



FIRE ALARM DESIGN DOCUMENTS

PROVIDE COMPLETE INFORMATION REQUIRED BY FLORIDA ADMINISTRATIVE CODE 61G15-32.008 (1)-(7).



HIERARCHY OF CODES

Florida statute

- *Ch. 471 Engineering*
- *Ch. 553 Building Construction Standards*
- *Ch. 633 Fire Prevention and Control*

Florida administrative codes (FAC)

- *69A Division of State Fire Marshal*
- *61G15 Board of Professional Engineers*
 - *61G15-32 Specific to Fire Protection discipline*

Ordinances

- *Must be more stringent than adopted codes or standards*

Adopted codes and standards

Local policies and procedures

IDENTIFY THE APPLICABLE CODE CONFORMANCE TO REFLECT THE MINIMUM FIRE AND LIFE SAFETY CODE ADOPTED BY THE STATE OF FLORIDA .

- **FLORIDA FIRE PREVENTION CODE (FFPC), 6TH ED.**
- **FLORIDA BUILDING CODE, 6TH ED. (INDICATE COMPLIANCE)**
- **NFPA 72, 2013 ED.**
- **NFPA 70, 2014 ED.**



THE NEW EDITION OF THE FFPC (AND THE REFERENCED CODES AND STANDARDS) WILL BE ADOPTED BY THE STATE OF FLORIDA ON DECEMBER 31, 2020.

***FREE ONLINE VIEWING OF THE FFPC IS AVAILABLE AT:
[HTTP://WWW.MYFLORIDACFO.COM/DIVISION/SFM/](http://www.myfloridacfo.com/division/sfm/)***



STATE FIRE MARSHAL

Safeguarding Floridians through Fire Prevention, Protection and Enforcement

DIVISION OF STATE FIRE MARSHAL

Search

Fire Prevention
Fire Standards and
Training

QUICK LINKS

- FCDICE
- Fire Service Certification
- Florida Fire Prevention Code
- Florida State Fire College
- Student Services
- Regulatory Licensing Info & Forms
- EPlans
- SFM Nomination Form

DIVISION DIRECTOR

Julius Halas

ASSISTANT DIVISION DIRECTOR

Melvin Stone

200 East Gaines Street,
Tallahassee, FL 32399-0322

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What We Do

The Florida State Fire Marshal is dedicated to protecting life, property and the environment from the devastation of fire. Our focus and efforts foster a fire safe environment through engineering, education and enforcement.

The Division is comprised of the Bureau of Fire Prevention and the Bureau of Fire Standards and Training.

Office of the Director

The Division of State Fire Marshal, Office of the Director, is located within the Department of Financial Services, where Jimmy Patronis serves as Florida's Chief Financial Officer and as Florida's State Fire Marshal.

[Emergency Preparedness & Response](#) [Fire Incident Reporting \(FFIRS\)](#)

[Notices and Events](#) [Organizational Charts](#)

[Statewide Emergency Response Plan](#) [Volunteer Firefighters](#)

[Meeting Minutes](#) [Domestic Security](#)

- Fire and Emergency Incident Information System Technical Advisory Panel
 - Firefighters Employment, Standards and Training Council
- [ESF 4 / ESF 9](#)



The Bureau of Fire Prevention will begin accepting fire alarm and fire sprinkler shop drawings via electronic plans effective November 1, 2018!

Bureau of Fire Prevention

The Bureau of Fire Prevention conducts fire/life safety inspections and construction plans review on all state-owned buildings; regulates the fireworks and the fire sprinkler industries, inspects and licenses boilers, and certifies fire suppression industry workers.

- [Boiler Safety](#)
- [Plans Review](#)
- [Florida Fire Prevention Code \(online\)](#)
- [Local Amendments](#)
- [Regulatory Licensing](#)
- [Inspections](#)
- [Mine Blasting Information](#)
- [Uniform Elevator Keys](#)

Bureau of Fire Standards and Training

The Bureau of Firefighter Standards and Training approves firefighter training curricula, offers fire service training at the Florida State Fire College and certifies that fire service members meet industry-based standards.

- [Certification and Testing](#)
- [Firefighter Safety](#)
- [633, F.S.](#)
- [Firefighter Cancer Study Videos](#)
- [Registration and Student Services](#)
- [Firefighter Training](#)
- [69A, F.A.C.](#)
- [NFA State Weekend Program Information and Registration](#)

DIVISION OF STATE FIRE MARSHAL

Search

Fire Prevention
Fire Standards and
Training

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Florida Fire Prevention Code (FFPC)

The Florida Fire Prevention Code is adopted by the State Fire Marshal at three year intervals as required by Chapter 633.202, Florida Statutes. This complex set of fire code provisions are enforced by the local fire official within each county, municipality, and special fire district in the state. The county, municipality or special district in which you reside may also have local amendments applicable only to your community.

If you have a specific question regarding the Florida Fire Prevention Code or how it affects a specific building, occupancy or place of residence, please contact your local fire official. You may access an online "Read Only" version of the Florida Fire Prevention Code by clicking on the link below.

