

PO Box 2551 2257 West Broadway South Portland, ME 04106

1.800.370.3473 fax 207.879.0540

www.norrisinc.com

November 19, 2012

574 Associates Peter Hoglund 1976 Washington Ave Portland, ME 04103

Subject: 574 Congress St, Portland

Dear Peter,

As requested, I am writing to confirm the fire alarm system add for the above mentioned subject, was inspected and tested and at the time of inspection the system was found to be operational and to the best of our knowledge, met or exceeded all of the requirements as established by the plans and specifications for the project and all applicable local codes including NFPA 72.

It was a pleasure working with you on this project. Should you have any questions or need additional information please do not hesitate to contact me.

Sincerely,

Douglas W. Driesen Service Manager

The L. Pi

Advancing security, life safety and communications



INSPECTION AND TESTING FORM

INSPECTION AND TESTING FORM			Project #:	312437SP
		-	Date:	11-13
			Time:	
Duilding Name			Property Owner	
Building Name	5740	044	Name:	
Name:	574 Congre			Peter Hoglund
Address:		ess St Portland Maine	Address:	
Building Contact:	Peter Hogh		Owner Contact:	007 000 0575
Telephone:	207-232-95	575	Telephone:	207-232-9575
			Email:	
Monitoring Entity			Approving Ager	<u>1CV</u>
Contact: HSMC			Contact:	
Telephon€ 1800-933			Telephone:	
Account No.:	202-8042	_		
Type of Transmis	sion:		Service:	
Cellular Dialer			Teleguard	
Contain Dialor				11115-1
Panel:				
Control Unit Manuf	facturer		Model	
Notifier			NFW2-100	
		_		
Circuit Styles:	В	_		
ALARM INTIA	TING DEV	ICES		
Device Type		Total Quantity	Tested	I Quantity
Manual Station	าร	7	7	
Ion Detectors				
Photo Detecto	rs	3	3	
Duct Detectors				
Heat Detectors				***************************************
Waterflow Swi		1	1	
Supervisory S	witches	1	1	
Low Air		1	1	
Other (Specify)			
ALARM NOTI	FICATION	APPLIANCES		
Device Type		Total Quantity	Tested	l Quantity
Horn/Strobes		16		
Strobes		7		
Horns				
Chimes				
Speaker/Strob	es			
Mini Horn		2		
Other (Specify)		,	-
Are circ	uits Superv	rised? ☑ Yes	□No	

PRIOR TO ANY TESTING

NOTIFICATIONS ARE MADE:					
	YES NO	WHO	TIME		
MONITORING ENTITY	x] .			
BUILDING OCCUPANTS	х				
BUILDING MANAGEMENT	x				
SYST	EM TESTS AN	ND INSPECTIONS			
ТҮРЕ	VISUAL	FUNCTIONAL	COMMENTS		
CONTROL PANEL	x	x			
INTERFACE/EQ.	х	x			
LAMPS/LEDS	x	X			
FUSES					
TROUBLE SIGNALS	x	X			
GROUND FAULT MONITOR	ING				
SECONDARY POWER	x	x			
TYPE	VISUAL	FUNCTIONAL	COMMENTS		
BATTERY CONDITION	x	x	NEW		
LOAD VOLTAGE			NEW		
CHARGER TEST	x	x			
REMOTE ANNUNCATORS			N/A		
NOTIFICATIONS APPLIANCE	ES				
AUDIBLE	x	х			
VISUAL	x		<u> </u>		
Emergency Communications	Equipment				
	<u>VISUA</u> L	FUNCTIONAL	COMMENTS		
Phone Set					
Phone Jacks					
Off-Hook Indicator					
Amplifier(s)					
Tone Generator(s)					
Call-In Signal					
System Performance			The second secon		
ON/OFF PREMISES MONITO					
	YES NO	TIME	COMMENTS		
ALARM SIGNAL	X				
ALARM RESTORAL	x				
TROUBLE SIGNAL	X				
TROUBLE RESTORAL	X				
SUPERVISORY SIGNAL	X	 			
SUPERVISORY RESTORAL	X				
NOTIFICATIONS THAT TESTING IS COMPLETE:					

