

8-14-12 DWM/BKL Ross 653-8571 close-in OK except
rated walls. will review at above grid.

9-28-12 GF

TCO. → compliance RB ALLEN

10-3-12 GF REC. EMAIL PHOTOS: FIRE STOP IN JANITORS CLOSET

City of Portland, Maine - Building or Use Permit Application

389 Congress Street, 04101 Tel: (207) 874-8703, FAX: (207) 8716

Job No: 2012-05-4130-ALTCOMM	Date Applied: 5/31/2012	CBL: 032- K-012-001	
Location of Construction: 1 MONUMENT SQ - 6 th floor	Owner Name: MURRAY W TR FINARD	Owner Address: ONE MONUMENT SQUARE SUITE 200 PORTLAND, ME 04101	Phone: 404-240-4143
Business Name:	Contractor Name: PC CONSTRUCTION -John Burrell	Contractor Address: 131 PRESUMPCOT STREET, PORTLAND, ME 04103	Phone: 874-2323 X114
Lessee/Buyer's Name:	Phone:	Permit Type: BLDG ALT	Zone: B-3
Past Use: Offices	Proposed Use: Same: Offices -renovation of 1/2 of 6 th floor for offices of lawyers Fisher Phillips as per plans	Cost of Work: \$287,000.00	CEO District:
		Fire Dept: 7/3/12 <input checked="" type="checkbox"/> Approved w/ conditions <input type="checkbox"/> Denied <input type="checkbox"/> N/A Signature: <i>[Signature]</i> (58)	Inspection: Use Group: B Type: IB IB-2009 Signature: <i>[Signature]</i>
Proposed Project Description: Renovations on 6th floor		Pedestrian Activities District (P.A.D.) 7/9/12	
Permit Taken By: Brad		Zoning Approval	

1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.
2. Building Permits do not include plumbing, septic or electrical work.
3. Building permits are void if work is not started within six (6) months of the date of issuance. False informatin may invalidate a building permit and stop all work.

Special Zone or Reviews

- Shoreland
- Wetlands
- Flood Zone
- Subdivision
- Site Plan

___ Maj ___ Min MM

Date: *06/11/12*

CERTIFICATION

Zoning Appeal

- Variance
- Miscellaneous
- Conditional Use
- Interpretation
- Approved
- Denied

Date:

Historic Preservation

- Not in Dist or Landmark
- Does not Require Review
- Requires Review
- Approved
- Approved w/Conditions
- Denied

Date: *any exterior work requires A separate review & approval*

SCANNED

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE		DATE	PHONE



Certificate of Occupancy



CITY OF PORTLAND, MAINE Department of Planning and Urban Development Building Inspections Division

Location: 1 MONUMENT SQ

CBE: 03 - K-012-001

Issued to: MURRAY W FINARD TR

Date Issued: 9/28/2012

This is to certify that the building, premises, or part thereof, at the above location, built-altered-changed as to use under Building Permit No. 2012-05-4130-ALTCOMM, has had a final inspection, has been found to conform substantially to the requirements of the Building Code and the Land Use Code of the City of Portland, and is hereby approved for occupancy or use, limited or otherwise, as indicated below.

PORTION OF BUILDING OR PREMISES

6th FLOOR

APPROVED OCCUPANCY

USE GROUP: B / OFFICES

TYPE: 1B

IBC 2009

LIMITING CONDITIONS: NEED FIRE ALARM CERTIFICATION

EXPIRES: 10/12/2012

Approved:

9/28/2012

(Date)

Inspector

Inspections Division Director

Notice: This certificate identifies the legal use of the building or premises, and ought to be transferred from owner to owner upon the sale of the property.

TEMPORARY

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



CITY OF PORTLAND BUILDING PERMIT

This is to certify that MURRAY W TR FINARD

Located At 1 MONUMENT SQ

Job ID: 2012-05-4130-ALTCOMM

CBL: 032-K-012-001

has permission to Renovate approximately 1/2 of the 6th floor for new law office tenant Fisher Phillips provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statues of Maine and of the Ordinances of the City of Portland regulating the construction, maintenance and use of the buildings and structures, and of the application on file in the department.

Notification of inspection and written permission procured before this building or part thereof is lathed or otherwise closed-in. 48 HOUR NOTICE IS REQUIRED.

A final inspection must be completed by owner before this building or part thereof is occupied. If a certificate of occupancy is required, it must be

Fire Prevention Officer



Code Enforcement Officer / Plan Reviewer

7/8/12

THIS CARD MUST BE POSTED ON THE STREET SIDE OF THE PROPERTY
PENALTY FOR REMOVING THIS CARD

Plans in Large Plan area

SCANNED

BUILDING PERMIT INSPECTION PROCEDURES

Please call 874-8703 or 874-8693 (ONLY)

or email: buildinginspections@portlandmaine.gov

With the issuance of this permit, the owner, builder or their designee is required to provide adequate notice to the city of Portland Inspections Services for the following inspections. Appointments must be requested 48 to 72 hours in advance of the required inspection. The inspection date will need to be confirmed by this office.

