (Storage, Use and Handling of Compressed Gases Cryogenic Fluids in Portable or Stationary Containers, Cylinders and Tanks) for installation.

~~F-120.1.6.2.4 The date and time of day at which the display is to be held and the duration time for said display. Permits shall not be issued for displays between the hours of 11:00 pm and 7:30 am.~~

Commented [PB32]: FM Group believes this was left out and make more since

F-120.7 Pyrotechnics Before Proximate Audience

Commented [PB33]: FM Groupe believes this should have a heading

~~F-120.7.1 A permit application for the use of pyrotechnics before a proximate audience shall be submitted in writing to the local Fire Marshal/Fire Code Official, or his/her duly authorized representative at least 15 business days prior to the display. Application for permit to operate a display of pyrotechnics before a proximate audience shall be made~~

Commented [PB34]: FM Group believes that the permitting language found in F-120.1.6.1 need to be uniform as found in F-120.7.1

in writing on forms provided by the Authority Having Jurisdiction to the Fire Chief, or his/her ~~their~~ duly authorized representative, at least 15 days in advance of the date of the display.

~~F-121 Photovoltaic (PV)~~

~~The design, installation, operation, inspection, and maintenance of all photovoltaic electrical equipment shall comply with this section of the Local Fire Code Amendments to the Florida Fire Prevention Code and NFPA 70-NEC.~~

~~F-121.1 Remote Disconnect~~

~~a) If the PV Solar disconnect cannot be located at the utility service point, a sign / placard securely mounted to the building shall indicate the location on the exterior of the building where the solar disconnect can be found. The sign / placard for the remote disconnect shall be affixed at the utility meter, directing the Fire Service Provider/Fire Department personnel to the location where the PV Solar Disconnect can be found (sign / placard material and lettering shall be as stated above and give clear directions to the location of the PV Solar disconnect location).~~

~~F-121.2 PV Solar systems installed in Commercial buildings where any life safety device, equipment, system, level of protection, or any other feature required for compliance with the life safety code relying on continuous electricity shall be inspected for integrity and operability as intended per its respective code.~~

~~F-121.3.1 Rapid Shutdown of PV Systems on Buildings:~~

~~All buildings with solar systems shall comply with NFPA 70, section 690.12 as it relates to a means to disconnect voltage on the load side of solar panels in an emergency situation.~~

F-122 Mobile and Temporary Cooking Operations

~~F-122.1.3 Mobile Food Dispensing Vehicles shall be separated and have a clearance of at least 10 ft. (3 m) in all directions from any vehicles, buildings, combustible materials, and other cooking operations.~~

Commented [PB35]: Delete F-121 Photovoltaic as it is found in NFPA 1, 11.12

Commented [PB36]: Delete as now found in NFPA 1, 50.7.5

PROPOSED AMENDMENTS

Broward County Local Amendments to the Florida Fire Prevention Code

SECTION F-101 GENERAL

F-101.1— Title. These regulations shall be known as the Broward County Local Fire Code Amendments to the Florida Fire Prevention Code (FFPC).

F- 101.2 - Scope. The provisions of this Chapter shall govern the administration and enforcement the FFPC and the Fire Protection Provisions of this Code and shall apply countywide in both incorporated and unincorporated areas of Broward County, Florida. The provisions of this code shall apply to new and existing buildings or structures, equipment, installations, construction, alteration, movement, enlargement, replacement, repair, use and occupancy, location, maintenance, removal and demolition of every building or structure or any appurtenances connected or attached to such buildings.

F-101.2.1 Appendices or Annexes: Provisions in the appendices or Annexes shall not apply unless specifically adopted by Florida Statute 633.

F-101.2.2 Definitions:

- A. **AHJ** means Authority Having Jurisdiction shall be a federal, state, local organization, office or individual responsible for enforcing the requirements of this code as found in Chapter 1, Broward Administrative Provisions.
- B. **BCFCC** means Broward County Fire Code Committee
- C. **BORA** means the Broward County Board of Rules and Appeals
- D. **Engineer** means licensed professional engineer, licensed in the State of Florida
- E. **FBC** means the Florida Building Code
- F. **FFPC** means the Florida Fire Prevention Code including the Broward County Local Fire Amendments to the Florida Fire Prevention Code
- G. **State** means State of Florida
- H. **Fire Code Manager/Administrator** means a person certified by the State Fire Marshal Office as meeting the provisions found in NFPA 1037 and means Fire Marshal / Fire Code Official.
- I. **Fire Service Provider** means Fire Department
- J. **Door / Door Assembly;** when used for fire service provider access as referred to in this code or the FFPC, except

in chapters where other configurations are specifically permitted, shall mean a side hinged, swinging type egress exterior door / door assembly that can be opened from the outside and that provides access to the interior of the dwelling unit or building.

K. AHCA: Agency for Health Care Administration

L. APD: Agency for Persons with Disabilities.

M. Class: The class defines the minimum time, in hours, for which the EPSS is designed to operate at its rated load without being refueled or recharged.

N. Board and Care Occupancy. An occupancy used for lodging and boarding of residents, not related by blood or marriage to the owners or operators, for the purpose of providing personal care services.

O. Legally Required Standby Generator: Those systems required and so classed as legally required standby secondary power sources by municipal, state, federal, or other codes or by any governmental agency having jurisdiction. These systems are intended to automatically supply power to selected loads (other than those classed as emergency systems) ~~in the event of failure of the normal source.~~

P. Emergency Generators Systems: Those systems legally required and classed as emergency by municipal, state, federal, or other codes, or by any governmental agency having jurisdiction. Those systems are intended to automatically supply illumination, power, or both, to designated areas and equipment in the event of failure of the normal supply or in the event of accident to elements of a system intended to supply, distribute, and control power and illumination essential for safety to human life.

Q. EPS: Emergency Power Supply. The source of electric power of the required capacity and quality for an emergency power supply system (EPSS).

R. EPSS: Emergency Power Supply System. A complete functioning EPS system coupled to a system of conductors, disconnecting means and overcurrent protective devices, transfer switches, and all control, supervisory, and support devices up to and including the load terminals of the transfer

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equipment needed to operate as a safe and reliable source of electric power.

S. Permit: A document issued by the AHJ for the purpose of authorizing performance of a specified activity.

T. Plans: Plans are required for new construction, modification, or rehabilitation, construction documents and shop drawings and shall be submitted, reviewed and approved prior to the start of such work. Plans shall be prepared by a licensed Florida professional engineer.

U. Qualified Person: One who has skills and knowledge related to the operation, maintenance, repair, and testing of the EPSS equipment and installations and has received safety training to recognize and avoid the hazards involved.

F-101.3 - Intent. The purpose of the FFPC is to establish the minimum requirements to safeguard the public health, safety and general welfare through structural strength, means of egress, facilities, stability, sanitation, adequate light and ventilation, energy conservation, and safety to life and property from fire and other hazards attributed to the built environment including alteration, repair, removal, demolition, use and occupancy of buildings, structures or premises, and by regulating the installation and maintenance of all electrical, gas, mechanical and plumbing systems, which may be referred to as service systems and to provide safety to fire fighters and emergency responders during emergency operations.

F-101.4 - Violations and Penalties. Any person, firm or corporation, who shall violate a provision of the FFPC or a Fire Protection Provision of this Code or fail to comply therewith, or with any of the requirements thereof, shall be guilty of a misdemeanor. Each such person shall be deemed guilty of a separate offense for each and every day or portion thereof during which any violation of any of the provisions of the FFPC or any Fire Protection Provisions of this Code is committed or continued, and upon conviction of any such violation, such person shall be punishable by a fine of not less than fifty (\$50) nor more than five hundred (\$500) dollars, or by imprisonment not exceeding sixty days, or by both such fine and imprisonment.

F-101.5--- Quality control. Quality control of materials and workmanship is not within the purview of the FFPC or this Code except as it relates to the purposes stated herein.

F-101.6--- Referenced Codes. The other codes listed in and referenced elsewhere in the FFPC, all Fire Codes, and the Fire Protection Provisions of this Code shall be considered part of the requirements of the FFPC to the prescribed extent of each such reference.

F-101.6.1 Fire prevention. For provisions related to fire prevention, refer to the FFPC as referenced in Florida Statute 633, Broward County Local FFPCs as adopted and the Fire Protection Provisions of this Code as referenced above. The FFPC shall apply to matters affecting or relating to structures, processes and premises from the hazard of fire and explosion arising from the storage, handling or use of structures, materials or devices; from conditions hazardous to life,

property or public welfare in the occupancy of structures, or premises; and from the construction, extension, repair, alteration or removal of fire suppression and alarm systems or fire hazards in the structure or on the premises from occupancy or operation.

SECTION F-102 Applicability

F-102.1 General. Where, in any specific case, different sections of this Code specify different materials, methods of construction or other requirements, the most restrictive shall govern. Where there is a conflict between a general requirement and a specific requirement, the specific requirement shall be applicable.

F-102.1.1 FFPC and the Fire Protection Provisions of this Code, does not apply to, and no code enforcement action shall be brought with respect to, zoning requirements, land use requirements and owner specifications or programmatic requirements which do not pertain to and govern the design, construction, erection, alteration, modification, repair or demolition of public or private buildings, structures or facilities or to programmatic requirements that do not pertain to enforcement of, FFPC and Fire Protection Provisions of this Code.

SECTION F-103 Fire Chief, Bureau of Fire Prevention, Fire Marshal, Fire Code Official, Fire Plans Examiner, and Fire Inspector

F- 103 — Bureau of Fire Prevention: A Bureau of Fire Prevention shall be established within the Fire Service Provider/Fire Department, under the direction of the Fire Chief, which shall consist of such Fire Service Provider/Fire Department personnel as may be assigned thereto, by the Fire Chief, in accordance with the requirements prescribed herein. The function of this bureau shall be to assist the Fire Chief in the administration and enforcement of the FFPC, Fire Protection Provisions of this Code, and the Fire Protection Provisions of this Chapter. Personnel assigned to the bureau as the Fire Marshal / Fire Code Official, Fire Plans Examiner, and/or Fire Inspector shall be certified by BORA.

F-103.1 — Appointment of Fire Marshal/ Fire Code Official: There shall be appointed by the Fire Chief certain fire prevention personnel to be qualified as set forth in this Chapter as part of the FFPC to be qualified as Fire Marshal / Fire Code Official. Personnel assigned to the bureau as Fire Marshal / Fire Code Official, Fire Plans Examiner, and / or Fire Inspector shall be State Certified Firefighters, State Certified Fire Inspectors, and certified by BORA. For state certification and recertification refer to Florida State Statute 633.

F- 103.2 Powers and Duties of a Fire Marshal /Fire Code Official: The Fire Chief shall duly authorize ~~his/her~~ their representative of the Fire Service Provider/Fire Department to exercise the powers and perform the duties of the Chief. ~~He/she~~ They shall also be known as Fire Marshal/Fire Code Official. The Fire Marshal/Fire Code Official shall be

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authorized and directed to enforce the Fire Protection Provisions of this Code and the FFPC, and the sole authority to render interpretations of the Fire Protection Provisions of this Code and the FFPC, and to adopt policies and procedures in order to clarify the application of its provisions and shall have responsibility for the administration and enforcement of the FFPC and Fire Protection Provisions of this Code. Such interpretations, policies, and procedures shall be in compliance with the intent and purpose of the Fire Protection Provisions of this Code and the FFPC. Such policies and procedures shall not have the effect of waving requirements specifically provided for in the Fire Protection Provisions of this Code and FFPC. It shall be ~~his/her~~ their duty and responsibility to enforce and coordinate the work of all subordinates such as Fire Plans Examiners and Fire Inspectors. Based on current technology that the Fire Marshal/Fire Code Official does not have to be personally present at the Fire Service Provider/Fire Department as long as ~~he/she~~ they are is available by telephone/computer etc. and can perform their duties. In the event that the Fire Marshal/Fire Code Official/~~Fire Code Administrator~~ is not available to perform his/her duties, the Fire Chief may appoint an interim Fire Marshal/Fire Code Official provided such person is qualified as set forth in Section F-103.3 of this Code and the FFPC. The Fire Chief or Fire Service Provider/Fire Department shall notify in writing BORA of the starting date and period of time that the Interim Fire Marshal/Fire Code Official will assume the Fire Marshal/Fire Code Official's duties. The name of the Interim Fire Marshal/Fire Code Official will be recorded by BORA but ~~he/she~~ they will not be issued a certification card as a Fire Marshal/Fire Code Official. The Fire Marshal/Fire Code Official shall be subject to the powers vested by Florida State Statute 633 and BORA in this Code. If there is one Fire Plans Examiner or Fire Inspector hired by an inspection authority, that Plans Examiner or Inspector shall be a Fire Marshal/ Fire Code Official.

F-103.2.1 Under the Fire Chief's direction, the Fire Service Provider/Fire Department shall enforce the Fire Protection Provisions of this Code and the FFPC and all Fire Codes pertinent to the prevention of fires, suppression or extinguishing of fires, storage, use and handling of explosive, flammable, combustible, toxic, corrosive and other hazardous gaseous, and solid and liquid materials. These inspections shall include, but are not limited to:

F-103.2.1.1 The inspection of equipment and maintenance of automatic, manual and other fire alarm systems and fire extinguishing equipment;

F-103.2.1.2 The maintenance and regulation of fire escapes;

F-103.2.1.3 The maintenance of fire protection and the elimination of fire hazards on land and in buildings, structures and other property, including those under construction;

F-103.2.1.4 The means and adequacy of each exit in the event of fire or similar emergency, from factories, schools, hotels, lodging houses, asylums, hospitals, churches, halls, theaters, amphitheaters and all other places in which people work, live or congregate from time to time for any purpose; and

F-103.2.1.5 The investigation of the origin, cause, and circumstances of fires.

F-103.2.3 No enforcing agency may issue any permit for construction, erection, alteration, repair, or demolition until the Building Official/Fire Code Official, in conjunction with the appropriate fire plans examiner, has reviewed the plans and/or specifications for such proposal and both officials have found the plans and/or specifications to be in compliance with the FFPC and the applicable fire safety standards as determined by the local authority in accordance with the FFPC and Chapter 633, Florida Statutes. Plans shall be reviewed within 30 working days from the date of submission or specifications are received. In the event that agreement cannot be reached between the Building and Fire Officials, the dispute shall be referred to the BCFC for review and recommendation to BORA.

F-103.2.4 It shall be the duty of the Fire Chief of the Fire Service Provider/Fire Department to inspect or cause to be inspected by ~~his/her~~ their duly authorized representatives of the Fire Prevention Bureau, as often as may be necessary, but not less than annually, during normal business hours, for the establishment in question, all buildings and premises, including common or public areas of condominium buildings, except the interior of private residential dwelling units, (unless invited therein by the owner or occupant thereof) as well as all public aisles, corridors, halls, rooms, storage areas, or other nonresidential areas of such buildings, for the purpose of ascertaining and causing to be corrected, any condition liable to cause fire or any violation of the provisions or intent of the FFPC, by providing written notice of the code sections violated, and to otherwise enforce any violation of the Fire Protection Provisions of this Code and the FFPC. Whenever the Fire Chief or ~~his/her~~ their duly authorized representatives of the Fire Service Provider/Fire Department determines that a violation exists, the person responsible for maintaining the building or area where such violation exists, shall be given reasonable written notice of such violation, and if the violation continues, a presumption of a violation of the Fire Protection Provisions of this Code and the FFPC, shall be created against the person responsible for maintaining the building or area where such violation exists. Rejections shall include specific reference to the Code Section upon which rejection is based in writing.

F-103.2.5 Right of Entry. Upon presentation of proper credentials, the Fire Chief, Fire Marshal/Fire Code Official, or ~~his/her~~ their duly authorized representative may enter, at any reasonable time, any building, structure or premises for the purpose of making any inspection or investigation, which under the Fire Protection Provisions of this Code and the FFPC ~~with the exception to private residential dwelling units as defined in FFPC.~~

F-103.2.6 Stop-Work Orders. If the Fire Chief becomes aware of a hazardous condition, which presents immediate danger to life, work being done contrary to this code or FFPC, work without permit, he/she ~~their~~ they shall be authorized to

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105.3.1 Action on application. The Building Official and Fire Code Official or his or her duly authorized representative shall examine or cause to be examined applications for permits and amendments thereto within thirty (30) working days after plans and/or specifications are submitted and accepted for a building permit. The Building Official or his or her duly authorized representative shall notify the applicant in writing or electronically, that a permit is ready for issuance or that additional information is required. If the application or the construction documents do not conform to the requirements of pertinent laws, the Building Official and/or Fire Code Official shall reject such application in writing or electronically, stating the reasons therefore citing relevant code sections. If the Building Official and after consulting with the Fire Code Official is satisfied that the proposed work conforms to the requirements of this Code, laws and ordinances applicable thereto, the Building Official shall issue a permit therefore as soon as practicable, to persons or firms qualified in accordance with 105.3.0.1.1 and/or FFPC.1.12. When authorized through contractual agreement with a school board, in acting on applications for permits, the building official shall give first priority to any applications for the construction of, or addition or renovation to, any school or educational

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Tommy-I agree we need to keep uniform throughout document. I am ok with either Fire Marshal/Fire Code Official or Fire Marshal/Fire Code Administrator. I think official sounds more official but our state certification is fire code admin.

Commented [PB5]: FM Group supports removal of this line dealing with condominiums as cond. are apartment buildings

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order the hazard removed or remedied immediately, and shall be empowered to order the closing of the building or place where such danger to life violation exists, until such time as same has been corrected. Any failure of immediate compliance shall empower the Fire Chief, or his/her their duly authorized representative finding such hazardous condition creating immediate danger to life, to close such building or cause same to be closed and the people herein evacuated and barred from reentering until such time as such immediate danger to life, work being done contrary to this code or FFPC, work without permit, has been corrected. The Fire Chief, or his/her their duly authorized representative is given the authority to order any gas company, power company, or other utility company, to disconnect its service to any building or buildings containing gas or power installations, where such installations, in the opinion of the Fire Chief, or his/her their duly authorized representative creates an immediate danger to life, work being done contrary to this code or FFPC, work without permit, and to otherwise close or evacuate such building and to bar reentry thereto, until such installation is repaired or replaced and such hazard to life ceases to exist. Rejections shall include specific reference to the Code Section upon which rejection is based in writing.

F-103.2.7 The Fire Chief or his/her their duly authorized representative upon the complaint of any person or whenever he/she they shall deem it necessary, shall inspect any buildings and premises within their jurisdiction.

F-103.2.8 Approval of the Fire Service Provider/Fire Department accessibility and all tests of fire alarm detection and suppression systems, smoke evacuation systems and life safety systems shall be conducted prior to final structural inspection and issuance of Certificate of Occupancy.

F-103.2.9 Orders To Eliminate Dangerous Or Hazardous Conditions: Whenever the Fire Chief or his/her their duly authorized representative shall find in any building or upon any premises, dangerous or hazardous conditions or materials, including, but not limited to violations of the requirements encompassed in Chapter 633, Florida Statutes, or the following Paragraphs, he/she they shall order such violations and dangerous conditions or materials removed or remedied.

F-103.2.9.1 Dangerous or unlawful amounts of combustible or explosive or otherwise hazardous materials.

F-103.2.9.2 Hazardous conditions arising from defective or improperly installed equipment for handling or using combustible or explosive or otherwise hazardous materials.

F-103.2.9.3 Dangerous accumulation of rubbish, wastepaper, boxes, shavings, or other flammable materials.

F-103.2.9.4 Accumulations of dust or waste material in air conditioning or ventilation systems or of grease in kitchen or other exhaust ducts.

F-103.2.9.5 Hurricane Protection Devices

After the termination of such periods of time that had been designated by the National Weather Service as being a hurricane watch or warning, hurricane protective devices installed on occupied buildings which impede required egress or required light and ventilation shall be removed within 15 days.

F-103.2.9.6 Obstructions to, on, or under fire escapes, stairs, passageways, or doors, liable to interfere with the operations of the Fire Service Provider/Fire Department or egress of occupants; locked exits shall constitute an unsafe condition.

Exception: unless permitted by the Fire Protection Provisions of this Code and the FFPC.

F-103.2.9.7 Obstruction to windows. Where windows are required to provide the second means of escape from a room or area, the following are prohibited.

F-103.2.9.7.1 Bars that cannot be opened from the inside.

F-103.2.9.7.2 Other obstructions such as security grill.

Exception: Only one (1) window is required to meet the above where two (2) windows are in the same room or area.

F-103.2.9.8 Reserved

F-103.2.9.9 Reserved

F-103.2.9.10 Any building or other structure which, for want of repairs, lack of adequate exit facilities, automatic or other fire alarm apparatus or fire extinguishing equipment, or by reason of age or dilapidated condition, or from any other cause, create a hazardous condition.

F-103.2.9.11 Reserved

F-103.2.9.12 The improper storage, transporting or handling of all classes of flammable or combustible liquids or otherwise hazardous substances any place within the enforcing jurisdiction.

F-103.3 Certification of Fire Marshal/Fire Code Official. The Fire Marshal/Fire Code Official shall be certified by BORA as a Fire Code Official, be a certified Firefighter as defined by 69A-37 as refereed to collectively (parts 1 and 2) as the "Minimum Standards Course", be a State certified Fire Inspector, and shall meet one or more of the following qualifications:

Amendment Effective: 02/

F-103.3.1 An Engineer and/or a Degree in Fire Science and/or a Degree in Fire Prevention and shall have been employed as a County or City Fire Inspector for three (3) years within the State of Florida and shall possess a Broward County Certification.

F-103.3.2 A County or City Fire Plans Examiner with at least five (5) years of experience within the State of Florida and shall possess a Broward County Certification.

F-103.3.3 Ten (10) years' experience as a Fire Inspector, employed in a County or City within the State of Florida with at least five (5) years of experience within the jurisdiction of the FFPC and be a Broward County Certified Fire Inspector.

F-103.3.4 Have been fulfilling the duties of a Fire Marshal/Fire Code Official with five (5) years continuous service as such within a County or City in the State of Florida and shall possess a Broward County Certification.

F-103.3.5 Possesses a certification issued by the State Fire Marshal as a Fire Code Manager/Administrator in accordance with NFPA 1037 with a total of six (6) years' experience with a County or City as a fire plans examiner and inspector in Florida; and shall possess a Broward County Certification.

F-103.3.6 Three (3) years' experience as a Broward County Certified Plans Examiner and nationally certified as an NFPA Certified Fire Inspector 1 (CFI-1), NFPA Certified Fire Plans Examiner (CFPE) and NFPA Certified Fire Protection Specialist (CFPS).

F-103.4 Fire Plans Examiner. As set forth herein:

F-103.4.1 Appointment of a Fire Plans Examiner. There shall be appointed by the Fire Chief of each Fire Service Provider/Fire Department certain fire prevention personnel to be qualified as set forth in this Chapter as part of the FFPC to serve as a Fire Plans Examiner. To be eligible for appointment as a Fire Plans Examiner, such person shall be certified by BORA.

F-103.4.2 Powers and Duties of the Fire Plans Examiner. Such employee shall have the duties and powers as delegated by the Fire Chief except that the Fire Chief may not delegate authority to subordinates to interpret provisions of the Fire Protection Provisions of this Code, FFPC, and all Fire Codes which authority is assigned to the Fire Marshal/Fire Code Official. A Fire Plans Examiner, if properly qualified, may be certified and assigned duties in more than one category. Prior to the issuance of any permit for construction, erection, alterations, repair, or demolition, the Fire Plans Examiner shall review all plans and/or specifications in conjunction with the Building Department. One and two family detached residential dwelling units shall not be subject to provisions found in NFPA 101 ~~to~~ during plan review by the Fire Plans Examiner as described in this section or inspection by the Fire Plans Examiner as described in F.S. 633. When approvals by other agencies having authority may logically be required to be affixed to the plans and/or specifications before approval by the Fire Plans Examiner, such approval shall be affixed to the plans and/or specifications before examination by the Fire

Plans Examiner. If the application or plans and/or specifications do not conform to the requirements of all pertinent laws or regulations, the Fire Plans Examiner shall reject such application in writing, stating the reasons therefore and citing the relevant code section(s) of the FFPC. Plans and/or specifications that are rejected, as stated herein above, shall be returned for correction. Pen notations on mechanically reproduced plans and/or specifications may be accepted for only minor corrections. If the applications, plans and/or specifications, upon examination, are found to comply with the requirements of the Fire Protection Provisions of this Code, the FFPC, and all Fire Codes, the plans and/or specifications shall be signed and marked approved. Fire Service Provider/Fire Department acceptance of fire and life safety features in buildings after performance objectives are met is required, prior to certificate of occupancy being issued.

Nothing in this section shall be construed to provide an exemption from fire plan review for one and two family detached residential dwelling units which undergo a change in use or occupancy classification.

F-103.4.3 Certification of a Fire Plans Examiner. The Fire Plans Examiner shall be certified by BORA as a Fire Plans Examiner, shall be a certified Firefighter as defined by 69A-37 as referred to collectively (parts 1 and 2) as the "Minimum Standards Course", be a State certified Fire Inspector, and shall meet one or more of the following qualifications:

F-103.4.3.1 An Engineer and/or a Degree in Fire Science, and/or a Degree in Fire Prevention and having a minimum of three (3) years as a fire plans examiner with a County or City within the state of Florida and shall be Broward County Certified.

F-103.4.3.2 Five (5) years of experience as a Fire Inspector employed with a County or City in the State of Florida and shall be a Broward County certified.

F-103.4.3.3 Ten (10) years of experience as a firefighter, four (4) years as a state certified fire inspectors employed with a County or City having fulfilled the duties of a fire inspector and shall be a Broward County certified.

F-103.4.3.4 Have been fulfilling the duties of a Fire Plans Examiner with five (5) years continuous service within the State of Florida and be Broward County certified.

F-103.4.3.5 Three (3) years' experience as a Broward County and State of Florida Certified Fire Inspector and nationally certified as an NFPA Certified Fire Inspector (CFI-1) and NFPA Certified Fire Plans Examiner (CFPE) and be Broward County certified.

F-103.5 Fire Inspector. As set forth herein:

F-103.5.1 Appointment of a Fire Inspector. There shall be appointed by the Fire Chief of each Fire Service Provider/Fire Department certain fire prevention personnel to be qualified as

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Tommy - Not opposed either way. This wording is in the "fire" amendments so it would be assumed but you know what happens when you assume.

The Board lawyer asked for this to be inserted

*Amendment Effective: 02/25/20
Amendment Effective: 10/11/20*

Commented [PB8]: FM Group supports the changes to F-103.4.2

set forth in this Chapter as part of the FFPC to serve as a Fire Inspector. To be eligible for appointment as a Fire Inspector, such person shall be certified by BORA.