NOTIFICATIONS THAT TESTING IS COMPLETE:

YES NO WHO

TIME

BUILDING MANAGEMENT	Х		
MONITORING AGENCY	X		<u></u>
BUILDING OCCUPANTS			



SYSTEM SECONDARY POWER

	SIZE	LOAD VOLTAGE	<u>AMPERES</u>	DATE TESTED	<u>PASS</u>	<u>FAIL</u>
FACP Left Battery Right Battery	12 AH 12 AH	12 VDC 12 VDC	NEW NEW		NEW NEW	
Dialer Batery	7 AH	12VDC	NEW		NEW	
POWER SUPPLY Left Battery Right Battery						
POWER SUPPLY Left Battery Right Battery						
POWER SUPPLY Left Battery Right Battery						



LOCATION DEVICE TYPE NOTES 3rd Floor Apartment Left Smoke 3rd Floor Apartment Right Smoke 2nd Floor Stair Above Panel Smoke 3rd Floor Apartment Left PS PS 3rd Floor Apartment Right 3rd Floor Apartment Left MH 3rd Floor Apartment Left Strobe 3rd Floor Apartment Left Strobe 3rd Floor Apartment Left HS 3rd Floor Apartment Right MH 3rd Floor Apartment Right Strobe 3rd Floor Apartment Right Strobe 3rd Floor Apartment Right HS 2nd Floor Bussiness Strobe 2nd Floor Bathroom Strobe 2nd Floor Hall HS 2nd Floor Hall PS 1st Floor Right Space Strobe 1st Floor Right Space Strobe 1st Floor Right Space PS XXX 1st Floor Right Space HS 1st Floor Center Space PS 1st Floor Center Space HS Х 1st Floor Left Space HS Х 1st Floor Left Space PS X 1st Floor Left Space Bathrm Strobe Panel Stairwell PS **Basement Left** Low Air Basment Left Flow Basement Left Tamper Basement Left HS Basement Left HS Basement Right HS Basement Right HS

All Devices operated properly at the time of test.

SYSTEM RESTORED TO NORM	AL OPERATION:	DATE:	11/13/12	IIME:_	11:00
THIS TESTING WAS PERFORMI APPLICABLE NFPA STANDARD					
NAME OF INSPECTOR: OAll content included in our transmittals either print video clips, digital downloads, data compilations UNSPECTOR BIGNATURE	Dana Champagne ed or efectionic, such as text, graphes, topos, button a software is the property of North Inc. or its content	icons, images	s, audio citps, I protected by		
CUSTOMER SIGNATURE:					

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.

١.	PROPERTY INFORMATION
	Name of property: 574 Congress Street
	Address: 574 Congress Street Portland Maine
	Description of property: Business/Apartments
	Occupancy type: Commercial
	Name of property representative: Peter Hoglund
	Address: N/A
	Phone: 207-232-9575 Fax: E-mail:
	Authority having jurisdiction over this property: Portland FD
	Phone: 207-874-8576 Fax: E-mail:
2.	INSTALLATION, SERVICE, AND TESTING CONTRACTOR INFORMATION
	Installation contractor for this equipment:
	Address: 2257 West Broadway South Portland Maine
	License or certification number:
	Phone: 207-883-3473 Fax: E-mail:
	Service organization for this equipment: Norris Inc
	Address: 2257 West Broadway South Portland Maine
	License or certification number:
	Phone: 207-883-3473
	A contract for test and inspection in accordance with NFPA standards is in effect as of:
	Contracted testing company: N/A
	Address:
	Phone: Fax: E-mail:
	Contract expires: Contract number: Frequency of routine inspections:
3	. DESCRIPTION OF SYSTEM OR SERVICE
	☑ Fire alarm system (nonvoice)
	☐ Fire alarm with in-building fire emergency voice alarm communication system (EVACS)
	☐ Mass notification system (MNS)
	Combination system, with the following components:
	☐ Fire alarm ☐ EVACS ☐ MNS ☐ Two-way, in-building, emergency communication system
	Other (specify): NFPA 72, Fig. 10.18.2.1.1 (p. 1 of 12)

