

FIRE ALARM PERMIT APPLICATION

FOR OFFICE USE ONLY	INSTRUCTIONS: Submittals shall include the Attached Fire Alarm System
Permit No File No	Checklist. Application must be typed or printed in ink. Submit original application signed and notarized. Attach (2) two sets of hardcopy plans, specs, product approvals and calcs. For further assistance call 954.766.2717

1. BC Proj. Mgr:	Mobile: ()	-	Email:					
2. BC Project No.:									
3. Campus: North Central South DTC Cypress Coral Springs Miramar									
Other:									
4. Building No. / Location:									
5. Proposed Work: New Addition Alter Maint. Demolition Other									
Scope of Work:									
6. Est. Cost \$ Est. Duratio	on Day	/S	Es	t. Sq Ft.					
7. Contracting Firm:									
Address:									
Qualifier Name:									
License No.:	Phone:								
8. Architect / Engineer:									
Address:									
Qualifier Name:									
License No.:	Phone:								
9. Present Occupancy									
10. Proposed Occupancy									

This application is hereby made to obtain a permit to do the work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work will be performed to meet the standards of all laws regulating construction in this jurisdiction. I understand that a separate permit must be secured for ELECTRICAL WORK, PLUMBING, SIGNS, WELLS, POOLS, ROOFS, FURNACES, BOILERS, HEATERS, TANKS, AND AIR CONDITIONERS, etc...

OWNER/CONTRACTOR AFFIDAVIT: I certify that all the foregoing information is accurate and that all work will be done in compliance with all applicable laws regulating construction and zoning.

"NOTICE: In addition to the requirements of this permit, there may be additional restrictions applicable to this property that may be found in the public records of this county, and there may be additional permits required from other governmental entities such as water management districts, state agencies or federal agencies."

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

11. Owner (or Project Manager):	Contractor Qualifier:					
Print Name of Owner (or PM)	Print Name of Contractor					
Date:	Date:					
Owner or Program Manager Signature	Contractor (Qualifier) Signature					
STATE of FLORIDA, COUNTY of Sworn to and subscribed before me this day of , 20, by	STATE of FLORIDA, COUNTY of Sworn to and subscribed before me this day of, 20, by					
Notary Signature	Notary Signature					
(SEAL)	(SEAL)					
Personally known OR produced identification	Personally known OR produced identification					
Building Code Adm	inistration Use Only					
BCAD Approval Signatures:						
Recommended for Approval:	Date:					
Application Approved by:	Date:					

Fire Alarm System Checklist for Plan and Submittal Review

The following <u>is intended to assist</u> the engineer and or installing contractor in designing and submitting for review - a "code compliant" - fire alarm system. This document in no way details all of the requirements that may be necessary for a complete code compliant system.

Note: Systems shall be designed in accordance with the codes adopted in State Fire Marshal Rule 4A-3 and specifically, NFPA 101 and NFPA 72.