F-103.5.2 Powers and Duties of the Fire Inspector. Such employee shall have the duties and powers as delegated by the Fire Chief except that the Fire Chief may not delegate authority to subordinates to interpret the Fire Protection provisions of this Code, the FFPC, and all Fire Codes which authority is assigned to the Fire Marshal/Fire Code Official. A Fire Inspector, if properly qualified, may be certified and assigned duties in more than one category. Under the Fire Chief's direction, the Fire Inspector shall enforce all local ordinances of the jurisdiction pertinent to the prevention of fires, suppression or extinguishing of fires, storage, use and handling of explosive, flammable, combustible, toxic, corrosive and other hazardous gaseous, solid and liquid materials. The inspection of equipment and maintenance of automatic, manual, other fire alarm systems, fire extinguishing equipment, and the maintenance and regulation of fire escapes. The maintenance of fire protection and the elimination of fire hazards on land and in buildings, structures and other property, including those under construction. The means and adequacy of each exit in the event of fire or similar emergency, from factories, schools, hotels, lodging houses, asylums, hospitals, churches, halls, theaters, amphitheatres and all other places in which people work, live or congregate from time to time for any purpose. The investigation of the origin, cause, and circumstances of fire(s). If defects, omissions or violations exist on any other part of the system relating to work for which approval is requested, the issuance of the Approval shall be withheld until corrections have been made to the defective portion of the system, and the same are made to comply with this Fire Code. The Fire Inspector shall serve notice to the Fire Contractor/representative or owner/representative in writing, stating the reasons therefore and citing the relevant code section(s).

F-103.5.3 Certification of a Fire Inspector. Application for certification shall be on a form containing such pertinent information as is considered relevant to BORA. To be eligible for appointment as Fire Inspector, such person shall be certified by BORA and shall meet the following qualifications:

F-103.5.3.1 Be a certified Firefighter as defined by 69A-37 as referred to collectively (parts 1 and 2) as the "Minimum Standards Course" and shall be a state certified Fire Inspector.

Exception: At Fire Chief's discretion, a person may be given up to eighteen (18) months to become a Florida Certified Firefighter, from the date of hire.

F-103.5.3.2 Pass a written competency examination approved by BORA, to be given in May and November (only one (1) required) of each year, or the test may be given when requested by at least three (3) applicants.

F-103.5.3.3 Retention;

Individuals currently certified under this code may, at their separation date from a local fire department as an inspector place their certification in a non-active status for one FFPC code cycle or a period of four (4) years whichever is longer,

by notifying the Board of Rules and Appeals in writing of their selection. During this period the individual shall maintain continuing educational credits in Fire Prevention in the amount of 60 hours as required for renewal. At the conclusion of the code cycle or four (4) year period, as stated above the individual previously holding a certification in a non-active status will become null and void unless the provisions for recertification are met at the conclusion of the code cycle or four (4) year period.

F-103.6 Certification. All Fire Service Provider/Fire Department Inspection Personnel shall be certified by BORA.

F-103.6.1 Certification Fee: If applicable, each application shall be accompanied by a check in the amount appropriate for each discipline according to the BORA Fee Schedule for Certification, payable to "Broward County Commissioners."

F-103.6.2 Broward County Certification is valid for a period of four years and shall expire on the same date as their State of Florida Fire Inspector Certification.

F-103.6.3 The certification of Fire Service Provider/Fire Department Inspection Personnel may be revoked, for cause, by BORA. BORA may deny, refuse to renew, suspend, or revoke the BORA certificate of a Fire Marshal/Fire Code Official, Fire Plans Examiner, or Fire Inspector if it finds that any of the following grounds exist:

A) Any cause for which issuance of a certificate could have been refused had it then existed and been known to BORA.

B) Violation of Florida Statutes 633 or any local fire code amendments.

C) Falsification of records relating to the certificate.

D) Having been found guilty of or having pleaded guilty or nolo contendere to a felony, whether or not a judgment of conviction has been entered.

E) Failure to meet any of the renewal requirements.

F) Having been convicted of a crime in any jurisdiction which directly relates to the practice of the fire code inspection, plan review, or administration.

G) Making or filing a report or record that the certificate holder knows to be false, or knowingly inducing another to file a false report or record, or knowingly failing to file a report or record required by the state or local law, or knowingly impeding or obstructing such filings, or knowingly inducing another person to impede or obstruct such filing.

H) Failure to properly enforce applicable fire codes or permit requirements within this state which the certificate holder knows are applicable by committing willful misconduct, gross negligence, gross misconduct, repeated negligence, or negligence resulting in a significant danger to life or property.

I) Accepting labor, service, or materials at no charge or at a noncompetitive rate from any person who performs work that is under the enforcement authority of the certificate holder and who is not an immediate family member of the certificate

holder. For the purpose of this paragraph, the term "immediate family member" means a spouse, child, parent, sibling, grandparent, aunt, uncle, or first cousin of the person or the person's spouse or any person who resides in the primary residence of the certificate holder. BORA upon verification of the above grounds, shall immediately notify the Fire Marshal, Fire Code Official, Fire Plans Examiner, and/ or Fire Inspector involved, who, upon notification from BORA, shall appear before the Board to explain why ~~his/her~~ their certification should not be revoked.

F-103.6.4 Personnel assigned to the bureau as Fire Inspectors shall be State of Florida Certified Firefighters *(see 18 month exception)*, State of Florida Certified Fire Inspectors. For certification refer to Florida State Statute 633. Individuals being considered for appointment will be required to complete an affidavit of compliance with 71-575 (see Board policy 14-02)

F-103.7 Recertification. All Fire Service Provider/Fire Department Inspection Personnel shall be recertified by BORA.

F-103.7.1 To be recertified all Fire Marshal/Fire Code Officials, Fire Plans Examiners, Fire Inspectors or a combination thereof who are presently certified by BORA, shall meet the following criteria:

F-103.7.1.1 Be presently employed by a governmental fire entity within Broward County.

F-103.7.1.2 Recertification shall have the same anniversary date as provided in Florida Statutes, Chapter 633, with the completion of sixty (60) contact hours in continuing education every four (4) consecutive years on Fire Protection and Fire Safety, which are approved by BORA.

F-103.7.1.3 Personnel assigned to the bureau as Fire Inspectors shall be State of Florida Certified Firefighters, and State of Florida Certified Fire Inspectors. For certification or recertification refer to Florida State Statute 633.

F-103.7.2 If certification is not renewed and allowed to lapse, application for recertification shall be accompanied with proof that (15) contact hours per year, in the preceding 4 years in continuing education has been met. Attendance at the BORA meetings and/or the BORA committee meetings shall be counted as one (1) hour for a maximum of fifteen (15) county required contact hours within a four (4) year renewal period.

If the certification is not renewed within 8 years, the individual must retake the state fire safety inspectors training and take the local fire exam and shall be on a form containing such pertinent information as is considered relevant to BORA. Individuals being considered for recertification will be required to complete an affidavit of compliance with 71-575 (see Board policy 14-02)

F-103.7.3 Recertification Fee: If applicable, each application shall be accompanied by a check in the amount appropriate for each discipline according to the BORA Fee Schedule for Recertification, payable to "Broward County Commissioners."

SECTION F-104 Broward County Board of Rules and Appeals

F-104 Broward County Board of Rules and Appeals.

F-104.1 The Broward County Board of Rules and Appeals shall maintain a staff position to coordinate the enforcement of the Fire Protection Provisions of this Code, the FFPC, and all Fire Codes thereto. This person shall be known as the Chief Fire Prevention Code Compliance Officer and shall be certified as Fire Marshal/Fire Code Official. It is recommended that the individual under consideration for Fire Code Compliance Officer have at a minimum four years documented as a Fire Code Official / Fire Marshal as certified by the Board of Rules and Appeals.

F104.2 The Fire Code Compliance Officer shall have the authority to make inspections in the discipline and shall be responsible to see that the Fire Protection Provisions of this Code, the FFPC, and all Fire Codes are being uniformly enforced by all AHJs (building and Fire_Service Provider/Fire Department in Broward County.

SECTION F-105 Broward County Fire Code Committee

F-105 Broward County Fire Code Committee:

F-105.1 In order to determine the suitability of alternate materials and type of construction, to provide for reasonable interpretations of the Fire Protection Provisions of this Code, the FFPC, and all Fire Codes, and to assist in the control of the life/safety in buildings and structures, there is hereby created a Broward County Fire Code Committee, to make recommendations to BORA.

F-105.2 Membership: The BCFCC shall consist of:

1. One Mechanical Engineer, Florida P.E.
2. One Architect, Florida Registered
3. One Fire Sprinkler Contractor
4. One Representative of Persons with disabilities
5. One Master Electrician
6. Four Fire Service (Florida Certified Fire Inspectors)
7. One Fire Service Member of the Board of Rules and Appeals
8. One Contractor, Certified to Install Fire Alarms
9. One General Contractor

Commented [PB11]: Suggested by Chief Lucas FM Group need to review in August

FM Grope supports modification 8-20-20

Commented [PB12]: Remove as certified by the Board of Rules and Appeals as being confusing per legal review

- 10. One Florida P.E., Electrical Discipline
- 11. One Mechanical Contractor
- 12. One Consumer Advocate
- 13 One Florida P.E., Structural Discipline,
- 14 One Chief Plumbing Inspector

F-105.3 Membership, such as membership of the BCFCC, will be for one year (with members being able to succeed themselves through reappointment by BORA Chairperson). The Chairperson of BORA will select all members, including the Chairperson of the BCFCC. The Chairperson of the BCFCC shall be a Fire Service member of BORA.

F-105.4 Appeals from the Decisions of the Fire Chief and/or Building Official:

F-105.4.1 The BCFCC shall review all appeals from the decisions of the Fire Chief and/or Building Official wherein such decision is on matters regulated by the Fire Protection Provisions of this Code, the FFPC, and all Fire Codes. Appeals can be submitted by any person who has reason to believe they have been subjected to unreasonable enforcement of the Fire Protection Provisions of this Code, the FFPC, and all Fire Codes.

F-105.4.2 Procedures for Appeals: The BCFCC shall review the appeal prior to hearing by BORA and shall make recommendations to BORA for resolution of the appeal. BORA shall then hear the appeal and make a final ruling.

F-105.4.3 Decisions by the BOARD related to an appeal of the FFPC can be challenged by submitting a request for a Declaratory Statement to the State Fire Marshal’s Office.

F-105.5 Procedures in County Court /Code Enforcement Board:

When charges are filed based upon a violation under this code, such charges, prepared under the direction of the city, state, or county attorney and shall be heard by a county judge or Code Enforcement Board, within the time prescribed under county court procedures or Code Enforcement Board. Such conditions shall constitute an immediate danger to life.

**SECTION F-106
Authority Fire Chief, Fire Marshal/Fire Code Official, or his/her duly authorized representative**

F-106 Authority:

F-106.1 The Fire Chief, Fire Marshal/Fire Code Official, or his/her their duly authorized representative shall investigate the origin, cause, and circumstances of every fire occurring within their AHJ. Such investigation shall begin immediately

upon the occurrence of a fire, and the Fire Chief, Fire Marshal/Fire Code Official, or his/her duly authorized representative shall be immediately notified of the facts. The Fire Chief, Fire Marshal/Fire Code Official, or his/her their duly authorized representative shall take charge immediately of the physical evidence and shall notify the proper authorities designated by law to pursue the investigation of such matters. The Fire Chief, Fire Marshal/Fire Code Official, or his/her their duly authorized representative shall further cooperate with the authorities in the collection of evidence and in the prosecution of the case.

F-106.2 Notices and Orders. The Fire Chief, Fire Marshal/Fire Code Official or Fire Code Manager/Administrator, or his/her their duly authorized representative shall issue all necessary notices or orders to ensure compliance with the Fire Protection Provisions of this Code, the FFPC, and all Fire Codes.

F-106.2.1 A building, structure, occupancy, premises, or vehicle shall not be used when in violation of the Fire Protection Provisions of this Code, the FFPC, and all Fire Codes.

F-106.2.2 Unlawful Continuance of Fire/Life Safety Hazard: Any person or persons operating or maintaining any occupancy, premises or vehicle subject to this Code who shall permit any fire and/or life safety hazard to exist on premises or property under their control, and who shall fail to take immediate action to abate such hazards, when ordered or notified to do so by the Fire Chief, Fire Marshal/Fire Code Official, or his/her their duly authorized representative, shall be guilty of a second degree misdemeanor. Criminal enforcement of the Fire Protection Provisions of this Code, the FFPC, and all Fire Codes shall remain with local law enforcement departments and officials charged with enforcement of the criminal laws of the State.

F-106.2.3 Concealed Work: The Building Official or his/her duly authorized representative and/or Fire Marshal/Fire Code Official or his/her their duly authorized representative may order portions of the structure frame of a building and/or structure to be exposed for inspection when, in his/her opinion, there is a good reason to believe that a building or portion thereof is in an unsafe or dangerous condition or that there is willful or negligent concealment of a violation of this Code, the Fire Protection Provisions of this Code, the FFPC, and all Fire Codes.

F-106.3 Removal or Destruction of Signs or Tags:

F-106.3.1 It shall be unlawful to remove or tamper with any seal, warning tag, or lock placed on an article, appliance, vehicle, meter, tank, or building by the building department or the Fire Service Provider/Fire Department, without first obtaining permission to do so by the AHJ

F-106.3.2 It shall be unlawful for any person to tamper with or change the position of any utility valve, switch, wiring, piping,

meter, or connection, or alter any utility service in any way, unless properly authorized to do so.

**SECTION F-107
Standby Fire Watch**

F-107 Standby Fire Watch:

F-107.1 Whenever in the opinion of the Fire Chief, Fire Marshal/Fire Code Official, or his/her their duly authorized representative, it is essential for public safety in any place of public assembly when a potentially hazardous condition or a reduction in life safety features exist any other place where people congregate, due to the number of persons, or the nature of the performance, exhibition, display, contest or activity, the Fire Chief or his/her their duly authorized representative may require the owner, agent or lessee to employ one or more certified Fire Inspectors or Firefighters, as required and approved by the Fire Chief, to be on duty at such place. Said Fire Inspectors/Firefighters shall be subject to the Fire Chief's and/or his their duly authorized representative orders at all times, when so employed, and remain on duty during the times such places are open to the public, or when such activity is being conducted. The Fire Chief may allow the use of other trained individuals to serve as an alternative to a Fire inspector / Fire Fighters requirement. Before each performance or the start of such activity, said Fire Inspector/Firefighter or others allowed by the Fire Chief shall inspect all required fire/life safety equipment, to insure that such equipment is in proper working order, and shall keep diligent watch for any emergency that should arise. Should any emergency arise, the Fire Inspector/Firefighter or others allowed by the Fire Chief shall take whatever action necessary to protect the occupants and public from injury or any life-threatening condition.

SECTION F-108

Tents, Air-Supported Membrane Structures, Temporary Structures and Uses

F-108 Tents and Air-Supported Structures Membrane Structures

F-108.1 ~~Places Of Assembly:~~ For the purpose of this Section, a place of assembly shall include any circus, sideshow, carnival, tent show, theater, skating rink, dance hall or any other exhibition, production, engagement or offering, or other place of assembly in or under which 50 or more persons may gather for any purpose.

F-108.1.1 General. The Building Official or Fire Code Official is authorized to issue a permit for the erection of temporary structures such as seats, canopies, tents and fences used in construction work or for temporary purposes such as reviewing stands. Such permits shall be limited as to time of

service, but shall not be permitted for more than 180 days. Such structures shall be completely removed upon the expiration of permit.

- a) Temporary structures, such as tents with sides, exceeding 100 sq./ft., and canopies without sides exceeding 225 sq./ft., containing occupancy or operations that could present a life safety hazard to occupants and/or the general public based on the opinion of the Fire Code Official, shall be required to have a permit issued in conformance with permitting section of Chapter 1 and this code and be in conformance with the Life Safety provisions of this code and the Florida Building Code.

F-108.1.2 ~~Reserved Spray Application Membrane Enclosures~~

~~Temporary Paint spraying processes of marine vessels within membrane enclosures shall use NFPA 33, 2016, Chapter 18 as a reference.~~

F-108.1.3 Conformance.

Temporary structures and uses shall conform to the structural strength, fire safety, means of egress, accessibility, light, ventilation and sanitary requirements of this Code and the FFPC as necessary to ensure public health, safety and general welfare.

F-108.2 Parking of Vehicles: Automotive equipment that is not necessary to the operation of the tent show performance shall not be parked within 20 feet of the tent or ~~air-supported membrane~~ structure. No other automotive equipment or internal combustion engines shall be located within 50 feet of the tent except upon a public street.

F-108.3 Smoking and Open Flame:

~~F-108.3.1 Approved "NO - SMOKING" signs shall be conspicuously posted.~~

F-108.3.2 An approved receptacle for the disposal of lighted smoking materials shall be provided at all entrances to tents and ~~air-supported membrane~~ structures.

F-108.4 Fire Extinguishers and other Fire-Protection Equipment: Fire extinguishers and other fire protection equipment shall be provided in every tent or ~~air-supported membrane~~ structure as follows:

F-108.4.1 A minimum of one 4A-10B:C type extinguisher shall be provided in every tent or air supported structure having a floor area less than 2,000 square feet and also one in each additional 2,000 square feet or fraction thereof.

F-108.4.2 At least one 40-B:C type fire extinguisher shall be provided for each power generator or transformer and at

Commented [PB13]: FM Group agreed to changes

Commented [PB17]: Jeff believes this is in NFPA 1 and should be deleted
Tommy: Agrees

Commented [PB14]: Jeff suggested MAY be inserted and Tommy agreed

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Commented [PB15]: FM Group - delete air-support and insert Membrane Structures

Commented [PB16]: FM Group - remove places of assembly

locations where flammable or combustible liquids are used, stored or dispensed.

F-108.5 Storage of Flammable or Combustible Liquids:

Flammable or combustible liquid shall not be stored in a tent or ~~air-supported membrane~~ structure nor less than 50 feet from any tent or ~~air-supported membrane~~ structure used for public assembly.

F-108.6 Housekeeping: Hay, straw, trash and other flammable material shall not be stored less than 35 feet from any tent or ~~air-supported membrane~~ structure, except as authorized by the authority having jurisdiction.

F-108.7 Seating Arrangements:

F-108.7.1 Bonding of chairs. All loose seats, folding chairs or similar seating facilities that are not fixed to the floor shall be bonded together in groups of not less than six. Exceptions:

- (1) When not more than 500 such seats, chairs or facilities are provided, bonding thereof may be deleted.
- (2) The bonding of chairs shall not be required when tables are provided, as when the occupancy is used for dining or similar purposes.

F-108.7.2 Securing of chairs, folding and telescoping seat seating, reviewing stands, grandstands, and bleachers shall be in accordance with NFPA 102.

F-108.8 Awnings, Tents and Canopies:

F-108.8.1 Awnings, tents, canopies, and similar products whether attached or detached from a building shall have a flame spread rating of 25 or less.

F-108.9 Vehicular Access:

F-108.9.1 Fire access roads shall be surfaced with solid pavement, grass turf reinforced by concrete grids, or by similar type surfaces approved by the authority having jurisdiction, designed to accommodate fire apparatus weighing a minimum of 32 tons.

F-108.9.2 Buildings having ramps and/or elevated roadways shall have posted weight limit signs showing maximum load capacity.

F-108.10 Vehicles on Display:

F-108.10.1 When vehicles are on display ~~or stored~~ inside any occupancy group other than an automobile show room, mall or place of assembly, the fuel tanks shall be removed or made inert if required by the AHJ. ~~it shall comply with the provisions listed in NFPA 1, 20.1.5.5.4.12~~

F-108.10.2 These requirements shall not apply to automotive showrooms.

SECTION F-109 RESERVED

SECTION F-110

High Piled Combustible Storage:

~~F-110~~ This Section, at the discretion of the AHJ, shall apply to the storage of high piled combustible storage.

~~F-110.1 Classification of Contents:~~

~~Commodity classification shall be as defined and in accordance with NFPA 13.~~

~~F-110.2 Roof Vents, Venting Ratios and Draft Stops:~~

~~F-110.2.1~~ Roof vents and draft stops shall be installed when the area used for high piled combustible storage exceeds 2,500 square feet, inclusive of aisles.

~~F-110.3 Automatic Fire Sprinkler Systems:~~

~~F-110.3~~ Roof vents and draft stops are not required when the area is protected by an approved automatic fire sprinkler system.

~~F-110.3.1~~ The design and installation of roof vents and draft stops shall be as specified in the FFPC, this Code except as herein provided.

~~F-110.3.2~~ Vents shall be installed in the roof, except that perimeter venting in the exterior walls by the use of automatic opening windows will be permitted to vent roof areas within 75 feet of an exterior wall. The top of such windows shall be located within one (1) foot of the roof or ceiling level and the windows shall be not less than 30 inches nor more than 60 inches in depth. Roof areas more than 75 feet from an exterior wall shall be provided with roof vents. Venting shall be provided in accordance with the following table.

Hazard	Vent Area to	Maximum	Spacing
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Commented [PB19]: FM Group – remove air support and replace w/ membrane and delete use for public assembly

Commented [PB21]: Delete: NFPA 13, Chapter 20 address this code section. FM Group believes that this code section is perceived to be more like Engineering Design and should not be in code.

Commented [PB20]: NFPA 1, 2018 20.1.5.5.4.12
Bruce to provide verbiage agreed to by committee on 8-27-20
Ok Jeff, Tommy and myself

Classification	Floor Area	Between Vent Centers
Classes I, II, III	1:100	120 Feet
Class IV	1:50	100 Feet
Special Hazard Commodities	1:30	75 Feet

~~F-110.3.3~~ The minimum dimension of any roof vent shall be not less than four (4) feet.

~~F-110.3.4~~ Vents shall consist of automatic roof vents or automatic opening windows equipped with a fusible link designed to release at a higher temperature than the automatic sprinkler but not less than 165 degrees F.

~~F-110.3.5~~ Draft stops shall be provided to aid the operation of roof vents.

~~F-110.3.6~~ Draft stops shall be at least six (6) feet in height and shall be of approved materials. For Classes I, II, and III commodities, draft stops shall divide the under roof area into sections not to exceed 10,000 square feet. For Class IV and Special Hazard Commodities, draft stops shall divide the under roof area into sections not to exceed 6000 square feet.

~~F-110.3.7~~ Aisles of not less than 44 inches in width shall be established to provide access to exits and Fire Service Provider/Fire Department access doors.

~~F-110.3.8~~ Access door to building shall be provided. There shall be at least one access door not less than three (3) feet in width and not less than 6 feet 8 inches in height in 100 lineal feet or major fraction thereof of the exterior wall which faces the access roadways required by this Code. Metal roll-up doors are not acceptable for such purposes unless approved by the Fire Marshal/Fire Code Official, or his/her duly authorized representative.

**SECTION F-111
Test Criteria for Mechanical Smoke Control Systems**

F-111 Initial Acceptance Test Criteria and Periodic Testing of Mechanical Smoke Control Systems:

Test Criteria for Mechanical Smoke Control Systems shall be stated on the mechanical plans.

F-111.1 The following shall receive notice from the Mechanical Contractor so that they may witness the system's performance test:

F-111.1.1 Fire Service AHJ.

F-111.1.2 Building Department (Mechanical) AHJ. .

F-111.1.3 Periodic Testing:

All smoke control systems shall be retested as per the provisions found in the FFPC by a firm (test and balance) possessing a certificate of competency as a test and balance contractor for smoke control systems as required in Broward County Ordinances, Chapter 9 and Broward Local Administrative Provisions Chapter 1 of the FBC and shall be approved by the local AHJ. The smoke control system shall be retested without smoke, in both the manual and automatic modes per the sequence of operation. The annual periodic testing and balancing results shall be provided in a certified test and balance report to the Fire Service Provider/Fire Department AHJ, who shall consult with the Chief Mechanical Inspector

At a minimum the annual periodic test report shall contain the following information;

- 1) All smoke control system air movement equipment and if operating as intended.
- 2) Retest voltage.
- 3) Retest amperage.
- 4) Retest RPM if applicable.
- 5) All smoke control system control dampers shall be identified and if operating as intended.
- 6) All smoke zone differential pressures at egress exit doors (egress doors shall have no more than 30 lbf on break and 15 lbf on swing.

**SECTION F-112
Automatic Sprinklers Required**

F-112 Automatic Sprinklers Required:

~~F-112.1~~ Fire flow testing of a water supply for an Automatic Fire Protection Systems (AFPS) and/or Standpipe System using water as an extinguishing agent for new and existing buildings and structures shall be in accordance with NFPA 291, Recommended Practice for Fire Flow Testing and Marking of Hydrants, Florida Administrative Code (FAC) 69A-60.

~~Fire flow testing of the Water Supply for Automatic Fire Protection Systems (AFPS) and Automatic Standpipe Systems (ASS) using water as an extinguishing agent for new buildings and structures and existing buildings and structures where the AFPS and ASS are altered by more than seventy-five (75) percent of their value shall be as follows:~~

Commented [PB22]: Tommy to provide new section
Commented [PB23]: New verbiage proposed by FM Group to capture existing and what is now found in NFPA Code

a) Fire flow test of the water supply for AFPS and ASS shall be in accordance with NFPA 291, Recommended Practice for Fire Flow Testing and Marking of Hydrants, Florida Administrative Code (FAC) 69A-60.

~~b) The engineer of record (EOR) shall be responsible to review the fire flow results, potential drought impact and future demands to the water distribution system. Where the EOR determines that the water distribution system will be significantly impacted during drought conditions or as a result of anticipated future growth, the EOR shall provide a safety margin in the design of the AFPS/ASS. The EOR shall utilize NFPA 13 annex as a guide in reviewing water distribution systems.~~

~~c) Design of the water flow for the AFPS and/or ASS shall be the same as that obtained from the fire flow test.~~

~~d) The residual pressure at the required water flow at the connection to the water main for an AFPS and/or ASS shall not be less than 20 PSI.~~

~~e) The static pressure at the water main shall be determined by a recorded method for a minimum twenty four (24) hour period.~~

~~f) Fire flow test data shall not be more than one (1) year prior to the plans, hydraulic calculations and submittals for the AFPS and/or ASS being submitted to AHJs for their review and acceptance. The results of the fire flow test shall be provided to the AHJ at the time of the submittal of the plans, hydraulic calculations and submittals for the water based AFPS and/or ASS.~~

F-112.2 The following occupancies shall be protected throughout by an approved automatic sprinkler system installed in accordance with NFPA 13.

F-112.2.1 Storage.

