FIRE ALARM ACCEPTANCE TEST PROCEDURES







Introduction

This manual is designed to provide you, the contractor, owner or design professional with a step-by-step guide to our process, beginning with plan submission and ending with the final approval signature.

Additional copies of this publication may be obtained from:

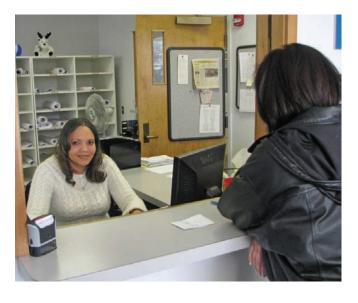
City of Columbus Department of Building and Zoning Services 757 Carolyn Avenue Columbus, Ohio 43224

On-line at: www.bzs.columbus.gov



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STEP 1: Fire Alarm Contractor Registration and Plan Submission

All fire alarm contractors must be licensed with the state of Ohio and registered with the City of Columbus Department of Building and Zoning Services (BZS). Instructions for registration and plan submittal for Fire Alarm Permits are available at the BZS Customer Service counter and on-line at: www.bzs.columbus.gov – 'Click' – Forms and Publications

Please see Appendixes 'A', 'B' and 'C':

- BZS Fire Alarm Permit Application with Instructions and Fee Schedule
- Columbus Fire Department Fire Alarm Permit Application
- CIC #24 Fire Protection System Document Submittals

For non-Fire Division related questions call:

Fees and Licensing/Cashier	(614) 645-6090
Status and Processing	(614) 645-7562
Fire Suppression Plan Review	(614) 645-7943
Fire Alarm Plan Review	(614) 645-5699
Inspection:	
Fire Alarm	(614) 645-6371
Electrical	(614) 645-6076

For Fire Division related questions call:

(614) 645-3270

Fire Prevention Bureau (614) 645-7641

HVAC









STEP 2: System Installation Phase

As the fire alarm system is being installed, specific inspections must be performed.

The following information will outline these procedures.

Please see Appendix "D" – CIC #3: Lead Time For Joint Inspections.









A. At the stage the contractor has installed the alarm device boxes and wiring in the rough walls (e.g. pull stations, horns, strobes, etc.) it will be necessary that these installations be inspected by the Electrical Inspector.

Inspection can be scheduled by calling the Electrical Inspection Line at 645-8265. The type of inspection is "Fire Alarm - Rough Walls".

The items inspected will include but not be limited to:

- System components installed according to approved plans
- System components proper for this type of installation
- Device boxes in the proper location to meet all applicable codes

NOTE:

Inspector will indicate approval on the Building Permit under 'Fire Alarm – Rough

Please see Appendix 'F': Sample Building Permit





B. At the stage that the contractor has installed the alarm device boxes and wiring in the rough ceiling (e.g. smoke alarms, heat detectors, etc.) it will be necessary that these installations be inspected by the Electrical Inspector.

Inspection can be scheduled by calling the Electrical Inspection Line at (614) 645-8265. The type of inspection is "Fire Alarm-Rough Ceiling."

The items inspected will include but not be limited to:

- System components installed according to approved plans?
- System components proper for this type of installation?

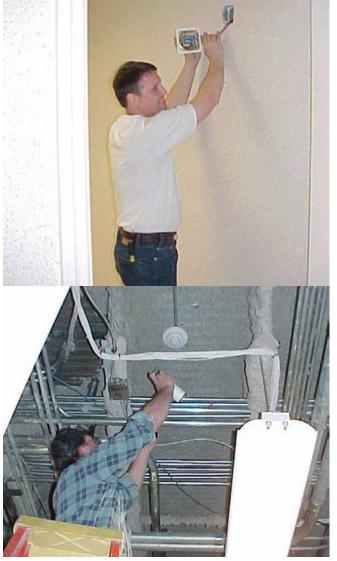
NOTE:

Inspector will indicate approval on the Building Permit under 'Fire Alarm - Rough

Please see Appendix 'F': Sample Building Permit







STEP 3: System Completion Phase

At this stage the installation contractor(s) are ready to perform a 100% pretest of all system components according to the guidelines set forth in NFPA 72.

As the test is performed, the NFPA 72 "Record of Completion" forms are to be filled out completely by the licensed installation contractor(s).

Please see Appendix 'E': NFPA 72 Record of Completion Form



A return call will be made by Inspection Clerical Staff within two (2) working days upon the receipt of fax to confirm date, time, etc.

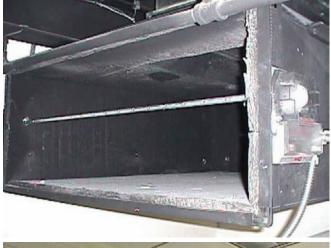
STEP 4: Specialty Alarm Systems

Specialty systems must be tested and approved prior to the final fire alarm witness test. To schedule inspection, fax Fire Protection Request Form with a completed NFPA 72 "Record of Completion" Form to Inspection, (614) 645-8358.

NOTE:

Please see Appendix 'D': CIC#3: Lead Time For Joint Inspections – Fire Alarm and Fire Suppression.

Building and Zoning Services personnel will notify the Columbus Division of Fire of the date and time of tests conducted. Contractors must notify the Columbus Division of Fire of all cancellations scheduled after normal business hours at (614) 645-7641.





A. Smoke Detector for Air Distribution Systems

To schedule inspection, fax Fire Protection Request Form (Please see Appendix 'G') to BZS Inspection, (614) 645-8358.

Inspectors needed:

- 1. HVAC
- Fire Official

Testing procedures:

100% test of all device activation in accordance with the manufacturers specifications and all applicable code provisions.

The items inspected will include but not be limited to:

- Inspection of installation as per the approved plans, manufacturers specifications, and all applicable codes.
- Verification of unit shutdown upon activation or switch to smoke control mode of operation.
- Verification of system circuit trouble.

B. Smoke Dampers or Combination of Fire/ Smoke Dampers

To schedule inspection, fax Fire Protection Request Form (Appendix 'G') to BZS Inspection, (614) 645-8358.

Inspectors needed:

- 1. HVAC
- 2. Fire Official

Testing procedures:

100% test of all device activation in accordance with the manufacturers specifications and all applicable code provisions.

The items inspected will include but not be limited to:

- Inspection of installation as per the approved plans, manufacturers specifications, and all applicable codes.
- Verification of unit operation upon activation of the system
- Verification of damper operation upon activation.





C. Fire Pumps

To schedule inspection fax Fire Protection Request Form to Inspection, (614) 645-8358.

Inspectors needed:

- 1. Electric
- 2. Fire Official

Testing procedures:

100% test of all device activation in accordance with the manufacturers specifications.

D. Smoke Control Systems

To schedule inspection fax Fire Protection Request Form with a completed Record of Completion Form to Inspection, (614) 645-8358.

Inspectors needed:

- 1. HVAC
- 2. Fire Official

Testing procedures:

100% test of all devices, equipment, components and sequences in accordance with the manufacturer's specifications and all applicable code provisions.









E. Dry Chemical, Wet Chemical, Clean Agent Systems and Carbon Dioxide Systems.

To schedule inspection fax Fire Protection Request Form with a completed Record of Completion Form to Inspection, (614) 645-8358.

Inspectors needed:

- 1. HVAC
- 2. Fire Official

Testing procedures:

100% test of all device activation in accordance with the manufacturers specifications and all applicable code provisions.

Items inspected will include, but not be limited to:

 Inspection of installation as per the approved plans, manufacturer's specifications and all applicable code provisions.