- **Please read the conditions of approval that is attached to this permit!! Contact this office if you have any questions.**
- **Permits expire in 6 months. If the project is not started or ceases for 6 months.**
- **If the inspection requirements are not followed as stated below additional fees may be incurred due to the issuance of a "Stop Work Order" and subsequent release to continue.**

Close In Elec/Plmb/Frame prior to insulate or gyp

Final Inspection

The project cannot move to the next phase prior to the required inspection and approval to continue, REGARDLESS OF THE NOTICE OF CIRCUMSTANCES.

IF THE PERMIT REQUIRES A CERTIFICATE OF OCCUPANCY, IT MUST BE PAID FOR AND ISSUED TO THE OWNER OR DESIGNEE BEFORE THE SPACE MAY BE OCCUPIED.



PORTLAND MAINE

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Acting Director of Planning and Urban Development
Gregory Mitchell

Job ID: 2012-05-4130-ALTCOMM

Located At: 1 MONUMENT SQ

CBL: 032- K-012-001

Conditions of Approval:

Fire

1. All construction shall comply with City Code Chapter 10.
2. This permit is being approved on the basis of the plans submitted. Any deviation from the plans would require amendments and approval.
3. Any Fire alarm or Sprinkler systems shall be reviewed by a licensed contractor(s) for code compliance. Compliance letters are required.
4. A separate Fire Alarm Permit is required for new systems; or for work effecting more than 5 fire alarm devices; or replacement of a fire alarm panel with a different model. This review does not include approval of fire alarm system design or installation.
5. Fire Alarm system shall be maintained. If system is to be off line over 4 hours a fire watch shall be in place. Dispatch notification required 874-8576.
6. The sprinkler system shall be installed in accordance with NFPA 13.
7. A separate Suppression System Permit is required for all new suppression systems or sprinkler work effecting more than 20 heads. This review does not include approval of sprinkler system design or installation.
8. Sprinkler supervision shall be provided in accordance with NFPA 101, *Life Safety Code*, and NFPA 72, *National Fire Alarm and Signaling Code*.
9. Sprinkler protection shall be maintained. Where the system is to be shut down for maintenance or repair, the system shall be checked at the end of each day to insure the system has been placed back in service.
10. System acceptance and commissioning must be coordinated with alarm and suppression system contractors and the Fire Department. Call 874-8703 to schedule.
11. Installation of a sprinkler or fire alarm system requires a Knox Box to be installed per city ordinance.
12. Fire extinguishers are required per NFPA 1.
13. Emergency lights and exit signs are required. Emergency lights and exit signs are required to be labeled in relation to the panel and circuit and on the same circuit as the lighting for the area they serve.
14. Any cutting and welding done will require a Hot Work Permit from Fire Department.
15. Walls in structure are to be labeled according to fire resistance rating. IE; 1 hr. / 2 hr. / smoke proof.
16. A single source supplier should be used for all through penetrations.

Building

1. Application approval based upon information provided by the applicant or design professional. Any deviation from approved plans requires separate review and approval prior to work.
2. Separate permits are required for any electrical, plumbing, sprinkler, fire alarm, HVAC systems, heating appliances, including pellet/wood stoves, commercial hood exhaust systems and fuel tanks. Separate plans may need to be submitted for approval as a part of this process.



General Building Permit Application

Entire 5/31/12

If you or the property owner owes real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted.

2012-05-4130-ALT COMM

Location/Address of Construction: 1 Monument Square, 6th Floor		
Total Square Footage of Proposed Structure/Area 5,224 of leased space		Square Footage of Lot Existing
Tax Assessor's Chart, Block & Lot Chart# Block# Lot# 32-K-12	Applicant * must be owner, Lessee or Buyer* Name Fisher Phillips, LLP Address 1075 Peachtree St NE City, State & Zip Atlanta, GA 30309	Telephone: 404-240-4143
Lessee/DBA (If Applicable) Fisher Phillips, LLP 1075 Peachtree St NE Atlanta, GA 30309	Owner (if different from Applicant) Name Finard Properties, LLC Address One Monument Square City, State & Zip Portland, ME 04101	Cost Of Work: \$ 287,000. C of O Fee: \$ 75.00 Total Fee: \$ 2,965.
Current legal use (i.e. single family) <u>Office Space</u> If vacant, what was the previous use? <u>Office Space</u> Proposed Specific use: <u>Office Space</u> Is property part of a subdivision? <u>NO</u> If yes, please name _____ Project description: Renovation of approximately half of the 6th floor into office space for the lawyers of Fisher Phillips. New walls, flooring, electrical, HVAC, doors, mill work & finish carpentry, paint, & acoustical ceilings		
Contractor's name: <u>PC Construction</u> Address: <u>131 Presumpscot Street</u> City, State & Zip <u>Portland, ME 04103</u> Telephone: <u>207-874-2323</u> Who should we contact when the permit is ready: <u>John Burrell</u> Telephone: <u>207-874-2323</u> Mailing address: <u>Same as Above</u> x 114		

Please submit all of the information outlined on the applicable Checklist. Failure to do so will result in the automatic denial of your permit.

RECEIVED

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information or to download copies of this form and other applications visit the Inspections Division on-line at www.portlandmaine.gov/prof or to the Inspections Division office, room 315 City Hall or call 874-8703.