In existing storage occupancies (other than parking garages and high-piled combustible storage) used for the storage of combustible goods or merchandise and exceeding 20,000 square feet per floor.

F-112.2.4 Industrial Occupancies:

All existing industrial occupancies exceeding 15,000 square feet per floor.

F-112.3 Reserved

F-112.4 Where automatic fire sprinkler systems are installed, the location of the Fire Service Provider/Fire Department connection shall be approved by the Fire Service Provider/Fire Department having jurisdiction.

F-112.5 Limited Access Structures — Manual Wet Standpipe.

F-112.5.1 Where automatic fire sprinklers are installed in new Mini Storage Buildings, fire department emergency access openings acceptable to the AHJ shall also be provided. The emergency access openings shall not be less than the dimensions referenced in the Life Safety Code for Underground and Limited Access Structures.

~~Required standpipes shall be manual wet. The water connection to the manual wet standpipe shall be from a domestic water system through a minimum 1 inch water connection with an approved manufactured check valve backflow prevention device.~~

Start Next Meeting here

SECTION F-113 Corridors
F-113 Corridors.

Where exterior corridors or exterior balconies serving as a required means of egress are enclosed on both sides and above, and the length of the enclosure along the long axis is twenty-five (25) feet or more, fire-resistivity of walls and the protection of openings therein shall be required as if such corridors or balconies were enclosed interior corridors.

SECTION F-114 Emergency Response Elevators
~~Portable Fire Extinguishers~~

~~**F-114 Portable Fire Extinguishers.** Portable fire extinguishers shall be installed and maintained at each floor level in multi-family occupancies in accordance with NFPA 10.~~

F-115 RESERVED

SECTION F-116
Flammable and Combustible Liquids

F-116 Flammable and Combustible Liquids.

F-116.1 Underground Storage and Dispensing of Flammable/Combustible Liquids:

Underground tanks used to store flammable liquids shall bear an Underwriters' label or equivalent testing agency. Tank capacity for underground installations shall be limited to thirty thousand (30,000) gallons or less. Any tank to be installed

Commented [PB25]: Delete - Is now found in Fire Code and Building Code 905

Commented [PB26]: Proposed by Sandra Llues to clarify NFPA 1, and NFPA 101, 11.7

Commented [PB24]: Delete FM Prevention agreement
They are covered in NFPA Standards

Commented [PB27]: Delete per FM Group as it can be found in existing code

Commented [PB28]: Bob to provide verbiage related to elevator size (New 3 stories and move)

shall be jointly approved in writing by the Fire Chief, Building Official, the director of zoning, and/or their duly authorized representative, after an appropriate review has been conducted. Such review includes, but is not limited to, an analysis of the proposed installation, location, distance separations, types of occupancies in the vicinity, tank corrosion protection and construction, and applicable zoning restrictions. The maximum storage capacity in any one location shall not exceed an aggregate total of one hundred thousand (100,000) gallons unless approved by the local Fire Code Official. Any property or facility requesting installation of tanks exceeding an aggregate capacity of sixty thousand (60,000) gallons of flammable liquids shall comply with the following additional requirements:

- 1) The property must be of suitable size, shape and topography to allow for the safe installation of the proposed tanks and be in compliance with location requirements identified in other sections of the NFPA, state and local fire codes; and
- 2) The facility must have an attendant on site during hours of operation; and
- 3) The facility must be continuously monitored, either by an on-site attendant or a third party when the facility is not in operation; and
- 4) The operator must provide evidence of an employee training program for on-site attendants that educates concerning all on-site equipment, including life safety equipment and emergency response procedures; and
- 5) The facility must provide additional emergency shut-off stations for ready accessibility by on-site attendants and the public; and
- 6) Station operator shall submit an emergency response plan for review and approval prior to issuance of permits for operations of the facility. The emergency response plan shall, at a minimum, provide emergency contact information and notification requirements, fire prevention and control equipment employed at the site, monitoring requirements and plans and procedures for mitigating release of hazardous materials, as well as all other information required by applicable governing and permitting agencies.

When flammable liquids are stored in more than one location, tanks shall not be interconnected between locations.

Exception: Broward County Office of Transportation's Transit Operations and municipal, county and special districts having underground bulk fuel storage facilities shall comply with the provisions of NFPA 30. Aggregate Limitations of Flammable and Combustible Liquids as per the F- 116.1 shall

not apply. Permit shall be reviewed for compliance by the local Fire Service Provider/Fire Department having Jurisdiction.

F-116.1.1 Underground tanks out of service for a period of one year shall be removed. Underground tanks may be abandoned in place only if approved by the Fire Service Provider/Fire Department having jurisdiction.

F-116.2 Storage and Use on Site of Combustible Liquids Used for Fixed Equipment Shall Be Under the Following Requirements:

F-116.2.1 Aboveground installation of single-wall tanks shall comply with NFPA 30 and the following additional requirements:

F-116.2.1.1 Above ground tanks having a capacity in gallons greater than 10,000 shall be approved by zoning and local AHJ.

Exception: Municipal, County and Special Districts installing aboveground fuel storage tanks for fixed equipment for providing governmental services. Permit shall be reviewed for compliance by the local Fire Service Provider/Fire Department AHJ .

F-116.2.1.2 Tanks shall be surrounded with an embankment or impervious dike not less than four feet high and capable of holding not less than one and one half times the capacity of the tank surrounded. Embankments or dikes shall be continuous, with no opening for piping or roadways.

F-116.2.2 All aboveground storage tanks shall be identified by a suitable sign which will state type of fuel and capacity of the tank.

F-116.2.3 Tanks used for stationary combustion engines and gas turbines shall comply with NFPA 37, as adopted in FAC 69A-60, Standard for the

Installation and Use of Stationary Combustion Engines and Gas Turbines.

F-116.2.4 Distance separation between aboveground storage tanks and property lines and buildings shall be as specified in Table F-116.2.4 below:

Table F-116.2.4

Capacity in Gallons	To line of adjoining unprotected building or property which may be built upon	To line of adjoining protected buildings	To line of existing frame buildings
1,000	12 feet	8 feet	20 feet

2,000	20 feet	15 feet	40 feet
3,000	20 feet	15 feet	40 feet
10,000	30 feet	20 feet	50 feet

F-116.3 Aboveground Storage for Dispensing of Flammable and Combustible Liquids from UL listed 142 (double wall), 2085 or Equivalent Tanks:

F-116.3.1 Aboveground storage of flammable and combustible liquids shall be approved by the Fire Chief, Building Official, and/or their duly authorized representative after an appropriate review has been conducted. Such review includes, but is not limited to, an analysis of the proposed installation, location, distance separations, types of occupancies in the vicinity, tank corrosion protection and construction, and applicable zoning restrictions. The maximum storage capacity in any one location shall not exceed an aggregate total of 12,000 gallons. Aboveground storage of flammable and combustible liquids shall comply with the following regulations:

Exception: Municipal, county and special districts having aboveground fuel storage facilities shall comply with the provisions of NFPA 30. Aggregate Limitations of Flammable and Combustible Liquids as per F116.3.1 shall not apply. Permit shall be reviewed for compliance by the local Fire Service Provider/Fire Department AHJ.

F-116.3.1.1 The provisions in this Section shall not supersede any zoning standard that might regulate or eliminate the use of aboveground storage tanks.

F-116.3.1.2 Aboveground Tanks containing flammable and combustible liquids shall be in approved fire resistive tank enclosure assemblies.

F-116.3.1.2.1 A fire resistive tank enclosure assembly storing flammable liquids shall consist of a tank bearing an Underwriters' label 142, 2085 or an equivalent testing criteria by an approved testing agency. A single tank or combination of tanks shall not exceed 12,000 gallons at one site.

F-116.3.1.3 The tank assembly shall be installed upon a minimum four-inch (4") slab, meeting requirements of the manufacturer's specifications. Each tank assembly shall be anchored to withstand uplifting by flooding or storm surges, including when the tank is empty.

F-116.3.1.4 Area around tank assembly shall be maintained free of combustible waste, debris and all types of storage. Any tank assembly exposed to vehicular traffic shall have collision barrier posts installed on all corners and sides so exposed and shall not be spaced more than four feet (4') apart, center to center. Fire Marshal/Fire Code Official, or his/her

their duly authorized representative, may require the installation of collision barrier posts, even if the clearance guidelines can be achieved.

F-116.3.1.5 Dispensing devices are allowed to be installed on top of the tank enclosure assembly. Any such device dispensing Class 1 liquids shall have installed on the fill hose, a UL listed emergency breakaway device designed not to lose liquid from either side of the breakaway point. All product piping attached to the tank enclosure assembly shall be double walled, contain a shear valve or equivalent, and shall be installed by an authorized pollutant storage system specialty contractor. External piping leading away from the tank shall have a valve located within six inches (6") to the shell of the tank. Approved antisiphon devices shall be installed at each connection of piping to a tank when such piping extends below the level of the top of such tanks both internally and externally. All underground pipe work shall be uncovered until inspected by building and Fire Service Provider/Fire Departments, and other regulatory agencies.

Exception: Factory installed piping does not have to be installed by an authorized pollutant storage system specialty contractor.

F-116.3.1.6 Aboveground tank assemblies temporarily out-of-service for a period not exceeding ninety (90) days shall immediately have the fill, gauge openings and pump suction capped and secured against tampering. The vent lines shall be left open. Aboveground tank assemblies out-of-service for a period exceeding ninety (90) days, shall be removed. The property owner or agent shall notify the Fire Service Provider/Fire Department of any tanks out-of-service greater than 90 days.

F-116.4 Only Labeled and Listed Pumps Shall Be Used; Gravity Flow Pumps Are Prohibited. Fuel shall be drawn from aboveground storage tanks by pumps bearing the label of an Approved Testing Laboratory, such as Underwriters Laboratories, Inc. The use of pressure systems or gravity flow type pump systems is prohibited.

**SECTION F-117
Dispensing Areas**

F-117.1 Dispensing areas shall be provided with a vehicular driveway constructed of reinforced concrete. It shall be sloped to allow any accidental discharge from the dispensing of fluid to flow away from the dispenser or any building, and shall be subject to the approval of the Fire Marshal/Fire Code Official, or his/her their duly authorized representative. This driveway shall be a minimum of twelve feet (12') wide and twenty feet (20') long, minimum. In every case, this driveway shall be

large enough that the fuel hose, when fully extended, does not reach the far edge of the driveway.

F-117.2 A fire extinguisher with a minimum classification 4A-60BC shall be provided and so located that it will be not more than one hundred feet (100') from any pump, dispenser, or fill-pipe opening.

**SECTION F-118
Flammable Liquid Storage at Port Everglades and the Fort Lauderdale-Hollywood International Airport**

F-118.1 Aboveground storage of flammable liquids shall be permitted at Port Everglades and the Fort Lauderdale-Hollywood International Airport ("Airport"). All tank locations at the Airport shall be approved by the Broward County Fire Marshal/Fire Code Official, or his/her their duly authorized representative, prior to the issuance of a permit to erect or install a tank.

F-118.2 All flammable liquid storage tanks at Port Everglades shall be constructed, installed and maintained in accordance with the Port Everglades Tariff Number 12 amendments thereto and reissues thereof.

**SECTION F-119
Liquefied Petroleum Gases**

F-119.1 Scope. This Section shall apply to the storage, handling and transportation of liquefied petroleum gas and the installation of all equipment pertinent to systems for such uses in addition to the requirements stated in NFPA-58, Storage and Handling of Liquefied Petroleum Gases.

F-119.2 Definition. Distributing Plant: A facility, the primary purpose of which is the distribution of gas, and which receives LP-Gas in tank car, truck transport or truck lots, distributing this gas to the end use user by portable container (packaged) delivery, by tank truck or through gas piping. Such plants have bulk storage (2,000 gallons water capacity or more) and usually have container filling and truck loading facilities on the premises. Bulk plants are considered as being in this category. Normally no person other than plant management or plant employees shall have access to these facilities. Additionally, definitions contained in NFPA 58 shall apply.

~~**F-119.3** A permit is not required for portable cylinders 20 lbs. or less for portable equipment.~~

F-119.4 Location of Containers and Limits:

F-119.4.1 All new liquefied petroleum gas storage installation and handling shall be in accordance with NFPA-58, the laws of the State of Florida, and all applicable rules, regulations, and ordinances of the AHJs.

F-119.4.2 Within the limits established by law restricting the storage of liquefied petroleum gas for the protection of heavily populated or congested commercial areas, the aggregate capacity of any one installation shall not exceed 2,000 gallons water capacity, except that in particular installations this capacity limit may be ~~altered at the discretion of the BCFCC~~ by the approval of the Fire AHJ after consideration of special features such as topographical conditions, nature of occupancy and proximity to buildings, capacity of proposed tanks, degree of private fire protection to be provided and facilities of the local Fire Department. The storage of liquefied petroleum gas shall conform to the provisions of the local zoning ordinance.

~~**F-119.4.3** Where a distributing point is allowed, there shall be in attendance a qualified person to make the transfer of liquefied petroleum gas. This person shall have been trained by a licensed gas company, and be in possession of documents certifying such training. The owner of the distributing point shall be licensed by the LP Division of the State of Florida Florida Department of Agriculture and Consumer Services – Visions of Consumer Services.~~

F-119.4.4 All plans for installations at distributing points shall be submitted to the AHJs for permits and approval. In addition, plans for locations at distributing points for fixed (stationary) installations of

- 1) 2,000 gallons individual water capacity, or
- 2) with the aggregate water capacity exceeding 4,000 gallons, or
- 3) Any installation, regardless of size, which will be used for resale to the public, shall be submitted to the State of Florida LP Division Florida Department of Agriculture and Consumer Services – Visions of Consumer Services for approval and proper licensing, and be approved before the installation is started. Other safety precautions shall be adhered to as designated by the Fire Code Official/Fire Marshal, or his/her their duly authorized representative.

F-119.4.5 An LP Gas storage tank shall not be installed on the same island used for gasoline or diesel fuel dispensing. A minimum distance of 25 feet shall be maintained between the LP gas storage tank and the flammable liquid dispensing devices.

~~**F-119.4.6** A distributing plant, as defined in F-117.1-119.2 shall be prohibited unless approved by the Fire Code Official/Fire Marshal or Fire Code Manager/Administrator, or his/her their duly authorized representative, of the jurisdiction.~~

F-119.4.7 Multiple container installations with a total storage water capacity of more than 180,000 gallons (150,000 gallons LP-gas capacity) shall be subdivided into groups containing not more than 180,000 gallons in each group. Such groups

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shall be separated by a distance of not less than 50 feet, unless the tanks are:

- 1) buried or mounted in an approved manner, or
- 2) protected with approved insulation on such areas that may be subject to impingement of ignited gas from pipelines or other leakage, or
- 3) protected by fire-walls of approved construction, or
- 4) protected by an approved system for application of water, or
- 5) protected by other approved means, where one of these forms of protection is provided, the separation shall not be less than 25 feet between such container groups.

F-119.4.8 The storage and transportation of liquefied petroleum gas and the installation of all pertinent equipment shall be installed and maintained in accordance with NFPA-58, and subject to the approval of the Fire Chief, or ~~his/her~~ their duly authorized representative. These orders shall apply to all persons and places within the jurisdiction except as herein provided.

F-119.5 Parking and Garaging: Vehicles containing cylinders of liquefied petroleum gases 20 lbs or greater in size are prohibited in public parking garages, this includes LP gas delivery vehicles. Vehicles that are powered by LP gas and meet NFPA 54 for fuel systems are permitted.

F-119.6 Prohibited Use of Liquefied Petroleum Gas:

F-119.6.1 Liquefied petroleum gas shall not be used for the purpose of operating any device or equipment unless such equipment or device is approved for use with a liquefied petroleum gas.

F-119.6.2 Liquefied petroleum gas shall not be released to the atmosphere except through an approved liquid level gauge or other approved device.

F-119.7 Dispensing and Overfilling.

F-119.7.1 The dispensing of liquefied petroleum gases shall be performed by a qualified attendant.

(a) It shall be illegal for any person, firm, corporation, association, club or organization to operate a self-service liquefied petroleum gas dispensing operation which is open to the public.

F-119.7.2 A person shall not fill or maintain a liquefied petroleum gas container with liquefied petroleum gas in

excess of the fixed outage gauge installed by the manufacturer or the weight stamped on the tank.

F-119.8 Safety Devices.

F-119.8.1 A person shall not tamper with or make ineffective the safety devices of any liquefied petroleum gas container.

F-119.9 Abandonment of Liquefied Petroleum Gas Equipment:

~~F-119.9.1 At the discretion of the Authority Having Jurisdiction, whenever the use of liquefied petroleum gas equipment has been discontinued, it shall~~ may be abandoned in an approved manner within a period of 30 days. However, after 90 days, F-119.9.4 applies.

F-119.9.2 The following procedures may be used when approved by the Fire Chief or ~~his/her~~ their duly authorized representative.

F-119.9.2.1 Removal of all liquefied petroleum equipment.

F-119.9.2.2 Burn-off content of container.

F-119.9.3 All service openings shall be capped or plugged after contents have been removed from container.

F-119.9.4 All LP tanks, abandoned or out of service in excess of ninety (90) days, shall be removed and properly disposed of.

~~F-119.9.5 Combustible Gas Detection; In all facilities where combustible gases are piped to an appliance, a combustible gas detection system with an external notification device shall be installed in accordance with NFPA 72. The external notification device shall provide audio and visual notification and have a sign not less than 14" x 14" stating "combustible gas detected, call 911".~~

~~F-119.10 Protecting containers from Vehicles: LP gas containers located in or adjacent to areas such as alleys, driveways, loading docks or parking lots where they may be damaged by vehicles, shall be protected from damage.~~

F-119.10.1 Hydrogen Fuel for Emergency Power Systems.

Hydrogen stationary fuel cell power systems shall be installed in accordance with NFPA 853 of the current edition. Storage shall be in compliance with NFPA 55 (Storage, Use and Handling of Compressed Gases Cryogenic Fluids in Portable or Stationary Containers, Cylinders and Tanks) for installation.

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**SECTION F-120
Fireworks and Sparkler/Novelty Items**

F-120.1 General Requirements.

F-120.1.1 The manufacturing of fireworks, sparklers and pyrotechnic materials is prohibited.

F-120.1.2 The storage of fireworks and pyrotechnic materials is prohibited except as permitted in NFPA 1, Section 65.

F-120.1.3 Except as hereafter provided, it shall be unlawful for any person, firm, co-partnership or corporation to store, to offer for sale, expose to store, expose for sale, sell at retail, or use or explode any fireworks and/or pyrotechnic materials.

F-120.1.3.1 Consumer fireworks can be utilized as per FS 791 on specified holidays.

F-120.1.4 Approved sparklers per F. S. 791.013 and any wholesaler registered in accordance with Florida Statute 791.015 as of July 1, 1996, who has obtained all applicable governmental licenses and permits to operate from a permanent structure within Broward County as of July 1, 1996, are exempt from this subsection.

F-120.1.5 Wholesale exemption sales of fireworks pursuant to F.S.791.04 shall be prohibited at temporary or seasonal sales sites, and sales sites located in tents, canopies and stands.

F-120.1.6 Permit Requirements and Operator Qualifications.

F-120.1.6.1. Application for permit to operate a display of fireworks or use of pyrotechnics before a proximate audience shall be made in writing on forms provided by the Authority Having Jurisdiction to the Fire Chief, or ~~his/her~~ their duly authorized representative, at least 15 days in advance of the date of the display. Except as specifically modified within this Code, outdoor display of fireworks shall be as specified in NFPA 1123. See Section F 120.2 for additional requirements for Outdoor Display of Fireworks on Private Residential Property. See Section F- 120.3 for additional requirements for Offshore and Barge Fireworks Displays. Except as specifically modified within provisions of the Fire Protection Provisions of this Code, the FFPC, and all Fire Codes, use of pyrotechnics before a proximate audience shall be as specified in NFPA 1126.

F-120.1.6.1.1 Before any permit for a pyrotechnic display shall be issued, the person or organization making application shall furnish proof of financial responsibility to satisfy claims for damages to property or personal injuries arising out of any act or omission on the part of such person or any agent or

employee thereof, in such amount, character, and form as the Fire Chief, or his/her duly authorized representative, determines to be necessary for the protection of the public.

F-120.1.6.1.1.1 A copy of the certificate of insurance naming the permitting agency as additional insured is required.

F-120.1.6.1.1.2 Minimum required amount of certificates of insurance for permit issuance is as follows: \$1,000,000 for bodily injury, and \$50,000 for property damage, per occurrence.

F-120.1.6.2 Permit application shall be set forth and contain the following:

F-120.1.6.2.1 The name, address and telephone number of the organization sponsoring the display, the supplier of the fireworks, the operator (pyrotechnician) and all assistants.

F-120.1.6.2.2 Application shall be signed by the sponsoring organization representative; ~~and the operator (pyrotechnician) and approved by the Chief of Police in accordance with F.S. 791.~~ Fire Chief or his/her designee.

F-120.1.6.2.3 References for the most recent three firework displays supervised and discharged by the designated operator shall be required for review by the AHJ. Said referenced displays shall be similar in size and complexity and will provide contact persons and telephone numbers.

F-120.1.6.2.4 The date and time of day at which the display is to be held and the duration time for said display. Permits shall not be issued for displays between the hours of 11:00 pm and 7:30 am.

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F-120.1.6.2.4.1 Time restrictions stated above may not be applicable on January 1, July 4, and December 31, or any other date where specific permission to operate a display of fireworks is granted by the AHJ.

F-120.1.6.2.5 The exact location address for the display, event or production.

F-120.1.6.2.6 A copy of a location site plan with dimensions indicating the exact location planned for the display site and all grounds and facilities at which the event will be held. This plan shall include the location of all structures, audience viewing areas, roads, trees and utilities.

F-120.1.6.2.7 Operator and assistant qualifications shall comply with the provisions of NFPA 1123 and NFPA 1126.

F-120.1.6.2.7.1 The operator shall be responsible for ensuring that a sufficient number of assistants are available on site for the safe storage and conduct of the fireworks display.

F-120.1.6.2.7.2 Operators shall be at least 21 years of age and all assistants shall be at least 18 years of age. A copy of a valid driver's license or other valid picture I.D. acceptable to the AHJ shall be provided for all operators and assistants.

F-120.1.6.2.8 The type and number of fireworks to be discharged.

F-120.1.6.2.8.1 Aerial displays: Size and number of each type of burst (single, multiple, etc.)

F-120.1.6.2.8.1.1 All aerial shells, regardless of size, shall be fired using approved electrical ignition unless alternate method of ignition is approval by the AHJ.

F-120.1.6.2.8.1.2 All electrically fired displays shall provide a solid barrier located at least 100 feet from the mortar location from which all operators (pyrotechnicians) shall control the display with the exception of displays on barges.

F-120.1.6.2.8.2 **Fixed displays. Size, type and description of displays.**

F-120.1.6.2.8.3 The manner and place of storage of fireworks prior to display. The date, time and travel route from the point the fireworks enter Broward County.

F-120.1.6.2.9 **Standby Firewatch Requirements.**

F-120.1.6.2.9.1 The Fire Chief, or his/her duly authorized representative, shall require one or more standby firewatch personnel employed by the Fire Service Provider/Fire Department, to be on-duty for each display or performance. When deemed necessary the Fire Chief, or his/her **their** duly authorized representative, additional fire rescue apparatus may be required for the display or performance. The expense of such personnel services and apparatus shall be borne by the permit holder, and shall be paid prior to issuance of the permit.

F-120.1.6.2.9.2 The standby firewatch personnel shall be on duty from the time of display set up, during the display, and until termination of the display and removal of all fireworks, debris, pyrotechnical materials and devices from the site.

F-120.1.6.2.9.3 In the case of indoor displays or performances, standby firewatch personnel shall be maintained until total restoration of normal function of the fire safety systems has been verified.

F-120.1.6.2.9.4 At a minimum, at least one of the assigned standby firewatch personnel shall be a BORA Certified Fire Inspector.

F-120.2 Additional Requirements for Outdoor Display of Fireworks on Private Residential Property:

F-120.2.1 Written approval from the property owners located adjacent the proposed display site property is required prior to approval of a permit for outdoor fireworks display.

F-120.2.2 The display site shall have at least a 100 foot per inch radius of internal mortar diameter of the largest shell to be fired.

F-120.2.3 Minimum distance separation shall be no less than 300 feet from the nearest dwelling, building, or structure. This includes canopies, chickee huts, or similar structures, bulk storage areas, public highways, railroads or other means of travel.

F-120.2.4 Not within 1,000 feet of a school, theater, church, hospital, nursing home, assisted living facility, livestock/animal storage site, or similar structures or institutions.

F-120.2.5 No less than 50 foot radius from the nearest aboveground utility, telephone or telegraph line, tree, or other overhead obstruction.

F-120.2.6 The audience shall be restricted behind an approved barrier, location no less than 200 feet from the outside of the required display site distance separations.

F-120.2.7 **Reserved**

F-120.3 **Offshore and Barge Fireworks Displays.**

F-120.3.1 Firework displays shall only be permitted on approved barges. Barge means a non-self-propelled vessel and shall meet the requirements of NFPA 1123 for construction and sizing requirements of the discharge site.

F-120.3.2 A valid copy of a current U.S. Coast Guard permit of operation shall be provided for each barge display, if required by the U.S. Coast Guard.

F-120.3.3 At least two chase boats shall be provided to maintain a clear separation distance of at least 1,000 feet radius around the barge from other vessels, structures and the beach. Chase boats shall also provide transportation of fire rescue personnel when required.

F-120.3.4 Two-way compatible communication shall be provided for use by fire rescue and law enforcement personnel, chase boats and barge crew.

F-120.3.5 Ladder access shall be provided to allow immediate access for inspection and emergency response.

F-120.3.5.1 Stabilization shall be provided to secure the barge and prevent rotation from wind, water current and firing angle.

F-120.3.5.2 Inspection of the barge by the Fire Service Provider/Fire Department shall occur at least one to two hours prior to the scheduled departure for sea.

F-120.4 Safety Precautions for Outdoor fireworks.

F-120.4.1 If in the opinion of the Fire Chief, or his/her duly authorized representative, any unsafe or hazardous condition exists, the fireworks display shall be postponed until such time as said conditions are corrected.

F-120.4.2 If high winds, precipitation or other adverse weather conditions prevail, such that in the opinion of the Fire Chief, or his/her duly authorized representative, a significant hazard exists, the fireworks display shall be postponed until weather conditions improve to an acceptable level to allow discharge.

F-120.4.2.1 No discharge of a fireworks display shall be permitted to take place when the wind velocity is 17 knots (20 mph) or greater.