□YES □NO	1.	Is the project name identified on the drawing?
□YES □NO	2.	Is the project address/campus identified on the drawing?
□YES □NO	3.	The job is <u>valued under</u> \$5000.00 and bears no engineer seal. As such, a copy of the signed contract or a notarized affidavit from the installing contractor (deemed as acceptable proof) is required.
□YES □NO	4.	The job <u>value exceeds</u> \$5,000.00 . As such, a Florida Registered Professional Engineer must seal shop drawings, or provide a set of sealed-engineered documents that parallel the shop drawings (FBC 104.4.1.3 (5) and s. 471.025 FS; each sheet of plans and prints which must be sealed under the provisions of Chapter 471 FS shall be sealed, signed and dated by the professional engineer in charge in accordance with Rule 61G15-23.002 (2) F.A.C.
□YES □NO	5.	What type of license does the qualifier hold as required by the State of Florida? EC EF EH EY License #: Expiration Date
	6	Occupancy type(s): Class (if applicable):
	0.	ASSEMBLY in particular
		Occupant Load: (show occupant load calculation breakdown)
□YES □NO □N/A	7.	Occupant Load: (show occupant load calculation breakdown) Is a <u>comprehensive</u> "Scope of Work" statement provided (FAC 61G-15-32. 003)?
		calculation breakdown) Is a <u>comprehensive</u> "Scope of Work" statement provided (FAC 61G-15-32.
	8.	calculation breakdown) Is a <u>comprehensive</u> "Scope of Work" statement provided (FAC 61G-15-32. 003)? In an <u>addressable</u> system, is the number of devices shown in the
□YES □NO □N/A	8.	 calculation breakdown) Is a <u>comprehensive</u> "Scope of Work" statement provided (FAC 61G-15-32. 003)? In an <u>addressable</u> system, is the number of devices shown in the submittal/drawings? In a <u>non-addressable</u> system, is the number of zones shown in the
□YES □NO □N/A □YES □NO	8.	calculation breakdown) Is a <u>comprehensive</u> "Scope of Work" statement provided (FAC 61G-15-32. 003)? In an <u>addressable</u> system, is the number of devices shown in the submittal/drawings? In a <u>non-addressable</u> system, is the number of zones shown in the submittal/drawings?
□YES □NO □N/A	8. 9.	<pre>calculation breakdown) Is a <u>comprehensive</u> "Scope of Work" statement provided (FAC 61G-15-32. 003)? In an <u>addressable</u> system, is the number of devices shown in the submittal/drawings? In a <u>non-addressable</u> system, is the number of zones shown in the submittal/drawings? A) Number of Stories?Height?</pre>
□YES □NO □N/A □YES □NO	8. 9. 10.	<pre>calculation breakdown) Is a <u>comprehensive</u> "Scope of Work" statement provided (FAC 61G-15-32. 003)? In an <u>addressable</u> system, is the number of devices shown in the submittal/drawings? In a <u>non-addressable</u> system, is the number of zones shown in the submittal/drawings? A) Number of Stories?Height? B) Sq. Ft.? (Per floor and building total).</pre>

Calvin, Giordand	Submit this Checklist with Fire AlarmSubmit this Checklist with Fire AlarmPermit Application and Plan submittals.
	13. Is "Emergency Forces Notification" or "sprinkler supervision" provided?
YES NO N/A	14. Is Off-site monitoring provided and is the name of the monitoring station identified?
	15. What is the method of communication to the monitoring station?
YES NO	16. Are two (2) phone lines connected to dialer?
	If a long distance telephone service (including WA TS) is used, are there two different long distance service providers?
□YES □NO □N/A	17. If radio system is used does it transmit over 2 "independent" channels?
□YES □NO	18. Are ALL components "compatible" and "listed" for fire service? (<u>All</u> devices shall be compatible and shall be listed for fire service use by a nationally Recognized Testing Laboratory - NFPA 72 1-5.3). Has verification of compatibility between components and panel been provided?
□YES □NO	19. Are devices "listed" for "conditions", i.e., voltage, temperature and humidity? NFPA 72 1-5.5.1, 1-5.5.2.4
YES NO	20. Are ALL device and component model #s and quantities of each, specified on the plan?
□YES □NO	21. Are floor plans drawn to scale? (118"scale is preferred)
□YES □NO	22. Have Standardized NFPA 170 Symbols been utilized?
□YES □NO	23. Have all required EXITS been indicated on the Floor Plans?
YES NO	24. Is each device, appliance, and component indicated and numbered on the floor plan?
□YES □NO	25. Are Emergency Control Functions indicated on floor plans and riser and have they been detailed in the Sequence of Operations? (Door release, smoke control, or stair pressurization , etc.)
□YES □NO	26. Are the appropriate existing , new , replaced or relocated devices <u>delineated/clouded</u> ?
□YES □NO	27. Are ALL rooms & spaces labeled clearly on floor plans, w/ <u>occupant loads</u> <u>clearly indicated for any Assembly Occupancies</u> ?
□YES □NO	28. Are ceilings higher than 10' & not smooth or flat indicated on plans?
□YES □NO	29. Is the Riser Diagram provided showing each floor and zone of all devices?
YES NO	30. Are all Notification Appliance Circuits (NACs), Initiating Device Circuits (IDCs) & Signaling Line Circuits (SLCs) including appropriate EOLs. <u>clearly labeled & shown & are congruent</u> on the Riser & Floor plans?
□YES □NO	31. Is the "Sequence of Operation" specified on the plan, or with the submittal?
□YES □NO	32. Are ALL wire sizes, types, number of, and conduit sizes and type , listed on the riser diagram (and Floor Plan when appropriate)?