STEP 5: Final Fire Alarm Acceptance Test

The rough fire alarm approval and the testing and approval of all specialty systems must be completed prior to scheduling the Final Fire Alarm Acceptance Test. Failure to do so will result in a failed test and loss of the Building and Fire Department inspection fees.

To schedule the Final Fire Alarm Acceptance Test, fax the Fire Protection Request Form with a completed NFPA 72 "Record of Completion" Form to Inspection, (614) 645-8358.

NOTE:

Please see Appendix 'D': CIC#3: Lead Time For Joint Inspections – Fire Alarm and Fire Suppression.

A return call will be made by Inspection Clerical Staff within two (2) working days upon the receipt of fax to confirm date, time, etc.

Building and Zoning Services personnel will notify the Columbus Division of Fire of the date and time of tests conducted. Contractors must notify the Columbus Division of Fire of all cancellations scheduled after normal business hours at (614) 645-7641.

The Acceptance Test

The acceptance test will consist of a random inspection of device activation at a minimum of 10% of all devices (as determined by the inspector) except as otherwise noted on in

this manual. The inspection must include at least one device for each system component (i.e., elevator recall, smoke detector, hornstrobe, etc.)







Fire Alarm Acceptance Test Procedures

Manual Fire Alarm Systems

Inspectors needed:

- 1. Structural
- 2. Fire Official

Testing procedures:

Minimum 10% random test of all devices for circuit trouble and 100% for audibility.

Smoke Detection Systems

(excluding detectors for air distribution systems)

Inspectors needed:

- 1. Structural
- 2. Fire Official

Testing procedures:

Minimum 10% random test of all devices in accordance with the manufacturers' recommended testing method for alarm and circuit trouble.

Elevator Recall Activation

Inspectors needed:

- 1. Structural
- 2. Fire Official

Testing procedures:

The designated and alternate floor levels as well as the elevator machine room must be checked. The remainder of the test can be a random check of devices.







Fire Suppression Systems

(riser flow and tamper devices)

Inspectors needed:

- 1. Structural
- 2. Fire Official

Testing procedures:

100% test of riser/standpipe systems for flow alarm and tamper. Inspectors will verify the required residual pressure at system riser for all new systems. Post indicator valves and system circuit trouble shall be checked.

Special locking, egress control and electric strike devices

(i.e., hold-open devices, magnetic locks etc.)

Inspectors needed:

- 1. Structural
- 2. Fire Official

Testing procedures:

100% test of all device activation in accordance with the manufacturers specifications.

Emergency Egress Requirements

Inspectors needed:

- 1. Structural
- 2. Fire Official

Testing procedures:

100% test of all egress components including signage, lighting, and path of travel.





Fire Shutters/Rolling Fire Doors Activation

Inspectors needed:

- 1. Structural
- 2. Fire Official

Testing procedures:

100% test of all device activation in accordance with the manufacturers specifications.

Fire Alarm System Monitoring

(including sub and booster panels/ Automatic Telephone-dialing Devices)

Inspectors needed:

- 1. Structural
- 2. Fire Official

Testing procedures:

100% test of all device activation in accordance with the manufacturers specifications.

NFPA 72 "Record of Completion" forms are to be filled out by a licensed alarm contractor and placed at the fire alarm panel prior to the final inspection.



STEP 6: Final Approval

The Structural Inspector will complete a Fire Alarm Acceptance Test Form and will indicate approval on the Building Permit under "Fire Alarm – Final" (See Appendix Item 'F')

Appendix A—Fire Alarm Permit Application (page 1)

	Alarm Permit	t Application		
City o	of Columbus, Ohio	· Department of Building & Zoning Service		
FEECONON		- September 1997 - Sept	33 • Fax: 614-645-0082 • <u>www.columbus.gov</u>	
ALL	FEES ARE NO	N-REFUNDABLE • Please type or p		
			Date:	
Revision t	o Fire Alarm I	Permit #:	Bldg. Permit #:	
Type of Perm Resident		Commonalala	Type of Works	
	tial: ily Dwelling	Commercial: ☐ 4 or more Family Dwelling;	Type of Work: ☐ Addition to Building ☐ Replace/ Repa	ir Existing
2 Fami	ily Dwelling	# of Units:	■ New Construction ■ Alteration	
3 Fami	ily Dwelling	Commercial Structure	Removal Start-Fire Alarm Permit #:	
Additional Ir	spections Req	uested w/ this Application: #	<u> </u>	
Building Use:				
	9			
Scope of Work	k:			
Job Site Infor	rmation:			
Job Dite III.	mation.			
Cartifia	d Address	7in	Washing in Unit #/ Topont's Name	/A
Certified	1 Address	Zip	Working in Unit #/ Tenant's Name Suite/ Flr.	(s)
Tax Dis	trict/ Parcel	Cost of Construction		
Are there any ac	tive Building and	Zoning Services Violation Orders on this P	CONSTRUCTOR OF THE PROPERTY OF	
Are there any act				
			December 0 D M D M	
Are there any act	tive Neighborhood	d Services Division Violation Orders on this	s Property? Y	
	tive Neighborhood	d Services Division Violation Orders on this	s Property? TY TN	
	tive Neighborhood	d Services Division Violation Orders on this	s Property?	
Contractor:				
Contractor:	ompany Number	d Services Division Violation Orders on this	State Installer Number	
Contractor: State Co	ompany Number	Contractor Name	State Installer Number	
Contractor:	ompany Number			ıte, Zip
Contractor: State Co	ompany Number Name	Contractor Name Street Address	State Installer Number City, Sta	ıte, Zip
Contractor: State Co	ompany Number	Contractor Name	State Installer Number	ıte, Zip
Contractor: State Co	ompany Number Name	Contractor Name Street Address	State Installer Number City, Sta	ıte, Zip
State Co Installer Telephon	ompany Number Name one Number	Contractor Name Street Address	State Installer Number City, Sta	ıte, Zip
State Co Installer Telephon	ompany Number Name one Number	Contractor Name Street Address Fax Number	State Installer Number City, Sta	ite, Zip
State Co Installer Telephor	ompany Number Name one Number are of Certified In	Contractor Name Street Address Fax Number staller or Authorized Signer	State Installer Number City, Sta Email Address Print or Type Name	nte, Zip
State Co Installer Telephor	ompany Number Name one Number are of Certified In	Contractor Name Street Address Fax Number	State Installer Number City, State Installer Number City, State Installer Number	ite, Zip
State Co Installer Telephon	ompany Number Name one Number are of Certified In	Contractor Name Street Address Fax Number staller or Authorized Signer	State Installer Number City, Sta Email Address Print or Type Name in the rejection of this submittal. blease call: 614-645-6090	ate, Zip

Appendix A—Fire Alarm Permit Application (page 2)