6th Edition (2017) FFPC Online
(Effective date: December 31, 2017)

QUICK LINKS

- FCDICE
- Fire Service Certification
- Florida Fire Prevention Code
- Florida State Fire College
- Student Services
- Regulatory Licensing Info & Forms
- EPlans
- SFM Nomination Form

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Florida Specific Amendments for the 6th Edition

- NFPA 1
- NFPA 101
- Amendment to NFPA 1.50.7.2 (effective November 11, 2018)

Local Amendments to the Florida Fire Prevention Code

You may access any local amendment affecting your community by clicking on the "Local Amendments" link below. Local amendments are enforceable only by the local jurisdiction and may not be appealed to the State Fire Marshal.

- [Local Amendments](#)

The 6th Edition of the Florida Fire Prevention Code is now available for purchase by contacting:

BNI Building News
990 Park Center Drive, Ste E
Vista, CA 92081-8352
1.888.264.2665

or by using this link:

[Purchasing the 6th Edition of the FFPC \(2017\)](#)

Prior Editions of the Florida Fire Prevention Code may be accessed by using this link:

[Past Editions of the Florida Fire Prevention Code](#)

7th Edition Adoption Proceedings

The Department of Financial Services, Division of State Fire Marshal, announces that it is seeking written comments and proposals for Florida specific amendments to the editions of NFPA 1 (2018 edition) and NFPA 101 (2018 edition). The comment period ends July 1, 2019 at 5:00 pm. Written comments should be addressed to: Casia Sinco, Chief, Bureau of Fire Prevention, Department of Financial Services, Division of State Fire Marshal, 200 East Gaines Street, Tallahassee, Florida 32399-0340.

PROPOSAL TO THE 7TH EDITION OF FLORIDA FIRE PREVENTION CODE

Informal Interpretations of Florida Fire Prevention Code

Interested persons can seek and receive an informal non-binding opinion on requests involving questions related to the Florida Fire Prevention Code through the Florida Fire Marshal and Inspector Association.

- [Rule 69A-60.11 Non-Binding Interpretations of the Florida Fire Prevention Code](#)
- [Informal Interpretation Request Form](#)
- [Informal Interpretation Payment Form](#)
- [Informal Interpretation Archives](#)

To participate as a member of the Fire Code Interpretations Committee, print this form, complete the form, and return it to the State Fire Marshal. You may mail the form to Belinda Chukes at 200 East Gaines Street, Tallahassee, FL 32399-0342 or you may attach it to an e-mail to Belinda.Chukes@MyFloridaCFO.com. Member Application for Fire Code Interpretation Committee

FFPC OCCUPANCY CLASSIFICATIONS

*CH 11 SPECIAL STRUCTURES /
HIGH RISE*

CH 12/13 ASSEMBLY

CH 14/15 EDUCATION

CH 16/17 DAY CARE

CH 18/19 HEALTH CARE

*CH 20/21 AMBULATORY
HEALTH CARE*

*CH 22/23 DETENTION AND
CORRECTIONAL*

*CH 24 ONE- AND TWO-FAMILY
DWELLINGS*

*CH 26 LODGING AND ROOMING
HOUSES*

CH 27 RESERVED

*CH 28/29 HOTEL AND
DORMITORIES*

CH 30/31 APARTMENT BUILDINGS

CH 32/33 BOARD AND CARE

CH 34/35 RESERVED

CH 36/37 MERCANTILE

CH 38/39 BUSINESS

CH 40 INDUSTRIAL

CH 41 RESERVED

CH 42 STORAGE

*CH 43 BUILDING
REHABILITATION*

MULTIPLE / MIXED / SEPARATED

DEFINITIONS

- ***CODE: A STANDARD THAT IS AN EXTENSIVE COMPILATION OF PROVISIONS COVERING BROAD SUBJECT MATTER OR THAT IS SUITABLE FOR ADOPTION INTO LAW INDEPENDENTLY OF OTHER CODES AND STANDARDS.***
- ***SHALL: INDICATES A MANDATORY REQUIREMENT.***
- ***SHOULD: INDICATES A RECOMMENDATION OR THAT WHICH IS ADVISED BUT NOT REQUIRED.***
- ***MINIMUM FIRESAFETY STANDARD: MEANS A REQUIREMENT OR GROUP OF REQUIREMENTS... FOR THE PROTECTION OF LIFE AND PROPERTY FROM LOSS BY FIRE WHICH SHALL BE MET, AS A MINIMUM, BY EVERY OCCUPANCY, FACILITY, BUILDING, STRUCTURE, PREMISES, DEVICE, OR ACTIVITY TO WHICH IT APPLIES.***

FLORIDA ADMINISTRATIVE CODE 61G15-32

WHY?

- *TO DEFINE A LINE OF RESPONSIBILITY BETWEEN ENGINEERS AND CONTRACTORS*
- *PREVENT BAD BEHAVIOR*
 - *UNDER-SPECIFICATION “DESIGN PER 13”*
 - *OVER-SPECIFICATION WITHOUT RESPONSIBILITY*
 - *PLAN STAMPING*
 - *CONTRACTORS IN THE ENGINEERING BUSINESS*
- *TO PROTECT THE PUBLIC*

-Kowkabany

-Dewar

-Ognjenovic

ROLES

- ENGINEER:
 - Florida does not license engineers by discipline.
 - The engineer who specifies the fire protection system design parameters, a.k.a. the engineer of record for fire protection, must be a licensed PE in Florida.
 - A fire Protection Engineer (FPE) is an engineer who has successfully passed the PE exam in fire protection engineering.
 - In Florida, it is not necessary to be a FPE to do the fire protection design, only a PE competent by education, experience or knowledge in fire protection.
- CONTRACTOR:
 - Follow the engineering documents and all applicable codes in preparation of layout documents.
 - Apply for and obtain the required trade permit.
 - Install the system in accordance with the layout documents and all applicable codes.
 - Commission the system in accordance with the engineering documents and all applicable codes.
- AHJ:
 - Enforces the process.