MAY 31 2012
Dept. of Building Inspections
City of Portland, Maine

I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature: John Burrell Date: 5/31/12

This is not a permit; you may not commence ANY work until the permit is issue



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Receipts Details:

Tender Information: Check , Check Number: 832377

Tender Amount: 2965.00

Receipt Header:

Cashier Id: bsaucier

Receipt Date: 5/31/2012

Receipt Number: 44491

Receipt Details:

Referance ID:	6725	Fee Type:	BP-Constr
Receipt Number:	0	Payment Date:	
Transaction Amount:	2890.00	Charge Amount:	2890.00
Job ID: Job ID: 2012-05-4130-ALTCOMM - Renovations on 6th floor			
Additional Comments: 1 Monument Sq			

Referance ID:	6726	Fee Type:	BP-C of O
Receipt Number:	0	Payment Date:	
Transaction Amount:	75.00	Charge Amount:	75.00
Job ID: Job ID: 2012-05-4130-ALTCOMM - Renovations on 6th floor			

Additional Comments:

Thank You for your Payment!



Certificate of Design Application

From Designer: Roberto Paredes
 Date: 5/17/12
 Job Name: Interior Tenant Fit-up for Fisher & Phillips (Law Firm)
 Address of Construction: One Monument Square, 6th Floor Portland, ME 04101

2003 International Building Code

Construction project was designed to the building code criteria listed below:
Maine Uniform Building and Energy Code

Building Code & Year IBC 2009 Use Group Classification (s) Business
 Type of Construction IB Sprinklered (Existing)
 Will the Structure have a Fire suppression system in Accordance with Section 903.3.1 of the 2003 IRC Yes - Existing
 Is the Structure mixed use? NO If yes, separated or non separated or non separated (section 302.3) N/A
 Supervisory alarm System? YES Geotechnical/Soils report required? (See Section 1802.2) NO

Structural Design Calculations (EXISTING BUILDING)

Submitted for all structural members (106.1 - 106.11)

Design Loads on Construction Documents (1603)

Uniformly distributed floor live loads (7603.11, 1807)

Floor Area Use	Loads Shown

Wind loads (1603.1.4, 1609)

N/A Design option utilized (1609.1.1, 1609.6)
 Basic wind speed (1809.3)
 Building category and wind importance Factor, w
table 1604.5, 1609.5)
 Wind exposure category (1609.4)
 Internal pressure coefficient (ASCE 7)
 Component and cladding pressures (1609.1.1, 1609.6.2.2)
 Main force wind pressures (7603.1.1, 1609.6.2.1)

Earth design data (1603.1.5, 1614-1623)

N/A Design option utilized (1614.1)
 Seismic use group ("Category")
 Spectral response coefficients, SDs & SDI (1615.1)

BUILDING IS EXISTING.
Site class (1615.1.5)

FOR STRUCTURAL, PLEASE REFER TO ATTACHED LETTER FROM STRUCTURAL ENGINEER WHICH INDICATES THAT THE EXISTING FLOOR IS ADEQUATE TO HOLD THE HIGH DENSITY FILE SYSTEM & NO REINFORCEMENT IS NECESSARY.

Live load reduction
 Roof live loads (1603.1.2, 1607.11)
 Roof snow loads (1603.7.3, 1608)
 Ground snow load, P_g (1608.2)
 If $P_g > 10$ psf, flat-roof snow load P_f
 If $P_g > 10$ psf, snow exposure factor, C_e
 If $P_g > 10$ psf, snow load importance factor, I_s
 Roof thermal factor, C_t (1608.4)
 Sloped roof snowload, P_s (1608.4)
 Seismic design category (1616.3)
 Basic seismic force resisting system (1617.6.2)
 Response modification coefficient, R , and
 deflection amplification factor C_d (1617.6.2)
 Analysis procedure (1616.6, 1617.5)
 Design base shear (1617.4, 1617.5.1)

Flood loads (1803.1.6, 1612)

N/A Flood Hazard area (1612.3)
 Elevation of structure

Other loads

Concentrated loads (1607.4)
 Partition loads (1607.5)
 Misc. loads (Table 1607.8, 1607.6.1, 1607.7,
 1607.12, 1607.13, 1610, 1611, 2404)



Commercial Interior & Change of Use Permit Application Checklist

All of the following information is required and must be submitted. Checking off each item as you prepare your application package will ensure your package is complete and will help to expedite the permitting process.

One (1) complete set of construction drawings must include:

Note: Construction documents for costs in excess of \$50,000.00 must be prepared by a Design Professional and bear their seal.

- Cross sections w/framing details
- Detail of any new walls or permanent partitions
- Floor plans and elevations
- Window and door schedules
- Complete electrical and plumbing layout.
- Mechanical drawings for any specialized equipment such as furnaces, chimneys, gas equipment, HVAC equipment or other types of work that may require special review
- Insulation R-factors of walls, ceilings, floors & U-factors of windows as per the IECC 2003
- Proof of ownership is required if it is inconsistent with the assessors records.
- Reduced plans or electronic files in PDF format are required if originals are larger than 11" x 17".
- Per State Fire Marshall, all new bathrooms must be ADA compliant.

Separate permits are required for internal and external plumbing, HVAC & electrical installations.

For additions less than 500 sq. ft. or that does not affect parking or traffic, a site plan exemption should be filed including:

- The shape and dimension of the lot, footprint of the existing and proposed structure and the distance from the actual property lines.
- Location and dimensions of parking areas and driveways, street spaces and building frontage.
- Dimensional floor plan of existing space and dimensional floor plan of proposed space.