Fire Alarm Permit Application City of Columbus, Ohio • Department of 757 Carolyn Avenue, Columbus, Ohio 4	f Building & Zonii		columbus.gov
ALL FEES ARE NON-REFUNDA	BLE • Please ty	pe or print all information	
Fire Alarm Devices	No. of Devices	Mechanical Devices	No. of Devices
Manual Pull Stations		Smoke Control System	
A/V Units		Duct Detectors	
Smoke/ Heat Detectors		Smoke Dampers	
Elevator Recall		Hood/Suppression Alarm	
Electric Strikes Egress Control Devices		Clean Agent/ Suppression Alarm	
Hold Open Devices		Other:	
Fire Shutter		8	
Sprinkler Flow Alarm		Total:	
Sprinkler Tamper Devices			
Other:			
Total:			
Property Owner of Record:		l:	
2			
Name	Street Address		City, State, Zip
Telephone Number Fa	ax Number	E-Mail Address	
Telephone Number Fa If Payment will be made through a SOFT Ad			
			ature
If Payment will be made through a SOFT Ad	ccount, please p	SOFT Account Authorized Sign ** Applicant has the option to buy as	dditional inspections at the time
If Payment will be made through a SOFT Account #/ PIN #	ccount, please p	rovide the following: SOFT Account Authorized Sign	dditional inspections at the time
If Payment will be made through a SOFT Account #/ PIN # The following Documents must be submitted with this	ccount, please p	SOFT Account Authorized Sign ** Applicant has the option to buy as	dditional inspections at the timion**
SOFT Account #/ PIN # The following Documents must be submitted with this Four copies of complete fire alarm drawings that incle To-scale floor plans with room uses Include a description of the system, sequence of operation, and cut-sheets of equipment	Application:	** Applicant has the option to buy as permit issuance for \$150 per inspection for the Alarm Permit Fees for Columbus Dispersion of the Alarm Systems: For 1-25 Devices: \$150.00	dditional inspections at the tim ion** vision of Fire:
SOFT Account #/ PIN # The following Documents must be submitted with this Four copies of complete fire alarm drawings that incl To-scale floor plans with room uses Include a description of the system, sequence of	Application: ude:	** Applicant has the option to buy as permit issuance for \$150 per inspection for the sum of the su	dditional inspections at the tim ion** vision of Fire: al device over 25
SOFT Account #/ PIN # The following Documents must be submitted with this Four copies of complete fire alarm drawings that incli To-scale floor plans with room uses Include a description of the system, sequence of operation, and cut-sheets of equipment Drawings shall bear the seal or shop drawings approf the Ohio Registered Architect/ Engineer responsor for design of the system, or Ohio Fire Alarm Design	Application: ude:	** Applicant has the option to buy as permit issuance for \$150 per inspection for the summer of the	dditional inspections at the tim ion** vision of Fire: al device over 25 al device over 10 em (includes both automatic &
SOFT Account #/ PIN # The following Documents must be submitted with this Four copies of complete fire alarm drawings that include a description of the system, sequence of operation, and cut-sheets of equipment Drawings shall bear the seal or shop drawings appred the Ohio Registered Architect/ Engineer response for design of the system, or Ohio Fire Alarm Design Certification. One separate set of drawings as described above for the source of the separate set of drawings as described above for the source of the separate set of drawings as described above for the source of the separate set of drawings as described above for the source of the separate set of drawings as described above for the source of the separate set of drawings as described above for the sequence of the separate set	Application: ude: roval sible gner the Columbus	** Applicant has the option to buy as permit issuance for \$150 per inspection for the summer of the	dditional inspections at the time on** vision of Fire: al device over 25 al device over 10 em (includes both automatic & the Manual Alarm System Fee
SOFT Account #/ PIN # The following Documents must be submitted with this Four copies of complete fire alarm drawings that incli To-scale floor plans with room uses Include a description of the system, sequence of operation, and cut-sheets of equipment Drawings shall bear the seal or shop drawings approf the Ohio Registered Architect/ Engineer responsor for design of the system, or Ohio Fire Alarm Design Certification. One separate set of drawings as described above for the Division of Fire, Fire Prevention Bureau.	Application: ude: roval sible gner the Columbus	** Applicant has the option to buy as permit issuance for \$150 per inspection for the summer of the	dditional inspections at the tim ion** vision of Fire: al device over 25 al device over 10 em (includes both automatic & the Manual Alarm System Fee
SOFT Account #/ PIN # The following Documents must be submitted with this Four copies of complete fire alarm drawings that incl To-scale floor plans with room uses Include a description of the system, sequence of operation, and cut-sheets of equipment Drawings shall bear the seal or shop drawings approf the Ohio Registered Architect/ Engineer respons for design of the system, or Ohio Fire Alarm Desig Certification. One separate set of drawings as described above for to Division of Fire, Fire Prevention Bureau. Completed Division of Fire Alarm/ Suppression Perm	Application: ude: roval sible gner the Columbus sit Application	** Applicant has the option to buy as permit issuance for \$150 per inspection for the summer of the	dditional inspections at the tim ion** vision of Fire: al device over 25 al device over 10 em (includes both automatic & the Manual Alarm System Fed

Page 2 of 2

Appendix B — Fire Department Alarm Permit Application

CITY OF COLUMBUS

Columbus Division of Fire Fire Prevention Bureau 3639 Parsons Ave. Columbus, OH 43207 614-645-8673 614-645-3004 FAX

Standpipes



FIRE ALARM / SUPPRESSION PERMIT APPLICATION

Fire Alarm / Suppression	Permit #			Check #		Amount
and the same of th					1	
Job Title/Tenant's Name					Telephone	()
ADDRESS OF JOB						
Address						
City					State	Zip
CONTRACTOR						
Contractor					Telephone	()
Contact Name					Fax	()
Address		City			State	Zip
PROPERTY OWNER OF RE	CORD (If known)				-5:	5
Address		<i>1</i> 8			Telephone	e ()
City	St	ate	Zip		FAX	()
Indicate Number of Devices	to be Installed or	Altered:	75	2	5. In-	**
DETECTORS (Smoke/Heat) Area Smoke Duct Smoke	ALARMS (Audible/Visual)	MANUAL STATION		Other (Flow Sv	w./Door Hlds/Etc	TOTAL DEVICES
ndicate Number of Devices	to be Installed or	Altered:				
Sprinkler Heads					Suppress Syste	
Limited Area Sprinkler Head			-	ecify Type:	- Caroon I	

- PLEASE NOTE: 1 inspection per plans review fee! Each sequential inspection will be at a cost of \$100.00
- CANCELLATIONS: You must notify the Fire Prevention Bureau Plans Review Section at 645-8673 prior to 8:00am (day of inspection) or a \$100.00 fee will be assessed.

of System

SEE PLANS REVIEW FEE SCHEDULE FOR PRICING INFORMATION.

If you have any questions regarding this form, please call (614) 645-8673. Incomplete information may result in rejection of submittal.

4/07

Appendix C — Fire Protection System Document Submittals (page 1)



Department of Building & Zoning Services

Tracie Davies, Director

757 Carolyn Avenue Columbus, Ohio 43224-3218 (614) 645-7433 (614) 645-7840 FAX

www.bzs.columbus.gov

July 1, 2009 (Revised May 3, 2012)

Construction Industry Communication #24

From: Keith Wagenknecht, Chief Building Official
RE: Fire Protection System Document Submittals

Requirements: Section 105.3.1.4 of the 2011 Ohio Building Code requires Fire Protection System Construction Documents be submitted under the signature of an individual certified under Section 378.105 of the Ohio Revised Code or bear the seal and signature of the design professional who prepared the construction documents.

Evidence of Responsibility: In accordance with Section 106.3.4 of the 2011 Ohio Building Code, Documents shall indicate the <u>sole person responsible</u> for the design and preparation of the construction documents. Documents submitted will no longer be acceptable by submitting drawings from the design professional and the remainder of the documents from the certified fire alarm designer.

Memorandum: Fire Alarm and Fire Suppression System Construction documents must be submitted with either the signature of the certified fire alarm designer or documents sealed and signed by the design professional. City of Columbus will no longer accept documents that have been reproduced from the design professional without their knowledge and authorization.