F-120.4.3 Immediately upon delivery to the display site, all fireworks shall be properly secured and shall not be left unattended at any time. When deemed necessary, the Fire Chief, or his/her their duly authorized representative, may require the operator or employ special security measures to ensure the proper security of the stored fireworks.

F-120.4.4 A minimum of two, two and one-half gallon pressurized water fire extinguishers shall be available in the discharge area. Additional extinguishers or equipment may be required if conditions warrant. In addition, adequate water supply for fire protection shall be available at the discharge site.

F-120.5 Requirements for the Sale, Display, Merchandising, Storage and Handling of Approved Sparklers and Novelty Items within buildings, Structures, Canopies and Outdoor Sites.

F-120.5.1 No person shall be in possession of a lighted cigarette, cigar, or pipe, or any open flame, within 50 feet of any sales, display, merchandising, storage, or handling area. Proper receptacles for disposal of smoking materials shall be provided at all entrances to such areas (i.e. water filled or sand filled buckets).

F-120.5.2 A minimum of two approved two and one-half gallon pressurized water fire extinguishers shall be available within the sales, display, and handling areas; additional fire extinguishers or fire protection equipment may be required by the authority having jurisdiction.

F-120.5.3 Precautions shall be taken to protect against fire or spread of fire in all sites located within fields or lots with

ground cover such as brush, grass or other overgrowth of vegetation.

F-120.5.4 Durable and readily visible signs to read “Caution Sparklers—No Smoking” shall be posted on the exterior of each entrance way into and throughout all sparkler sales, storage, and handling areas within the interior of any building, structure, canopy, or outdoor site. These signs shall be readily visible in all directions.

F-120.5.5 The use, ignition or discharge of any approved sparklers or novelty items is prohibited within buildings or structures where sparklers or novelty items are offered for sale, displayed, or stored, and within 100 feet of any outdoor sales storage or handling sites.

F-120.5.6 Buildings or structures used in whole or in part for sales (retail or wholesale), display, merchandising, handling, or storage of sparklers and/or novelty items shall be fully protected throughout with an automatic sprinklers system in accordance with NFPA 13, the edition in 69A-60, Florida Administrative Code.

F-120.5.7 No storage of sparklers or novelty items shall be permitted in vehicles.

Exception: Transportation purposes only, to and from the site or at a permitted site, if approved by the authority having jurisdiction.

F-120.5.8 Sales, display and merchandising shall be conducted in an approved and safe manner in order to control handling by the general public.

F-120.5.9 Amounts of sparklers and related novelty items displayed within the sales area shall not exceed those amounts approved by the Fire Chief, or his/her their duly authorized representative. Note: Where the primary business of the occupancy is not sale of sparklers, the sale areas of sparklers or novelty items shall not exceed two percent of the net floor space of the building or structure.

F-120.5.10 Storage of approved sparklers and novelty items shall comply with the following.

F-120.5.10.1 Sparklers shall not be stored or kept in any area

F-120.5.10.1.1 In which paints, oils, or varnishes are manufactured or kept for use or sale, unless the paints, oils or varnishes are in unbroken (sealed) containers.

F-120.5.10.1.2 In which resin, turpentine gasoline or flammable substances which may generate vapors are used, stored, or offered for sale unless the resin, turpentine, gasoline, or substance is in unbroken (sealed) containers.

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NFPA 1, 2018 10.10.9.3. Not modified in FFPC

F-120.5.10.1.3 In which there is not at least one 2A10BC fire extinguisher available in the area used for storage.

F-120.5.10.2 Storage of sparklers shall be in an approved manner, remote from the public, and separated from all other merchandise by at least one hour fire protection and an approved automatic sprinkler system.

Exception: Canopies and approved steel storage vaults or containers when used outdoors.

F-120.5.10.3 Approved storage facilities shall be labeled with an approved Explosion placard complying with the Department of Transportation (DOT) Standard.

F-120.5.11 Outdoor sites for sale, storage, and/or handling of approved sparklers shall comply with the following distance requirements: The minimum distance between a storage site and any building or structure shall be 50 feet.

F-120.6 Separation.

F-120.6.1 The minimum distance required between a site and any fuel storage/dispensing area or device shall be 50 feet.

F-120.6.2 Storage areas shall be separated from sales and handling areas by a minimum of 25 feet.

F-120.6.3 Any building or structure used as storage facilities for sparklers and novelty items in conjunction with outdoor sites shall comply with the one hour protection separation and automatic sprinkler system requirements as required for storage areas within building and structures.

Exception: Canopies and approved steel storage vaults or containers.

F-120.6.4 When a canopy can be used in conjunction with an outdoor site operation, the following shall apply:

F-120.6.4.1 No sides of any kind are permitted on the canopy at any time. Provide copy of Building Permit for canopy.

F-120.6.4.2 The canopy shall comply with the flame-retardant requirement. Proper flame retardant certificate required.

F-120.6.4.3 Proper exit and exit access shall be maintained at all times within the interior of the canopy. No obstruction to egress from any portion of the canopy is permitted.

F-120.6.4.4 Provide and maintain a minimum of one 2A40BC dry chemical fire extinguisher, with properly updated service tag for each 2,500 sq. ft. of canopy area. Not less than one fire extinguisher for each canopy.

F-120.6.5 If the site is to operate after daylight hours, the site shall be properly illuminated. If electricity powered and/or electrical equipment is used, the following shall apply:

F-120.6.5.1 All electrical equipment and associated wiring shall comply with NFPA 70, the National Electrical Code, edition as adopted in 69A-60, Florida Administrative Code. Provide copy of permit for electrical service and equipment.

F-120.6.5.2 If fuel powered generator is to be used to supply power for the site, the following shall apply.

F-120.6.5.2.1 Generator shall be kept a minimum distance of twenty feet (20') from sales, storage, or handling area.

F-120.6.5.2.2 Precautions against fire or fire spread shall be taken when generator sites are located within fields or grassed lots.

F-120.6.5.2.3 Only an approved metal five gallon safety container shall be used to store fuel for the generator. Fuel containers shall be properly stored with a maximum of ten gallons per site.

F-120.6.5.2.4 Approved fuel containers shall not be stored in sales, storage, handling areas or vehicles.

F-120.6.5.3 Durable sign to read "NO SMOKING" shall be posted at the generator site.

F-120.7 Pyrotechnics Before Proximate Audience

F-120.7 The requirements for the use of pyrotechnics before a proximate audience shall be in accordance with the standards as set forth in the FFPC. In addition, the following local amendments shall apply:

~~**F-120.7.1** A permit application for the use of pyrotechnics before a proximate audience shall be submitted in writing to the local Fire Marshal/Fire Code Official, or his/her duly authorized representative at least 15 business days prior to the display. Application for permit to operate a display of pyrotechnics before a proximate audience shall be made in writing on forms provided by the Authority Having Jurisdiction to the Fire Chief, or his/her their duly authorized representative, at least 15 days in advance of the date of the display.~~

F-120.7.2 The local Fire Marshal/Fire Code Official, or his/her their duly authorized representative at their discretion, shall require standby fire watch personnel employed by the AHJ of the Fire Service Provider/Fire Department, to be on duty for each display or performance. When deemed necessary by the local Fire Marshal/Fire Code Official, or his/her duly authorized representative, additional fire and

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rescue apparatus may be required for the display or performance. Any and all expense(s) of standby personnel services and apparatus shall be borne by the permit holder.

F-120.7.2.1 Standby fire watch personnel shall be on duty from the time of display setup, during the display, and until termination of the display and removal of all pyrotechnic materials, debris, and devices from the site.

F-120.7.2.2 In the case of indoor displays or performances, standby fire watch personnel shall be maintained until total restoration of normal functioning of the fire safety systems has been verified.

F-120.7.2.3 At a minimum, at least one of the assigned standby fire watch personnel shall be a BORA Certified Fire Inspector.

F-120.7.3 Any indoor use of pyrotechnics shall not be permitted in buildings or any portion thereof unless protected by an approved automatic sprinkler system.

F-120.7.3.1 Indoor use of pyrotechnics shall be prohibited in temporary structures such as tents, canopies,

F-120.8 Rooftop Pyrotechnics: In addition to the aforementioned code requirements, the following shall apply to rooftop pyrotechnic displays:

F-120.8.1 Only NFPA 1126 approved pyrotechnics shall be permitted for all rooftop displays.

F-120.8.1.1 If a rooftop display is being proposed, the pyrotechnician shall identify a debris fallout area on the submitted plan.

F-120.8.1.2 The pyrotechnician shall provide the local Fire Marshal/Fire Code Official, or his/her **their** duly authorized representative with an approved, written notice from the FAA acknowledging receipt of the time frame of the display, the pyrotechnic material used, and approval from the FAA representative to proceed with the event.

F-120.8.1.3 Such an approved written notice shall be a part of the permit application submitted at least 15 working days prior to the event.

F-120.8.1.4 Failure to provide approved, written notice from the FAA to the local Fire Marshal/Fire Code Official, or his/her **their** duly authorized representative, shall be cause for denial to display rooftop pyrotechnics.

F-120.8.1.5 At the discretion of the local Fire Marshal/Fire Code Official, or his/her **their** duly authorized representative, the pyrotechnician may be required to post all, or part of the following:

F-120.8.1.5.1 Additional insurance policy in the amount of one million dollars indemnifying the local AHJ.

F-120.8.1.5.2 Post a refundable clean-up bond with the local AHJ holding the pyrotechnician responsible for post-event clean up from pyrotechnic debris fallout.

F-120.8.1.5.3 If the pyrotechnician is not directly responsible for post event cleanup of debris, the pyrotechnician shall furnish written proof from the party responsible for post event cleanup of pyrotechnic debris.

F-120.8.1.6 The pyrotechnician shall be held responsible for the cleanup of any NFPA 1126 pyrotechnic material fallout on any structure, vehicles, and/or part thereof in the fallout area unless otherwise advised in writing, to the fire code official, as to the contracted party responsible for such cleanup.

~~F-121 Photovoltaic (PV)~~

~~The design, installation, operation, inspection, and maintenance of all photovoltaic electrical equipment shall comply with this section of the Local Fire Code Amendments to the Florida Fire Prevention Code and NFPA 70 NEC.~~

~~F-121.1 Remote Disconnect~~

~~a) If the PV Solar disconnect cannot be located at the utility service point, a sign / placard securely mounted to the building shall indicate the location on the exterior of the building where the solar disconnect can be found. The sign / placard for the remote disconnect shall be affixed at the utility meter, directing the Fire Service Provider/Fire Department personnel to the location where the PV Solar Disconnect can be found (sign / placard material and lettering shall be as stated above and give clear directions to the location of the PV Solar disconnect location).~~

~~**F-121.2** PV Solar systems installed in Commercial buildings where any life safety device, equipment, system, level of protection, or any other feature required for compliance with the life safety code relying on continuous electricity shall be inspected for integrity and operability as intended per its respective code.~~

~~F-121.3.1 Rapid Shutdown of PV Systems on Buildings:~~

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All buildings with solar systems shall comply with NFPA 70, section 690.12 as it relates to a means to disconnect voltage on the load side of solar panels in an emergency situation.

F-122 Mobile and Temporary Cooking Operations

F-122.1 The following section shall be a minimum life safety requirement but can be modified if deemed necessary by the local AHJ.

F-122.1.1 Mobile or Temporary Cooking. Any cooking facility, apparatus or equipment, being operated on a one time or interim basis, or for less than 90 days in the same location, other than at a fixed location, building or structure which has been inspected and permitted under another section of this code, regulation or statute, inclusive of self-propelled trucks and vehicle, trailered units, push carts, equipment located under cover of awnings, canopies or pop-up tents, or other structures for which a building permit has not been issued.

F-122.1.2 All current licensing, semiannual / annual fire suppression system inspections reports and a cleaning report with related documents shall be placed in a binder and accessible to the AHJ at all times.

~~**F-122.1.3** Mobile Food Dispensing Vehicles shall be separated and have a clearance of at least 10 ft. (3 m) in all directions from any vehicles, buildings, combustible materials, and other cooking operations.~~

F-122.1.4 Prior to operating within Broward County, each Mobile Food Dispensing Vehicle shall be inspected and approved.

- a. Inspection and approval by the AHJ shall not relieve the mobile food vendor's owner of the responsibility of compliance with the design, construction, installation, alteration, repairs, equipment maintenance, process and relocation of the mobile food truck.
- b. Inspection and approval shall not hold the AHJ responsible for the enforcement of regulations of such other regulatory agencies unless specifically mandated to enforce those agencies regulations.

F-122.1.5 Cooking equipment that produces grease-laden vapors shall be protected by a fire-extinguishing system. Automatic fire-extinguishing systems shall comply with ANSI/UL300 or other equivalent standards and shall be installed in accordance with the terms of their listing, the manufacturer's instructions, and NFPA 17A.

F-122.2 Cleaning

F-122.2.1 The entire exhaust system, appliances, floor underneath and wall behind appliances, shall be inspected and cleaned for grease buildup by a properly trained, qualified, and certified person(s) acceptable to the AHJ and in accordance with Table 11.4 in NFPA 96 and in accordance with

F-122.3 Fire Extinguishers

F-122.7.1 There shall be a quarter-turn valve installed within the LP- gas piping for emergency shut-off use, shall be installed on the exterior of the vehicle and readily assessable.

F-122.7.2 A "PROPANE EMERGENCY SHUT-OFF" sign and a "NO SMOKING" sign shall be installed directly next to or above the gas cylinder and shall be a highly visible, permanent weatherproof sign with a minimum of 2" lettering.

F-122.7.3 Cylinders shall be retested every 5-12 years in accordance with the manufacturer's recommendations and 49 CFR 180.205.

- a. No letter after the requalification date means the cylinder must be retested within 12 years.
- b. An "S" after the requalification date means the cylinder must be retested within 7 years.
- c. An "E" after the requalification date means the cylinder must be retested within 5 years.

F-122.8 Leak Detection

F-122.8.1 A test gauge shall be installed at or before the regulator for means of leak detection. Pressure shall be observed for a minimum of 3 minutes with no drop in pressure. Propane tanks, hoses and fittings shall be free of leaks. Documentation that the system is free of leaks shall be kept in a binder and readily assessable for the AHJ upon request.

F-123 Permanently Installed Cooking Exhaust Systems

F-123.1 Cooking Exhaust Systems: Cleaning of Cooking Exhaust Systems shall be in compliance with NFPA 96 and the following.

F-123.2 Cooking ventilation systems shall be inspected for grease buildup by a person meeting the training requirements as set forth by International Kitchen Exhaust Cleaning Association (IKECA) or other nationally recognized exhaust system cleaning

Commented [PB42]: Delete as now found in NFPA 1, 50.7.5

association acceptable to the AHJ in accordance with NFPA 96, Section 11.6.1.

F-123.3 Certification of training shall be submitted to the Local AHJ prior to cleaning operations taking place.

F-123.4 The completed inspection or cleaning report as found in NFPA 96, 11.6.14 shall be provided to the owner and a copy along with photos taken prior to cleaning and after cleaning shall be submitted to the local AHJ.

F-124 Uniform Generator Code

F-124.1 Scope The purpose of this document is to provide uniform procedures for the AHJs' in Broward County as it pertains to secondary power sources. Any Board and Care occupancy as defined by the provisions of this code that is required to receive an inspection from an AHJ as per Florida State Statute or the Florida Administrative Code, shall comply with the provisions of this code.

F-124.2 Referenced Publications:

NFPA 1, *Fire Code*

NFPA 30, *Flammable and Combustible Liquids Code*

NFPA 37, *Standard for the Installation of and Use of Stationary Combustion Engines and Gas Turbines*

NFPA 54, *National Fuel Gas Code*

NFPA 58, *Liquefied Petroleum Gas Code*

NFPA 70, *National Electrical Code*

NFPA 72, *National Fire Alarm and Signaling Code*

NFPA 110, *Standard for Emergency and Standby Power Systems*

NFPA 111, *Standard on Stored Electrical Energy Emergency and Standby Power Systems*

NFPA 720, *Standard for the Installation of Carbon Monoxide (CO) Detection and Warning Equipment*

Florida Administrative Code 58A-5.036 for Assisted Living Facilities

Florida Administrative Code 59A-4.1265 for Nursing Homes

Florida Building Code

F-124.3 General:

F-124.3.1 Existing approved, non-conforming installations shall be deemed compliant with this code unless the AHJ determines that non conformity presents a distinct hazard to life.

F-124.3.2 All facilities shall store a minimum of seventy-two (72) hours of fuel onsite and be able to show proof (such as a fuel service contract) of a reliable method to obtain the additional twenty-four (24) hours of fuel within forty-eight (48) hours of a declared State of Emergency. Piped natural gas is an allowable fuel source.

F-124.3.3 If local ordinances or other regulations limit the amount of onsite fuel storage at the location of the facility, then the owner/operator shall develop a plan that includes maximum onsite fuel storage allowable by the ordinance or regulation and a reliable method to obtain the maximum additional fuel at least 24 hours prior to the depletion of the onsite fuel.

F-124.3.4 Storage of any fuels shall be compliant with the applicable National Fire Protection Association's (NFPA) codes and standards.

F-124.3.5 Other fuel sources shall be permitted in conformance with the NFPA 54 and 58 as currently adopted.

F-124.4 Minimum Permit Submittal Requirements:

F-124.4.1 The following is a list of the minimum required information that shall be submitted to the AHJ for review:

- A) Plans shall be submitted for permitting, with details and manufacturer specifications that demonstrate compliance with all applicable NFPA codes and standards. The submittal shall be made by a qualified and licensed contractor.
- B) All generators shall be NFPA 110 compliant.
- C) Plans shall clearly identify the class, type, and level of the generator.
- D) A site plan shall be provided indicating the location of the emergency generator in relation to the building openings as well as adjacent building openings, exit discharges, the fuel source type, and the automatic transfer switch.
- E) The location of the manual emergency shut off shall be clearly identified on the plans. The emergency shut off shall be readily accessible at all times, identified with permanent weatherproof signage, shall be readily visible to emergency responders, and the location shall be approved by the AHJ.
- F) Plans shall demonstrate that the fuel supply can accommodate the specific EPS class and time duration identified on the plans.

- G) Physical protection of the fuel source and generator when located in areas subject to vehicular traffic shall be clearly identified.
- H) A remote generator annunciator shall be installed at a continuously attended location and indicated on the plans, approved by the AHJ.
- I) A signed generator maintenance contract shall be submitted, maintained, and made available to the AHJ upon request.
- J) Carbon monoxide protection shall be installed in accordance with NFPA 720. The location(s) of Carbon Monoxide Alarms shall be indicated on the plans.

F-124.5 Inspection and Testing

- A) Emergency Power Supply Systems' (EPSS), including all appurtenant components, shall be inspected weekly and exercised under load at least monthly.
- B) The facility owner shall ensure that the EPSS is properly maintained and serviced not less than annually by a qualified person or contractor in accordance with the manufacturer's specifications.

F-124.6 Records Retention

- A) Each facility shall provide a binder which contains a log of weekly inspections and monthly load exercise. The owner or their agent is responsible for the proper recording of this information.
- B) The binder shall also include a copy of the annual service agreement as well as the most current annual service report.
- C) This binder shall be made readily accessible to the AHJ upon request.

CLEAN VERSION

Broward County Local Amendments to the Florida Fire Prevention Code

SECTION F-101 GENERAL

F-101.1— Title. These regulations shall be known as the Broward County Local Fire Code Amendments to the Florida Fire Prevention Code (FFPC).

F- 101.2 - Scope. The provisions of this Chapter shall govern the administration and enforcement the FFPC and the Fire Protection Provisions of this Code and shall apply countywide in both incorporated and unincorporated areas of Broward County, Florida. The provisions of this code shall apply to new and existing buildings or structures, equipment, installations, construction, alteration, movement, enlargement, replacement, repair, use and occupancy, location, maintenance, removal and demolition of every building or structure or any appurtenances connected or attached to such buildings.

F-101.2.1 Appendices or Annexes: Provisions in the appendices or Annexes shall not apply unless specifically adopted by Florida Statute 633.

F-101.2.2 Definitions:

- A. **AHJ** means Authority Having Jurisdiction shall be a federal, state, local organization, office or individual responsible for enforcing the requirements of this code as found in Chapter 1, Broward Administrative Provisions.
- B. **BCFCC** means Broward County Fire Code Committee
- C. **BORA** means the Broward County Board of Rules and Appeals
- D. **Engineer** means licensed professional engineer, licensed in the State of Florida
- E. **FBC** means the Florida Building Code
- F. **FFPC** means the Florida Fire Prevention Code including the Broward County Local Fire Amendments to the Florida Fire Prevention Code
- G. **State** means State of Florida
- H. **Fire Code Manager/Administrator** means a person certified by the State Fire Marshal Office as meeting the provisions found in NFPA 1037 and means Fire Marshal / Fire Code Official.
- I. **Fire Service Provider** means Fire Department
- J. **Door / Door Assembly;** when used for fire service provider access as referred to in this code or the FFPC, except

in chapters where other configurations are specifically permitted, shall mean a side hinged, swinging type egress exterior door / door assembly that can be opened from the outside and that provides access to the interior of the dwelling unit or building.

K. AHCA: Agency for Health Care Administration

L. APD: Agency for Persons with Disabilities.

M. Class: The class defines the minimum time, in hours, for which the EPSS is designed to operate at its rated load without being refueled or recharged.

N. Board and Care Occupancy. An occupancy used for lodging and boarding of residents, not related by blood or marriage to the owners or operators, for the purpose of providing personal care services.

O. Legally Required Standby Generator: Those systems required and so classed as legally required standby secondary power sources by municipal, state, federal, or other codes or by any governmental agency having jurisdiction. These systems are intended to automatically supply power to selected loads (other than those classed as emergency systems) in the event of failure of the normal source.

P. Emergency Generators Systems: Those systems legally required and classed as emergency by municipal, state, federal, or other codes, or by any governmental agency having jurisdiction. Those systems are intended to automatically supply illumination, power, or both, to designated areas and equipment in the event of failure of the normal supply or in the event of accident to elements of a system intended to supply, distribute, and control power and illumination essential for safety to human life.

Q. EPS: Emergency Power Supply. The source of electric power of the required capacity and quality for an emergency power supply system (EPSS).

R. EPSS: Emergency Power Supply System. A complete functioning EPS system coupled to a system of conductors, disconnecting means and overcurrent protective devices, transfer switches, and all control, supervisory, and support devices up to and including the load terminals of the transfer equipment needed to operate as a safe and reliable source of

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electric power.

S. Permit: A document issued by the AHJ for the purpose of authorizing performance of a specified activity.

T. Plans: Plans are required for new construction, modification, or rehabilitation, construction documents and shop drawings and shall be submitted, reviewed and approved prior to the start of such work. Plans shall be prepared by a licensed Florida professional engineer.

U. Qualified Person: One who has skills and knowledge related to the operation, maintenance, repair, and testing of the EPSS equipment and installations and has received safety training to recognize and avoid the hazards involved.

F-101.3 - Intent. The purpose of the FFPC is to establish the minimum requirements to safeguard the public health, safety and general welfare through structural strength, means of egress, facilities, stability, sanitation, adequate light and ventilation, energy conservation, and safety to life and property from fire and other hazards attributed to the built environment including alteration, repair, removal, demolition, use and occupancy of buildings, structures or premises, and by regulating the installation and maintenance of all electrical, gas, mechanical and plumbing systems, which may be referred to as service systems and to provide safety to fire fighters and emergency responders during emergency operations.

F-101.4 - Violations and Penalties. Any person, firm or corporation, who shall violate a provision of the FFPC or a Fire Protection Provision of this Code or fail to comply therewith, or with any of the requirements thereof, shall be guilty of a misdemeanor. Each such person shall be deemed guilty of a separate offense for each and every day or portion thereof during which any violation of any of the provisions of the FFPC or any Fire Protection Provisions of this Code is committed or continued, and upon conviction of any such violation, such person shall be punishable by a fine of not less than fifty (\$50) nor more than five hundred (\$500) dollars, or by imprisonment not exceeding sixty days, or by both such fine and imprisonment.

F-101.5--- Quality control. Quality control of materials and workmanship is not within the purview of the FFPC or this Code except as it relates to the purposes stated herein.

F-101.6--- Referenced Codes. The other codes listed in and referenced elsewhere in the FFPC, all Fire Codes, and the Fire Protection Provisions of this Code shall be considered part of the requirements of the FFPC to the prescribed extent of each such reference.

F-101.6.1 Fire prevention. For provisions related to fire prevention, refer to the FFPC as referenced in Florida Statute 633, Broward County Local FFPCs as adopted and the Fire Protection Provisions of this Code as referenced above. The FFPC shall apply to matters affecting or relating to structures, processes and premises from the hazard of fire and explosion arising from the storage, handling or use of structures, materials or devices; from conditions hazardous to life, property or public welfare in the occupancy of structures, or

premises; and from the construction, extension, repair, alteration or removal of fire suppression and alarm systems or fire hazards in the structure or on the premises from occupancy or operation.

SECTION F-102 Applicability

F-102.1 General. Where, in any specific case, different sections of this Code specify different materials, methods of construction or other requirements, the most restrictive shall govern. Where there is a conflict between a general requirement and a specific requirement, the specific requirement shall be applicable.

F-102.1.1 FFPC and the Fire Protection Provisions of this Code, does not apply to, and no code enforcement action shall be brought with respect to, zoning requirements, land use requirements and owner specifications or programmatic requirements which do not pertain to and govern the design, construction, erection, alteration, modification, repair or demolition of public or private buildings, structures or facilities or to programmatic requirements that do not pertain to enforcement of, FFPC and Fire Protection Provisions of this Code.

SECTION F-103 Fire Chief, Bureau of Fire Prevention, Fire Marshal, Fire Code Official, Fire Plans Examiner, and Fire Inspector

F- 103 — Bureau of Fire Prevention: A Bureau of Fire Prevention shall be established within the Fire Service Provider/Fire Department, under the direction of the Fire Chief, which shall consist of such Fire Service Provider/Fire Department personnel as may be assigned thereto, by the Fire Chief, in accordance with the requirements prescribed herein. The function of this bureau shall be to assist the Fire Chief in the administration and enforcement of the FFPC, Fire Protection Provisions of this Code, and the Fire Protection Provisions of this Chapter. Personnel assigned to the bureau as the Fire Marshal / Fire Code Official, Fire Plans Examiner, and/or Fire Inspector shall be certified by BORA.