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□YES □NO □N/A	33. Is the system zoned ?
□YES □NO □N/A	(By floor, smoke zone, sprinkler zone, (size < 15,000 sq. ft. ?)
□YES □NO	34. Is a class/style shown on the drawings for all initiating , notification , and signaling line circuits? NFPA 72 3-4.2
□YES □NO	35. Are battery calculations detailed in a " chart format " for EACH <u>battery back-up power supply. in the system</u> ? This shall include remotely located control equipment such as control units, circuit interfaces, and other equipment essential to system operation. NFPA 72 1-5.2.8.1
YES NO	36. Is the Fire Alarm System and other power supplies on a dedicated circuit ? NFPA 72 1-5.2.5.2
YES NO	37. Is the <u>appropriate breaker</u> LOCKED OPEN and MARKED per code (<u>Labeled</u> <u>at all panels locations</u>)? NFPA 72 15.2.5.2
YES NO N/A	38. A) Is FACP or a remote annunciator located at the main entrance ? NFPA 72 1-5.7.1.1
□YES □NO □N/A	B) If the FACP is <u>not then</u> is a durable sign at the main entrance indicating its location ?
□YES □NO □N/A	39. Is the Trouble "Buzzer" or Sonalert located in an area likely to be heard?
YES NO N/A	40. If the control panel is located in a space that is not occupied 24 hours per day, is it protected with smoke detection ? (This includes all FACPs, Annunciators with control, and power supplies/extenders that control system functions) NFPA 72 1-5.7.1.1
□YES □NO □N/A	41. Are sub panels that are located in unoccupied areas protected with smoke detection? NFPA 72 1-5.7.1.1
YES NO N/A	42. Are relays for control devices located within 3' of the controlled circuit or appliance and is the installation wiring between the fire alarm control unit and the relay or other appliance monitored for integrity or fail-safe? NFPA 72 3-9.2.1
□YES □NO	43. Is there at least one (1) Pull Station on each floor or at least one per system? Are manual pull-stations located within 5' of each exit opening on each floor? NFPA 72 2-8.2.2
YES NO	44. Is the horizontal distance that needs to be traversed on the same floor to reach a manual pull station <200? NFPA 72 28.2.4, NFPA 101 9-6.2.4
YES NO	45. Is there at least one (1) pull station for each fire alarm system using automatic fire detection or waterflow detection devices? NPFA 101 9-6.2.5
YES NO N/A	46. Does <u>each</u> . Horn / Strobe device have its Candela rating <u>listed on the</u> <u>floor</u> plan, adjacent to each device?
YES NO N/A	47. Is <u>each</u> Strobe adequate for the area covered, and located per NFPA 72 requirements (see also the Appendix section)?
□YES □NO □N/A	48. In RESIDENTIAL occupancies, are the required HANDICAPPED rooms and their bathrooms properly covered? ("WP" strobes in bathrooms, proper

			Candela ratings, and proper locations in the Sleeping areas)
□YES	□NO	□N/A	49. In bathrooms <u>accessible to the Public</u> , are proper AN device(s) installed? <u>If</u> <u>stalls constitute individual rooms, is a Visual device inside each stall</u> ? If Showers and/ or Saunas are present are " WP " devices installed?
☐YES	□NO	□N/A	50. Are Horn/ Strobes placed no more than 100' apart in corridors and within 15' from end of the corridor (including jogs in corridors and changes in elevations and within 15 foot of corridor doors which close)? NFPA 72 4-4.4.2.2
YES	□NO		51. Are any devices obstructed (racks, shelves, furnishings, equipment, etc.)?
YES	□NO	□N/A	52. Are Horn/Speaker Strobes located no less than every 3 floors in stairwells? NFPA 72 3-8.4.1.3.5.6.4
YES	□NO	□N/A	53. Will Horns/ Speakers provide a min. of 15dbA above ambient noise levels or 5dbA above peak levels >60 sec? (in Public Mode) NFPA 72 4-3.4
□YES	□NO	□N/A	54. With respect to sleeping areas, will Horns/Speakers provide a minimum of 70 DBA in the <u>occupiable areas measured at the pillow level</u> ? NFPA 72 4- 3.4
□YES	□NO	□N/A	55. Is the <u>audible level</u> a min . of 85dbA in all mechanical rooms NFPA 72 4- 3.1.4 ((not to exceed 120dB per NFPA 72 4-3.1.2))?
□YES	□NO	□N/A	56. Is there at least 1 listed "WP" Audio/ Visual device, located both facing the street to which arriving Fire Apparatus will arrive and at the end of the building closest to the Fire Sprinkler Riser (if the building is Fire Sprinklered)?
□YES	□NO	□N/A	57. Are Spot Type Smoke Detectors (S/D's) located <u>on smooth ceilings on</u> <u>30'centers or within 21' (.7) to any point</u> ? NFPA 72 23.4.5.1.2
□YES	□NO	□N/A	58. Are S/D's that are located <u>on solid joists or beams</u> placed per NFPA 72 2- 3.4.6?
YES	□NO	□N/A	59. Are S/D's on peaked or sloped ceiling located per NFPA 72 2-3.4.6.2?
□YES	□NO	□N/A	60. Are S/D's located> 3' away from A/C diffusers, kitchen and bathroom doors ? NFPA 72 2-3.5.1
YES	□NO	□N/A	61. Are S/D's placed in a proper position under raised floors ? NFPA 72 2- 3.4.9
□YES	□NO	□N/A	62. Is S/D or H/D spacing reduced for partitions extending to within 18" of ceilings, and is the CEILING HEIGHT been indicated, on which the detectors are to be installed? NFPA 72 2-3.4.10.
□YES	□NO	□N/A	Is there a possibility of smoke stratification in high ceilings (designer may need to select a more sophisticated type of detector)? NFPA 72 2-3.6.1.4
□YES	□NO	□N/A	63. Are Projected Beam Type S/D's spaced/installed per mfr. specs? NFPA 72 2-3.4.4 and 2-3.6.3
YES	□NO	□N/A	64. Are Duct Smoke Detectors installed in the supply of all HVAC Systems >2000 cfm ((FBC 606.2.1 & NFPA 90A 4-4.2))?