3. DESCRIPTION OF SYSTEM OR SERVICE (continued)

NFPA 72 edition:	Additional description of sy	ystem(s):			
3.1 Control Unit Manufacturer: Notifier 3.2 Mass Notification System		Model number: NFW2-100 ☐ This system does not incorporate an MNS			
3.2.1 System Type: ☐ In-building MNS—combination ☐ In-building MNS—stand-alone ☐ Other (specify):	☐ Wide-area MNS ☐ Distributed	recipient MNS			
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) ☐ Wide-area MNS to high-power spec ☐ Other (specify):	☐ Direct recipient MNS (DRMNS) aker array (HPSA) interface ☐ In-build	☐ Wide-area MNS to DRMNS interface ding MNS to wide-area MNS interface			
3.3 System Documentation ☑ An owner's manual, a copy of the manufacturer's instructions, a written sequence of operation, and a copy of the numbered record drawings are stored on site. Location: Document Box next to Panel 3.4 System Software					
Operating system (executive) software Site-specific software revision date: \[\sum A copy of the site-specific software \]	N/A Revision e is stored on site. Location:	completed by: Factory			
3.5 Off-Premises Signal Transmission		stem does not have off-premises transmission.			
Name of organization receiving alarm Alarm: HSMC Supervisory: HSMC Trouble: HSMC Entity to which alarms are retransmitt Method of retransmission:	, <u></u> <u>-</u>				
Cellular Dialer If Chapter 27, specify the type of aux		☐ Shunt ☐ Wired ☑ Wireless			

4. CIRCUITS AND PATHWAYS

4.1 Signaling Line Pathways
4.1.1 Pathways Class Designations and Survivability
Pathways class: Survivability level: Quantity: 1 (See NFPA 72, Sections 12.3 and 12.4)
4.1.2 Pathways Utilizing Two or More Media
Quantity: Description:
4.1.3 Device Power Pathways
☑ No separate power pathways from the signaling line pathway
☐ Power pathways are separate but of the same pathway classification as the signaling line pathway
Power pathways are separate and different classification from the signaling line pathway
4.1.4 Isolation Modules
Quantity: 0
4.2 Alarm Initiating Device Pathways
4.2.1 Pathways Class Designations and Survivability
Pathways class: N/A Survivability level: N/A Quantity: N/A (See NFPA 72, Sections 12.3 and 12.4)
4.2.2 Pathways Utilizing Two or More Media
Quantity: N/A Description:
4.2.3 Device Power Pathways
☐ No separate power pathways from the initiating device pathway
☐ Power pathways are separate but of the same pathway classification as the initiating device pathway
☐ Power pathways are separate and different classification from the initiating device pathway
4.3 Non-Voice Audible System Pathways
4.3.1 Pathways Class Designations and Survivability
Pathways class: N/A Survivability level: N/A Quantity: N/A (See NFPA 72, Sections 12.3 and 12.4)
4.3.2 Pathways Utilizing Two or More Media
Quantity: Description:
4.3.3 Device Power Pathways
☑ No separate power pathways from the notification appliance pathway
Power pathways are separate but of the same pathway classification as the notification appliance pathway
Power pathways are separate and different classification from the notification appliance pathway