Construction documents required by Section 907.2 to be submitted include:

- Locations of alarm-initiating and notification appliances
- Alarm control and trouble signaling equipment
- Power connection
- Supervisory system connection
- Battery calculations
- Conductor type and sizes
- o Voltage drop calculations
- Manufacturers, model numbers and listing information for equipment, devices and materials (catalog cuts)
- Details of ceiling height and construction
- Interface of fire safety control functions (sequence of operation)
- Symbols legend

Appendix C — Fire Protection System Document Submittals (page 2)

Licensed Fire Alarm contractors wishing to obtain rough inspections for their work prior to completion and submittal of required fire alarm shop drawings, catalog cuts, battery calculations etc., may submit design drawings prepared by a licensed design professional, showing the location of all fire alarm devices. Drawings and a fire alarm permit application must follow normal submittal process, meaning <u>four</u> (4) sets of the proposed work shall be submitted to Building Services, plus <u>one</u> (1) set and application for the Fire Prevention review. All customary fees are required to be paid up front. After plan review and approval by both departments has been obtained, the fire alarm permit will be issued and a rough inspection(s) for the work may be requested.

The fire alarm contractor shall submit completed documents for review and approval as required above. This submittal is a <u>revision to the approved documents</u> and the applicant shall pay the fee for revision in accordance with the fee schedule. Final approval of the fire alarm installation shall be based on the approved revised drawings including any changes required for full compliance for the fire alarm system as maybe noted or shown on the revised drawings.

mfinks/comm.edu.train/CIC #24

Appendix D — CIC #3 Inspection Time (page 1)



Department of Building & Zoning Services

Tracie Davies, Director

757 Carolyn Avenue Columbus, Ohio 43224-3218 (614) 645-7433 (614) 645-7840 FAX

www.bzs.columbus.gov

February 2008

(Revised: July 2009)

Construction Industry Communication # 03

From: Keith Wagenknecht, Chief Building Official

Re: LEAD TIME FOR JOINT INSPECTIONS - FIRE ALARM AND FIRE SUPPRESSION

Requirements: Ohio Building Code Section 109.5 Inspection Requests: It shall be the duty of the owner's duly authorized agent to notify the building official when work is ready for inspection. Access to and means for inspection of such work shall be provided for any inspections that are required by this code.

Background: In an effort to minimize delays on the part of the contracting industry and possible removal of newly installed wall board, personnel from the Fire Prevention Bureau and the Building Services Division have held a series of meetings to coordinate the scheduling of their respective inspections. Acknowledging the fact that both the fire alarm and fire suppression systems must be inspected by both groups, a joint inspection with both parties present is the most efficient way to perform said inspections. Because the demand for these inspections is high and current personnel resources are limited, it becomes necessary to schedule these inspections with some lead-time involved. For this reason, the following policy has been put into effect.

Memorandum: Lead-time will allow both Fire and Building to check on the availability of inspectors, so that both inspectors can perform the inspection the same day. The following schedule will be used in scheduling inspections:

TYPE OF INSPECTION	ROUGH	FINAL	LEAD TIME DAY(S)*	INSPECTION REQUIRED
Fire Alarm	Х		4 PM DAY BEFORE	Electric
Fire Alarm Witness		Х	10 AM, 2 Days	Structural / Fire
F S Hydrostatic 200 psi 2 hrs		Х	10 AM, 2 Days	Structural / Fire
F S Hydrostatic Working Pressure		Х	10 AM, 2 Days	Structural / Fire
F S Hydrostatic air @ 40 psi 24 hrs		Х	10 AM, 2 Days	Structural / Fire @ start / Fire @ end
Fire Suppression	Х		10 AM, 2 Days	Structural / Fire
Fire Suppression		Х	4 PM DAY BEFORE	Structural
Fire Suppression - Limited Area	Х	Х	4 PM DAY BEFORE	Structural
Smoke Control System	Х		4 PM DAY BEFORE	HVAC
Smoke Control System Witness		Х	10 AM, 2 Days	HVAC / Fire
Smoke Duct Detectors	Х		4 PM DAY BEFORE	HVAC
Smoke Duct Detectors Witness		X	10 AM, 2 Days	HVAC / Fire
Smoke Dampers	Х		4 PM DAY BEFORE	HVAC
Smoke Dampers Witness		Х	10 AM, 2 Days	HVAC / Fire
Wet Chemical Suppression	Х		4 PM DAY BEFORE	HVAC

Appendix D — CIC #3 Inspection Time (page 2)

Wet Chemical Suppression Witness		х	10 AM, 2 Days	HVAC / Fire
Clean Agent Suppression	X		4 PM DAY BEFORE	HVAC
Clean Agent Suppression Witness		х	10 AM, 2 Days	HVAC / Fire
Dry Chemical, Foam, Carbon Dioxide Systems	х		4 PM DAY BEFORE	HVAC
Dry Chemical, Foam, Carbon Dioxide Systems Witness		х	10 AM, 2 Days	HVAC / Fire
Fire Alarm Witness for Mechanical Systems		х	10 AM, 2 Days	HVAC / Fire
Emergency Generator	Х	X	4 PM, 2-3 DAYS	Electric (Time test)
Fire Pump		Х	10 AM, 2 Days	Fire / Electric

^{*} Please be advised that due to scheduling and the availability of city inspectors, additional time maybe required scheduling your inspection. If your inspection is critical, please submit your request for inspection at least three (3) days prior to the date needed.

mfinks/comm.edu.train/CIC # 03 REVISED 7/09

Appendix E — NFPA Record of Completion (page 1)

FIRE ALARM AND EMERGENCY COMMUNICATION SYSTEM RECORD OF COMPLETION

To be completed by the system installation contractor at the time of system acceptance and approval. It shall be permitted to modify this form as needed to provide a more complete and/or clear record.

Insert N/A in all unused lines.

Attach additional sheets, data, or calculations as necessary to provide a complete record.

Name of	ORMATION			
Name of property:				
Address:				
Description of prop	erty:			
Occupancy type:				
Name of property r	epresentative:			
Address:				
Phone:		Fax:		E-mail:
Authority having ju	risdiction over this	property:		
Phone:		Fax:		E-mail:
License or certifica	tion number:			
INSTALLATION	, SERVICE, AND	/ ILSTING C	ONTRACTOR	VI OKINATION
Address:				
License or certifica	tion number:			
Phone:		Fax:		E-mail:
Service organization	n for this equipmen	t:		
Address:				
License or certifica	tion number:			
Phone:		Fax:		E-mail:
A contract for test	and inspection in acc	cordance with N	NFPA standards is i	n effect as of:
Contracted testing	company:			
Address:				
Phone:		Fax:		E-mail:
Contract expires:	C	ontract number	:	Frequency of routine inspections:
DESCRIPTION	OF SYSTEM OR	SERVICE		
☐ Fire alarm syste	m (nonvoice)			
	in-building fire eme	rgency voice al	arm communication	n system (EVACS)
☐ Fire alarm with	n system (MNS)			
☐ Fire alarm with ☐ Mass notification		ving componen	ts:	
☐ Mass notification	stem, with the follow	wing componen		
☐ Mass notification	stem, with the follow	☐ MNS		building, emergency communication system

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Appendix E — NFPA Record of Completion (page 2)