F-103.1 — Appointment of Fire Marshal/ Fire Code Official: There shall be appointed by the Fire Chief certain fire prevention personnel to be qualified as set forth in this Chapter as part of the FFPC to be qualified as Fire Marshal / Fire Code Official. Personnel assigned to the bureau as Fire Marshal / Fire Code Official, Fire Plans Examiner, and / or Fire Inspector shall be State Certified Firefighters, State Certified Fire Inspectors, and certified by BORA. For state certification and recertification refer to Florida State Statute 633.

F- 103.2 Powers and Duties of a Fire Marshal /Fire Code Official: The Fire Chief shall duly authorize their representative of the Fire Service Provider/Fire Department to exercise the powers and perform the duties of the Chief. They shall also be known as Fire Marshal/Fire Code Official. The Fire Marshal/Fire Code Official shall be authorized and directed to enforce the Fire Protection Provisions of this Code

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and the FFPC, and the sole authority to render interpretations of the Fire Protection Provisions of this Code and the FFPC, and to adopt policies and procedures in order to clarify the application of its provisions and shall have responsibility for the administration and enforcement of the FFPC and Fire Protection Provisions of this Code. Such interpretations, policies, and procedures shall be in compliance with the intent and purpose of the Fire Protection Provisions of this Code and the FFPC. Such policies and procedures shall not have the effect of waiving requirements specifically provided for in the Fire Protection Provisions of this Code and FFPC. It shall be their duty and responsibility to enforce and coordinate the work of all subordinates such as Fire Plans Examiners and Fire Inspectors. Based on current technology that the Fire Marshal/Fire Code Official does not have to be personally present at the Fire Service Provider/Fire Department as long as they are available by telephone/computer etc. and can perform their duties. In the event that the Fire Marshal/Fire Code Official is not available to perform his/her duties, the Fire Chief may appoint an interim Fire Marshal/Fire Code Official provided such person is qualified as set forth in Section F-103.3 of this Code and the FFPC. The Fire Chief or Fire Service Provider/Fire Department shall notify in writing BORA of the starting date and period of time that the Interim Fire Marshal/Fire Code Official will assume the Fire Marshal/Fire Code Official's duties. The name of the Interim Fire Marshal/Fire Code Official will be recorded by BORA but they will not be issued a certification card as a Fire Marshal/Fire Code Official. The Fire Marshal/Fire Code Official shall be subject to the powers vested by Florida State Statute 633 and BORA in this Code. If there is one Fire Plans Examiner or Fire Inspector hired by an inspection authority, that Plans Examiner or Inspector shall be a Fire Marshal/ Fire Code Official.

F-103.2.1 Under the Fire Chief's direction, the Fire Service Provider/Fire Department shall enforce the Fire Protection Provisions of this Code and the FFPC and all Fire Codes pertinent to the prevention of fires, suppression or extinguishing of fires, storage, use and handling of explosive, flammable, combustible, toxic, corrosive and other hazardous gaseous, and solid and liquid materials. These inspections shall include, but are not limited to:

F-103.2.1.1 The inspection of equipment and maintenance of automatic, manual and other fire alarm systems and fire extinguishing equipment;

F-103.2.1.2 The maintenance and regulation of fire escapes;

F-103.2.1.3 The maintenance of fire protection and the elimination of fire hazards on land and in buildings, structures and other property, including those under construction;

F-103.2.1.4 The means and adequacy of each exit in the event of fire or similar emergency, from factories, schools, hotels, lodging houses, asylums, hospitals, churches, halls, theaters, amphitheaters and all other places in which people work, live or congregate from time to time for any purpose; and

F-103.2.1.5 The investigation of the origin, cause, and circumstances of fires.

F-103.2.3 No enforcing agency may issue any permit for construction, erection, alteration, repair, or demolition until the Building Official/Fire Code Official, in conjunction with the appropriate fire plans examiner, has reviewed the plans and/or specifications for such proposal and both officials have found the plans and/or specifications to be in compliance with the FFPC and the applicable fire safety standards as determined by the local authority in accordance with the FFPC and Chapter 633, Florida Statutes. Plans shall be reviewed within 30 working days from the date of submission or specifications are received. In the event that agreement cannot be reached between the Building and Fire Officials, the dispute shall be referred to the BCFCC for review and recommendation to BORA.

F-103.2.4 It shall be the duty of the Fire Chief of the Fire Service Provider/Fire Department to inspect or cause to be inspected by their duly authorized representatives of the Fire Prevention Bureau, as often as may be necessary, but not less than annually, during normal business hours, for the establishment in question, all buildings and premises, including common or public areas as well as all public aisles, corridors, halls, rooms, storage areas, or other nonresidential areas of such buildings, for the purpose of ascertaining and causing to be corrected, any condition liable to cause fire or any violation of the provisions or intent of the FFPC, by providing written notice of the code sections violated, and to otherwise enforce any violation of the Fire Protection Provisions of this Code and the FFPC. Whenever the Fire Chief or their duly authorized representatives of the Fire Service Provider/Fire Department determines that a violation exists, the person responsible for maintaining the building or area where such violation exists, shall be given reasonable written notice of such violation, and if the violation continues, a presumption of a violation of the Fire Protection Provisions of this Code and the FFPC, shall be created against the person responsible for maintaining the building or area where such violation exists. Rejections shall include specific reference to the Code Section upon which rejection is based in writing.

F-103.2.5 Right of Entry. Upon presentation of proper credentials, the Fire Chief, Fire Marshal/Fire Code Official, or their duly authorized representative may enter, at any reasonable time, any building, structure or premises for the purpose of making any inspection or investigation, which under the Fire Protection Provisions of this Code and the FFPC.

F-103.2.6 Stop-Work Orders. If the Fire Chief becomes aware of a hazardous condition, which presents immediate danger to life, work being done contrary to this code or FFPC, work without permit, they shall be authorized to order the hazard removed or remedied immediately, and shall be empowered to order the closing of the building or place where such danger to life violation exists, until such time as same has been corrected. Any failure of immediate compliance shall empower the Fire Chief, or their duly authorized representative finding such hazardous condition creating

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immediate danger to life, to close such building or cause same to be closed and the people herein evacuated and barred from reentering until such time as such immediate danger to life, work being done contrary to this code or FFPC, work without permit, has been corrected. The Fire Chief, or their duly authorized representative is given the authority to order any gas company, power company, or other utility company, to disconnect its service to any building or buildings containing gas or power installations, where such installations, in the opinion of the Fire Chief, or their duly authorized representative creates an immediate danger to life, work being done contrary to this code or FFPC, work without permit, and to otherwise close or evacuate such building and to bar reentry thereto, until such installation is repaired or replaced and such hazard to life ceases to exist. Rejections shall include specific reference to the Code Section upon which rejection is based in writing.

F-103.2.7 The Fire Chief or their duly authorized representative upon the complaint of any person or whenever they shall deem it necessary, shall inspect any buildings and premises within their jurisdiction.

F-103.2.8 Approval of the Fire Service Provider/Fire Department accessibility and all tests of fire alarm detection and suppression systems, smoke evacuation systems and life safety systems shall be conducted prior to final structural inspection and issuance of Certificate of Occupancy.

F-103.2.9 Orders To Eliminate Dangerous Or Hazardous Conditions: Whenever the Fire Chief or their duly authorized representative shall find in any building or upon any premises, dangerous or hazardous conditions or materials, including, but not limited to violations of the requirements encompassed in Chapter 633, Florida Statutes, or the following Paragraphs they shall order such violations and dangerous conditions or materials removed or remedied.

F-103.2.9.1 Dangerous or unlawful amounts of combustible or explosive or otherwise hazardous materials.

F-103.2.9.2 Hazardous conditions arising from defective or improperly installed equipment for handling or using combustible or explosive or otherwise hazardous materials.

F-103.2.9.3 Dangerous accumulation of rubbish, wastepaper, boxes, shavings, or other flammable materials.

F-103.2.9.4 Accumulations of dust or waste material in air conditioning or ventilation systems or of grease in kitchen or other exhaust ducts.

F-103.2.9.5 Hurricane Protection Devices

After the termination of such periods of time that had been designated by the National Weather Service as being a hurricane watch or warning, hurricane protective devices installed on occupied buildings which impede required egress or required light and ventilation shall be removed within 15 days.

F-103.2.9.6 Obstructions to, on, or under fire escapes, stairs, passageways, or doors, liable to interfere with the operations of the Fire Service Provider/Fire Department or egress of occupants; locked exits shall constitute an unsafe condition.

Exception: unless permitted by the Fire Protection Provisions of this Code and the FFPC.

F-103.2.9.7 Obstruction to windows. Where windows are required to provide the second means of escape from a room or area, the following are prohibited.

F-103.2.9.7.1 Bars that cannot be opened from the inside.

F-103.2.9.7.2 Other obstructions such as security grill.

Exception: Only one (1) window is required to meet the above where two (2) windows are in the same room or area.

F-103.2.9.8 Reserved

F-103.2.9.9 Reserved

F-103.2.9.10 Any building or other structure which, for want of repairs, lack of adequate exit facilities, automatic or other fire alarm apparatus or fire extinguishing equipment, or by reason of age or dilapidated condition, or from any other cause, create a hazardous condition.

F-103.2.9.11 Reserved

F-103.2.9.12 The improper storage, transporting or handling of all classes of flammable or combustible liquids or otherwise hazardous substances any place within the enforcing jurisdiction.

F-103.3 Certification of Fire Marshal/Fire Code Official. The Fire Marshal/Fire Code Official shall be certified by BORA as a Fire Code Official, be a certified Firefighter as defined by 69A-37 as referred to collectively (parts 1 and 2) as the "Minimum Standards Course", be a State certified Fire Inspector, and shall meet one or more of the following qualifications:

F-103.3.1 An Engineer and/or a Degree in Fire Science and/or a Degree in Fire Prevention and shall have been employed as a County or City Fire Inspector for three (3) years within the State of Florida and shall possess a Broward County Certification.

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F-103.3.2 A County or City Fire Plans Examiner with at least five (5) years of experience within the State of Florida and shall possess a Broward County Certification.

F-103.3.3 Ten (10) years' experience as a Fire Inspector, employed in a County or City within the State of Florida with at least five (5) years of experience within the jurisdiction of the FFPC and be a Broward County Certified Fire Inspector.

F-103.3.4 Have been fulfilling the duties of a Fire Marshal/Fire Code Official with five (5) years continuous service as such within a County or City in the State of Florida and shall possess a Broward County Certification.

F-103.3.5 Possesses a certification issued by the State Fire Marshal as a Fire Code Manager/Administrator in accordance with NFPA 1037 with a total of six (6) years' experience with a County or City as a fire plans examiner and inspector in Florida. and shall possess a Broward County Certification.

F-103.3.6 Three (3) years' experience as a Broward County Certified Plans Examiner and nationally certified as an NFPA Certified Fire Inspector 1 (CFI-1), NFPA Certified Fire Plans Examiner (CFPE) and NFPA Certified Fire Protection Specialist (CFPS).

F-103.4 Fire Plans Examiner. As set forth herein:

F-103.4.1 Appointment of a Fire Plans Examiner. There shall be appointed by the Fire Chief of each Fire Service Provider/Fire Department certain fire prevention personnel to be qualified as set forth in this Chapter as part of the FFPC to serve as a Fire Plans Examiner. To be eligible for appointment as a Fire Plans Examiner, such person shall be certified by BORA.

F-103.4.2 Powers and Duties of the Fire Plans Examiner. Such employee shall have the duties and powers as delegated by the Fire Chief except that the Fire Chief may not delegate authority to subordinates to interpret provisions of the Fire Protection Provisions of this Code, FFPC, and all Fire Codes which authority is assigned to the Fire Marshal/Fire Code Official. A Fire Plans Examiner, if properly qualified, may be certified and assigned duties in more than one category. Prior to the issuance of any permit for construction, erection, alterations, repair, or demolition, the Fire Plans Examiner shall review all plans and/or specifications in conjunction with the Building Department. One and two family detached residential dwelling units shall not be subject to provisions found in NFPA 101 during plan review by the Fire Plans Examiner as described in this section or inspection by the Fire Plans Examiner as described in F.S. 633. When approvals by other agencies having authority may logically be required to be affixed to the plans and/or specifications before approval by the Fire Plans Examiner, such approval shall be affixed to the plans and/or specifications before examination by the Fire Plans Examiner. If the application or plans and/or specifications do not conform to the requirements of all pertinent laws or regulations, the Fire Plans Examiner shall reject such application in writing, stating the reasons therefore and citing the relevant code section(s) of the FFPC. Plans and/or specifications that are rejected, as stated herein above, shall be returned for correction. Pen notations on mechanically reproduced plans and/or specifications may be accepted for

only minor corrections. If the applications, plans and/or specifications, upon examination, are found to comply with the requirements of the Fire Protection Provisions of this Code, the FFPC, and all Fire Codes, the plans and/or specifications shall be signed and marked approved. Fire Service Provider/Fire Department acceptance of fire and life safety features in buildings after performance objectives are met is required, prior to certificate of occupancy being issued.

Nothing in this section shall be construed to provide an exemption from fire plan review for one and two family detached residential dwelling units which undergo a change in use or occupancy classification.

F-103.4.3 Certification of a Fire Plans Examiner. The Fire Plans Examiner shall be certified by BORA as a Fire Plans Examiner, shall be a certified Firefighter as defined by 69A-37 as referred to collectively (parts 1 and 2) as the "Minimum Standards Course", be a State certified Fire Inspector, and shall meet one or more of the following qualifications:

F-103.4.3.1 An Engineer and/or a Degree in Fire Science, and/or a Degree in Fire Prevention and having a minimum of three (3) years as a fire plans examiner with a County or City within the state of Florida and shall be Broward County Certified.

F-103.4.3.2 Five (5) years of experience as a Fire Inspector employed with a County or City in the State of Florida and shall be a Broward County certified.

F-103.4.3.3 Ten (10) years of experience as a firefighter, four (4) years as a state certified fire inspectors employed with a County or City having fulfilled the duties of a fire inspector and shall be a Broward County certified.

F-103.4.3.4 Have been fulfilling the duties of a Fire Plans Examiner with five (5) years continuous service within the State of Florida and be Broward County certified.

F-103.4.3.5 Three (3) years' experience as a Broward County and State of Florida Certified Fire Inspector and nationally certified as an NFPA Certified Fire Inspector (CFI-1) and NFPA Certified Fire Plans Examiner (CFPE) and be Broward County certified.

F-103.5 Fire Inspector. As set forth herein:

F-103.5.1 Appointment of a Fire Inspector. There shall be appointed by the Fire Chief of each Fire Service Provider/Fire Department certain fire prevention personnel to be qualified as set forth in this Chapter as part of the FFPC to serve as a Fire Inspector. To be eligible for appointment as a Fire Inspector, such person shall be certified by BORA.

F-103.5.2 Powers and Duties of the Fire Inspector. Such employee shall have the duties and powers as delegated by the Fire Chief except that the Fire Chief may not delegate authority to subordinates to interpret the Fire Protection provisions of this Code, the FFPC, and all Fire Codes which authority is assigned to the Fire Marshall/Fire Code Official. A Fire Inspector, if properly qualified, may be certified and

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assigned duties in more than one category. Under the Fire Chief's direction, the Fire Inspector shall enforce all local ordinances of the jurisdiction pertinent to the prevention of fires, suppression or extinguishing of fires, storage, use and handling of explosive, flammable, combustible, toxic, corrosive and other hazardous gaseous, solid and liquid materials. The inspection of equipment and maintenance of automatic, manual, other fire alarm systems, fire extinguishing equipment, and the maintenance and regulation of fire escapes. The maintenance of fire protection and the elimination of fire hazards on land and in buildings, structures and other property, including those under construction. The means and adequacy of each exit in the event of fire or similar emergency, from factories, schools, hotels, lodging houses, asylums, hospitals, churches, halls, theaters, amphitheaters and all other places in which people work, live or congregate from time to time for any purpose. The investigation of the origin, cause, and circumstances of fire(s). If defects, omissions or violations exist on any other part of the system relating to work for which approval is requested, the issuance of the Approval shall be withheld until corrections have been made to the defective portion of the system, and the same are made to comply with this Fire Code. The Fire Inspector shall serve notice to the Fire Contractor/representative or owner/representative in writing, stating the reasons therefore and citing the relevant code section(s).

F-103.5.3 Certification of a Fire Inspector. Application for certification shall be on a form containing such pertinent information as is considered relevant to BORA. To be eligible for appointment as Fire Inspector, such person shall be certified by BORA and shall meet the following qualifications:

F-103.5.3.1 Be a certified Firefighter as defined by 69A-37 as referred to collectively (parts 1 and 2) as the "Minimum Standards Course" and shall be a state certified Fire Inspector.

Exception: At Fire Chief's discretion, a person may be given up to eighteen (18) months to become a Florida Certified Firefighter, from the date of hire.

F-103.5.3.2 Pass a written competency examination approved by BORA, to be given in May and November (only one (1) required) of each year, or the test may be given when requested by at least three (3) applicants.

F-103.5.3.3 Retention;

Individuals currently certified under this code may, at their separation date from a local fire department as an inspector place their certification in a non-active status for one FFPC code cycle or a period of four (4) years whichever is longer, by notifying the Board of Rules and Appeals in writing of their selection. During this period the individual shall maintain continuing educational credits in Fire Prevention in the amount of 60 hours as required for renewal. At the conclusion of the code cycle or four (4) year period, as stated above the individual previously holding a certification in a non-active status will become null and void unless the provisions for recertification are met at the conclusion of the code cycle or four (4) year period.

F-103.6 Certification. All Fire Service Provider/Fire Department Inspection Personnel shall be certified by BORA.

F-103.6.1 Certification Fee: If applicable, each application shall be accompanied by a check in the amount appropriate for each discipline according to the BORA Fee Schedule for Certification, payable to "Broward County Commissioners."

F-103.6.2 Broward County Certification is valid for a period of four years and shall expire on the same date as their State of Florida Fire Inspector Certification.

F-103.6.3 The certification of Fire Service Provider/Fire Department Inspection Personnel may be revoked, for cause, by BORA. BORA may deny, refuse to renew, suspend, or revoke the BORA certificate of a Fire Marshal/Fire Code Official, Fire Plans Examiner, or Fire Inspector if it finds that any of the following grounds exist:

A) Any cause for which issuance of a certificate could have been refused had it then existed and been known to BORA.

B) Violation of Florida Statutes 633 or any local fire code amendments.

C) Falsification of records relating to the certificate.

D) Having been found guilty of or having pleaded guilty or nolo contendere to a felony, whether or not a judgment of conviction has been entered.

E) Failure to meet any of the renewal requirements.

F) Having been convicted of a crime in any jurisdiction which directly relates to the practice of the fire code inspection, plan review, or administration.

G) Making or filing a report or record that the certificate holder knows to be false, or knowingly inducing another to file a false report or record, or knowingly failing to file a report or record required by the state or local law, or knowingly impeding or obstructing such filings, or knowingly inducing another person to impede or obstruct such filing.

H) Failure to properly enforce applicable fire codes or permit requirements within this state which the certificate holder knows are applicable by committing willful misconduct, gross negligence, gross misconduct, repeated negligence, or negligence resulting in a significant danger to life or property.

I) Accepting labor, service, or materials at no charge or at a noncompetitive rate from any person who performs work that is under the enforcement authority of the certificate holder and who is not an immediate family member of the certificate holder. For the purpose of this paragraph, the term "immediate family member" means a spouse, child, parent, sibling, grandparent, aunt, uncle, or first cousin of the person or the person's spouse or any person who resides in the primary residence of the certificate holder. BORA upon verification of the above grounds, shall immediately notify the Fire Marshal, Fire Code Official, Fire Plans Examiner, and/ or Fire Inspector involved, who, upon notification from BORA, shall appear before the Board to

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explain why his/her **their** certification should not be revoked.

F-103.6.4 Personnel assigned to the bureau as Fire Inspectors shall be State of Florida Certified Firefighters (*see 18 month exception*), State of Florida Certified Fire Inspectors. For certification refer to Florida State Statute 633. Individuals being considered for appointment will be required to complete an affidavit of compliance with 71-575 (see Board policy 14-02)

F-103.7 Recertification. All Fire Service Provider/Fire Department Inspection Personnel shall be recertified by BORA.

F-103.7.1 To be recertified all Fire Marshal/Fire Code Officials, Fire Plans Examiners, Fire Inspectors or a combination thereof who are presently certified by BORA, shall meet the following criteria:

F-103.7.1.1 Be presently employed by a governmental fire entity within Broward County.

F-103.7.1.2 Recertification shall have the same anniversary date as provided in Florida Statutes, Chapter 633, with the completion of sixty (60) contact hours in continuing education every four (4) consecutive years on Fire Protection and Fire Safety, which are approved by BORA.

F-103.7.1.3 Personnel assigned to the bureau as Fire Inspectors shall be State of Florida Certified Firefighters, and State of Florida Certified Fire Inspectors. For certification or recertification refer to Florida State Statute 633.

F-103.7.2 If certification is not renewed and allowed to lapse, application for recertification shall be accompanied with proof that (15) contact hours per year, in the preceding 4 years in continuing education has been met. Attendance at the BORA meetings and/or the BORA committee meetings shall be counted as one (1) hour for a maximum of fifteen (15) county required contact hours within a four (4) year renewal period.

If the certification is not renewed within 8 years. the individual must retake the state fire safety inspectors training and take the local fire exam and shall be on a form containing such pertinent information as is considered relevant to BORA. Individuals being considered for recertification will be required to complete an affidavit of compliance with 71-575 (see Board policy 14-02)

F-103.7.3 Recertification Fee: If applicable, each application shall be accompanied by a check in the amount appropriate for each discipline according to the BORA Fee Schedule for Recertification, payable to "Broward County Commissioners."

SECTION F-104

Broward County Board of Rules and Appeals

F-104 Broward County Board of Rules and Appeals.

F-104.1 The Broward County Board of Rules and Appeals shall maintain a staff position to coordinate the enforcement of the Fire Protection Provisions of this Code, the FFPC, and all

Fire Codes thereto. This person shall be known as the Chief Fire Prevention Code Compliance Officer and shall be certified as Fire Marshal/Fire Code Official. It is recommended that the individual under consideration for Fire Code Compliance Officer have at a minimum four years documented as a Fire Code Official / Fire Marshal.

F104.2 The Fire Code Compliance Officer shall have the authority to make inspections in the discipline and shall be responsible to see that the Fire Protection Provisions of this Code, the FFPC, and all Fire Codes are being uniformly enforced by all AHJs (building and Fire Service Provider/Fire Department in Broward County).

SECTION F-105

Broward County Fire Code Committee

F-105 Broward County Fire Code Committee:

F-105.1 In order to determine the suitability of alternate materials and type of construction, to provide for reasonable interpretations of the Fire Protection Provisions of this Code, the FFPC, and all Fire Codes, and to assist in the control of the life/safety in buildings and structures, there is hereby created a Broward County Fire Code Committee, to make recommendations to BORA.

F-105.2 Membership: The BCFCC shall consist of:

1. One Mechanical Engineer, Florida P.E.
2. One Architect, Florida Registered
3. One Fire Sprinkler Contractor
4. One Representative of Persons with disabilities
5. One Master Electrician
6. Four Fire Service (Florida Certified Fire Inspectors)
7. One Fire Service Member of the Board of Rules and Appeals
8. One Contractor, Certified to Install Fire Alarms
9. One General Contractor
10. One Florida P.E., Electrical Discipline
11. One Mechanical Contractor
12. One Consumer Advocate
- 13 One Florida P.E., Structural Discipline,
- 14 One Chief Plumbing Inspector

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F-105.3 Membership, such as membership of the BCFCC, will be for one year (with members being able to succeed themselves through reappointment by BORA Chairperson). The Chairperson of BORA will select all members, including the Chairperson of the BCFCC. The Chairperson of the BCFCC shall be a Fire Service member of BORA.

F-105.4 Appeals from the Decisions of the Fire Chief and/or Building Official:

F-105.4.1 The BCFCC shall review all appeals from the decisions of the Fire Chief and/or Building Official wherein such decision is on matters regulated by the Fire Protection Provisions of this Code, the FFPC, and all Fire Codes. Appeals can be submitted by any person who has reason to believe they have been subjected to unreasonable enforcement of the Fire Protection Provisions of this Code, the FFPC, and all Fire Codes.

F-105.4.2 Procedures for Appeals: The BCFCC shall review the appeal prior to hearing by BORA and shall make recommendations to BORA for resolution of the appeal. BORA shall then hear the appeal and make a final ruling.

F-105.4.3 Decisions by the BOARD related to an appeal of the FFPC can be challenged by submitting a request for a Declaratory Statement to the State Fire Marshal's Office.

F-105.5 Procedures in County Court /Code Enforcement Board:

When charges are filed based upon a violation under this code, such charges, prepared under the direction of the city, state, or county attorney and shall be heard by a county judge or Code Enforcement Board, within the time prescribed under county court procedures or Code Enforcement Board. Such conditions shall constitute an immediate danger to life.

SECTION F-106

Authority Fire Chief, Fire Marshal/Fire Code Official, or his/her duly authorized representative

F-106 Authority:

F-106.1 The Fire Chief, Fire Marshal/Fire Code Official, or their duly authorized representative shall investigate the origin, cause, and circumstances of every fire occurring within their AHJ. Such investigation shall begin immediately upon the occurrence of a fire, and the Fire Chief, Fire Marshal/Fire Code Official, or their duly authorized representative shall be immediately notified of the facts. The Fire Chief, Fire Marshal/Fire Code Official, or their duly authorized representative shall take charge immediately of the physical evidence and shall notify the proper authorities designated by law to pursue the investigation of such matters. The Fire Chief, Fire Marshal/Fire Code Official, or their duly authorized representative shall further cooperate with the

authorities in the collection of evidence and in the prosecution of the case.

F-106.2 Notices and Orders. The Fire Chief, Fire Marshal/Fire Code Official or Fire Code Manager/Administrator, or their duly authorized representative shall issue all necessary notices or orders to ensure compliance with the Fire Protection Provisions of this Code, the FFPC, and all Fire Codes.

F-106.2.1 A building, structure, occupancy, premises, or vehicle shall not be used when in violation of the Fire Protection Provisions of this Code, the FFPC, and all Fire Codes.

F-106.2.2 Unlawful Continuance of Fire/Life Safety Hazard: Any person or persons operating or maintaining any occupancy, premises or vehicle subject to this Code who shall permit any fire and/or life safety hazard to exist on premises or property under their control, and who shall fail to take immediate action to abate such hazards, when ordered or notified to do so by the Fire Chief, Fire Marshal/Fire Code Official, or their duly authorized representative, shall be guilty of a second degree misdemeanor. Criminal enforcement of the Fire Protection Provisions of this Code, the FFPC, and all Fire Codes shall remain with local law enforcement departments and officials charged with enforcement of the criminal laws of the State.