FLORIDA BUILDING CODE

- 105.3.1.2 NO PERMIT MAY BE ISSUED FOR ANY BUILDING CONSTRUCTION, ERECTION, ALTERATION, MODIFICATION, REPAIR OR ADDITION UNLESS THE APPLICANT FOR SUCH PERMIT PROVIDES TO THE ENFORCING AGENCY WHICH ISSUES THE PERMIT ANY OF THE FOLLOWING DOCUMENTS WHICH APPLY TO THE CONSTRUCTION FOR WHICH THE PERMIT IS TO BE ISSUED AND WHICH SHALL BE PREPARED BY OR UNDER THE DIRECTION OF AN ENGINEER REGISTERED UNDER CHAPTER 471, FLORIDA STATUTES
 - 2. FIRE SPRINKLER DOCUMENTS FOR ANY NEW BUILDING OR ADDITION WHICH INCLUDES A FIRE SPRINKLER SYSTEM WHICH CONTAINS 50 OR MORE SPRINKLER HEADS.
 - 4. ...FIRE DETECTION AND ALARM SYSTEM WHICH COSTS MORE THAN \$5,000.

How Many Manual Fire Alarm Boxes Are Required - FFPC 6th Ed (Where a fire alarm is required)

Chapter new/existing	Occupancy Classification	How Many Manual Fire Alarm Boxes Are Required - FFPC 6th Ed (Where a fire alarm is required)			
		Approved complete automatic fire detection system per 9.6.2.1(2)	Approved complete automatic sprinkler system per 9.6.2.1(3)	No/limited automatic fire protection	
11	Special Structures / High Rise				
12/13	ASSEMBLY	1	1	*	
14/15	EDUCATION	*	*	*	See Alternative Protection System 14.3.4.2.3
16/17	DAY CARE				See 15.3.4.2.1 & Alternative Protection System 15.3.4.2.3
	Home	N/A	N/A	N/A	
	Facility	*	*	*	
18/19	HEALTH CARE	*	*	*	18.3.4.2.2 for more info about patient sleeping areas 19.3.4.2.2 for more info about patient sleeping areas
20/21	AMBULTORY HEALTH CARE	*	*	*	
22/23	DETENTION AND CORRECTIONAL	*	*	*	As modified by 22.3.4.2(1) & (2) As modified by 23.3.4.2(1) & (2)
24	ONE- AND TWO- FAMILY DWELLINGS	N/A	N/A	N/A	
26	LODGING OR ROOMING HOUSES		1	*	See 26.3.4.1.2
28/29	HOTEL AND DORMITORIES	*	*	*	See 28.3.4.2 for additional requirements See 29.3.4.2 for additional requirements
30/31	APARTMENT BUILDINGS	*	*	*	Each of the following means of initiation...28/29.3.4.2(1)-(4) Except buildings 4 or less stories & less then 16 units and automatic sprinklers Existing buildings also see options
32/33	BOARD AND CARE	*	*	*	Each of the following means of initiation...32/33.3.3.4.2 (1)-(4)
36/37	MERCANTILE				
	Class A	1	1	*	
	Mall buildings	N/A	1	N/A	
	Bulk Merchandising Retail	N/A	1	N/A	
38/39	BUSINESS	1	1	*	
40	INDUSTRIAL	1	1	*	
42	STORAGE	1	1	*	
	Special provisions for parking structures	1	1	*	

Additional devices may be provided at the request of the owner, the engineer, or a requirement from the insurance underwriter or the AHJ. Requirements above the minimum code are documented on the engineering documents.

NOTE:

All HVLS (High Volume Low Speed) Fans must be interlocked to shut down immediately upon receiving a waterflow signal from the alarm system in accordance with the requirements of NFPA 72. NFPA 13:11.1.7(4)



61G15-32.008(4)C

- STROBE INTENSITY AND SPEAKER OUTPUT RATINGS FOR ALL NOTIFICATION DEVICES.**

Table 18.5.4.3.1 (a) Room Spacing for Wall-Mounted Visible Appliances

Maximum Room Size		Minimum Required Light Output [Effective Intensity (cd)]		
		One Light per Room	Two Lights per Room (Located on Opposite Walls)	Four Lights per Room (One Light per Wall)
ft	m			
20 × 20	6.10 × 6.10	15	NA	NA
28 × 28	8.53 × 8.53	30	Unknown	NA
30 × 30	9.14 × 9.14	34	15	NA
40 × 40	12.2 × 12.2	60	30	15
45 × 45	13.7 × 13.7	75	Unknown	19
50 × 50	15.2 × 15.2	94	60	30
54 × 54	16.5 × 16.5	110	Unknown	30
55 × 55	16.8 × 16.8	115	Unknown	28
60 × 60	18.3 × 18.3	135	95	30
63 × 63	19.2 × 19.2	150	Unknown	37
68 × 68	20.7 × 20.7	177	Unknown	43
70 × 70	21.3 × 21.3	184	95	60
80 × 80	24.4 × 24.4	240	135	60
90 × 90	27.4 × 27.4	304	185	95
100 × 100	30.5 × 30.5	375	240	95
110 × 110	33.5 × 33.5	455	240	135
120 × 120	36.6 × 36.6	540	305	135
130 × 130	39.6 × 39.6	635	375	185

NA: Not allowable.