DESCRIPTION OF SYSTEM OF	R SERVICE (continued)	
NFPA 72 edition:	Additional description of s	system(s):
3.1 Control Unit		
Manufacturer:		Model number:
3.2 Mass Notification System		☐ This system does not incorporate an MNS
3.2.1 System Type:		
☐ In-building MNS—combination		
☐ In-building MNS—stand-alone	☐ Wide-area MNS ☐ Distributed	d recipient MNS
Other (specify):		
3.2.2 System Features:		
☐ Combination fire alarm/MNS	MNS autonomous control unit	☐ Wide-area MNS to regional national alerting interface
☐ Local operating console (LOC)	☐ Direct recipient MNS (DRMNS)	☐ Wide-area MNS to DRMNS interface
	aker array (HPSA) interface	ding MNS to wide-area MNS interface
Other (specify):		
3.3 System Documentation		
☐ An owner's manual, a copy of the r	manufacturer's instructions, a written see	quence of operation, and a copy of
the numbered record drawings are	stored on site. Location:	
3.4 System Software	☐ This system	m does not have alterable site-specific software.
Operating system (executive) software	revision level:	
Site-specific software revision date:	Revision	completed by:
☐ A copy of the site-specific software	e is stored on site. Location:	
3.5 Off-Premises Signal Transmission	on	ystem does not have off-premises transmission.
Name of organization receiving alarm	signals with phone numbers:	
Alarm:		Phone:
Supervisory:		Phone:
Trouble:		Phone:
Entity to which alarms are retransmitte	ed:	Phone:
Method of retransmission:		
If Chapter 26, specify the means of tra	nnsmission from the protected premises	to the supervising station:
If Chapter 27, specify the type of auxi	liary alarm system:	☐ Shunt ☐ Wired ☐ Wireless
If Chapter 27, specify the type of auxi	liary alarm system:	☐ Shunt ☐ Wired ☐ Wir

Appendix E — NFPA Record of Completion (page 3)

4.1.1 Pathy (See 4.1.2 Quan 4.1.3 No Pot 4.1.4 Quan 4.2.1 Pathy (See 4.1.4)	o separate power Pathways from the ower pathways are separate but of the ower pathways are separate and different separate separate and different separate separate and different separate separ	Survivability level: Media Description: signaling line pathway e same pathway classification as the crent classification from the signaling line pathway	
Pathy (See 4.1.2) Quan 4.1.3 □ Po 4.1.4 Quan 4.2.1 Pathy (See 4.2.2)	ways class: NFPA 72, Sections 12.3 and 12.4) Pathways Utilizing Two or More natity: Be Device Power Pathways o separate power pathways from the ower pathways are separate but of the ower pathways are separate and different in the power pathways are separate and different in the	Survivability level: Media Description: signaling line pathway e same pathway classification as the crent classification from the signaling line pathway	ne signaling line pathway
(See 4.1.2 Quan 4.1.3 \bigcup No \bigcup Pc 4.1.4 Quan 4.2.1 Pathy (See 4.2.2	NFPA 72, Sections 12.3 and 12.4) 2. Pathways Utilizing Two or More nity: 3. Device Power Pathways 3. Separate power pathways from the ower pathways are separate but of the ower pathways are separate and different in the	Media Description: signaling line pathway e same pathway classification as the crent classification from the signality	ne signaling line pathway
Quan 4.1.3	Device Power Pathways o separate power pathways from the ower pathways are separate but of th ower pathways are separate and diffe l Isolation Modules ntity: Alarm Initiating Device Pathways Pathways Class Designations and ways class:	Description: signaling line pathway e same pathway classification as the state of the signaline pathway classification from the signaline pathway.	
4.1.3 No Per Per 4.1.4 Quan 4.2.4 4.2.1 Pathy (See 4.2.2	o separate power Pathways from the ower pathways are separate but of the ower pathways are separate and different separate separate and different separate separate and different separate separ	signaling line pathway e same pathway classification as the erent classification from the signali	
□ No □ Pc 4.1.4 Quan 4.2.1 Pathy (See 4.2.2	to separate power pathways from the ower pathways are separate but of the ower pathways are separate and differ a Isolation Modules attity: Alarm Initiating Device Pathways Pathways Class Designations and ways class:	e same pathway classification as the state of the signal o	
Pc 4.1.4 Quan 4.2 A 4.2.1 Pathy (See 4.2.2	ower pathways are separate but of the ower pathways are separate and different in the separate but of the separate and different in the	e same pathway classification as the state of the signal o	
Quan 4.1.4 Quan 4.2.1 Pathy (See 4.2.2	ower pathways are separate and different Isolation Modules atity: Alarm Initiating Device Pathways Pathways Class Designations and ways class:	erent classification from the signali	
4.1.4 Quan 4.2 A 4.2.1 Pathy (See 4.2.2	I Isolation Modules atity: Alarm Initiating Device Pathways Pathways Class Designations and ways class:		ing line pathway
Quant 4.2 A 4.2.1 Pathy (See 4.2.2	Alarm Initiating Device Pathways Pathways Class Designations and ways class:	1 Survivability	
4.2.1 Pathy (See 4.2.2	Alarm Initiating Device Pathways Pathways Class Designations and ways class:	1 Survivability	
4.2.1 Pathy (See 4.2.2	Pathways Class Designations and ways class:	1 Survivability	
4.2.1 Pathy (See 4.2.2	Pathways Class Designations and ways class:	1 Survivability	
Pathy (See	ways class:	1 Sul vivability	
(See . 4.2.2	•	Survivability level:	Quantity:
	NFPA 72, Sections 12.3 and 12.4)	Survivability level.	Quantity.
Quan	Pathways Utilizing Two or More	Media	
	ntity:	Description:	
4.2.3	B Device Power Pathways		
□N	o separate power pathways from the	initiating device pathway	
☐ Po	ower pathways are separate but of th	e same pathway classification as the	ne initiating device pathway
☐ Po	ower pathways are separate and diffe	erent classification from the initiati	ng device pathway
4.3 N	Non-Voice Audible System Pathwa	ys	
4.3.1	Pathways Class Designations and	1 Survivability	
Pathy	ways class:	Survivability level:	Quantity:
(See	NFPA 72, Sections 12.3 and 12.4)		
4.3.2	Pathways Utilizing Two or More	Media	
Quan	ntity:	Description:	
4.3.3	Appliance Power Pathways		
□N	o separate power pathways from the	notification appliance pathway	
□ Po	ower pathways are separate but of th	e same pathway classification as the	ne notification appliance pathway
☐ Po	ower pathways are separate and diffe	erent classification from the notific	ation appliance pathway

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Appendix E — NFPA Record of Completion (page 4)