F-106.2.3 Concealed Work: The Building Official or his/her duly authorized representative and/or Fire Marshal/Fire Code Official or their duly authorized representative may order portions of the structure frame of a building and/or structure to be exposed for inspection when, in his/her opinion, there is a good reason to believe that a building or portion thereof is in an unsafe or dangerous condition or that there is willful or negligent concealment of a violation of this Code, the Fire Protection Provisions of this Code, the FFPC, and all Fire Codes.

F-106.3 Removal or Destruction of Signs or Tags:

F-106.3.1 It shall be unlawful to remove or tamper with any seal, warning tag, or lock placed on an article, appliance, vehicle, meter, tank, or building by the building department or the Fire Service Provider/Fire Department, without first obtaining permission to do so by the AHJ

F-106.3.2 It shall be unlawful for any person to tamper with or change the position of any utility valve, switch, wiring, piping, meter, or connection, or alter any utility service in any way, unless properly authorized to do so.

SECTION F-107 Standby Fire Watch

F-107 Standby Fire Watch:

F-107.1 Whenever in the opinion of the Fire Chief, Fire Marshal/Fire Code Official, or their duly authorized

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representative, when a potentially hazardous condition or a reduction in life safety features, due to the number of persons, or the nature of the performance, exhibition, display, contest or activity, the Fire Chief or their duly authorized representative may require the owner, agent or lessee to employ one or more certified Fire Inspectors or Firefighters, as required and approved by the Fire Chief, to be on duty at such place. Said Fire Inspectors/Firefighters shall be subject to the Fire Chief's and/or their duly authorized representative orders at all times, when so employed, and remain on duty during the times such places are open to the public, or when such activity is being conducted. The Fire Chief may allow the use of other trained individuals to serve as an alternative to a Fire inspector / Fire Fighters requirement. Before each performance or the start of such activity, said Fire Inspector/Firefighter or others allowed by the Fire Chief shall inspect all required fire/life safety equipment, to insure that such equipment is in proper working order, and shall keep diligent watch for any emergency that should arise. Should any emergency arise, the Fire Inspector/Firefighter or others allowed by the Fire Chief shall take whatever action necessary to protect the occupants and public from injury or any life-threatening condition.

SECTION F-108

Tents, Membrane Structures, Temporary Structures and Uses

F-108 Tents and Membrane Structures

F-108.1 For the purpose of this Section, a place of assembly shall include any circus, sideshow, carnival, tent show, theater, skating rink, dance hall or any other exhibition, production, engagement or offering, or other place of assembly in or under which 50 or more persons may gather for any purpose.

F-108.1.1 General. The Building Official or Fire Code Official is authorized to issue a permit for the erection of temporary structures such as seats, canopies, tents and fences used in construction work or for temporary purposes such as reviewing stands. Such permits shall be limited as to time of service, but shall not be permitted for more than 180 days. Such structures shall be completely removed upon the expiration of permit.

- a) Temporary structures, such as tents with sides, exceeding 100 sq./ft., and canopies without sides exceeding 225 sq./ft., containing occupancy or operations that could present a life safety hazard to occupants and/or the general public based on the opinion of the Fire Code Official, shall be required to have a permit issued in conformance with permitting section of Chapter 1 and this code and be in conformance with the Life Safety provisions of this code and the Florida Building Code.

F-108.1.2 Reserved

F-108.1.3 Conformance.

Temporary structures and uses shall conform to the structural strength, fire safety, means of egress, accessibility, light, ventilation and sanitary requirements of this Code and the FFPC as necessary to ensure public health, safety and general welfare.

F-108.2 Parking of Vehicles: Automotive equipment that is not necessary to the operation of the tent show performance shall not be parked within 20 feet of the tent or membrane structure. No other automotive equipment or internal combustion engines shall be located within 50 feet of the tent except upon a public street.

F-108.3 Smoking and Open Flame:

F-108.3.2 An approved receptacle for the disposal of lighted smoking materials shall be provided at all entrances to tents and membrane structures.

F-108.4 Fire Extinguishers and other Fire-Protection Equipment: Fire extinguishers and other fire protection equipment shall be provided in every tent or membrane structure as follows:

F-108.4.1 A minimum of one 4A-10B:C type extinguisher shall be provided in every tent or air supported structure having a floor area less than 2,000 square feet and also one in each additional 2,000 square feet or fraction thereof.

F-108.4.2 At least one 40-B:C type fire extinguisher shall be provided for each power generator or transformer and at locations where flammable or combustible liquids are used, stored or dispensed.

F-108.5 Storage of Flammable or Combustible Liquids:

Flammable or combustible liquid shall not be stored in a tent or membrane structure nor less than 50 feet from any tent or membrane structure used for public assembly.

F-108.6 Housekeeping: Hay, straw, trash and other flammable material shall not be stored less than 35 feet from any tent or membrane structure, except as authorized by the authority having jurisdiction.

F-108.7 Seating Arrangements:

F-108.7.1 Bonding of chairs. All loose seats, folding chairs or similar seating facilities that are not fixed to the floor shall be bonded together in groups of not less than six. Exceptions:

- (1) When not more than 500 such seats, chairs or facilities are

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provided, bonding thereof may be deleted.

(2) The bonding of chairs shall not be required when tables are provided, as when the occupancy is used for dining or similar purposes.

F-108.7.2 Securing of chairs, folding and telescoping seat seating, reviewing stands, grandstands, and bleachers shall be in accordance with NFPA 102.

F-108.8 Awnings, Tents and Canopies:

F-108.8.1 Awnings, tents, canopies, and similar products whether attached or detached from a building shall have a flame spread rating of 25 or less.

F-108.9 Vehicular Access:

F-108.9.1 Fire access roads shall be surfaced with solid pavement, grass turf reinforced by concrete grids, or by similar type surfaces approved by the authority having jurisdiction, designed to accommodate fire apparatus weighing a minimum of 32 tons.

F-108.9.2 Buildings having ramps and/or elevated roadways shall have posted weight limit signs showing maximum load capacity.

F-108.10 Vehicles on Display:

F-108.10.1 When vehicles are on display inside any occupancy group other than an automobile show room it shall comply with the provisions listed in NFPA 1, 20.1.5.5.4.12

SECTION F-109 RESERVED

SECTION F-110 Reserved

SECTION F-111

Test Criteria for Mechanical Smoke Control Systems

F-111 Initial Acceptance Test Criteria and Periodic Testing of Mechanical Smoke Control Systems:

Test Criteria for Mechanical Smoke Control Systems shall be stated on the mechanical plans.

F-111.1 The following shall receive notice from the Mechanical Contractor so that they may witness the system's performance test:

F-111.1.1 Fire Service AHJ.

F-111.1.2 Building Department (Mechanical) AHJ. .

F-111.1.3 Periodic Testing:

All smoke control systems shall be retested as per the provisions found in the FFPC by a firm (test and balance) possessing a certificate of competency as a test and balance contractor for smoke control systems as required in Broward County Ordinances, Chapter 9 and Broward Local Administrative Provisions Chapter 1 of the FBC and shall be approved by the local AHJ. The smoke control system shall be retested without smoke, in both the manual and automatic modes per the sequence of operation. The annual periodic testing and balancing results shall be provided in a certified test and balance report to the Fire Service Provider/Fire Department AHJ, who shall consult with the Chief Mechanical Inspector

At a minimum the annual periodic test report shall contain the following information;

- 1) All smoke control system air movement equipment and if operating as intended.
- 2) Retest voltage.
- 3) Retest amperage.
- 4) Retest RPM if applicable.
- 5) All smoke control system control dampers shall be identified and if operating as intended.
- 6) All smoke zone differential pressures at egress exit doors (egress doors shall have no more than 30 lbf on break and 15 lbf on swing.

SECTION F-112

Automatic Sprinklers Required

F-112 Automatic Sprinklers Required:

F-112.1 Fire flow testing of a water supply for an Automatic Fire Protection Systems (AFPS) and/or Standpipe System using water as an extinguishing agent for new and existing buildings and structures shall be in accordance with NFPA 291, Recommended Practice for Fire Flow Testing and Marking of Hydrants, Florida Administrative Code (FAC) 69A-60.

F-112.2 The following occupancies shall be protected throughout by an approved automatic sprinkler system installed in accordance with NFPA 13.

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F-112.2.1 Storage.

In existing storage occupancies (other than parking garages and high-piled combustible storage) used for the storage of combustible goods or merchandise and exceeding 20,000 square feet per floor.

F-112.2.4 Industrial Occupancies:

All existing industrial occupancies exceeding 15,000 square feet per floor.

F-112.3 Reserved

F-112.4 Where automatic fire sprinkler systems are installed, the location of the Fire Service Provider/Fire Department connection shall be approved by the Fire Service Provider/Fire Department having jurisdiction.

F-112.5 Limited Access Structures

F-112.5.1 Where automatic fire sprinklers are installed in new Mini Storage Buildings, fire department emergency access openings acceptable to the AHJ shall also be provided. The emergency access openings shall not be less than the dimensions referenced in the Life Safety Code for Underground and Limited Access Structures.

SECTION F-113 Corridors

F-113 Corridors.

Where exterior corridors or exterior balconies serving as a required means of egress are enclosed on both sides and above, and the length of the enclosure along the long axis is twenty-five (25) feet or more, fire-resistivity of walls and the protection of openings therein shall be required as if such corridors or balconies were enclosed interior corridors.

SECTION F-114 Reserved

SECTION F-115 RESERVED

SECTION F-116

Flammable and Combustible Liquids

F-116 Flammable and Combustible Liquids.

F-116.1 Underground Storage and Dispensing of Flammable/Combustible Liquids:

Underground tanks used to store flammable liquids shall bear an Underwriters' label or equivalent testing agency. Tank capacity for underground installations shall be limited to thirty thousand (30,000) gallons or less. Any tank to be installed shall be jointly approved in writing by the Fire Chief, Building Official, the director of zoning, and/or their duly authorized representative, after an appropriate review has been

conducted. Such review includes, but is not limited to, an analysis of the proposed installation, location, distance separations, types of occupancies in the vicinity, tank corrosion protection and construction, and applicable zoning restrictions. The maximum storage capacity in any one location shall not exceed an aggregate total of one hundred thousand (100,000) gallons unless approved by the local Fire Code Official. Any property or facility requesting installation of tanks exceeding an aggregate capacity of sixty thousand (60,000) gallons of flammable liquids shall comply with the following additional requirements:

- 1) The property must be of suitable size, shape and topography to allow for the safe installation of the proposed tanks and be in compliance with location requirements identified in other sections of the NFPA, state and local fire codes; and
- 2) The facility must have an attendant on site during hours of operation; and
- 3) The facility must be continuously monitored, either by an on-site attendant or a third party when the facility is not in operation; and
- 4) The operator must provide evidence of an employee training program for on-site attendants that educates concerning all on-site equipment, including life safety equipment and emergency response procedures; and
- 5) The facility must provide additional emergency shut-off stations for ready accessibility by on-site attendants and the public; and
- 6) Station operator shall submit an emergency response plan for review and approval prior to issuance of permits for operations of the facility. The emergency response plan shall, at a minimum, provide emergency contact information and notification requirements, fire prevention and control equipment employed at the site, monitoring requirements and plans and procedures for mitigating release of hazardous materials, as well as all other information required by applicable governing and permitting agencies.

When flammable liquids are stored in more than one location, tanks shall not be interconnected between locations.

Exception: Broward County Office of Transportation's Transit Operations and municipal, county and special districts having underground bulk fuel storage facilities shall comply with the provisions of NFPA 30. Aggregate Limitations of Flammable and Combustible Liquids as per the F- 116.1 shall not apply. Permit shall be reviewed for compliance by the local Fire Service Provider/Fire Department having Jurisdiction.

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F-116.1.1 Underground tanks out of service for a period of one year shall be removed. Underground tanks may be abandoned in place only if approved by the Fire Service Provider/Fire Department having jurisdiction.

F-116.2 Storage and Use on Site of Combustible Liquids Used for Fixed Equipment Shall Be Under the Following Requirements:

F-116.2.1 Aboveground installation of single-wall tanks shall comply with NFPA 30 and the following additional requirements:

F-116.2.1.1 Above ground tanks having a capacity in gallons greater than 10,000 shall be approved by zoning and local AHJ.

Exception: Municipal, County and Special Districts installing aboveground fuel storage tanks for fixed equipment for providing governmental services. Permit shall be reviewed for compliance by the local Fire Service Provider/Fire Department AHJ .

F-116.2.1.2 Tanks shall be surrounded with an embankment or impervious dike not less than four feet high and capable of holding not less than one and one half times the capacity of the tank surrounded. Embankments or dikes shall be continuous, with no opening for piping or roadways.

F-116.2.2 All aboveground storage tanks shall be identified by a suitable sign which will state type of fuel and capacity of the tank.

F-116.2.3 Tanks used for stationary combustion engines and gas turbines shall comply with NFPA 37, as adopted in FAC 69A-60, Standard for the

Installation and Use of Stationary Combustion Engines and Gas Turbines.

F-116.2.4 Distance separation between aboveground storage tanks and property lines and buildings shall be as specified in Table F-116.2.4 below:

Table F-116.2.4

Capacity in Gallons	To line of adjoining unprotected building or property which may be built upon	To line of adjoining protected buildings	To line of existing frame buildings
1,000	12 feet	8 feet	20 feet
2,000	20 feet	15 feet	40 feet
3,000	20 feet	15 feet	40 feet
10,000	30 feet	20 feet	50 feet

F-116.3 Aboveground Storage for Dispensing of Flammable and Combustible Liquids from UL listed 142 (double wall), 2085 or Equivalent Tanks:

F-116.3.1 Aboveground storage of flammable and combustible liquids shall be approved by the Fire Chief, Building Official, and/or their duly authorized representative after an appropriate review has been conducted. Such review includes, but is not limited to, an analysis of the proposed installation, location, distance separations, types of occupancies in the vicinity, tank corrosion protection and construction, and applicable zoning restrictions. The maximum storage capacity in any one location shall not exceed an aggregate total of 12,000 gallons. Aboveground storage of flammable and combustible liquids shall comply with the following regulations:

Exception: Municipal, county and special districts having aboveground fuel storage facilities shall comply with the provisions of NFPA 30. Aggregate Limitations of Flammable and Combustible Liquids as per F116.3.1 shall not apply. Permit shall be reviewed for compliance by the local Fire Service Provider/Fire Department AHJ .

F-116.3.1.1 The provisions in this Section shall not supersede any zoning standard that might regulate or eliminate the use of aboveground storage tanks.

F-116.3.1.2 Aboveground Tanks containing flammable and combustible liquids shall be in approved fire resistive tank enclosure assemblies.

F-116.3.1.2.1 A fire resistive tank enclosure assembly storing flammable liquids shall consist of a tank bearing an Underwriters' label 142, 2085 or an equivalent testing criteria by an approved testing agency. A single tank or combination of tanks shall not exceed 12,000 gallons at one site.

F-116.3.1.3 The tank assembly shall be installed upon a minimum four-inch (4") slab, meeting requirements of the manufacturer's specifications. Each tank assembly shall be anchored to withstand uplifting by flooding or storm surges, including when the tank is empty.

F-116.3.1.4 Area around tank assembly shall be maintained free of combustible waste, debris and all types of storage. Any tank assembly exposed to vehicular traffic shall have collision barrier posts installed on all corners and sides so exposed and shall not be spaced more than four feet (4') apart, center to center. Fire Marshal/Fire Code Official, or their duly authorized representative, may require the installation of collision barrier posts, even if the clearance guidelines can be achieved.

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F-116.3.1.5 Dispensing devices are allowed to be installed on top of the tank enclosure assembly. Any such device dispensing Class 1 liquids shall have installed on the fill hose, a UL listed emergency breakaway device designed not to lose liquid from either side of the breakaway point. All product piping attached to the tank enclosure assembly shall be double walled, contain a shear valve or equivalent, and shall be installed by an authorized pollutant storage system specialty contractor. External piping leading away from the tank shall have a valve located within six inches (6") to the shell of the tank. Approved antisiphon devices shall be installed at each connection of piping to a tank when such piping extends below the level of the top of such tanks both internally and externally. All underground pipe work shall be uncovered until inspected by building and Fire Service Provider/Fire Departments, and other regulatory agencies.

Exception: Factory installed piping does not have to be installed by an authorized pollutant storage system specialty contractor.

F-116.3.1.6 Aboveground tank assemblies temporarily out-of-service for a period not exceeding ninety (90) days shall immediately have the fill, gauge openings and pump suction capped and secured against tampering. The vent lines shall be left open. Aboveground tank assemblies out-of-service for a period exceeding ninety (90) days, shall be removed. The property owner or agent shall notify the Fire Service Provider/Fire Department of any tanks out-of-service greater than 90 days.

F-116.4 Only Labeled and Listed Pumps Shall Be Used; Gravity Flow Pumps Are Prohibited. Fuel shall be drawn from aboveground storage tanks by pumps bearing the label of an Approved Testing Laboratory, such as Underwriters Laboratories, Inc. The use of pressure systems or gravity flow type pump systems is prohibited.

SECTION F-117 Dispensing Areas

F-117.1 Dispensing areas shall be provided with a vehicular driveway constructed of reinforced concrete. It shall be sloped to allow any accidental discharge from the dispensing of fluid to flow away from the dispenser or any building, and shall be subject to the approval of the Fire Marshal/Fire Code Official, or their duly authorized representative. This driveway shall be a minimum of twelve feet (12') wide and twenty feet (20') long, minimum. In every case, this driveway shall be large enough that the fuel hose, when fully extended, does not reach the far edge of the driveway.

F-117.2 A fire extinguisher with a minimum classification 4A-60BC shall be provided and so located that it will be not more than one hundred feet (100') from any pump, dispenser, or fill-pipe opening.

SECTION F-118 Flammable Liquid Storage at Port Everglades and the Fort Lauderdale-Hollywood International Airport

F-118.1 Aboveground storage of flammable liquids shall be permitted at Port Everglades and the Fort Lauderdale-Hollywood International Airport ("Airport"). All tank locations at the Airport shall be approved by the Broward County Fire Marshal/Fire Code Official, or their duly authorized representative, prior to the issuance of a permit to erect or install a tank.

F-118.2 All flammable liquid storage tanks at Port Everglades shall be constructed, installed and maintained in accordance with the Port Everglades Tariff Number 12 amendments thereto and reissues thereof.

SECTION F-119 Liquefied Petroleum Gases

F-119.1 Scope. This Section shall apply to the storage, handling and transportation of liquefied petroleum gas and the installation of all equipment pertinent to systems for such uses in addition to the requirements stated in NFPA-58, Storage and Handling of Liquefied Petroleum Gases.

F-119.2 Definition. Distributing Plant: A facility, the primary purpose of which is the distribution of gas, and which receives LP-Gas in tank car, truck transport or truck lots, distributing this gas to the end use user by portable container (packaged) delivery, by tank truck or through gas piping. Such plants have bulk storage (2,000 gallons water capacity or more) and usually have container filing and truck loading facilities on the premises. Bulk plants are considered as being in this category. Normally no person other than plant management or plant employees shall have access to these facilities. Additionally, definitions contained in NFPA 58 shall apply.

F-119.4 Location of Containers and Limits:

F-119.4.1 All new liquefied petroleum gas storage installation and handling shall be in accordance with NFPA-58, the laws of the State of Florida, and all applicable rules, regulations, and ordinances of the AHJs.

F-119.4.2 Within the limits established by law restricting the storage of liquefied petroleum gas for the protection of heavily populated or congested commercial areas, the aggregate capacity of any one installation shall not exceed 2,000 gallons

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water capacity, except that in particular installations this capacity limit may be altered by the approval of the Fire AHJ after consideration of special features such as topographical conditions, nature of occupancy and proximity to buildings, capacity of proposed tanks, degree of private fire protection to be provided and facilities of the local Fire Department. The storage of liquefied petroleum gas shall conform to the provisions of the local zoning ordinance.

F-119.4.3 Where a distributing point is allowed, there shall be in attendance a qualified person to make the transfer of liquefied petroleum gas. This person shall have been trained by a licensed gas company and be in possession of documents certifying such training. The owner of the distributing point shall be licensed by Florida Department of Agriculture and Consumer Services – Divisions of Consumer Services.

F-119.4.4 All plans for installations at distributing points shall be submitted to the AHJs for permits and approval. In addition, plans for locations at distributing points for fixed (stationary) installations of

- 1) 2,000 gallons individual water capacity, or
- 2) with the aggregate water capacity exceeding 4,000 gallons, or
- 3) Any installation, regardless of size, which will be used for resale to the public, shall be submitted to the Florida Department of Agriculture and Consumer Services – Divisions of Consumer Services for approval and proper licensing, and be approved before the installation is started. Other safety precautions shall be adhered to as designated by the Fire Code Official/Fire Marshal, or their duly authorized representative.

F-119.4.5 An LP Gas storage tank shall not be installed on the same island used for gasoline or diesel fuel dispensing. A minimum distance of 25 feet shall be maintained between the LP gas storage tank and the flammable liquid dispensing devices.

F-119.4.6 A distributing plant, as defined in F-119.2 shall be prohibited unless approved by the Fire Code Official/Fire Marshal or their duly authorized representative, of the jurisdiction.

F-119.4.7 Multiple container installations with a total storage water capacity of more than 180,000 gallons (150,000 gallons LP-gas capacity) shall be subdivided into groups containing not more than 180,000 gallons in each group. Such groups shall be separated by a distance of not less than 50 feet, unless the tanks are:

- 1) buried or mounted in an approved manner, or

- 2) protected with approved insulation on such areas that may be subject to impingement of ignited gas from pipelines or other leakage, or

- 3) protected by fire-walls of approved construction, or

- 4) protected by an approved system for application of water, or

- 5) protected by other approved means, where one of these forms of protection is provided, the separation shall not be less than 25 feet between such container groups.

F-119.4.8 The storage and transportation of liquefied petroleum gas and the installation of all pertinent equipment shall be installed and maintained in accordance with NFPA-58, and subject to the approval of the Fire Chief, or their duly authorized representative,. These orders shall apply to all persons and places within the jurisdiction except as herein provided.

F-119.5 Parking and Garaging: Vehicles containing cylinders of liquefied petroleum gases 20 lbs or greater in size are prohibited in public parking garages, this includes LP gas delivery vehicles. Vehicles that are powered by LP gas and meet NFPA 54 for fuel systems are permitted.

F-119.6 Prohibited Use of Liquefied Petroleum Gas:

F-119.6.1 Liquefied petroleum gas shall not be used for the purpose of operating any device or equipment unless such equipment or device is approved for use with a liquefied petroleum gas.

F-119.6.2 Liquefied petroleum gas shall not be released to the atmosphere except through an approved liquid level gauge or other approved device.

F-119.7 Dispensing and Overfilling.

F-119.7.1 The dispensing of liquefied petroleum gases shall be performed by a qualified attendant.

(a) It shall be illegal for any person, firm, corporation, association, club or organization to operate a self-service liquefied petroleum gas dispensing operation which is open to the public.

F-119.7.2 A person shall not fill or maintain a liquefied petroleum gas container with liquefied petroleum gas in excess of the fixed outage gauge installed by the manufacturer or the weight stamped on the tank.

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F-119.8 Safety Devices.

F-119.8.1 A person shall not tamper with or make ineffective the safety devices of any liquefied petroleum gas container.

F-119.9 Abandonment of Liquefied Petroleum Gas Equipment:

F-119.9.1 At the discretion of the Authority Having Jurisdiction, whenever the use of liquefied petroleum gas equipment has been discontinued, it may be abandoned in an approved manner within a period of 30 days. However, after 90 days, F-119.9.4 applies.

F-119.9.2 The following procedures may be used when approved by the Fire Chief or their duly authorized representative.

F-119.9.2.1 Removal of all liquefied petroleum equipment.

F-119.9.2.2 Burn-off content of container.

F-119.9.3 All service openings shall be capped or plugged after contents have been removed from container.

F-119.9.4 All LP tanks, abandoned or out of service in excess of ninety (90) days, shall be removed and properly disposed of.

F-119.9.5 Combustible Gas Detection; In all facilities where combustible gases are piped to an appliance, a combustible gas detection system with an external notification device shall be installed in accordance with NFPA 72. The external notification device shall provide audio and visual notification and have a sign not less than 14" x 14" stating "combustible gas detected, call 911".

F-119.10 Hydrogen Fuel for Emergency Power Systems.

Hydrogen stationary fuel cell power systems shall be installed in accordance with NFPA 853 of the current edition. Storage shall be in compliance with NFPA 55 (Storage, Use and Handling of Compressed Gases Cryogenic Fluids in Portable or Stationary Containers, Cylinders and Tanks) for installation.

SECTION F-120

Fireworks and Sparkler/Novelty Items

F-120.1 General Requirements.

F-120.1.1 The manufacturing of fireworks, sparklers and pyrotechnic materials is prohibited.

F-120.1.2 The storage of fireworks and pyrotechnic materials is prohibited except as permitted in NFPA 1, Section 65.

F-120.1.3 Except as hereafter provided, it shall be unlawful for any person, firm, co-partnership or corporation to store, to offer for sale, expose to store, expose for sale, sell at retail, or use or explode any fireworks and/or pyrotechnic materials.

F-120.1.3.1 Consumer fireworks can be utilized as per FS 791 on specified holidays.

F-120.1.4 Approved sparklers per F. S. 791.013 and any wholesaler registered in accordance with Florida Statute 791.015 as of July 1, 1996, who has obtained all applicable governmental licenses and permits to operate from a permanent structure within Broward County as of July 1, 1996, are exempt from this subsection.

F-120.1.5 Wholesale exemption sales of fireworks pursuant to F.S.791.04 shall be prohibited at temporary or seasonal sales sites, and sales sites located in tents, canopies and stands.

F-120.1.6 Permit Requirements and Operator Qualifications.

F-120.1.6.1. Application for permit to operate a display of fireworks or use of pyrotechnics before a proximate audience shall be made in writing on forms provided by the Authority Having Jurisdiction to the Fire Chief, or their duly authorized representative, at least 15 days in advance of the date of the display. Except as specifically modified within this Code, outdoor display of fireworks shall be as specified in NFPA 1123. See Section F 120.2 for additional requirements for Outdoor Display of Fireworks on Private Residential Property. See Section F- 120.3 for additional requirements for Offshore and Barge Fireworks Displays. Except as specifically modified within provisions of the Fire Protection Provisions of this Code, the FFPC, and all Fire Codes, use of pyrotechnics before a proximate audience shall be as specified in NFPA 1126.