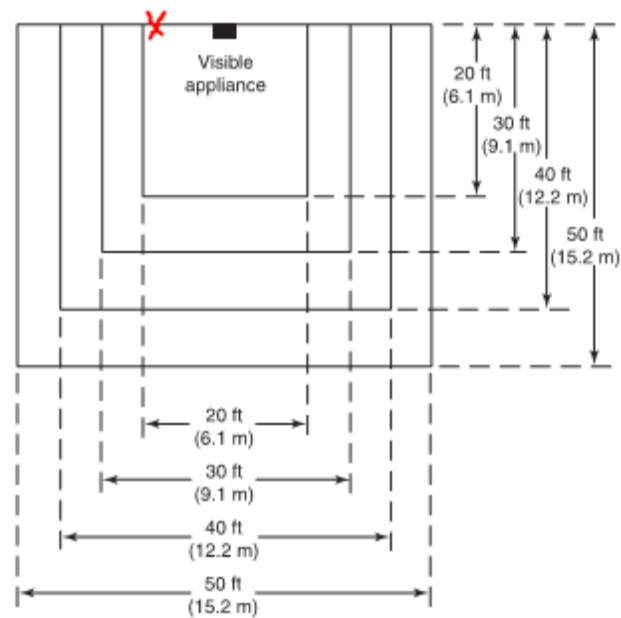


FIGURE 18.5.4.3.1 Room Spacing for Wall-Mounted Visible Appliances.

61G15-32.008(4)c VISUAL NOTIFICATION



- 75CD IN BATHROOM???
- CEILING HEIGHT
- DIFFERENT CD?

- $\sqrt{CD/0.0375}$

- **EXAMPLE**

- $15CD \div 0.0375 = 400$

- $\sqrt{400} = 20$

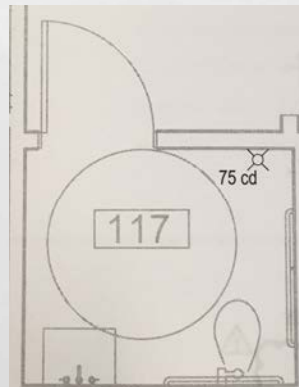


Table 18.5.5.4.1(b) Room Spacing for Ceiling-Mounted Visible Appliances

Maximum Room Size		Maximum Lens Height*		Minimum Required Light Output (Effective Intensity); One Light (cd)
ft	m	ft	m	
20 × 20	6.1 × 6.1	10	3.0	15
30 × 30	9.1 × 9.1	10	3.0	30
40 × 40	12.2 × 12.2	10	3.0	60
44 × 44	13.4 × 13.4	10	3.0	75
20 × 20	6.1 × 6.1	20	6.1	30
30 × 30	9.1 × 9.1	20	6.1	45
44 × 44	13.4 × 13.4	20	6.1	75
46 × 46	14.0 × 14.0	20	6.1	80
20 × 20	6.1 × 6.1	30	9.1	55
30 × 30	9.1 × 9.1	30	9.1	75
50 × 50	15.2 × 15.2	30	9.1	95
53 × 53	16.2 × 16.2	30	9.1	110
55 × 55	16.8 × 16.8	30	9.1	115
59 × 59	18.0 × 18.0	30	9.1	135
63 × 63	19.2 × 19.2	30	9.1	150
68 × 68	20.7 × 20.7	30	9.1	177
70 × 70	21.3 × 21.3	30	9.1	185

NOTIFICATION APPLIANCES SHALL NOT BE REQUIRED IN EXIT STAIR ENCLOSURES, EXIT PASSAGEWAYS, AND ELEVATOR CARS.

THERE COULD BE CONDITIONS THAT WARRANT THE INSTALLATION OF NOTIFICATION APPLIANCES IN EXIT PASSAGEWAYS, BUT CAREFUL ANALYSIS IS NECESSARY TO AVOID IMPEDING EXITING FROM THE BUILDING.

61G15-32.008(4)D

- *IDENTIFY THE CLASS AND (STYLE) SURVIVABILITY OF CIRCUITS AS LISTED IN THE NFPA 72.*

61G15-32.008 (4) (D)

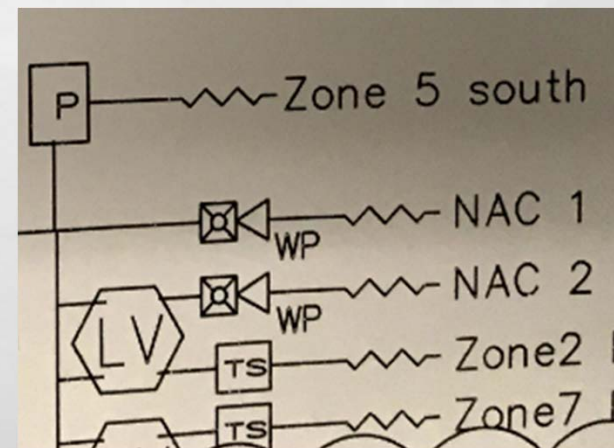
- *A, B, C, D, E, X (2016 ED -> CLASS N)*
- *PATHWAY (CIRCUIT) SURVIVABILITY IS NOW DEFINED AS LEVEL 0, 1, 2 AND 3. NFPA 72:12.4*