Type and number of devices: Addressable: Conventional: Other (specify): 5.1.2 Other Alarm Boxes	his system does not have other alarm boxes. Coded: Transmitter: his system does not have smoke detectors. Transmitter: Aspirating Beam have alarm-causing duct smoke detectors.
Type and number of devices: Addressable: Conventional: Other (specify): 5.1.2 Other Alarm Boxes	Coded: Transmitter: his system does not have other alarm boxes. Coded: Transmitter: his system does not have smoke detectors. Transmitter: his system does not have smoke detectors. Transmitter: have alarm-causing duct smoke detectors.
Other (specify): 5.1.2 Other Alarm Boxes	his system does not have other alarm boxes. Coded: Transmitter: his system does not have smoke detectors. Transmitter: Aspirating Beam have alarm-causing duct smoke detectors.
5.1.2 Other Alarm Boxes	Coded: Transmitter: his system does not have smoke detectors. trea Multicriteria Aspirating Beam have alarm-causing duct smoke detectors.
Description: Type and number of devices: Addressable: Conventional: Other (specify): 5.2 Automatic Initiating Devices 5.2.1 Smoke Detectors	Coded: Transmitter: his system does not have smoke detectors. trea Multicriteria Aspirating Beam have alarm-causing duct smoke detectors.
Type and number of devices: Addressable: Conventional: Other (specify): 5.2 Automatic Initiating Devices 5.2.1 Smoke Detectors	his system does not have smoke detectors. Trea Multicriteria Aspirating Beam have alarm-causing duct smoke detectors.
Other (specify): 5.2 Automatic Initiating Devices 5.2.1 Smoke Detectors	his system does not have smoke detectors. Trea Multicriteria Aspirating Beam have alarm-causing duct smoke detectors.
5.2 Automatic Initiating Devices 5.2.1 Smoke Detectors	rea ☐ Multicriteria ☐ Aspirating ☐ Beam have alarm-causing duct smoke detectors.
Type and number of devices: Addressable: Conventional: Other (specify): Type of coverage: Complete area Partial area Nonrequired partial are Other (specify): Type of smoke detector sensing technology: Ionization Photoelectric Other (specify): 5.2.2 Duct Smoke Detectors Into System does not be Type and number of devices: Addressable: Conventional: Other (specify): Type of coverage:	rea ☐ Multicriteria ☐ Aspirating ☐ Beam have alarm-causing duct smoke detectors.
Type and number of devices: Addressable: Conventional: Con	rea ☐ Multicriteria ☐ Aspirating ☐ Beam have alarm-causing duct smoke detectors.
Other (specify): Type of coverage: Complete area Partial area Nonrequired partial are Other (specify): Type of smoke detector sensing technology: Innization Photoelectric Other (specify): 5.2.2 Duct Smoke Detectors Type and number of devices: Addressable: Conventional: Other (specify): Type of coverage:	rea ☐ Multicriteria ☐ Aspirating ☐ Beam have alarm-causing duct smoke detectors.
Type of coverage: Complete area Partial area Nonrequired partial area Other (specify): Type of smoke detector sensing technology: Innization Photoelectric Other (specify): 5.2.2 Duct Smoke Detectors Type and number of devices: Addressable: Conventional: Other (specify): Type of coverage:	☐ Multicriteria ☐ Aspirating ☐ Beam have alarm-causing duct smoke detectors.
Other (specify): Type of smoke detector sensing technology:	☐ Multicriteria ☐ Aspirating ☐ Beam have alarm-causing duct smoke detectors.
Type of smoke detector sensing technology:	☐ Multicriteria ☐ Aspirating ☐ Beam have alarm-causing duct smoke detectors.
Other (specify): 5.2.2 Duct Smoke Detectors	have alarm-causing duct smoke detectors.
5.2.2 Duct Smoke Detectors	have alarm-causing duct smoke detectors.
Type and number of devices: Addressable: Conventional: Other (specify): Type of coverage:	_
Other (specify): Type of coverage:	
Type of coverage:	
"	☐ Aspirating ☐ Beam
5.2.3 Radiant Energy (Flame) Detectors This system	em does not have radiant energy detectors.
Type and number of devices: Addressable: Conventional:	
Other (specify):	
Type of coverage:	
5.2.4 Gas Detectors	This system does not have gas detectors.
Type of detector(s):	
Number of devices: Addressable: Conventional:	
Type of coverage:	
5.2.5 Heat Detectors	This system does not have heat detectors.
Type and number of devices: Addressable: Conventional:	_
Type of coverage:	
Type of heat detector sensing technology:	rise Rate compensated

Appendix E — NFPA Record of Completion (page 5)

	ALARM INITIATING DEVICES (continue	a)	
	5.2.6 Addressable Monitoring Modules Number of devices:	☐ This system does not h	nave monitoring modules.
	5.2.7 Waterflow Alarm Devices	☐ This system does not have	waterflow alarm devices.
	Type and number of devices: Addressable:	Conventional: Coded:	Transmitter:
	5.2.8 Alarm Verification	☐ This system does not income	rporate alarm verification.
	Number of devices subject to alarm verification:	Alarm verification set for	seconds
	5.2.9 Presignal	☐ This system does i	not incorporate pre-signal.
	Number of devices subject to presignal:		
	Describe presignal functions:		
	5.2.10 Positive Alarm Sequence (PAS) Describe PAS:	☐ This system	m does not incorporate PAS.
	5.2.11 Other Initiating Devices Describe:	☐ This system does not h	nave other initiating devices.
6.	SUPERVISORY SIGNAL-INITIATING DE	VICES	
	6.1 Sprinkler System Supervisory Devices	☐ This system does not have spr	inkler supervisory devices.
	Type and number of devices: Addressable:	Conventional: Coded:	Transmitter:
	Other (specify):		
	6.2 Fire Pump Description and Supervisory I	evices	oes not have a fire pump.
	Type fire pump:	revices	
			oes not have a fire pump. Transmitter:
	Type fire pump:	ngine	
	Type fire pump:	ngine Conventional: Coded:	Transmitter:
	Type fire pump:	ngine Conventional: Coded:	Transmitter:
	Type fire pump:	ngine Conventional: Coded: elector switch not in auto Engine or control	Transmitter:
	Type fire pump:	conventional: Coded: Coded: Coded: This system does not have DSDs of	Transmitter:
	Type fire pump:	conventional: Coded: Coded: Coded: This system does not have DSDs of	Transmitter:
	Type fire pump:	elector switch not in auto	Transmitter:
	Type fire pump:	elector switch not in auto	Transmitter: panel trouble Low fuel causing supervisory signals.

Appendix E — NFPA Record of Completion (page 6)

7.	MONITORED SYSTEMS			
	7.1 Engine-Driven Generator		☐ This system of	does not have a generator.
	7.1.1 Generator Functions Supervised	I		
	☐ Engine or control panel trouble [Generator running	☐ Selector switch not in auto	☐ Low fuel
	Other (specify):			
	7.2 Special Hazard Suppression System	ms	☐ This system does not monitor	r special hazard systems.
	$Description \ of \ special \ hazard \ system(s):$			
	7.3 Other Monitoring Systems		☐ This system does not	monitor other systems.
	Description of special hazard system(s):			
8.	ANNUNCIATORS		☐ This system does	s not have annunciators.
	8.1 Location and Description of Annu	nciators		
	Location 1:			
	Location 2:			
	Location 3:			
۵	ALARM NOTIFICATION APPLIAN	ICES		
٥.			C. t. D.T.:	EVACC
	9.1 In-Building Fire Emergency Voice Number of single voice alarm channels:		Number of multiple voice alarm cha	
	Number of single voice alarm channels: Number of speakers:			
	Location of amplification and sound-pro-		Number of speaker circuits:	
	Location of paging microphone stations:			
	*			
	Location 2:			
	Location 3:			
	9.2 Nonvoice Notification Appliances Horns: With visible		This system does not have nonvoice states: With visib	
	Chimes: With visible		with visit	oic.
	Visible only: Other (description)			
		/	D.Th.	
	9.3 Notification Appliance Power External		☐ This system does not have	e power extender paneis.
	Quantity: Locations:			
	Locations.			
			NFPA 72, Fig	g. 10.18.2.1.1 (p. 6 of 12)
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Appendix E — NFPA Record of Completion (page 7)