F-120.1.6.1.1 Before any permit for a pyrotechnic display shall be issued, the person or organization making application shall furnish proof of financial responsibility to satisfy claims for damages to property or personal injuries arising out of any act or omission on the part of such person or any agent or employee thereof, in such amount, character, and form as the Fire Chief, or his/her duly authorized representative, determines to be necessary for the protection of the public.

F-120.1.6.1.1.1 A copy of the certificate of insurance naming the permitting agency as additional insured is required.

F-120.1.6.1.1.2 Minimum required amount of certificates of insurance for permit issuance is as follows: \$1,000,000 for

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bodily injury, and \$50,000 for property damage, per occurrence.

F-120.1.6.2 Permit application shall be set forth and contain the following:

F-120.1.6.2.1 The name, address and telephone number of the organization sponsoring the display, the supplier of the fireworks, the operator (pyrotechnician) and all assistants.

F-120.1.6.2.2 Application shall be signed by the sponsoring organization representative, and the operator (pyrotechnician) and approved by Fire Chief or his/her designee.

F-120.1.6.2.3 References for the most recent three firework displays supervised and discharged by the designated operator shall be required for review by the AHJ. Said referenced displays shall be similar in size and complexity and will provide contact persons and telephone numbers.

F-120.1.6.2.4 The date and time of day at which the display is to be held and the duration time for said display. Permits shall not be issued for displays between the hours of 11:00 pm and 7:30 am.

F-120.1.6.2.4.1 Time restrictions stated above may not be applicable on January 1, July 4, and December 31, or any other date where specific permission to operate a display of fireworks is granted by the AHJ.

F-120.1.6.2.5 The exact location address for the display, event or production.

F-120.1.6.2.6 A copy of a location site plan with dimensions indicating the exact location planned for the display site and all grounds and facilities at which the event will be held. This plan shall include the location of all structures, audience viewing areas, roads, trees and utilities.

F-120.1.6.2.7 Operator and assistant qualifications shall comply with the provisions of NFPA 1123 and NFPA 1126.

F-120.1.6.2.7.1 The operator shall be responsible for ensuring that a sufficient number of assistants are available on site for the safe storage and conduct of the fireworks display.

F-120.1.6.2.7.2 Operators shall be at least 21 years of age and all assistants shall be at least 18 years of age. A copy of a valid driver's license or other valid picture I.D. acceptable to the AHJ shall be provided for all operators and assistants.

F-120.1.6.2.8 The type and number of fireworks to be discharged.

F-120.1.6.2.8.1 Aerial displays: Size and number of each type of burst (single, multiple, etc.)

F-120.1.6.2.8.1.1 All aerial shells, regardless of size, shall be fired using approved electrical ignition unless alternate method of ignition is approval by the AHJ.

F-120.1.6.2.8.1.2 All electrically fired displays shall provide a solid barrier located at least 100 feet from the mortar location from which all operators (pyrotechnicians) shall control the display with the exception of displays on barges.

F-120.1.6.2.8.2 Fixed displays. Size, type and description of displays.

F-120.1.6.2.8.3 The manner and place of storage of fireworks prior to display. The date, time and travel route from the point the fireworks enter Broward County.

F-120.1.6.2.9 Standby Firewatch Requirements.

F-120.1.6.2.9.1 The Fire Chief, or his/her duly authorized representative, shall require one or more standby firewatch personnel employed by the Fire Service Provider/Fire Department, to be on-duty for each display or performance. When deemed necessary the Fire Chief, or their duly authorized representative, additional fire rescue apparatus may be required for the display or performance. The expense of such personnel services and apparatus shall be borne by the permit holder and shall be paid prior to issuance of the permit.

F-120.1.6.2.9.2 The standby firewatch personnel shall be on duty from the time of display set up, during the display, and until termination of the display and removal of all fireworks, debris, pyrotechnical materials and devices from the site.

F-120.1.6.2.9.3 In the case of indoor displays or performances, standby firewatch personnel shall be maintained until total restoration of normal function of the fire safety systems has been verified.

F-120.1.6.2.9.4 At a minimum, at least one of the assigned standby firewatch personnel shall be a BORA Certified Fire Inspector.

F-120.2 Additional Requirements for Outdoor Display of Fireworks on Private Residential Property:

F-120.2.1 Written approval from the property owners located adjacent the proposed display site property is required prior to approval of a permit for outdoor fireworks display.

F-120.2.2 The display site shall have at least a 100 foot per inch radius of internal mortar diameter of the largest shell to be fired.

F-120.2.3 Minimum distance separation shall be no less than 300 feet from the nearest dwelling, building, or structure. This

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includes canopies, chickee huts, or similar structures, bulk storage areas, public highways, railroads or other means of travel.

F-120.2.4 Not within 1,000 feet of a school, theater, church, hospital, nursing home, assisted living facility, livestock/animal storage site, or similar structures or institutions.

F-120.2.5 No less than 50 foot radius from the nearest aboveground utility, telephone or telegraph line, tree, or other overhead obstruction.

F-120.2.6 The audience shall be restricted behind an approved barrier, location no less than 200 feet from the outside of the required display site distance separations.

F-120.2.7 Reserved

F-120.3 Offshore and Barge Fireworks Displays.

F-120.3.1 Firework displays shall only be permitted on approved barges. Barge means a non-self-propelled vessel and shall meet the requirements of NFPA 1123 for construction and sizing requirements of the discharge site.

F-120.3.2 A valid copy of a current U.S. Coast Guard permit of operation shall be provided for each barge display, if required by the U.S. Coast Guard.

F-120.3.3 At least two chase boats shall be provided to maintain a clear separation distance of at least 1,000 feet radius around the barge from other vessels, structures and the beach. Chase boats shall also provide transportation of fire rescue personnel when required.

F-120.3.4 Two-way compatible communication shall be provided for use by fire rescue and law enforcement personnel, chase boats and barge crew.

F-120.3.5 Ladder access shall be provided to allow immediate access for inspection and emergency response.

F-120.3.5.1 Stabilization shall be provided to secure the barge and prevent rotation from wind, water current and firing angle.

F-120.3.5.2 Inspection of the barge by the Fire Service Provider/Fire Department shall occur at least one to two hours prior to the scheduled departure for sea.

F-120.4 Safety Precautions for Outdoor fireworks.

F-120.4.1 If in the opinion of the Fire Chief, or his/her duly authorized representative, any unsafe or hazardous condition exists, the fireworks display shall be postponed until such time as said conditions are corrected.

F-120.4.2 If high winds, precipitation or other adverse weather conditions prevail, such that in the opinion of the Fire Chief, or his/her duly authorized representative, a significant hazard exists, the fireworks display shall be postponed until weather conditions improve to an acceptable level to allow discharge.

F-120.4.2.1 No discharge of a fireworks display shall be permitted to take place when the wind velocity is 17 knots (20 mph) or greater.

F-120.4.3 Immediately upon delivery to the display site, all fireworks shall be properly secured and shall not be left unattended at any time. When deemed necessary, the Fire Chief, or their duly authorized representative, may require the operator or employ special security measures to ensure the proper security of the stored fireworks.

F-120.4.4 A minimum of two, two and one-half gallon pressurized water fire extinguishers shall be available in the discharge area. Additional extinguishers or equipment may be required if conditions warrant. In addition, adequate water supply for fire protection shall be available at the discharge site.

F-120.5 Requirements for the Sale, Display, Merchandising, Storage and Handling of Approved Sparklers and Novelty Items within buildings, Structures, Canopies and Outdoor Sites.

F-120.5.1 No person shall be in possession of a lighted cigarette, cigar, or pipe, or any open flame, within 50 feet of any sales, display, merchandising, storage, or handling area. Proper receptacles for disposal of smoking materials shall be provided at all entrances to such areas (i.e. water filled or sand filled buckets).

F-120.5.2 A minimum of two approved two and one-half gallon pressurized water fire extinguishers shall be available within the sales, display, and handling areas; additional fire extinguishers or fire protection equipment may be required by the authority having jurisdiction.

F-120.5.3 Precautions shall be taken to protect against fire or spread of fire in all sites located within fields or lots with ground cover such as brush, grass or other overgrowth of vegetation.

F-120.5.4 Durable and readily visible signs to read "Caution Sparklers—No Smoking" shall be posted on the exterior of each entrance way into and throughout all sparkler sales, storage, and handling areas within the interior of any building, structure, canopy, or outdoor site. These signs shall be readily visible in all directions.

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F-120.5.5 The use, ignition or discharge of any approved sparklers or novelty items is prohibited within buildings or structures where sparklers or novelty items are offered for sale, displayed, or stored, and within 100 feet of any outdoor sales storage or handling sites.

F-120.5.6 Buildings or structures used in whole or in part for sales (retail or wholesale), display, merchandising, handling, or storage of sparklers and/or novelty items shall be fully protected throughout with an automatic sprinklers system in accordance with NFPA 13, the edition in 69A-60, Florida Administrative Code.

F-120.5.7 No storage of sparklers or novelty items shall be permitted in vehicles.

Exception: Transportation purposes only, to and from the site or at a permitted site, if approved by the authority having jurisdiction.

F-120.5.8 Sales, display and merchandising shall be conducted in an approved and safe manner in order to control handling by the general public.

F-120.5.9 Amounts of sparklers and related novelty items displayed within the sales area shall not exceed those amounts approved by the Fire Chief, or their duly authorized representative. Note: Where the primary business of the occupancy is not sale of sparklers, the sale areas of sparklers or novelty items shall not exceed two percent of the net floor space of the building or structure.

F-120.5.10 Storage of approved sparklers and novelty items shall comply with the following.

F-120.5.10.1 Sparklers shall not be stored or kept in any area

F-120.5.10.1.1 In which paints, oils, or varnishes are manufactured or kept for use or sale, unless the paints, oils or varnishes are in unbroken (sealed) containers.

F-120.5.10.1.2 In which resin, turpentine gasoline or flammable substances which may generate vapors are used, stored, or offered for sale unless the resin, turpentine, gasoline, or substance is in unbroken (sealed) containers.

F-120.5.10.1.3 In which there is not at least one 2A10BC fire extinguisher available in the area used for storage.

F-120.5.10.2 Storage of sparklers shall be in an approved manner, remote from the public, and separated from all other merchandise by at least one hour fire protection and an approved automatic sprinkler system.

Exception: Canopies and approved steel storage vaults or containers when used outdoors.

F-120.5.10.3 Approved storage facilities shall be labeled with an approved Explosion placard complying with the Department of Transportation (DOT) Standard.

F-120.5.11 Outdoor sites for sale, storage, and/or handling of approved sparklers shall comply with the following distance requirements: The minimum distance between a storage site and any building or structure shall be 50 feet.

F-120.6 Separation.

F-120.6.1 The minimum distance required between a site and any fuel storage/dispensing area or device shall be 50 feet.

F-120.6.2 Storage areas shall be separated from sales and handling areas by a minimum of 25 feet.

F-120.6.3 Any building or structure used as storage facilities for sparklers and novelty items in conjunction with outdoor sites shall comply with the one hour protection separation and automatic sprinkler system requirements as required for storage areas within building and structures.

Exception: Canopies and approved steel storage vaults or containers.

F-120.6.4 When a canopy can be used in conjunction with an outdoor site operation, the following shall apply:

F-120.6.4.1 No sides of any kind are permitted on the canopy at any time. Provide copy of Building Permit for canopy.

F-120.6.4.2 The canopy shall comply with the flame-retardant requirement. Proper flame retardant certificate required.

F-120.6.4.3 Proper exit and exit access shall be maintained at all times within the interior of the canopy. No obstruction to egress from any portion of the canopy is permitted.

F-120.6.4.4 Provide and maintain a minimum of one 2A40BC dry chemical fire extinguisher, with properly updated service tag for each 2,500 sq. ft. of canopy area. Not less than one fire extinguisher for each canopy.

F-120.6.5 If the site is to operate after daylight hours, the site shall be properly illuminated. If electricity powered and/or electrical equipment is used, the following shall apply:

F-120.6.5.1 All electrical equipment and associated wiring shall comply with NFPA 70, the National Electrical Code, edition as adopted in 69A-60, Florida Administrative Code. Provide copy of permit for electrical service and equipment.

F-120.6.5.2 If fuel powered generator is to be used to supply power for the site, the following shall apply.

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F-120.6.5.2.1 Generator shall be kept a minimum distance of twenty feet (20') from sales, storage, or handling area.

F-120.6.5.2.2 Precautions against fire or fire spread shall be taken when generator sites are located within fields or grassed lots.

F-120.6.5.2.3 Only an approved metal five gallon safety container shall be used to store fuel for the generator. Fuel containers shall be properly stored with a maximum of ten gallons per site.

F-120.6.5.2.4 Approved fuel containers shall not be stored in sales, storage, handling areas or vehicles.

F-120.6.5.3 Durable sign to read "NO SMOKING" shall be posted at the generator site.

F-120.7 Pyrotechnics Before Proximate Audience

F-120.7 The requirements for the use of pyrotechnics before a proximate audience shall be in accordance with the standards as set forth in the FFPC. In addition, the following local amendments shall apply:

F-120.7.1 Application for permit to operate a display of pyrotechnics before a proximate audience shall be made in writing on forms provided by the Authority Having Jurisdiction to the Fire Chief, or their duly authorized representative, at least 15 days in advance of the date of the display.

F-120.7.2 The local Fire Marshal/Fire Code Official, or their duly authorized representative at their discretion, shall require standby fire watch personnel employed by the AHJ of the Fire Service Provider/Fire Department, to be on duty for each display or performance. When deemed necessary by the local Fire Marshal/Fire Code Official, or his/her duly authorized representative, additional fire and rescue apparatus may be required for the display or performance. Any and all expense(s) of standby personnel services and apparatus shall be borne by the permit holder.

F-120.7.2.1 Standby fire watch personnel shall be on duty from the time of display setup, during the display, and until termination of the display and removal of all pyrotechnic materials, debris, and devices from the site.

F-120.7.2.2 In the case of indoor displays or performances, standby fire watch personnel shall be maintained until total restoration of normal functioning of the fire safety systems has been verified.

F-120.7.2.3 At a minimum, at least one of the assigned standby fire watch personnel shall be a BORA Certified Fire Inspector.

F-120.7.3 Any indoor use of pyrotechnics shall not be permitted in buildings or any portion thereof unless protected by an approved automatic sprinkler system.

F-120.7.3.1 Indoor use of pyrotechnics shall be prohibited in temporary structures such as tents, canopies,

F-120.8 Rooftop Pyrotechnics: In addition to the aforementioned code requirements, the following shall apply to rooftop pyrotechnic displays:

F-120.8.1 Only NFPA 1126 approved pyrotechnics shall be permitted for all rooftop displays.

F-120.8.1.1 If a rooftop display is being proposed, the pyrotechnician shall identify a debris fallout area on the submitted plan.

F-120.8.1.2 The pyrotechnician shall provide the local Fire Marshal/Fire Code Official, or their duly authorized representative with an approved, written notice from the FAA acknowledging receipt of the time frame of the display, the pyrotechnic material used, and approval from the FAA representative to proceed with the event.

F-120.8.1.3 Such an approved written notice shall be a part of the permit application submitted at least 15 working days prior to the event.

F-120.8.1.4 Failure to provide approved, written notice from the FAA to the local Fire Marshal/Fire Code Official, or their duly authorized representative, shall be cause for denial to display rooftop pyrotechnics.

F-120.8.1.5 At the discretion of the local Fire Marshal/Fire Code Official, or their duly authorized representative, the pyrotechnician may be required to post all, or part of the following:

F-120.8.1.5.1 Additional insurance policy in the amount of one million dollars indemnifying the local AHJ.

F-120.8.1.5.2 Post a refundable clean-up bond with the local AHJ holding the pyrotechnician responsible for post-event clean up from pyrotechnic debris fallout.

F-120.8.1.5.3 If the pyrotechnician is not directly responsible for post event cleanup of debris, the pyrotechnician shall furnish written proof from the party responsible for post event cleanup of pyrotechnic debris.

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F-120.8.1.6 The pyrotechnician shall be held responsible for the cleanup of any NFPA 1126 pyrotechnic material fallout on any structure, vehicles, and/or part thereof in the fallout area unless otherwise advised in writing, to the fire code official, as to the contracted party responsible for such cleanup.

F-121 Reserved

F-122 Mobile and Temporary Cooking Operations

F-122.1 The following section shall be a minimum life safety requirement but can be modified if deemed necessary by the local AHJ.

F-122.1.1 Mobile or Temporary Cooking. Any cooking facility, apparatus or equipment, being operated on a one time or interim basis, or for less than 90 days in the same location, other than at a fixed location, building or structure which has been inspected and permitted under another section of this code, regulation or statute, inclusive of self-propelled trucks and vehicle, trailered units, push carts, equipment located under cover of awnings, canopies or pop-up tents, or other structures for which a building permit has not been issued.

F-122.1.2 All current licensing, semiannual / annual fire suppression system inspections reports and a cleaning report with related documents shall be placed in a binder and accessible to the AHJ at all times.

F-122.1.3 Prior to operating within Broward County, each Mobile Food Dispensing Vehicle shall be inspected and approved.

a. Inspection and approval by the AHJ shall not relieve the mobile food vendor's owner of the responsibility of compliance with the design, construction, installation, alteration, repairs, equipment maintenance, process and relocation of the mobile food truck.

b. Inspection and approval shall not hold the AHJ responsible for the enforcement of regulations of such other regulatory agencies unless specifically mandated to enforce those agencies regulations.

F-122.1.4 Cooking equipment that produces grease-laden vapors shall be protected by a fire-extinguishing system. Automatic fire-extinguishing systems shall comply with ANSI/UL300 or other equivalent standards and shall be installed in accordance with the terms of their listing, the manufacturer's instructions, and NFPA 17A.

F-122.2 Cleaning

F-122.2.1 The entire exhaust system, appliances, floor underneath and wall behind appliances, shall be inspected and cleaned for grease buildup by a properly trained, qualified, and certified person(s) acceptable to the AHJ and in accordance with Table 11.4 in NFPA 96 and in accordance with

F-122.3 Fire Extinguishers

F-122.7.1 There shall be a quarter-turn valve installed within the LP- gas piping for emergency shut-off use, shall be installed on the exterior of the vehicle and readily assessable.

F-122.7.2 A "PROPANE EMERGENCY SHUT-OFF" sign and a "NO SMOKING" sign shall be installed directly next to or above the gas cylinder and shall be a highly visible, permanent weatherproof sign with a minimum of 2" lettering.

F-122.7.3 Cylinders shall be retested every 5-12 years in accordance with the manufacturer's recommendations and 49 CFR 180.205.

a. No letter after the requalification date means the cylinder must be retested within 12 years.

b. An "S" after the requalification date means the cylinder must be retested within 7 years.

c. An "E" after the requalification date means the cylinder must be retested within 5 years.

F-122.8 Leak Detection

F-122.8.1 A test gauge shall be installed at or before the regulator for means of leak detection. Pressure shall be observed for a minimum of 3 minutes with no drop in pressure. Propane tanks, hoses and fittings shall be free of leaks. Documentation that the system is free of leaks shall be kept in a binder and readily assessable for the AHJ upon request.

F-123 Permanently Installed Cooking Exhaust Systems

F-123.1 Cooking Exhaust Systems: Cleaning of Cooking Exhaust Systems shall be in compliance with NFPA 96 and the following.

F-123.2 Cooking ventilation systems shall be inspected for grease buildup by a person meeting the training requirements as set forth by International Kitchen Exhaust Cleaning Association (IKECA) or other nationally recognized exhaust system cleaning association acceptable to the AHJ in accordance with

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NFPA 96, Section 11.6.1.

F-123.3 Certification of training shall be submitted to the Local AHJ prior to cleaning operations taking place.

F-123.4 The completed inspection or cleaning report as found in NFPA 96, 11.6.14 shall be provided to the owner and a copy along with photos taken prior to cleaning and after cleaning shall be submitted to the local AHJ.

F-124 Uniform Generator Code

F-124.1 Scope The purpose of this document is to provide uniform procedures for the AHJs' in Broward County as it pertains to secondary power sources. Any Board and Care occupancy as defined by the provisions of this code that is required to receive an inspection from an AHJ as per Florida State Statute or the Florida Administrative Code, shall comply with the provisions of this code.

F-124.2 Referenced Publications:

NFPA 1, *Fire Code*

NFPA 30, *Flammable and Combustible Liquids Code*

NFPA 37, *Standard for the Installation of and Use of Stationary Combustion Engines and Gas Turbines*

NFPA 54, *National Fuel Gas Code*

NFPA 58, *Liquefied Petroleum Gas Code*

NFPA 70, *National Electrical Code*

NFPA 72, *National Fire Alarm and Signaling Code*

NFPA 110, *Standard for Emergency and Standby Power Systems*

NFPA 111, *Standard on Stored Electrical Energy Emergency and Standby Power Systems*

NFPA 720, *Standard for the Installation of Carbon Monoxide (CO) Detection and Warning Equipment*

Florida Administrative Code 58A-5.036 for Assisted Living Facilities

Florida Administrative Code 59A-4.1265 for Nursing Homes

Florida Building Code

F-124.3 General:

F-124.3.1 Existing approved, non-conforming installations shall be deemed compliant with this code unless the AHJ

determines that non conformity presents a distinct hazard to life.

F-124.3.2 All facilities shall store a minimum of seventy-two (72) hours of fuel onsite and be able to show proof (such as a fuel service contract) of a reliable method to obtain the additional twenty-four (24) hours of fuel within forty-eight (48) hours of a declared State of Emergency. Piped natural gas is an allowable fuel source.

F-124.3.3 If local ordinances or other regulations limit the amount of onsite fuel storage at the location of the facility, then the owner/operator shall develop a plan that includes maximum onsite fuel storage allowable by the ordinance or regulation and a reliable method to obtain the maximum additional fuel at least 24 hours prior to the depletion of the onsite fuel.

F-124.3.4 Storage of any fuels shall be compliant with the applicable National Fire Protection Association's (NFPA) codes and standards.

F-124.3.5 Other fuel sources shall be permitted in conformance with the NFPA 54 and 58 as currently adopted.

F-124.4 Minimum Permit Submittal Requirements:

F-124.4.1 The following is a list of the minimum required information that shall be submitted to the AHJ for review:

- A) Plans shall be submitted for permitting, with details and manufacturer specifications that demonstrate compliance with all applicable NFPA codes and standards. The submittal shall be made by a qualified and licensed contractor.
- B) All generators shall be NFPA 110 compliant.
- C) Plans shall clearly identify the class, type, and level of the generator.
- D) A site plan shall be provided indicating the location of the emergency generator in relation to the building openings as well as adjacent building openings, exit discharges, the fuel source type, and the automatic transfer switch.
- E) The location of the manual emergency shut off shall be clearly identified on the plans. The emergency shut off shall be readily accessible at all times, identified with permanent weatherproof signage, shall be readily visible to emergency responders, and the location shall be approved by the AHJ.
- F) Plans shall demonstrate that the fuel supply can accommodate the specific EPS class and time duration identified on the plans.
- G) Physical protection of the fuel source and generator when located in areas subject to vehicular traffic shall be clearly identified.

FFPC 6th Edition Broward County Local Amendments

- H) A remote generator annunciator shall be installed at a continuously attended location and indicated on the plans, approved by the AHJ.
- I) A signed generator maintenance contract shall be submitted, maintained, and made available to the AHJ upon request.
- J) Carbon monoxide protection shall be installed in accordance with NFPA 720. The location(s) of Carbon Monoxide Alarms shall be indicated on the plans.

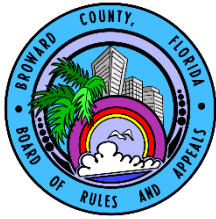
F-124.5 Inspection and Testing

- A) Emergency Power Supply Systems' (EPSS), including all appurtenant components, shall be inspected weekly and exercised under load at least monthly.
- B) The facility owner shall ensure that the EPSS is properly maintained and serviced not less than annually by a qualified person or contractor in accordance with the manufacturer's specifications.

F-124.6 Records Retention

- A) Each facility shall provide a binder which contains a log of weekly inspections and monthly load exercise. The owner or their agent is responsible for the proper recording of this information.
- B) The binder shall also include a copy of the annual service agreement as well as the most current annual service report.
- C) This binder shall be made readily accessible to the AHJ upon request.

Section 6



BROWARD COUNTY BOARD OF RULES AND APPEALS

ONE NORTH UNIVERSITY DRIVE
SUITE 3500-B
PLANTATION, FLORIDA 33324

PHONE: 954-765-4500
FAX: 954-765-4504

www.broward.org/codeappeal

2021 Voting Members

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Mr. Daniel Lavrich,
P.E., S.I., SECB, F.ASCE, F.SEI
Structural Engineer

Vice-Chair

Mr. Stephen E. Bailey, P.E.
Electrical Engineer
Mr. John Famularo,
Roofing Contractor
Mrs. Shalanda Giles Nelson,
General Contractor
Mr. Daniel Rourke
Master Plumber
Mr. Gregg D'Attila,
Mechanical Contractor
Mr. Ron Burr
Swimming Pool Contractor
Mr. John Sims,
Master Electrician
Mr. Dennis A. Ulmer
Consumer Advocate
Mr. Abbas H. Zackria, CSI
Architect
Mr. Robert A. Kamm, P.E.
Mechanical Engineer

Vacant

Representative Disabled Community
Mr. Sergio Pellicer
Fire Service Professional

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Structural Engineer
Mr. David Rice, P.E.
Electrical Engineer
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Master Plumber
Mr. David Tringo,
Master Electrician
Mr. William Flett,
Roofing Contractor

Board Attorney

Charles M. Kramer, Esq.

Board Administrative Director

James DiPietro

—ESTABLISHED 1971—

TO: Members of the Board of Rules and Appeals
FROM: Michael Guerasio, Chief Code Compliance Officer.
DATE: February 11th, 2021
SUBJECT: BORA Interpretation - FBC 2020 7th Edition, High Velocity Hurricane Zone -Test Protocols, RAS 127 Tables

Recommendation:

It is Staff's request that the Board of Rules and Appeal interpret that these corrected Tables meet the minimum requirements of the Code and can be used throughout Broward County. Attached you will find Miami-Dade corrective action ("Formal Interpretation") that was approved at their January 21st, 2021 Board meeting in which we are looking to mirror the same action.