A Minor Site Plan Review is required for any change of use between 5,000 and 10,000 sq. ft. (cumulatively within a 3-year period)

Fire Department requirements.

The following shall be submitted on a separate sheet:

- Name, address and phone number of applicant **and** the project architect. (Drawing Title Page)
- Proposed use of structure (NFPA and IBC classification) (Drawing A0.01)
- Square footage of proposed structure (total and per story) (Drawing A0.01)
- Existing and proposed fire protection of structure. (Existing system to be modified
- Separate plans shall be submitted for _____ for new office layout)
 - a) Suppression system (Contractor and design TBD)
 - b) Detection System (separate permit is required) (Contractor TBD, design per drawing
- A separate Life Safety Plan must include: _____ EY1.06)
 - a) Fire resistance ratings of all means of egress (Existing)
 - b) Travel distance from most remote point to exit discharge (Drawing LS1.06)
 - c) Location of any required fire extinguishers (Drawing A1.06)
 - d) Location of emergency lighting (Drawing EL1.06)
 - e) Location of exit signs (Drawing EL1.06)
 - f) NFPA 101 code summary (Drawing A0.01)
- Elevators shall be sized to fit an 80" x 24" stretcher. (Existing)

For questions on Fire Department requirements call the Fire Prevention Officer at (207) 874-8405.

Please submit all of the information outlined in this application checklist. If the application is incomplete, the application may be refused.

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information or to download copies of this form and other applications visit the Inspections Division on-line at www.portlandmaine.gov, or stop by the Inspections Division office, room 315 City Hall or call 874-8703.

Permit Fee: \$30.00 for the first \$1000.00 construction cost, \$10.00 per additional \$1000.00 cost

This is not a Permit; you may not commence any work until the Permit is issued.



Certificate of Design

Date: May 17, 2012

From: Roberto Paredes

These plans and / or specifications covering construction work on:

Fisher & Phillips - located at one Monument Square,
6th Floor, Portland, Maine 04104

Have been designed and drawn up by the undersigned, a Maine registered Architect / Engineer according to the ~~2003 International Building Code~~ and local amendments.

Maine Uniform Building & Energy Code (MUBEC),
IBC 2009



3932

Signature: 

Title: Vice President / Principal

Firm: ASD, inc.

Address: 55 Ivan Allen Jr. Blvd, suite 100
Atlanta, GA 30308

Phone: 404.688.3318

For more information or to download this form and other permit applications visit the Inspections Division on our website at www.portlandmaine.gov



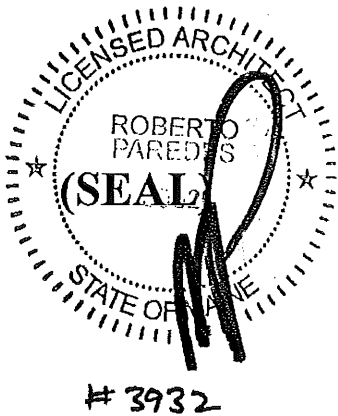
Accessibility Building Code Certificate


Designer: Roberto Paredes

Address of Project: One Monument Square, 6th Floor, Portland, ME 0410

Nature of Project: Interior Tenant Fit-up for law Firm

The technical submissions covering the proposed construction work as described above have been designed in compliance with applicable referenced standards found in the Maine Human Rights Law and Federal Americans with Disability Act. Residential Buildings with 4 units or more must conform to the Federal Fair Housing Accessibility Standards. Please provide proof of compliance if applicable.



Signature: 

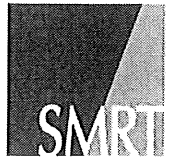
Title: Vice President/Principal

Firm: ASD, inc.

Address: 55 Ivan Allen Jr. Blvd, suite 100
Atlanta, GA 30308

Phone: 404. 688. 3318

For more information or to download this form and other permit applications visit the Inspections Division on our website at www.portlandmaine.gov



May 18, 2012

Building Inspections Division
Portland City Hall
389 Congress Street
Portland, Me 04101
(207) 874-8703

RE: Fisher & Phillips High Density Storage System; 1 Monument Square

To whom it may concern,

We have reviewed the Stamped and Signed Construction documents for the existing structure at 1 Monument Square and find that the weight of the high-density storage system being proposed for installation is within the building's floor design loads.

The drawing reviewed is entitled "General Notes and Misc. Details" and is dated Feb 10, 1969 stamped by Maine Registered Engineer Arbak A. Ardalain of Walker O. Cain and Associates, Architects, 10 Park Avenue New York, NY. This contains a loading schedule indicating the basis for design. The typical floors have been designed for a superimposed load of 120 psf (copy attached). Allowable applied load was determined by reducing the design load by: 4 psf for Mechanical (ASCE 7, TBL C3-1), 3 psf for suspended ACT ceiling system (ASCE 7, TBL C3-1), and 1 psf for roll-type floor finish (ASCE 7, TBL C3-1). This results in a total allowable superimposed load of 112 psf.