10. MASS NOTIFICATION CONTROLS, APPLIA	ANCES, AND CIRCUITS This system does not have an MNS.
10.1 MNS Local Operating Consoles	
Location 1:	
Location 2:	
Location 3:	
10.2 High-Power Speaker Arrays	
Number of HPSA speaker initiation zones:	
Location 1:	
Y	
Location 3:	
10.3 Mass Notification Devices	
Combination fire alarm/MNS visible appliances:	MNS-only visible appliances:
Textual signs: Other (descri	be):
Supervision class:	
10.3.1 Special Hazard Notification	
☐ This system does not have special suppression pred	discharge notification.
MNS systems DO NOT override notification appli predischarge notification.	
11. TWO-WAY EMERGENCY COMMUNICATION	ON SYSTEMS
11.1 Telephone System	\square This system does not have a two-way telephone system.
Number of telephone jacks installed:	Number of warden stations installed:
Number of telephone handsets stored on site:	
Type of telephone system installed: Electrically	powered Sound powered
11.2 Two-Way Radio Communications Enhancem	nent System
☐ This system does not have a two-way radio commo	unications enhancement system.
Percentage of area covered by two-way radio service:	Critical areas: % General building areas: %
Amplification component locations:	
Inbound signal strength: dBr	Outbound signal strength: dBm
Donor antenna isolation is:	dB above the signal booster gain
Radio frequencies covered:	
Radio system monitor panel location:	
	NFPA 72, Fig. 10.18.2.1.1 (p. 7 of 12)
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Appendix E — NFPA Record of Completion (page 8)

11. TWO-WAY EMERGENCY COMMUNICATION	SYSTEMS (continued)
11.3 Area of Refuge (Area of Rescue Assistance) Emo	ergency Communications Systems
☐ This system does not have an area of refuge (area of r	rescue assistance) emergency communications system.
Number of stations: Location of ce	entral control point:
Days and hours when central control point is attended:	
Location of alternate control point:	
Days and hours when alternate control point is attended:	
11.4 Elevator Emergency Communications Systems	
☐ This system does not have an elevator emergency con	nmunications system.
Number of elevators with stations:	Location of central control point:
Days and hours when central control point is attended:	
Location of alternate control point:	
Days and hours when alternate control point is attended:	
11.5 Other Two-Way Communication Systems	
Describe:	
12. CONTROL FUNCTIONS	
This system activates the following control fuctions:	
☐ Hold-open door releasing devices ☐ Smoke man	agement HVAC shutdown F/S dampers
☐ Door unlocking ☐ Elevator recall ☐ Fuel s	source shutdown
☐ Elevator shunt trip ☐ Mass notification system of	override of fire alarm notification appliances
Other (specify):	
12.1 Addressable Control Modules	☐ This system does not have control modules.
Number of devices:	
Other (specify):	
13. SYSTEM POWER	
13.1 Control Unit	
13.1.1 Primary Power	Control panel amps:
Input voltage of control panel: Overcurrent protection: Type:	Amps:
Location (of primary supply panel board):	
. 1 2 1121	
Disconnecting means location:	
13.1.2 Engine-Driven Generator	☐ This system does not have a generator.
Location of generator:	
Location of fuel storage:	Type of fuel:
	NFPA 72, Fig. 10.18.2.1.1 (p. 8 of 12)
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Appendix E — NFPA Record of Completion (page 9)

. SYSTEM POW	IER (continued)	
13.1.3 Uninterrup	otible Power System	☐ This system does not have a UPS.
Equipment powered	d by a UPS system:	
Location of UPS sy	stem:	
Calculated capacity	of UPS batteries to drive the syste	em components connected to it:
In standby mode (he	ours):	In alarm mode (minutes):
13.1.4 Batteries		
Location:	Type:	Nominal voltage: Amp/hour rating:
Calculated capacity	of batteries to drive the system:	
In standby mode (he	ours):	In alarm mode (minutes):
☐ Batteries are man	rked with date of manufacture	☐ Battery calculations are attached
13.2 In-Building F	Fire Emergency Voice Alarm Co	ommunication System or Mass Notification System
_	s not have an EVACS or MNS sys	
13.2.1 Primary Po		
-	ACS or MNS panel:	EVACS or MNS panel amps:
Overcurrent protect		Amps:
-	**	
Disconnecting mean		
13.2.2 Engine-Dri		☐ This system does not have a generator.
Location of generat		This system does not have a generator.
Location of fuel sto		Type of fuel:
	otible Power System	☐ This system does not have a UPS.
		This system does not have a OTS.
Location of UPS sy		
-	of UPS batteries to drive the syste	em components connected to it:
In standby mode (he		
13.2.4 Batteries		
Location:	Type:	Nominal voltage: Amp/hour rating:
	of batteries to drive the system:	Amphou rating.
In standby mode (he		In alarm mode (minutes):
In standoy mode (ii	rked with date of manufacture	☐ Battery calculations are attached

Appendix E — NFPA Record of Completion (page 10)

13. SYSTEM POWER (continued)	
13.3 Notification Appliance Power Extender Pane	els
13.3.1 Primary Power	
Input voltage of power extender panel(s):	Power extender panel amps:
Overcurrent protection: Type:	Amps:
Location (of primary supply panel board):	
Disconnecting means location:	
13.3.2 Engine-Driven Generator	☐ This system does not have a generator.
Location of generator:	
Location of fuel storage:	Type of fuel:
13.3.3 Uninterruptible Power System	☐ This system does not have a UPS.
	<u>_</u> ,
Location of UPS system:	
Calculated capacity of UPS batteries to drive the sys	stem components connected to it:
In standby mode (hours):	
13.3.4 Batteries	
Location: Type:	Nominal voltage: Amp/hour rating:
Calculated capacity of batteries to drive the system:	
In standby mode (hours):	In alarm mode (minutes):
☐ Batteries are marked with date of manufacture	
 RECORD OF SYSTEM INSTALLATION Fill out after all installation is complete and wiring a branching, but before conducting operational acceptance. 	has been checked for opens, shorts, ground faults, and improper tance tests.
This is a: ☐ New system ☐ Modification to a	an existing system Permit number:
The system has been installed in accordance with th	ne following requirements: (Note any or all that apply.)
□ NFPA 72, Edition:	
☐ NFPA 70, National Electrical Code, Article 760,	Edition:
☐ Manufacturer's published instructions	
Other (specify):	
	3:
System deviations from referenced NFPA standards	
System deviations from referenced NFPA standards	
•	rinted name: Date:
Signed: Pri	
Signed: Pri	tle: Phone:
Signed: Pri	

Appendix E — NFPA Record of Completion (page 11)