61G15-32.008(4)F

- **INDICATE WHETHER THE FIRE ALARM IS CONVENTIONAL OR ADDRESSABLE, AND INDICATE ALL ZONING.**
 - **TYPE OF SYSTEM: DEDICATED FUNCTION, COMPLETE FIRE ALARM WITH OR WITHOUT SMOKE DETECTION, VOICE EVAC, ETC.**

FIRE ALARM ZONE LEGEND	
Zone 1	- smoke detector above FACP
Zone 2	- PIV Tamper Switch (south bldg)
Zone 3	- water flow switch (South bldg)
Zone 4	- back flow tamper switch
Zone 5	- pull station (South bldg)



61G15-32.008(4)G

- *LOCATE SURGE PROTECTIVE DEVICES AND REQUIRED PROTECTIVE FEATURES ON THE FLOOR PLAN AND RISER.*

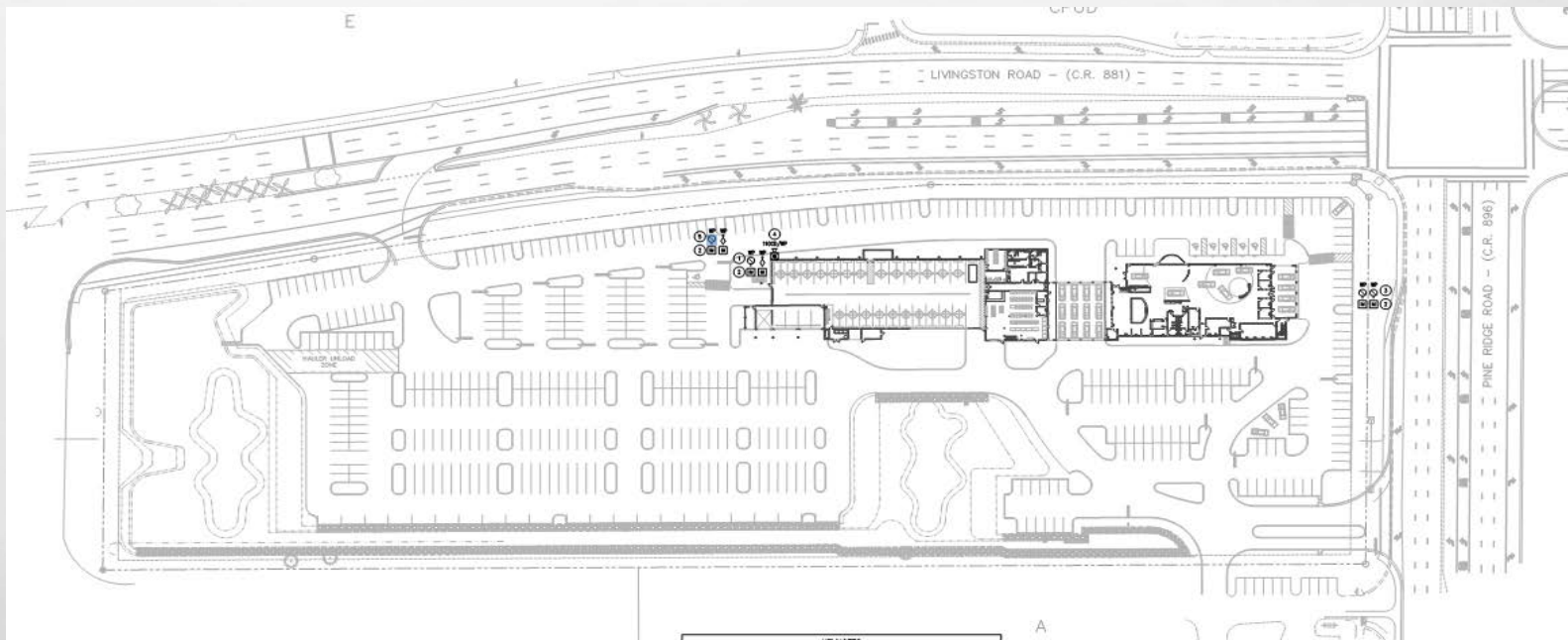


61G15-32.008(4)H

- *LOCATE SYSTEM DEVICES THAT ARE SUBJECT TO ENVIRONMENTAL FACTORS, AND INDICATE REQUIREMENTS FOR THE PROTECTION OF EQUIPMENT FROM TEMPERATURE, HUMIDITY OR CORROSIVE ATMOSPHERES, INCLUDING COASTAL SALT AIR.*

61G15-32.008(4)

- ***PROVIDE A SITE PLAN OF THE IMMEDIATE AREA AROUND THE PROTECTED BUILDING, STRUCTURE OR EQUIPMENT WHEN ALARM DEVICES ARE REQUIRED OUTSIDE THE STRUCTURE.***



61G15-32.008(4)J/K/L

- *(J) IN BUILDINGS WHERE SMOKE DETECTION WILL BE OBSTRUCTED OR UNDER A PITCHED ROOF.*
- *(K) WHERE SMOKE STRATIFICATION IS ANTICIPATED.*
- *(L) SYSTEMS DESIGNED USING PERFORMANCE BASED.*

- SEE ADDITIONAL REQUIREMENTS IN EACH SECTION

-ACKNOWLEDGE ON PLANS

61G15-32.008(4)M

- *THE SYSTEM DESIGN MUST INDICATE IF THE SYSTEM IS TO PROVIDE A GENERAL EVACUATION SIGNAL OR A ZONED EVACUATION FOR ALL HIGH-RISE BUILDINGS OR MULTI-TENANTED PROPERTIES AS DEFINED IN THE FLORIDA BUILDING CODE.*

61G15-32.008(4)N

- *WIRING REQUIREMENTS FOR UNDERGROUND, WET LOCATIONS, CAMPUS STYLE WIRING, PROTECTION AGAINST DAMAGE AND BURIAL DEPTH SHALL BE SPECIFIED OR INDICATED ON THE ENGINEERING DESIGN DOCUMENTS.*

61G15-32.008(4)0



Fire alarm contractor shall provide the...