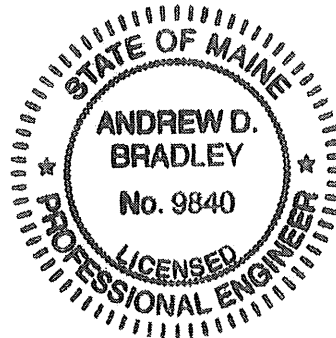
Documentation provided by Southern Business Systems, Inc. (Memorandum dated April 20, 2012) indicates that the total weight of the system filled to capacity is 25,087 pounds distributed over an area of 10'-6" by 19'-3"; including a 3 foot deep access area in front of the entire system provides an area of 260 square feet for load distribution. (Attached)

The total load of the system distributed across the system footprint equates to 96.5 psf, which is below the reduced tabulated superimposed floor load of 112 psf.

Sincerely,
SMRT

A handwritten signature in black ink that reads "Andrew Bradley".

Andrew Bradley, P.E.
Senior Structural Engineer



144 Fore Street
P.O. Box 618
Portland, ME 04104
p 207.772.3846 f 207.772.1070 email

Encl. copy partial original drawing, Southern Business System memorandum

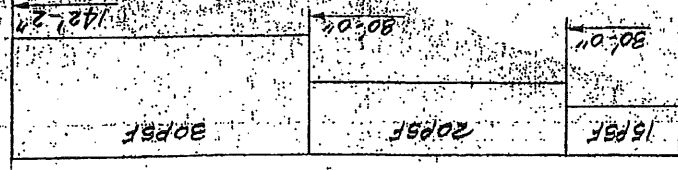
cc. MJC, file: 12045-01.20.22

LOADING SCHEDULE

(ALL LOADS IN SCHEDULE ARE POUND PER SQUARE FOOT)

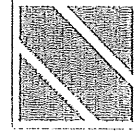
AREA	GLASS	HUNG GELING	FLOORING OR ROOFING	MECHANICAL	MISC.	LIVE LOAD	TOTAL
PENTHOUSE ROOF	54	—	10	—	PIPEDUCT LOAD 20	40	164
ROOF	70	10	10	—	WINDOW CLEANING MACH. 60#	40	190
ELEV. MACH. ROOM	72	—	—	—	—	150	222
MECH. EQUIP. ROOM	110	10	—	—	—	WEIGHT OF MACHINERY +100	220
TYPICAL FLOORS	70	10	5	20	5	80#	190
HALLWAY CORRIDOR	70	10	5	—	5	100#	190
GROUND FLOOR	133	—	20	20	—	125	298
STAIRS	120	—	—	—	—	100	220

Walter O. Clark



WIND PRESSURE DIAGRAM

DESIGNED AND LOADED AS SHOWN SECTION 1002-B



SOUTHERNBUSINESSSYSTEMSINC

Memorandum

To: Naida Mirza / ASD
CC:
From: Gene Reilley / Southern Business Systems, Inc.
Date: April 20, 2012
Re: Fisher & Phillips – Portland ME / High Density Weights & Filing Inches