RECORD OF SYSTEM OP	ERATIONAL ACCEPTANCE TEST	
☐ New system		
	ions of this system were tested by, or in the preso and were found to be operating properly in acco	
☐ Modifications to an existing sy	stem	
	atures and functions of the system were tested by hown below, and were found to be operating pro	
□ NFPA 72, Edition:		
☐ NFPA 70, National Electrical	Code, Article 760, Edition:	_
☐ Manufacturer's published inst	ructions	
Other (specify):		
☐ Individual device testing docu	mentation [Inspection and Testing Form (Figure	14.6.2.4) is attached]
Signed:	Printed name:	Date:
Signed: Organization: CERTIFICATIONS AND A	Title:	Date: Phone:
Organization: CERTIFICATIONS AND A 16.1 System Installation Contra This system, as specified herein, h	PPROVALS actor: has been installed and tested according to all NFI	Phone: PA standards cited herein.
Organization: CERTIFICATIONS AND Al 16.1 System Installation Contra This system, as specified herein, he Signed:	PPROVALS actor: as been installed and tested according to all NFI Printed name:	Phone: PA standards cited herein. Date:
Organization: CERTIFICATIONS AND All 16.1 System Installation Contra This system, as specified herein, he Signed: Organization:	PPROVALS Inter: Inte	Phone: PA standards cited herein.
Organization: CERTIFICATIONS AND Al 16.1 System Installation Contra This system, as specified herein, h Signed: Organization: 16.2 System Service Contractor	PPROVALS actor: as been installed and tested according to all NFI Printed name: Title:	Phone: PA standards cited herein. Date: Phone:
Organization: CERTIFICATIONS AND Al 16.1 System Installation Contra This system, as specified herein, h Signed: Organization: 16.2 System Service Contractor	PPROVALS Inter: Inte	Phone: PA standards cited herein. Date: Phone:
Organization: CERTIFICATIONS AND Al 16.1 System Installation Contra This system, as specified herein, h Signed: Organization: 16.2 System Service Contractor	PPROVALS actor: as been installed and tested according to all NFI Printed name: Title:	Phone: PA standards cited herein. Date: Phone:
Organization: CERTIFICATIONS AND All 16.1 System Installation Contra This system, as specified herein, he Signed: Organization: 16.2 System Service Contractor The undersigned has a service cor	PPROVALS as been installed and tested according to all NFI Printed name: Title: tract for this system in effect as of the date show	Phone: PA standards cited herein. Date: Phone:
Organization: CERTIFICATIONS AND Al 16.1 System Installation Contra This system, as specified herein, h Signed: Organization: 16.2 System Service Contractor The undersigned has a service cor Signed:	PPROVALS actor: as been installed and tested according to all NFI Printed name: Title: tract for this system in effect as of the date show Printed name:	PA standards cited herein. Date: Phone: Date: Date:
Organization: CERTIFICATIONS AND A 16.1 System Installation Contra This system, as specified herein, h Signed: Organization: 16.2 System Service Contractor The undersigned has a service cor Signed: Organization: 16.3 Supervising Station:	PPROVALS actor: as been installed and tested according to all NFI Printed name: Title: tract for this system in effect as of the date show Printed name:	Phone: PA standards cited herein. Date: Phone: Phone: Phone:
Organization: CERTIFICATIONS AND A 16.1 System Installation Contra This system, as specified herein, h Signed: Organization: 16.2 System Service Contractor The undersigned has a service cor Signed: Organization: 16.3 Supervising Station:	PPROVALS actor: as been installed and tested according to all NFI Printed name: Title: tract for this system in effect as of the date show Printed name: Title:	Phone: PA standards cited herein. Date: Phone: Phone: Phone:

NFPA 72, Fig. 10.18.2.1.1 (p. 11 of 12)

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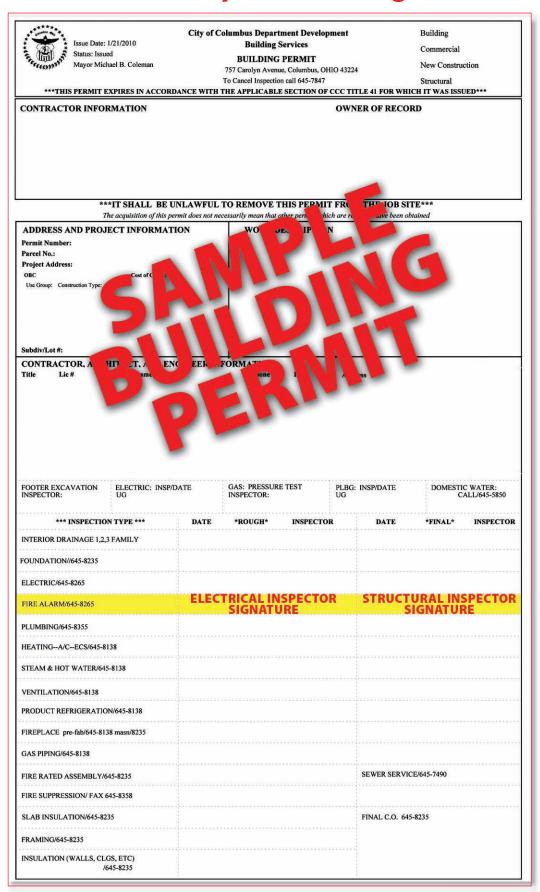
Appendix E — NFPA Record of Completion (page 12)

accept this system as having b	een installed and tested to its specifications and al	NFPA standards cited herein.
Signed:	Printed name:	Date:
Organization:	Title:	Phone:
16.5 Authority Having Jurisd	iction:	
	acceptance test of this system and find it to be insta- plans and specifications, with its approved sequen	
NFPA standards cited herein.		
NFPA standards cited herein. Signed:	Printed name:	Date:

NFPA 72, Fig. 10.18.2.1.1 (p. 12 of 12)

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Appendix F — Sample Building Permit



Appendix G — Fire Protection Inspection Form



Department of Building & Zoning Services

FIRE PROTECTION INSPECTION REQUEST FORM

				CANCE	LLAII		614-645-7847		
	JO	BSITE	ADD	RESS					
DATE	REQUESTED				CON	IFIRM	ED DATE / TIME		
	FIRE ALARM W	ITNESS	TEST						
	FIRE SUPPRESS	SION HY	YDROS	TATIC TEST					
	HVAC SYSTEM	TEST						Regu	lar Business Hours
]	ELECTRICAL SY	STEM T	EST					After	Regular Business Hours
	ROUGH SUPPRI	ESSION	I.						
	REPAIR/REPLA	CEMEN	т						
	FINAL SUPPRES								
	PERMIT NUMBER	₹		CO	NTRACTOR CONTAC			C	ONTACT PHONE NUMBER
,	TRE SUPPRESSION	N #			CONTAC	JI PERS	SON		
	TRE SUPPRESSION	N #			CONTAC	CT PERS			
#	Fire Alarn Devices	n	#	Fire Al	arm	#	HVAC Devices	#	Electrical Systems
	Fire Alarn	n	#		arm ces				T
	Fire Alarn Devices Manual Pull Station A/V Units	n ns	#	Egress Control Hold Open De	arm ces ol Devices		HVAC Devices Smoke Control System Duct Detectors		Electrical Systems
	Fire Alarn Devices Manual Pull Station A/V Units Smoke/Heat Detect	n ns	#	Egress Control Hold Open De	arm ces of Devices		HVAC Devices Smoke Control System Duct Detectors Smoke Dampers		Electrical Systems Generator test Fire Pump Test Fire Suppression
	Fire Alarn Devices Manual Pull Station A/V Units Smoke/Heat Detect Elevator Recall	n ns	#	Egress Control Hold Open De Fire Shutter Sprinkler Flow	arm ces ol Devices evices		HVAC Devices Smoke Control System Duct Detectors Smoke Dampers Hood/Suppression Alarm		Electrical Systems Generator test Fire Pump Test Fire Suppression Systems
	Fire Alarn Devices Manual Pull Station A/V Units Smoke/Heat Detect Elevator Recall Electric Strikes	n ns	#	Device Egress Control Hold Open De Fire Shutter Sprinkler Flow Sprinkler Tam Device	arm ces ol Devices evices		HVAC Devices Smoke Control System Duct Detectors Smoke Dampers Hood/Suppression Alarm FM 200		Electrical Systems Generator test Fire Pump Test Fire Suppression Systems Sprinkler Heads
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