- ***REQUIREMENTS FOR OPERATIONS AND MAINTENANCE PROCEDURES, MANUALS, SYSTEM DOCUMENTATION, AND INSTRUCTION OF OWNER'S OPERATING PERSONNEL, AS NEEDED TO OPERATE THE SYSTEMS AS INTENDED OVER TIME.***
- ***PROVIDE A "SYSTEM RECORD DOCUMENTS" BOX IN ACCORDANCE WITH NFPA 72 (2013) 7.7.2***

SLEEPING ROOMS

- *SLEEPING ROOMS REQUIRE A SOUND LEVEL OF AT LEAST 75 DBA AT THE PILLOW LEVEL AND TO HAVE A LOW FREQUENCY SQUARE WAVE OR EQUIVALENT 520 HZ +/- 10%. NFPA 72 (2010) 18.4.5.1 - 18.4.5.3*



61G15-32.008(4)5

- *IN THE EVENT THAT THE ENGINEER OF RECORD ELECTS TO SPECIFY SPECIFIC EQUIPMENT AND TO SHOW THE REQUIRED WIRING, BATTERY AND VOLTAGE DROP (CIRCUIT ANALYSIS) CALCULATIONS SHALL BE COMPLETED. THE CALCULATIONS SHALL BE COMPLETED USING THE EQUIPMENT MANUFACTURE'S DATA AND APPLICABLE NFPA 72 PROCEDURES.*

61G15-32.008(4)5

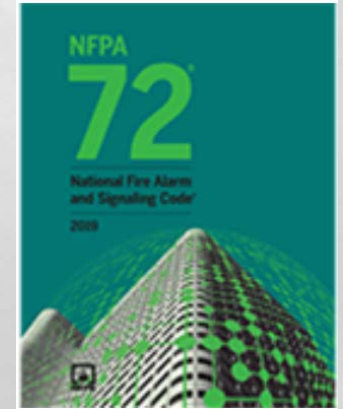
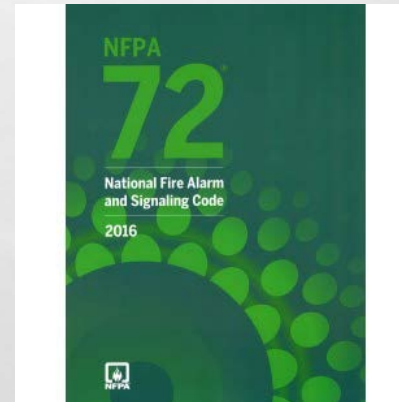
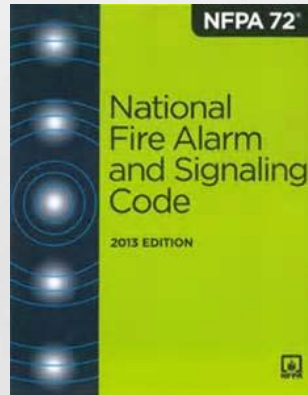
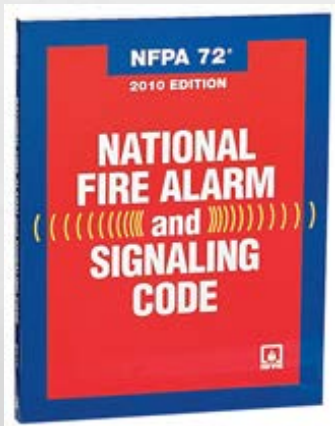
• SPECIFIC EQUIPMENT

3. DESIGN MAKE: SEE SYMBOL LEGEND (OR APPROVED EQUIVALENT).
- D. MANUAL STATIONS: SEE SYMBOL LEGEND (OR APPROVED EQUIVALENT).
- E. SMOKE DETECTORS (PHOTOELECTRIC):
 1. CEILING MOUNTED: SEE SYMBOL LEGEND (OR APPROVED EQUIVALENT).
 2. DUCT MOUNTED: SEE SYMBOL LEGEND (OR APPROVED EQUIVALENT) WITH SAMPLING TUBE, REMOTE TEST SWITCH AND POWER-ON LED.
- F. HEAT DETECTORS: SEE SYMBOL LEGEND (OR APPROVED EQUIVALENT), COMBINATION FIXED TEMPERATURE/RATE-OF-RISE.
- G. WATERFLOW SWITCHES/OSY TAMPER SWITCH: SEE SYMBOL LEGEND (OR APPROVED EQUIVALENT), COORDINATE WITH SPRINKLER SYSTEM SUPPLIER.
- H. AUDIO/VISUAL ALARM INDICATING APPLIANCES: SEE SYMBOL LEGEND (OR APPROVED EQUIVALENT). PROVIDE WALL MOUNT OR CEILING MOUNT AS INDICATED. MEET THE FOLLOWING "ADA" REQUIREMENTS:

FIRE ALARM SYMBOLS			
SYMBOL	DESCRIPTION	MANUFACTURER	PART NUMBER
①	HEAT DETECTOR	EST	SIGA2-HRS HEAD
		EST	SIGA-SB4 BASE
① WP	HEAT DETECTOR - WP	EST	302-ET-135 HEAD
		EST	STONCO27 BACKBOX AND COVER
②	SMOKE DETECTOR	EST	SIGA2-PS HEAD
		EST	SIGA-SB4 BASE
②	DUCT DETECTOR	EST	SIGA-DH HOUSING
		EST	SIGA-PS HEAD
		EST	SIGA-SB BASE
		EST	6261-003 SAMPLING TUBE
②	HORN / STROBE	EST	GIF-HDVM WHITE
		EST	GRF-HDVM RED
②	HORN / STROBE - CLG	EST	GC-HDVM WHITE
		EST	OCR-HDVM RED

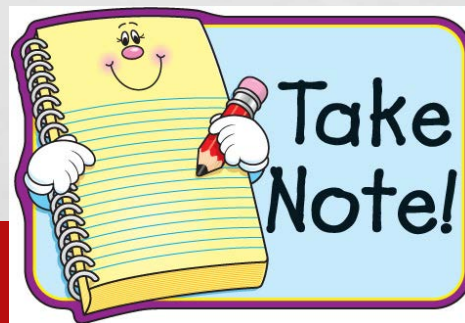
61G15-32.008(4)6

- *SYSTEM TEST REQUIREMENTS SHALL COMPLY WITH THE CURRENT EDITION OF NFPA 72.*



61G15-32.008(4)7

- *WHEN THE ENGINEER DETERMINES THAT SPECIAL REQUIREMENTS ARE REQUIRED BY THE OWNER, INSURANCE UNDERWRITER OR LOCAL FIRE CODE AMENDMENTS THESE REQUIREMENTS SHALL BE DOCUMENTED OR REFERENCED ON THE ENGINEERING DESIGN DOCUMENTS.*



61G15-32.008(4)7

- *ANYTHING ABOVE AND BEYOND THE MINIMUM CODE SHALL BE SPECIFICALLY NOTED ON THE PLANS AND WHO IS REQUIRING THIS TO BE ADDED TO THE SYSTEM.*
 - *EXAMPLE: A SINGLE MANUAL PULL STATION IS REQUIRED BY CODE, THE OWNER IS REQUIRING A MANUAL PULL STATION AT EACH EXIT.*
 - *EXAMPLE: A SMALL STRIP MALL WITH A COMPLETE AUTOMATIC FIRE SPRINKLER SYSTEM IS INSTALLING A COMPLETE FIRE ALARM SYSTEM THAT IS NOT REQUIRED BY CODE BUT IS REQUIRED BY THE INSURANCE COMPANY UNDERWRITER.*

61G15-32.008(4)7

NOTE ON PLAN

- **AHJ REQUIREMENTS:**
 - **AN EXTERIOR WEATHERPROOF AUDIO VISUAL DEVICE IS REQUIRED PER COLLIER COUNTY FIRE PREVENTION AND PROTECTION CODE POLICY AND PROCEDURE ARTICLE FAL 01-1.**
 - **DUCT SMOKE DETECTORS THAT ARE NOT PART OF A SMOKE-CONTROL SYSTEM AND USED SOLELY FOR CLOSING DAMPERS FOR HVAC SYSTEMS SHALL NOT ACTIVATE THE BUILDING EVACUATION ALARM. INSTEAD, THEY SHALL INITIATE A SUPERVISORY SIGNAL ONLY. COLLIER COUNTY FIRE PREVENTION AND PROTECTION CODE POLICY AND PROCEDURE ARTICLE FAL 02-2 WWW.CCFDIN.COM**
 - **ALL ABOVEGROUND VALVES OR PIV'S THAT CONTROL WATER EXCLUSIVELY SUPPLYING A FIRE SPRINKLER SYSTEM SHALL BE ELECTRICALLY MONITORED. COLLIER COUNTY FIRE PREVENTION AND PROTECTION CODE POLICY AND PROCEDURE ARTICLE NUMBER COD 00-1.**
 - **A PERMIT FOR FIRE ALARM MONITORING IS REQUIRED PRIOR TO ISSUANCE OF THE FIRE ALARM PERMIT. ***
 - **OTHER - SEE NCFR POLICY AND PROCEDURE MANUAL.**

- **NORTH COLLIER FIRE AHJ REQUIREMENTS:**
 - **A BUILDING WITH A DEDICATED FUNCTION FIRE SPRINKLER MONITORING SYSTEM: THE PULL STATION SHOULD BE LOCATED ON THE EXTERIOR OF THE BUILDING BELOW THE WEATHERPROOF A/V IN AN AREA THAT IS ACCESSIBLE TO OCCUPANTS OF THE BUILDING.**
 - **A BUILDING WITH A FIRE ALARM SYSTEM WHERE ONLY 1 MANUAL PULL STATION IS REQUIRED: THE PULL STATION SHOULD BE LOCATED IN THE INTERIOR OR THE BUILDING WITHIN 5' OF THE MAIN ENTRANCE/EXIT.**