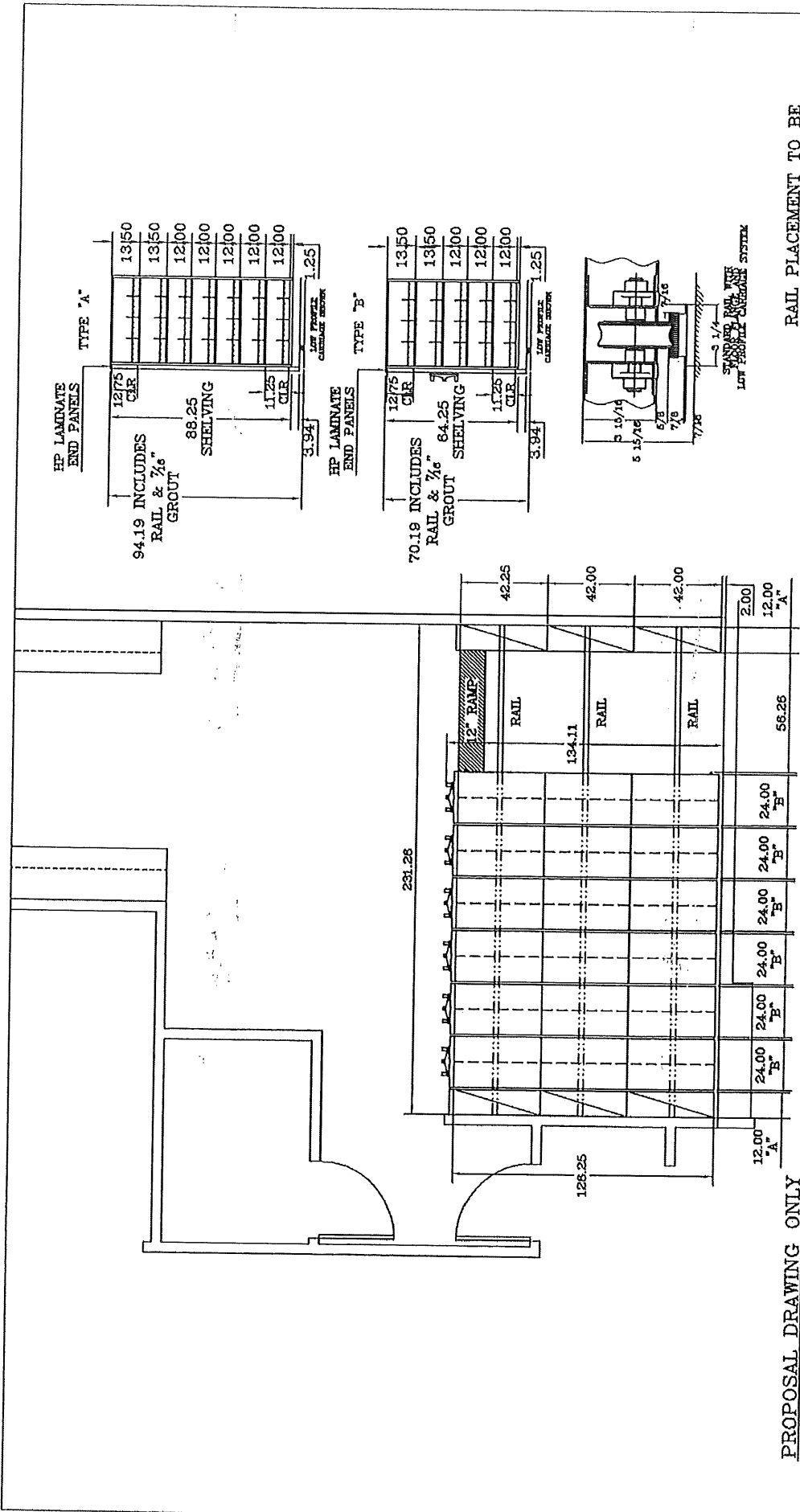
High Density System: 8,880 LFI

Shelving: 88 1/4" High / 8 Shelves - 7 Openings / Clearance: 11 1/4" High – Fixed Sections

Shelving: 64 1/4" High / 6 Shelves - 5 Openings / Clearance: 11 1/4" High – Movable Sections

High Density System Weights: 8,880 LFI x 2.2 LBS.	HD System/Shelving	5,551 lbs
	Media	19,536 lbs
	Total	25,087 lbs

Buyer shall procure and pay for all permits, inspections and structural calculations required by any governmental authority for any part of the work performed. Southern Business Systems is providing weight load information as needed for structural calculations.



PROPOSAL DRAWING ONLY

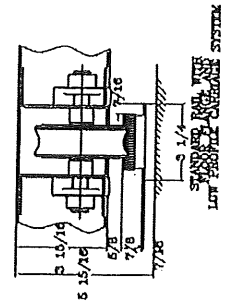
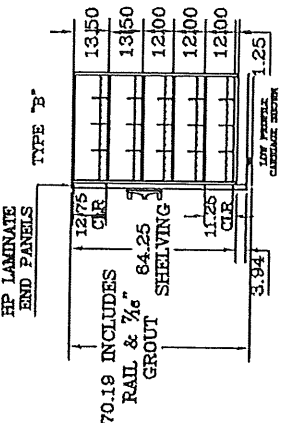
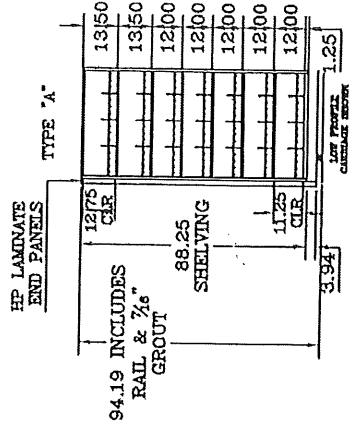
Southern Business Systems



Fisher & Phillips Portland

LINEAR FILING INCHES
TYPE "A" LFI=1,880
TYPE "B" LFI=7,200

RAIL PLACEMENT TO BE DETERMINED AT TIME OF ORDER



NOTICE: ALL DIMENSIONS LISTED BY THE MANUFACTURER SHALL BE USED UNLESS OTHERWISE SPECIFIED. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE DIMENSIONS OF THE PRODUCT TO BE USED. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE DIMENSIONS OF THE PRODUCT TO BE USED. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE DIMENSIONS OF THE PRODUCT TO BE USED.

REVISION DATE	NO.	DATE:	DRAWN BY:	CHK'D:
		04/19/12	CJH	
SCALE:	NTS		DWG. NO.	
			SES041912-1GR	

Certificate of Occupancy

CITY OF PORTLAND, MAINE

Department of Planning and Urban Development
Building Inspections Division



Location: 1 MONUMENT SQ
Issued To: Finard Murray W Tr /P C Construction
CBL: 032 K012001
Issued Date: 01/09/2013

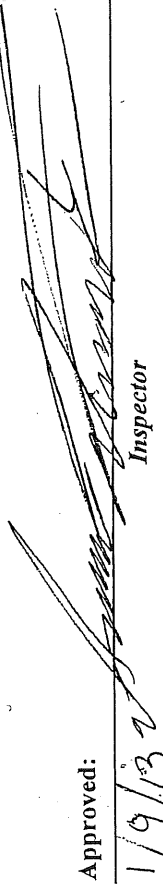
This is to certify that the building, premises, or part thereof, at the above location, built-altered-changed as to use under Building Permit No. 201244488 has had a final inspection, has been found to conform substantially to the requirements of the Building Code and the Land Use Code of the City of Portland, and is hereby approved for occupancy or use, limited or otherwise, as indicated below.