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	65. Are duct smoke detectors installed at each story where return air and supply air risers serve two or more stories and are part of a return air and supply air system having a design capacity greater than 15,000 cfm? ((FBC 606.2.3 and NFPA 90A 4.4.2))?
□YES □NO □N/A	66. Are Duct Smoke Detectors <u>rated for</u> the air velocities and conditions (temp. / humidity) in which they are installed?
	67. Are Smoke Detectors installed within 10' of the door to any smoke proof enclosure ((NFPA 101 72.3.10.1))?
YES NO N/A	68. Is H/D spacing reduced on solid joist or beam construction > 4" and properly placed? Has a detailed sketch been submitted? NFPA 72 2-2.4.2 and 2-2.4.3
	69. Is H/D spacing reduced on high ceilings per NFPA 72 22.4.5.1 and Table 2-2.4.5.1?
	70. Are there H/D's on peaked or sloped ceilings per NFPA? NFPA 72 2-2.4.4.1 and 2-2.4.4.2
	71. Is the Fire Pump monitored for run, phase reversal & power failure ? NFPA 72 3-8.3.3.2
	72. Is the Generator monitored according to NFPA 110? (note class or type) NFPA 72 1-5.2.10.1 and 1-5.8.1
□YES □NO	73. Is the Elevator Recall detectors connected to the fire alarm system as required by NFPA 72 3-9.3
YES NO N/A	Are heat detectors used to shutdown elevator power? If so, the interconnecting conductor or equivalent path shall be monitored for integrity. NFPA 72 3-9.3
	74. Are F/A panels interconnected in accord with NFPA 72 3-8.1?
	75. Are all sprinkler systems connected to the F/A system NFPA 723-8.3.2.4?
YES NO N/A	76. Are all other type Suppression systems connected to the fire alarm system (FM-200, Halon system, Hood system, Pre-action system etc.)? NFPA 72 3-8.3.2.5.2
YES NO N/A	77. Is the control circuit used to shut down elevator power monitored for presence of operating voltage? Loss of this voltage shall indicate a supervisory signal at the control unit and remote annunciators. NFPA 72 3-9.4.4.