PHASE PERMITS



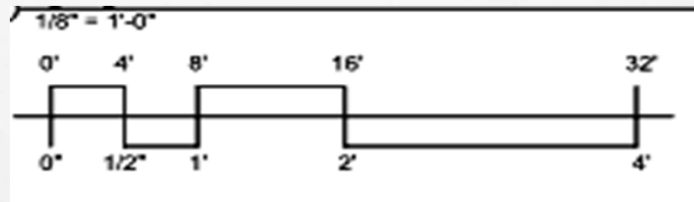
**Provide 61G Fire Alarm Documents for ALL Phases
Consider setting up a meeting to discuss the
project prior to submittal.**

SHOP DRAWINGS

- *F.S. 633.322(2)..._A MUNICIPALITY, COUNTY, OR SPECIAL DISTRICT MAY NOT REQUIRE A FIRE PROTECTION SYSTEM CONTRACTOR'S SHOP DRAWINGS TO BE SEALED BY A PROFESSIONAL ENGINEER.*

ELECTRONIC PLAN REVIEW

- **PROVIDE DIMENSION LINE SO THE SCALE CAN BE SET.**



- **61G PLANS UPLOADED INTO A SEPARATE FOLDER “FIRE ALARM ENGINEERING”**

Submittal Requirements

Add a Requirement

Item	Priority	Status	Verified?	Date Verified
Water & Sewer availability letter		Deferred	✓	04/15/2019
Survey		Deferred	✓	04/15/2019
Notice of Commencement		Deferred	✓	04/15/2019
Simultaneous Site Plan		Deferred	✓	04/15/2019
Fire Alarm Engineering		Received	✓	04/15/2019
Construction Plans		Received	✓	04/15/2019
Energy Calculations		Deferred	✓	04/15/2019
FEMA 50% documents		Deferred	✓	04/15/2019
Product Approvals/NOAs		Received	✓	04/15/2019
Site Development Plan/Site Improvement Plan		Deferred	✓	04/15/2019
Corrections Response Letter		Received	✓	04/15/2019

VOICE EVAC SYSTEMS

- *NFPA 72 REQUIRES SYSTEM DESIGNERS TO DETERMINE THE VOICE INTELLIGIBILITY DURING THE PLANNING AND DESIGN PHASE. EACH ACOUSTICALLY DISTINGUISHABLE SPACE (ADS) SHALL BE IDENTIFIED AS REQUIRING OR NOT REQUIRING VOICE INTELLIGIBILITY.*

ACOUSTICALLY DISTINGUISHABLE SPACES

ROOM #	USE/NAME	AVG AMB SPL	60 SEC SPL	PROVIDED SPL IN ALARM	ADS INTELL
101	LOBBY	55	0	70+	YES
STAIR #1	STAIR	N/A	N/A	N/A	N/A

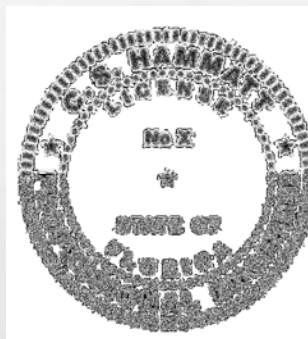
Identify voice intelligibility in accordance with NFPA 72 (2010) 18.4.10-18.4.10.3.

* ADS – ACOUSTICALLY DISTINGUISHABLE SPACES

* SPL – SOUND PRESSURE LEVEL

SIGNED & SEALED

- **PLANS SHALL BE SIGNED AND SEALED**



This item has been digitally signed and sealed by [Licensee, PE] on [DATE] using a Digital Signature.

Printed copies of this document are not considered signed and sealed and the *SHA* authentication code must be verified on any electronic copies.

Engineers shall legibly indicate their name and business address on Engineering Documents.

61G15-30.003 (2)

MULTIPLE ENGINEERS ON 1 PLAN



CHANGE OF ENGINEER

- ***61G15-27.001 PROCEDURES FOR A SUCCESSOR PROFESSIONAL ENGINEER ADOPTING AS HIS OWN THE WORK OF ANOTHER ENGINEER.***



Florida Building Code 5th Edition (2014) Bulletin #5: Change of Design Professional

Date: June 30, 2015
Effective Date: June 30, 2015
Amended:
To: All Staff
From: Jonathan Walsh
Chief Building Official

Subject: Change of Engineer/ Architect requirements

In conjunction with State Statutes (F.S. 471, 481) and the Florida Administrative code (61G1, 61G15) the following procedure will be required when a permit is in need of a change for the associated design professional (i.e. engineer or architect) of record.

Permits applied for and under review:

1. Owner's acknowledgement of change and/ or letter of removing original professionals' service.
2. Documentation indicating that the original professional has been informed by means of certified mail (green card), written response or approved equivalent (i.e. tracking information from FedEx, UPS).
3. Signed and sealed acknowledgement from successor design professional that they take full responsibility for the drawings submitted and on file as their own or provide a complete new set of drawings.
4. This will be processed as a correction in which all trades will review documents again.

Permits issued:

1. Owner's acknowledgement of change and/ or letter of removing original professionals' service.
2. Documentation indicating that the original professional has been informed by means of certified mail (green card), written response or approved equivalent (i.e. tracking information from FedEx, UPS).
3. Signed and sealed acknowledgement from successor design professional that they take full responsibility for the drawings submitted and on file as their own or provide a complete new set of drawings.
4. A revision will be required in which all trades will review documents again.