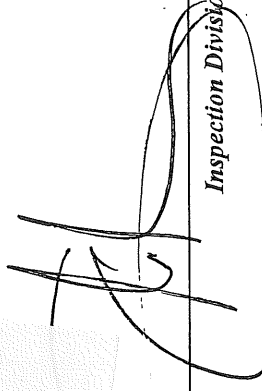
PORTION OF BUILDING OR PREMISES
6th FLOOR

OCCUPANCY
B (OFFICES)
MUBEC

LIMITING CONDITIONS: NONE

CLOSED -
COFO NOT SCANNED

Approved: 
Inspector


Inspection Division Director

1/9/13

Notice: This certificate identifies the legal use of the building or premises, and ought to be transferred from owner to owner upon the sale of the property.

Fire Alarm and Life Safety System Inspection Certificate

For

1 MONUMENT SQUARE
1 MONUMENT SQUARE
PORTLAND, ME 04101

Tested to NFPA 72 Standards

This Inspection was performed in accordance with applicable NFPA Standards. The subsequent pages of this report provide performance measurements, listed ranges of acceptable results, and complete documentation of the inspection. Whenever discrepancies exist between acceptable performance standards and actual test results, notes and/or recommended solutions have been proposed or provided for immediate review and approval.

Inspection Date
Apr 25, 2012

Building: 1 MONUMENT SQUARE
Contact: DEBBIE FULLER
Title: FACILITIES MANAGER

Company: R.B. Allen Company, Inc.
Contact: Richard C. Allen
Title: Inspector

Executive Summary

Generated by: BuildingReports.com

Building Information		
Building: 1 MONUMENT SQUARE	Contact: DEBBIE FULLER	
Address: 1 MONUMENT SQUARE	Phone: 207-772-2257	
Address:	Fax:	
City/State/Zip: PORTLAND, ME 04101	Mobile:	
Country: United States of America	Email: dfuller@finardproperties.com	
Inspection Performed By		
Company: R.B. Allen Company, Inc.	Inspector: Richard C. Allen	
Address: 131 Lafayette Road	Phone: 207-356-7071	
Address:	Fax:	
City/State/Zip: North Hampton, NH 03862	Mobile:	
Country: United States of America	Email: richardallen@rballen.com	
System Control Unit		
Manufacturer: FCI	Inspection Date: 04/25/2012	IDC Style:
Model Number: E3	Install Date: 04/25/2012	SLC Style:
Software Version:	Version Date: 04/25/2012	NAC Style:
Location: 1st FACP Room	Current Protection:	
Monitoring		
Type:	Mfg:	Model #:
Test Time/Date:	Restore Time:	

Inspection Summary

Category	Total Items		Serviced		Passed		Failed/Other	
	Qty	%	Qty	%	Qty	%	Qty	%
Initiating	77	42.78%	77	100.00%	77	100.00%	0	0%
Indicating	95	52.78%	95	100.00%	95	100.00%	0	0%
Control	8	4.44%	8	100.00%	8	100.00%	0	0%
Totals	180	100%	180	100.00%	180	100.00%	0	0%

Certification

Building: 1 MONUMENT SQUARE

Company: R.B. Allen Company, Inc.

Contact: DEBBIE FULLER

Inspector: Richard C. Allen

Signed:

Signed:

Inspection & Testing

Generated by: BuildingReports.com

Building: 1 MONUMENT SQUARE	Control Panel: 1 - FCI E3
<p><i>The Inspection & Testing section lists all of the items inspected in your building. Items are grouped by Passed or Failed/Other. Items are listed by Category. Each item includes the services performed, and the time & date at which testing occurred.</i></p>	