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	Remote Proprietary Auxiliary
□YES □NO □N/A	83. Does the Proprietary or Local systems have the required battery size (24 hr. standby and 5 alarm)?
YES NO N/A	84. Does the Central Station system have the required battery size (24 hr. standby and 5 alarm)?
□YES □NO □N/A	85. Does the Remote Station system have the required battery size (60 hr. standby and 5 alarm)?
□YES □NO □N/A	86. Does the Emergency Voice EVAC System have the required battery size ((when general evacuation is used, the battery standby requirements must match the fire alarm system type used in the building (24 hours or 60 hours standby) and the alarm must sound for not less than 5 minutes)) NFPA 72 38.4.1.3.4.2 ((when partial evacuation or relocation of occupants is used, 15 minutes of alarm is required NFPA 72 1-5.2.6)) NOTE: ALL other battery backups for other panels, power supplies or other equipment essential to system operation, shall meet the same requirements as those of 1-5.2.1 through 1-5.2.8 and 1-5.8.6).
□YES □NO □N/A	87. Does the facility have a compliant emergency Generator providing back-up power to the fire alarm system ? (<u>Still Requires a min. of 4 hours standby</u> and 5 minutes of alarm for battery back-up) NFPA 72 1-5.2.6 (b)
YES NO	88. For Local Alarms Only; Is the Manual pull station information plate <u>installed</u> <u>at each</u> pull station stating: "Local Alarm Only - Dial 911"?
□YES □NO □N/A	89. Are the interior evacuation devices <u>activated by operation of the sprinkler</u> <u>flow switches</u> and/or <u>any other suppression system</u> ((Florida Building Code 903.9.3 and 905.1.5.3, NFPA 101 303.4.2.2, 31-3.4.2.2, 12-3.4.2.1 exception #2, and 13-3.4.2.1 exception #2))?
□YES □NO	90. Do the sprinkler valve tamper switches cause an audible, visual and supervisory indication at the annunciator panel only? (Valve tamper shall not cause door closers, chimes, bells or alarms to operate (NFPA 72 3-8.3.3.2)
□YES □NO	91. Are the sprinkler systems supervised in accordance with the 2004 edition of the Florida Building Code Section 903.9.3?
□YES □NO	Are all waterflow alarms non-silenceable while water is flowing?
YES NO	92. Is all fire alarm equipment installed in locations that do not exceed the voltage, temperature or humidity limits ((NFPA 72 1-5.5.1))?
□YES □NO	93. Is the Control Equipment mounted in air-conditioned , temperature controlled spaces ? <u>Are details submitted on the plans</u> ? ((NFPA 72 1-5.5.2.4))
□YES □NO	94. Are all Audible Devices / Circuits programmed in the "Temporal Code of Three" pattern? (NOTE: <u>NOT Required</u> if the intent <u>is to relocate</u> persons to another area, <u>and not to evacuate</u> the building) ((NFPA 72 3-8.4.1.2 and NFPA 101 9-6.3.5))

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Submit this Checklist with Fire Alarm Permit Application and Plan submittals.

□YES □NO	95. Has the systems been designed to comply with ADA and the Florida Accessibility for Construction. If more than two visual devices can be seen in 135° field of view, and within 55', are the circuits "synched"? NFPA 72 (4-4 and A-4.4.4.1.1(3))
YES NO	96. Is all wiring that is located in wet or damp locations, listed for this use (Wet & Direct Burial) & Cut Sheets included?
YES NO	97. Is the depth <u>and</u> installation method of the U/G burial cable, <u>indicated on</u> the drawings?
YES NO	98. Is the wiring installation method - <u>indicated on</u> the drawings (free wired, wire mold, conduit, etc.)? Is the method per MDC Standars?
□YES □NO	99. Are the locations of ALL required. Surge Suppressors indicated on both the Riser and Floor Plans, and are ALL Cut Sheets included in submittal (120 Power supplies; both telephone lines; all wiring which enters and/or leaves the building; any wiring which could introduce current from a "Lightning Strike" into the F/A system)?
□YES □NO	100. Are ALL submittals congruent with one another? Cut sheets, Bill of Materials List, Floor Plans, Riser Diagram, etc.? <u>Thorough and</u> <u>Comprehensive</u> in nature and in scope? <u>Neatly and Professionally</u> <u>packaged</u> ?
□YES □NO	 Has the fire alarm system been designed to comply with the ADA and the Florida Accessibility Code? (2004 edition Florida Building Code 905.1.5.2, 905.1.5.5 and 11-4.28; CABO/ANSI A117.1)
□YES □NO	Florida Accessibility Code? (2004 edition Florida Building Code 905.1.5.2,

I hereby attest that, to the best of my knowledge, the aforementioned checklist information and the battery calculation(s) are accurate and adequate for the monitoring system being submitted.

				Date:				
Applicant Signat	ure	State Registration Number						
Applicant Name	(print)	Ар	plicant Company					
Address	City	State	Zip Code Telephone	Facsimile Number				