5. ALARM INITIATING DEVICES

5.1 Manual Initiating Devices			
5.1.1 Manual Fire Alarm Boxes	□ TI	nis system does not ha	ve manual fire alarm boxes.
Type and number of devices: Addressable: 7	Conventional:	Coded:	Transmitter:
Other (specify):			
5.1.2 Other Alarm Boxes		☑ This system doe	es not have other alarm boxes.
Description:	**		
Type and number of devices: Addressable:	Conventional:	Coded:	Transmitter:
Other (specify):			
5.2 Automatic Initiating Devices			
5.2.1 Smoke Detectors		☐ This system doe	es not have smoke detectors.
Type and number of devices: Addressable: 3	Conventional:		
Other (specify):			
Type of coverage:	a Nonrequired	partial area	
Other (specify):			
Type of smoke detector sensing technology:	ization 🗵 Photoe	lectric	ria Aspirating Beam
Other (specify):			
5.2.2 Duct Smoke Detectors		oes not have alarm-ca	using duct smoke detectors.
Type and number of devices: Addressable:	Conventional:		
Other (specify):			
Type of coverage:			
Type of smoke detector sensing technology: \Box for		electric	
5.2.3 Radiant Energy (Flame) Detectors	⊠ T	his system does not he	ave radiant energy detectors.
Type and number of devices: Addressable:	Conventional:	-	
Other (specify):		-	
Type of coverage:			
5.2.4 Gas Detectors			n does not have gas detectors.
Type of detector(s):			
Number of devices: Addressable: Conve	entional:		
Type of coverage:			
5.2.5 Heat Detectors			n does not have heat detectors.
Type and number of devices: Addressable:	Conventional:		
Type of coverage:	area 🔲 Nonrequir	<u> </u>	inear Spot
Type of heat detector sensing technology:	d temperature	Rate-of-rise	te compensated

5.	ALARM INITIATING DEVICES (continued) 5.2.6 Addressable Monitoring Modules Number of devices: 3	☐ This system does	not have monitoring modules.
	5.2.7 Waterflow Alarm Devices Type and number of devices: Addressable: Convention		have waterflow alarm devices. Transmitter:
	5.2.8 Alarm Verification Number of devices subject to alarm verification: 3	Alarm verification s	incorporate alarm verification. set for: 30 seconds
	5.2.9 Presignal Number of devices subject to presignal: Describe presignal functions: 5.2.10 Positive Alarm Sequence (PAS) Describe PAS: 5.2.11 Other Initiating Devices	⊠ This	does not incorporate pre-signal. system does not incorporate PAS. s not have other initiating devices.
6.	Describe: SUPERVISORY SIGNAL-INITIATING DEVICES 6.1 Sprinkler System Supervisory Devices		ve sprinkler supervisory devices. Transmitter:
	Type and number of devices: Addressable: 1 Convention Other (specify): 6.2 Fire Pump Description and Supervisory Devices Type fire pump:	☐ This sys	tem does not have a fire pump.
	6.2.1 Fire Pump Functions Supervised Power Running Phase reversal Selector switch not Other (specify):	in auto 🔲 Engine or co	ontrol panel trouble 🔲 Low fuel
			OSDs causing supervisory signals.
	Type of coverage: Type of smoke detector sensing technology: Innization 6.4 Other Supervisory Devices Describe: Low Air	Photoelectric	rating

NFPA 72, Fig. 10.18.2.1.1 (p. 5 of 12)

7.	MONITORED SYSTEMS						
	7.1 Engine-Driven Generator	☐ This system does not have a generator					
	7.1.1 Generator Functions Supervised						
	☐ Engine or control panel trouble ☐ Generator runn	ing					
	☐ Other (specify):	and the second of the second o					
	7.2 Special Hazard Suppression Systems	☐ This system does not monitor 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 not have annunciators.					
	8.1 Location and Description of Annunciators						
	Location 1: N/A						
	Location 2: N/A						
	Location 3: N/A						
9.	ALARM NOTIFICATION APPLIANCES						
	9.1 In-Building Fire Emergency Voice Alarm Communication System						
	Number of single voice alarm channels:	Number of multiple voice alarm channels:					
	Number of speakers:	Number of speaker circuits:					
	Location of amplification and sound-processing equipment:						
	Location of paging microphone stations:						
	Location 1:						
	Location 2:						
	Location 3:						
	9.2 Nonvoice Notification Appliances	☐ This system does not have nonvoice notification appliances.					
	Horns: With visible:	Bells: With visible: 16					
	Chimes: With visible:						
	Visible only: 8 Other (describe):						
	9.3 Notification Appliance Power Extender Panels	☑ This system does not have power extender panels					
	Quantity:						
	Locations:						