Reasons:

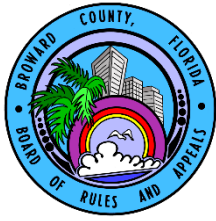
Since the inception of the FBC, Broward County has utilized prescriptive wind design pressures, via Roofing Application Standard 127 (RAS 127) in the FBC Test Protocols for High Velocity Hurricane Zones. These prescriptive wind design pressures allow the owner/contractor the ability to submit Roofing Permit Applications without having to enlist the service of a Design Professional to calculate these pressures, thereby, reducing the cost and time required to obtain a roof permit. In previous Code editions, RAS 127 had two tables, and each had five-line items. With the added requirements of ASCE7-16, there are now twelve tables, each with ten-line items now within the FBC 2020, RAS127. Due to the complexity of the new requirements, it took four restatements of the data by Miami-Dade County to achieve a final agreement on the values to be published. Each restatement was cross checked several times by four different members of Miami-Dade, and they were confident that the final values were correct. However, during the final transmission of the data to the Florida Building Commission, a glitch occurred causing the final values to include typographical errors in four of the published RAS 127 tables. As soon as Miami-Dade was aware of these errors, they informed the Florida Building Commission so that corrections could be made. The Commission informed Miami-Dade that the Code was already being published, therefore, it was too late to make changes. When asked about a glitch cycle, the Commission informed them it does not intend to have one for the current edition of the Code.

These errors in RAS 127 are identified in the attached Formal Interpretation for Board consideration. Three tables have simple mislabeling of wind zones, the fourth table has all the values shown higher than required. While in this case the values published are more conservative and not a detriment to meeting the minimum requirements of the Code, the more correct values should be allowed to be used throughout Broward County.

Additional Information:

The 2020 Florida Building Code 7th Edition became effective on December 31st, 2020. ASCE7-16, with its updated wind design criteria for roofing is a major change that is incorporated in the new Code. Staff has been working the past 2 years preparing for this major change and recently become aware of some typographical errors in the code that we feel should be addressed.

Michael Guerasio, Chief Code Compliance Officer.



BROWARD COUNTY BOARD OF RULES AND APPEALS

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Charles M. Kramer, Esq.


Board Administrative Director

James DiPietro

—ESTABLISHED 1971—

Typographical Errors in the FBC 7th Edition (2020) Test Protocols for High Velocity Hurricane Zone, RAS 127 Tables.

FORMAL INTERPRETATION (#25)

DATE: February 11th, 2021
TO: All Building Officials in Broward County
FROM: James DiPietro, Administrative Director 
SUBJECT: Interpretation of Typographical Errors in FBC Test Protocols for High Velocity Hurricane Zone, RAS 127 Tables

At their meeting of February 11th, 2021, the Board discussed a request for interpretation on whether corrections to typographical errors in the Florida Building Code Test Protocols for High Velocity Hurricane Zone, Roofing Application Standard 127 (RAS 127) meet the minimum requirements of the Code and can be used throughout Broward County.

During transmission of referenced data to the Florida Building Commission, a glitch occurred causing the final values which are published in the current Code to include typographical errors in four of the published RAS 127 tables.

Upon discussion, the Board agreed and interpreted that **“The corrected Tables meet the minimum requirements of the Code and can be used throughout Broward County.”**

Attached are the corrected Tables. Tables 3, 6 and 12 now reflect the correct roof wind zones. Table 8 now reflects the correctly calculated values.

Building Officials are requested to post and distribute this information widely, as appropriate, to ensure that the construction industry and design professionals are aware of the interpretation of the referenced RAS 127 Tables.

Issued: February 11th, 2021
Effective Date: February 11th, 2021

*****PLEASE POST AT YOUR PERMIT COUNTER*****

TABLE 3 — GABLE ROOFS			
MINIMUM ASD DESIGN WIND UPLIFT PRESSURES IN PSF FOR ROOF SLOPE – >6:12 to ≤12:12 RISK CATEGORY II EXPOSURE CATEGORY “C”			
Roof Mean Height	Roof Pressure Zones		
	1, 2e and 2r	2n and 2r3r	3e
≤15'	-67	-74	-115
>15 to ≤20'	-71	-78	-122
>20' to ≤25'	-74	-82	-127
>25' to ≤30'	-78	-85	-132
>30 to ≤35'	-80	-88	-137
>35 to ≤40'	-82	-91	-141
>40' to ≤45'	-85	-93	-146
>45' to ≤50'	-86	-95	-147
>50' to ≤55'	-88	-97	-151
>55' to ≤60'	-89	-98	-153

TABLE 6 — GABLE ROOFS			
MINIMUM ASD DESIGN WIND UPLIFT PRESSURES IN PSF FOR ROOF SLOPE - >6:12 to ≤12:12 RISK CATEGORY II EXPOSURE CATEGORY “D”			
Roof Mean Height	Roof Pressure Zones		
	1, 2e and 2r	2n and 2r3r	3e
≤15'	-82	-90	-140
>15 to ≤20'	-86	-94	-146
>20' to ≤25'	-87	-98	-151
>25' to ≤30'	-92	-101	-157
>30 to ≤35'	-94	-103	-161
>35 to ≤40'	-97	-106	-165
>40' to ≤45'	-99	-109	-168
>45' to ≤50'	-101	-111	-172
>50' to ≤55'	-102	-112	-174
>55' to ≤60'	-104	-114	-177

TABLE 8 — HIP ROOFS			
MINIMUM ASD DESIGN WIND UPLIFT PRESSURES IN PSF FOR ROOF SLOPE – >4:12 to ≤6:12 RISK CATEGORY II EXPOSURE CATEGORY “C”			
Roof Mean Height	Roof Pressure Zones		
	1	2e, 2r and 3	3
≤15'	-71 -54	-91 -74	-111
>15 to ≤20'	-75 -57	-97 -78	-118
>20' to ≤25'	-79 -59	-101 -82	-124
>25' to ≤30'	-82 -62	-105 -85	-129
>30 to ≤35'	-84 -64	-109 -88	-133
>35 to ≤40'	-87 -66	-112 -90	-137
>40' to ≤45'	-89 -67	-114 -92	-140
>45' to ≤50'	-91 -69	-117 -95	-143
>50' to ≤55'	-93 -70	-120 -97	-146
>55' to ≤60'	-94 -72	-122 -99	-149

TABLE 12 — HIP ROOFS				
MINIMUM ASD DESIGN WIND UPLIFT PRESSURES IN PSF FOR ROOF SLOPE - >6:12 to ≤12:12 RISK CATEGORY II EXPOSURE CATEGORY “D”				
Roof Mean Height	Roof Pressure Zones			
	1	2r2e	2e2r	3
≤15'	-69	-119	-123	-156
>15 to ≤20'	-73	-124	-129	-163
>20' to ≤25'	-75	-129	-133	-169
>25' to ≤30'	-78	-134	-138	-175
>30 to ≤35'	-80	-137	-142	-180
>35 to ≤40'	-82	-141	-145	-184
>40' to ≤45'	-84	-143	-148	-188
>45' to ≤50'	-85	-146	-151	-192
>50' to ≤55'	-87	-149	-154	-195
>55' to ≤60'	-88	-151	-156	-198

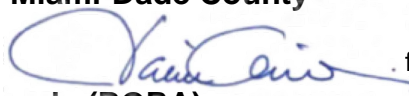
**Miami-Dade BORA
acceptance of the
corrected charts**



Department of Regulatory and Economic Resources
Board Administration Section
11805 S.W. 26 Street (Coral Way) Rm. 230
Miami, Florida 33175
Tel (786) 315-2573 Fax (786) 315-2570
www.miamidade.gov/development

MEMO

TO: All Building Officials in Miami-Dade County

FROM: Secretary of the Board  for
Board of Rules and Appeals (BORA)

DATE: January 22nd, 2021

SUBJECT: BORA Interpretation
Interpretation of Typographical Errors in FBC Test Protocols for
High Velocity Hurricane Zone, RAS 127 Tables

At their meeting of January 21st, 2021, the Board discussed a request for interpretation on whether corrections to typographical errors in the Florida Building Code Test Protocols for High Velocity Hurricane Zone, Roofing Application Standard 127 (RAS 127) meet the minimum requirements of the Code and can be used throughout Miami-Dade County.

During transmission of referenced data to the Florida Building Commission, a glitch occurred causing the final values which are published in the current Code to include typographical errors in four of the published RAS 127 tables.

Upon discussion, the Board agreed and interpreted that “***The corrected Tables meet the minimum requirements of the Code and can be used throughout Miami-Dade County.***”

Attached are the corrected Tables. Tables 3, 6 and 12 now reflect the correct roof wind zones. Table 8 now reflects the correctly calculated values.

Building Officials are requested to post and distribute this information widely, as appropriate, to ensure that the construction industry and design professionals are aware of the interpretation of the referenced RAS 127 Tables.

Should you have any questions, please contact Gaspar Rodriguez, Senior Code Officer, Roofing at (786) 315-2232.

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Section 7



BROWARD COUNTY
Board of Rules & Appeals

One North University Drive, Suite 3500-B, Plantation, Florida 33324

Phone (954) 765-4500 Fax: (954) 765-4504

www.broward.org/codeappeals

TO: Members of the Broward County Board of Rules and Appeals
FROM: Jonda K. Joseph, Administrative Specialist
DATE: February 11, 2021
SUBJECT: Disposal of Subject/Reference files pursuant to Florida Division of Library and Information Services' General Records Schedule GS1-SL.

RECOMMENDATION

It is recommended that the Board authorize the disposal of subject/reference files listed below in accordance with the Florida Department of State, Division of Library and Information Services' General Records Schedule GS1-SL for local governmental agencies.

REASONS

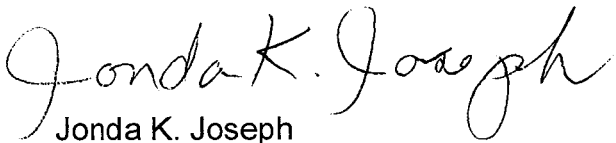
The following files were created as a reference resource for the convenience of staff at the time. They are categorized by the State of Florida as Item #373 of GS1-SL (subject/reference files) "RETENTION: Retain until obsolete, superseded, or administrative value (OSA) is lost." and may now be disposed.

Title	Subject	Date Range	Volume
School Board of Broward County	Question of whether School Board facilities are subject to Florida Building Code	1971-1977	0.15 Cubic Ft
Relocation of BORA Offices	Location considerations	2000-2002	0.3 Cubic Ft

ADDITIONAL INFORMATION

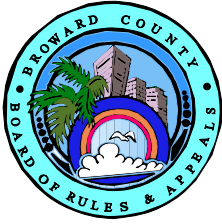
Records with a disposition of OSA (retain until obsolete, superseded or administrative value is lost) are handled by the department or agency. The Broward County's Records Division does not require any documentation in order to complete this disposal.

Respectfully submitted,

A handwritten signature in black ink that reads "Jonda K. Joseph". The signature is written in a cursive style with a large initial "J" and a long, sweeping underline.

Jonda K. Joseph
Administrative Specialist

Section 8



BROWARD COUNTY

Board of Rules & Appeals

ONE NORTH UNIVERSITY DRIVE, SUITE 3500-B, PLANTATION, FLORIDA 33324

PHONE (954) 765-4500 FAX: (954) 765-4504

<http://www.broward.org/codeappeals>

To: James Dipietro, Director.
From: Bryan Parks, Chief Fire Code Official
Date: February 11, 2021
Subject: Update Related to Expenditures for Training by the FIABC as approved under Board Policy 15-02

The Board of Rules and Appeals on July 9, 2020 as provided in agenda item 12 (below) authorized the Administrative Director to spend up to \$9,500 dollars per vendor for instructors for education of inspectors through a joint effort between the Board and the Fire Inspectors Association of Broward County (FIABC)

The FIABC contracted with Public Safety Training and Development LLC, Fort Myers Florida to provide the following classes for 60 students. All classes were to be state approved and would be conducted as distance learning. (As attached)

The students once registered would be issued a coupon. Once the student logged into Public Safety Training and Development web site, they would enter the coupon number and were allowed to take the course.

As of this date all the coupons for distance learning have been requested and issued to fire inspectors in Broward County.

Amendment to Board of Rules and Appeal Policy 15-02 entitled "Delegation by Board of Rules and Appeals to the Administrative Director of the Board's Authority to obtain Goods and Services up to and including \$9,500 (Nine Thousand Five Hundred dollars) per year per vendor for the purpose of funding of duties as contemplated under the Florida Building Code, Special Act 71- 575, and Broward County Code 9.02, and to assist carrying out those duties as reasonable and as legislatively contemplated." The policy allows for the inclusion of the Building Officials and Inspectors Educational Association (BOIEA) doing business as the Code Officials Educational Association (COEA) and the Fire Inspectors Association of Broward County (FIABC) to use funds for the payment of instructors. These payments will be made directly to the instructors and not the organizations mentioned above.

Respectfully Submitted,

A handwritten signature in black ink that reads "Bryan Parks".

Bryan Parks.

60 Course Pack FIRE OFFICER III	COST	YOUR COST
*ATPC2770 Ethical & Legal Issues for the Fire Service	\$175	<i>Included</i>
*ATPC3780 Analytical Approaches to Public Fire Protection	\$175	<i>Included</i>
*ATPC9516 Chief Officer	\$175	<i>Included</i>
<i>*Does not include required textbooks.</i>		
FIRE OFFICER IV		
ATPC3533 Community Risk Reduction	\$225	<i>Included</i>
*ATPC3720 Strategic Planning	\$225	<i>Included</i>
ATPC4045 Personnel Management for the Fire & Emergency Services	\$225	<i>Included</i>
*ATPC9884 Quantitative Analysis	\$225	<i>Included</i>
<i>*Does not include required textbooks.</i>		
FIRE INVESTIGATOR		
*ATPC2111 Fire Chemistry	\$175	<i>Included</i>
<i>*Does not include required textbooks.</i>		
FIRE INSPECTOR II		
*ATPC1793 Fire & Life Safety Educator I	\$175	<i>Included</i>
*ATPC2111 Fire Chemistry	\$175	<i>Included</i>
ATPC2541 Private Fire Protection Systems II	\$175	<i>Included</i>
<i>*Does not include required textbooks.</i>		
FIRE CODE ADMINISTRATOR		
*ATPC2770 Ethical & Legal Issues for the Fire Service	\$175	<i>Included</i>
*ATPC3780 Analytical Approaches to Public Fire Protection	\$175	<i>Included</i>
*ATPC9516 Chief Officer	\$175	<i>Included</i>
ATPC3533 Community Risk Reduction	\$225	<i>Included</i>
ATPC4045 Personnel Management for the Fire & Emergency Services	\$225	<i>Included</i>
*ATPC4585 Fire Prevention Organization Management	\$225	<i>Included</i>
<i>*Does not include required textbooks.</i>		
FIRE & LIFE SAFETY EDUCATOR		
*ATPC1793 Fire & Life Safety Educator I	\$175	<i>Included</i>
*ATPC2794 Fire & Life Safety Educator II	\$150	<i>Included</i>
<i>*Does not include required textbooks.</i>		

PROPOSAL COST

Included in the terms of this option, the 60-course pack includes up to 60 online course registrations. Any combination of the courses listed above may be used to total 60 courses.

To: Jim Dipietro, Administrative Director
From: Michael Guerasio, Chief Structural Code Compliance Officer
Date: February 2nd, 2021
Re: 2021 Municipal Electronic Permit Submittal Survey

At the January 14th, 2021 Board of Rules and Appeals meeting, there was discussion about electronic permit submittal and how many cities have the ability to accept permits electronically. Two of the board members suggested that we commence with a poll of how many municipalities have this capability. To date, we've had twenty three out of the thirty-two municipalities respond to the survey which was emailed out on January 28th, 2021 after the development of appropriate questions, working with one of the board members to develop these questions. The spreadsheet was then made fillable for the ease of the user.

The consensus so far varies from city to city with a mixed result being able to accept electronic permit submittal in one way or another. Attached is a spreadsheet of the responses to date and we will continue to update these as new updates are received.

Respectfully submitted,

MICHAEL
GUERASIO

Digitally signed by MICHAEL
GUERASIO
Date: 2021.02.10 08:29:07
-05'00'

Michael Guerasio, Chief Structural Code Compliance Officer

Broward County BORA - 2021 Electronic Permit Submittal Survey

City/County Name	Do You Process Permit Applications or Plans Electronically?				What type of permitting software do you use?	What platform is database operating on?	Web Interface or Full Client?	Can a Customer pay for their permits online?		If plans or sealed documents are submitted, are there special requirements for acceptance?		Can customers submit all of the required paperwork online, shop drawings, product approvals, etc.?		Can corrections, if required, be submitted online?		Can a customer pay online and then either, pick up or print the paperwork for in the field?		Special requirements for acceptance explained	
	Major Implementation (large projects, plan review, etc.)		Minor Implementation (simple projects, limited or no plan review)					Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
	Apps	Plans	Apps	Plans															
Broward County	Yes	No	Yes	Yes	POSSE	Oracle	Both	Yes		Yes		Yes		Yes		Yes		Engineer and Architect Signatures on electronic documents can either show up as Valid on ADOBE or be submitted with a fully completed SHA-1 form.	
Coconut Creek	No	No	Yes	Yes	Custom/Sungard Communityplus	Windows	Web Interface	Yes		No		Yes		Yes		Yes			
Cooer City					BS&A	Microsoft SQL	Full Client												
Coral Springs	Yes	Yes	Yes	Yes	TRAKIT	SQL server	Both	Yes		No		Yes		Yes		Yes			
Dania Beach					New World	SQL server	Web Interface	Yes		No		Yes		Yes		Yes			
Davie	Yes	Yes	Yes	Yes	New World Systems / Project DOX	SQL server	Web Interface		No	Yes		Yes		Yes		Yes		Proper digital signatures required.	
Deerfield Beach	No	No	No	No	SunGard	AS400 Mainframe	Web Interface		No	No		No		No		No		No	At this point in time we can only accept simple plans via email. These would be HVAC change outs, Water Heater Change Outs, Electric Service Upgrade. In the future we are hoping to have the software for electronic submittals, but we are not there yet.
Fort Lauderdale	Yes	Yes	Yes	Yes	Community Plus	Informiz	Full Client	Yes		No		Yes		Yes		Yes		We will be transitioning into our electronic add-on to Accela, later this month. It will allow all of the options that Victor checked on your chart. We will be offering several classes to the public (mostly our heavy users) to familiarize them with navigation and procedures for use of the program.	
Hallandale Beach	Yes	Yes	Yes	Yes	Energov	SQL Server	Web Interface	Yes		Yes		Yes		Yes		Yes		If an electronic signature is provided; without a third party verification, then an Electronic signature affidavit must be submitted.	
Hillsboro Beach					POSSE	Oracle	Both												
Hollywood	Yes	Yes	Yes	Yes	BCLA	Java (windows)	Web Interface	Yes		Yes		Yes		Yes		Yes		This form (link below) is required to be submitted along with all electronic documents if plans are digitally signed or sealed: http://www.hollywoodfl.org/DocumentCenter/View/17363/Electronic-Signature-Affidavit	
Lauderdale Lakes					Citview	Citview (windows)	Web Interface												
Lauderdale-bv-the-Sea					Citserve	Citserve (windows)	WebInterface												
Lauderhill					Sungard Genera	Windows	Full Client	Yes		No		No		No		No			

Lazy Lake	Yes	No	Yes	Yes	POSSE	Oracle	Both	Yes			No		No		No	Yes	
Lighthouse Point					Paladin	SmartGov (windows)	Web Interface										
Margate					SunGard	AS400 Mainframe	Web Interface	Yes		Yes			No		No	Yes	<p>1. In March we will transition to 100% electronic plan review using Project Dox software. Applications will also be electronic.</p> <p>2. Signed and sealed plans are currently required to be original.</p> <p>3. Currently we require submittal's to be provided in duplicate. However if it is just a minor correction we allow them to electronically submit them.</p> <p>4. Minor corrections can be submitted on line.</p>
Miramar					Tidemark	Tidemark (windows)	Web Interface										
North Lauderdale	No	No	Yes	No	Munis (ERP)	SQL Server	Both		No		No		No		No	No	
Oakland Park			Yes	Yes	Communityplus	Windows	Web Interface	Yes		Yes		Yes		Yes		Yes	Must be Digital Seal for any signed and sealed document.
Parkland					Trackit	SQL server	Web Interface										
Pembroke Park	Yes	Yes	Yes	Yes	INKforce	INKforce (windows)	Web Interface	Yes		Yes		Yes		Yes		Yes	If an electronic signature is provided; without a third party verification, then an Electronic signature affidavit must be submitted.
Pembroke Pines	Yes	No	Yes	Yes	INKforce	INKforce (windows)	Web Interface	Yes			No		No	Yes		Yes	<p>We only accept original hard copies of signed/sealed documents to be submitted to the building dept.. We are not set up for online submittal of signed and sealed documents as we don't have the capability of verifying the authenticity of the electronic seal/signature at this time.</p> <p>Corrections can only be submitted online for the minor projects that we allow to be submitted electronically, such as; residential re-roofs, A/C change-outs, water heater change-outs, residential electrical service/panel change, etc..</p> <p>Customers can pay online and pick-up or print out paperwork only for the minor projects that we allow to be submitted electronically, such as; residential re-roofs, A/C change-outs, water heater change-outs, residential electrical service/panel change, etc..</p>
Plantation	No	No	Yes	No	Accela	Accela	Web Interface	Yes			No		No		No	Yes	
Pompano Beach	Yes	Yes	Yes	Yes	Project DOX/Navaline	IBM series	Web Interface	Yes		Yes		Yes		Yes		Yes	<p>Architect or Engineering must utilize a Digital Signature Certificate from a 3rd Party Vendor, or create a Self-Issued Certificate in Adobe Acrobat and submit a physical Signature Affidavit with their Raised/Wet Seal and the signatures Serial Number.</p> <p>Physical paper plans with their original seal can also be submitted and scanned by city staff after verifying authenticity.</p>

Sea Ranch Lakes	No	No	No	No	None	None	None		No		No		No		No		No	
Southwest Ranches	Yes	Yes	Yes	Yes	Citserve	Citserve (windows)	Web Interface		No		No	Yes		Yes		Yes		
Sunrise					Navaline	AS400 Mainframe	Full Client											
Tamarac	Yes	Yes	Yes	Yes	ProjectDox/Naviline	AS400 Mainframe	Web Interface	Yes		Yes		Yes		Yes		Yes		Currently our requirements for seals on plans have been lessened due to the Governor's Emergency. We require third party verification of seals and signatures on Architect and Engineered plans. We accept scanned notarized documents.
West Park	Yes	Yes	Yes	Yes	Citizenserve	Citserve (windows)	Web Interface		No		No	Yes		Yes		Yes		
Weston					Accela	Accela	Both											
Wilton Manors	Yes	Yes	Yes	Yes	Citserve	Citserve (windows)	Web Interface	Yes			No	Yes		Yes		Yes		No, they must meet the minimum requirements mandated by the state. During the pandemic, the engineering and architectural boards have provided exceptions to the digital and electronic submittal signatures. By allowing scanned documents with the emboss or wet seal with signature and date.

Halsey Beshears, Secretary

Ron DeSantis, Governor

February 01, 2021

BROWARD COUNTY BOARD OF RULES & APPEALS
1 N. UNIVERSITY DR., STE. 3500-B
PLANTATION, FL 33324

Board: 0630
File: 15369
Appl: 23771
Course Number: 0613789
Course License: CRS12496
Approved Hours: 2
Expiration Date: 01/31/2024

Construction Industry Licensing Board Course Approval
Title: RESIDENTIAL ENERGY CODE REVIEW

Dear BROWARD COUNTY BOARD OF RULES & APPEALS

The application for the course, RESIDENTIAL ENERGY CODE REVIEW has been approved. The course designation number and title shall be utilized on all advertising, promotional material and communication with the board office.

This approval only verifies your compliance with the filing and disclosure requirements of the Florida Administrative Code, and does not constitute the Department's endorsement of the courses.

Be advised that the Florida Statutes and Florida Administrative Code are subject to change. It is your responsibility to ensure that your course material reflects all current requirements.

As an approved education provider, you are required to provide electronic files to the department within thirty (30) business days of the completion of each continuing education course. Courses must be taught in their entirety before they are reported to the Department as partial credits are not permitted.

Provided below are additional details regarding your approved course. To make any changes to instructors and/or course version, please notify the Department in writing, on company letterhead signed by your registered authorized representative. Any changes to the method of delivery or credit category will require the submission of a new initial course application.

COURSE DETAILS

Online:
Includes: (GEN), HI - (GEN)
Instructor(s): Timothy De Carion

If you should have any questions regarding the Department's Continuing Education Program, please contact the department at 850.487.1395.

Sincerely,

Bureau of Education and Testing
Department of Business and Professional Regulation



Section 9

MARK S. MUCCI, P.A.
Certified Civil Mediator

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January 11, 2021

James DiPietro, Administrative Director
The Broward County Board of Rules and Appeals
1 N. University Drive, Suite #3500-B
Plantation, FL 33324

RE: Proposed definition and code amendments re: virtual inspections.

Jim,

You have asked your attorney to prepare recommendations for changes to the Florida Building Code, Broward County Edition with respect to the matter of virtual inspections.

We have separated the matter into two (2) components. The first is our proposed definitions and the second is our proposed guidelines

Definitions 101.2.2

P. Virtual inspection is the process of inspection performed using, time and location verifiable video or still imaging. where a Certified Inspector inspects a job site via live video or still image taken at, or under, his/her direction.

Section 110 Inspections

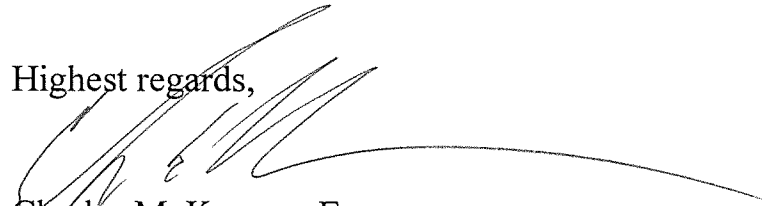
110.1 General. Construction or work for which a permit is required shall be subject to inspection by the Building Official and such construction or work shall remain accessible and exposed for inspection purposes until approved. Approval of an inspection shall not be construed to be an approval of a violation of the provisions of this Code or of other ordinances of the jurisdiction. Inspections presuming to

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Proposed definitions and code
amendments re: virtual inspections

give authority to violate or cancel the provisions of this Code or of other ordinances of the jurisdiction shall not be valid. It shall be the duty of the permit applicant to cause the work to remain accessible and exposed for inspection purposes. Neither the Building Official nor the jurisdiction shall be liable for expense entailed in the removal or replacement of any material required to allow inspection. Virtual inspections are not permitted except during emergency periods declared by the governor or for code specific examples as determined by the Broward County Board of Rules and Appeals to ensure uniformity of the application of the building code.

Please advise if you have any questions.

Highest regards,



Charles M. Kramer, Esq.
Board Certified by the Florida Bar