10. MASS NOTIFICATION CONTRO	OLS, APPLIANCES,	AND CIRCUITS	☑ This system does no	t 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 zon	nes:			
Location 1:				
Location 2:				
Location 3:				
10.3 Mass Notification Devices				
Combination fire alarm/MNS visible ap	pliances:	MNS-only	visible appliances:	=
Textual signs:	Other (describe):			
Supervision class:				
10.3.1 Special Hazard Notification				
This system does not have special su	ppression predischarge n	otification.		
MNS systems DO NOT override not predischarge notification.	ification appliances requi	red to provide specia	I suppression	
11. TWO-WAY EMERGENCY COM	MUNICATION SYSTI	EMS		
11.1 Telephone System	C	☑ This system does r	ot have a two-way telepl	none system.
Number of telephone jacks installed:		Number of warden s	ations installed:	
Number of telephone handsets stored on	site:		·	
Type of telephone system installed:	Electrically powered	☐ Sound powered		
11.2 Two-Way Radio Communication	ns Enhancement System	l.		
☐ This system does not have a two-way	radio communications e	nhancement system.		
Percentage of area covered by two-way	radio service: Critical a	reas: %	General building areas:	%
Amplification component locations:				
Inbound signal strength:	dBm Out	bound signal strengtl	ı:	dBm
Donor antenna isolation is:	dB above th	e signal booster gain		
Radio frequencies covered:				
Radio system monitor panel location:				

11. TWO-WAY EMERGENCY COMMUNICATION SYSTEMS (continued) 11.3 Area of Refuge (Area of Rescue Assistance) Emergency Communications Systems Mark This system does not have an area of refuge (area of rescue assistance) emergency communications system. Location of central control point: Number of stations: 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 communications system. Location of central control point: Number of elevators with stations: 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: ☐ HVAC shutdown ☐ F/S dampers ☐ Smoke management ☑ Hold-open door releasing devices ☐ Extinguishing agent release ☐ Door unlocking ☐ Elevator recall ☐ Fuel source shutdown Mass notification system override of fire alarm notification appliances ☐ Elevator shunt trip Other (specify): ☐ This system does not have control modules. 12.1 Addressable Control Modules Number of devices: Other (specify): 13. SYSTEM POWER 13.1 Control Unit 13.1.1 Primary Power 120 VAC Control panel amps: Input voltage of control panel: 20 Amps Overcurrent protection: Type: Circuit Breaker Amps: Basement Main Panel Location (of primary supply panel board): Breaker Disconnecting means location: ☑ This system does not have a generator. 13.1.2 Engine-Driven Generator Location of generator:

NFPA 72, Fig. 10.18.2.1.1 (p. 8 of 12)

Location of fuel storage:

Type of fuel:

13. SYSTEM POWER (continued)

13.1.3 Uninterruptible Power System	☐ This system does not have a UPS.			
Equipment powered by a UPS system:				
Location of UPS system:				
Calculated capacity of UPS batteries to drive the system	n components connected to it:			
In standby mode (hours):	In alarm mode (minutes):			
13.1.4 Batteries				
Location: FACP Type: Lead	Nominal voltage: 12VDC Amp/hour rating: 12 AH			
Calculated capacity of batteries to drive the system:				
In standby mode (hours): N/A	In alarm mode (minutes): N/A			
☐ Batteries are marked with date of manufacture	☐ Battery calculations are attached			
13.2 In-Building Fire Emergency Voice Alarm Communication System or Mass Notification System				
☑ This system does not have an EVACS or MNS system	,			
13.2.1 Primary Power				
Input voltage of EVACS or MNS panel:	EVACS or MNS panel amps:			
Overcurrent protection: Type:	Amps:			
Location (of primary supply panel board):	en e			
Disconnecting means location:				
13.2.2 Engine-Driven Generator	☐ This system does not have a generator.			
Location of generator:				
Location of fuel storage:	Type of fuel:			
13.2.3 Uninterruptible Power System	☐ This system does not have a UPS.			
Equipment powered by a UPS system:				
Location of UPS system:				
Calculated capacity of UPS batteries to drive the system	n components connected to it:			
In standby mode (hours):	In alarm mode (minutes):			
13.2.4 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	☐ Battery calculations are attached			

13. SYSTEM POWER (continued)	
13.3 Notification Appliance Power Extender Panels	☑ This system does not have power extender pane
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 generat
Location of generator:	
Location of fuel storage:	Type of fuel:
13.3.3 Uninterruptible Power System	☐ This system does not have a UP:
Equipment powered by a UPS system:	
Location of UPS system:	
Calculated capacity of UPS batteries to drive the system compo	nents connected to it:
In standby mode (hours):	In alarm mode (minutes):
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 ☐ Batteries	ery calculations are attached
14. RECORD OF SYSTEM INSTALLATION	
Fill out after all installation is complete and wiring has been ch branching, but before confucting operational acceptance tests.	necked for opens, shorts, ground faults, and improper
This is a: ⊠ New system ☐ Modification to an existing	system Permit number:
The system has been installed in accordance with the 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):	
System deviations from referenced NFPA standards:	
Signed: Printed name	Dana Champagne Date: 11-13-12
Organization: Norris Inc Title: Insta	aller/Technician Phone: 207-883-347

15. RECORD OF SYSTEM OPERATIONAL ACCEPTANCE TEST New system All operational features and functions of this system were tested by, or in the presence of, the signer shown below, on the date shown below, and were found to be operating properly in accordance with the requirements for the following: ☐ Modifications to an existing system All newly modified operational features and functions of the system were tested by, or in the presence of, the signer shown below, on the date shown below, and were found to be operating properly in accordance with the requirements of the following: ☐ NFPA 72, Edition: ☐ NFPA 70, National Electrical Code, Article 760, Edition: Manufacturer's published instructions Other (specify): ☑ Individual device testing documentation [Inspection and Testing Form (Figure 14.6.2.4) is attached] Dana Champagne Date: 11-13-12 Printed name: 207-883-3473 Installer/Technician Phone: Organization: Norris Inc 16. CERTIFICATIONS AND APPROVALS 16.1 System Installation Contractor: This system, as specified herein, has been installed and tested according to all NFPA standards cited herein. Printed name: Dana Champagne 11-13-12 Date: Signed: 207-883-3473 Organization: Norris Inc Title: Installer/Technician Phone: 16.2 System Service Contractor:

The undersigned has a service contract for this system in effect as of the date shown below.

Signed: Dana Champagne Date: 11-13-12
Organization: Norris Inc Title: Installer/Technician Phone: 207-883-3473

16.3 Supervising Station:

This system, as specified herein, will be monitored according to all NFPA standards cited herein.

Signed: Printed name: Date:

Organization: HSMC Title: Phone: 1-800-933-4762

16. CERTIFICATIONS AND APPROVALS (continued)

16.4 Property or Owner Representative:

This system, as specified herein, will be monitored according to all NFPA standards cited herein.

Signed: Organization:	Printed name: Title:	Date: Phone:		
16.5 Authority Having Jurisdiction:				
I have witnessed a satisfactory acceptance test of this system and find it to be installed and operating properly in accordance with its approved plans and specifications, with its approved sequence of operations, and with all NFPA standards cited herein.				
Signed:	Printed name:	Date:		
Organization:	Title:	Phone:		