Device Type	Location	Service	Time	Date
<i>Passed</i>				
Control				
Battery	1st Above FACP	Tested	1:48:35 PM	04/25/2012
Battery	1st Above FACP	Tested	1:50:37 PM	04/25/2012
Battery	1st Above FACP	Tested	1:50:44 PM	04/25/2012
Battery	1st Above FACP	Tested	1:51:10 PM	04/25/2012
Battery	1st Above FACP	Tested	1:51:34 PM	04/25/2012
Control Panel	1st FACP Room	Tested	9:06:52 AM	04/25/2012
Expander Panel	1st FACP Room	Tested	9:08:40 AM	04/25/2012
Expander Panel	1st FACP Room	Tested	9:09:24 AM	04/25/2012
Indicating				
Horn/Strobe	Basement i/s corridor	Tested	1:30:23 PM	04/25/2012
Horn/Strobe	Basement i/s boiler room	Tested	1:31:22 PM	04/25/2012
Horn/Strobe	Basement i/s corridor	Tested	1:32:39 PM	04/25/2012
Horn/Strobe	1st i/s elevator lobby	Tested	1:25:50 PM	04/25/2012
Horn/Strobe	2nd corridor fed side	Tested	1:09:23 PM	04/25/2012
Horn/Strobe	2nd open office area fed side	Tested	1:10:48 PM	04/25/2012
Horn/Strobe	2nd open office area fed side	Tested	1:11:32 PM	04/25/2012
Horn/Strobe	2nd open office area fed side	Tested	1:12:21 PM	04/25/2012
Horn/Strobe	2nd i/s corridor cong side	Tested	1:14:11 PM	04/25/2012
Horn/Strobe	2nd open office area cong side	Tested	1:15:37 PM	04/25/2012
Horn/Strobe	3rd i/s elevator lobby	Tested	12:56:10 PM	04/25/2012
Horn/Strobe	3rd i/s elevator lobby	Tested	12:58:58 PM	04/25/2012
Horn/Strobe	3rd open office area cong side	Tested	1:01:07 PM	04/25/2012
Horn/Strobe	3rd open office area cong side	Tested	1:01:49 PM	04/25/2012
Horn/Strobe	3rd open office area cong side	Tested	1:02:02 PM	04/25/2012
Horn/Strobe	3rd open office area cong side	Tested	1:02:16 PM	04/25/2012
Horn/Strobe	3rd open office area cong side	Tested	1:02:52 PM	04/25/2012
Horn/Strobe	3rd open office area fed side	Tested	1:03:28 PM	04/25/2012
Horn/Strobe	3rd i/s confrence room fed side	Tested	1:03:50 PM	04/25/2012
Horn/Strobe	3rd open office area fed side	Tested	1:05:10 PM	04/25/2012
Horn/Strobe	3rd open office area fed side	Tested	1:06:14 PM	04/25/2012
Horn/Strobe	3rd i/s corridor fed side	Tested	1:06:51 PM	04/25/2012
Horn/Strobe	4th elevator lobby	Tested	12:47:53 PM	04/25/2012
Horn/Strobe	4th i/s corridor fed side	Tested	12:48:21 PM	04/25/2012
Horn/Strobe	4th i/s corridor fed side	Tested	12:50:45 PM	04/25/2012
Horn/Strobe	4th i/s corridor fed side	Tested	12:51:17 PM	04/25/2012
Horn/Strobe	4th i/s corridor o/s electric room	Tested	12:52:07 PM	04/25/2012
Horn/Strobe	4th i/s corridor cong side	Tested	12:52:50 PM	04/25/2012
Horn/Strobe	4th i/s corridor cong side	Tested	12:54:44 PM	04/25/2012

Device Type	Location	Service	Time	Date
<i>Passed</i>				
Horn/Strobe	5th elevator lobby	Tested	12:35:49 PM	04/25/2012
Horn/Strobe	5th elevator lobby	Tested	12:36:48 PM	04/25/2012
Horn/Strobe	5th open office area cong side	Tested	12:37:52 PM	04/25/2012
Horn/Strobe	5th open office area cong side	Tested	12:40:08 PM	04/25/2012
Horn/Strobe	5th open office area cong side	Tested	12:41:24 PM	04/25/2012
Horn/Strobe	5th open area fed side	Tested	12:42:58 PM	04/25/2012
Horn/Strobe	5th i/s corridor fed side	Tested	12:44:16 PM	04/25/2012
Horn/Strobe	6th elevator lobby	Tested	12:27:42 PM	04/25/2012
Horn/Strobe	6th in corridor cong side	Tested	12:29:02 PM	04/25/2012
Horn/Strobe	6th in corridor cong side	Tested	12:29:58 PM	04/25/2012
Horn/Strobe	6th in corridor cong side	Tested	12:30:28 PM	04/25/2012
Horn/Strobe	6th i/s confrence room	Tested	12:31:09 PM	04/25/2012
Horn/Strobe	6th i/s kitchen	Tested	12:31:56 PM	04/25/2012
Horn/Strobe	6th corridor fed side	Tested	12:32:47 PM	04/25/2012
Speaker/Strobe	Penthouse Inside Office	Tested	7:49:59 AM	04/25/2012
Speaker/Strobe	Penthouse	Tested	7:51:06 AM	04/25/2012
Speaker/Strobe	Penthouse	Tested	7:51:54 AM	04/25/2012
Speaker/Strobe	10 Outside Office Area	Tested	7:34:13 AM	04/25/2012
Speaker/Strobe	10 Outside Middle stairs	Tested	7:35:42 AM	04/25/2012
Speaker/Strobe	10 Inside Office Area	Tested	7:40:50 AM	04/25/2012
Speaker/Strobe	10 Inside Office Area	Tested	7:42:08 AM	04/25/2012
Speaker/Strobe	10 Inside Mail room	Tested	7:42:44 AM	04/25/2012
Speaker/Strobe	10 Inside Office Area	Tested	7:44:34 AM	04/25/2012
Speaker/Strobe	10 Inside Office Area	Tested	7:46:05 AM	04/25/2012
Speaker/Strobe	6 Inside Office Area	Tested	8:25:59 AM	04/25/2012
Speaker/Strobe	7 Inside Office Area	Tested	8:17:09 AM	04/25/2012
Speaker/Strobe	7 Inside Office Area	Tested	8:18:13 AM	04/25/2012
Speaker/Strobe	7 Inside Office Area	Tested	8:18:37 AM	04/25/2012
Speaker/Strobe	7 Inside Office Area	Tested	8:18:59 AM	04/25/2012
Speaker/Strobe	7 Inside Office Area	Tested	8:21:17 AM	04/25/2012
Speaker/Strobe	7 Inside Office Area	Tested	8:22:29 AM	04/25/2012
Speaker/Strobe	7 Inside Office Area	Tested	8:23:02 AM	04/25/2012
Speaker/Strobe	8 Outside Elevator	Tested	8:12:14 AM	04/25/2012
Speaker/Strobe	9 Inside Office Area	Tested	8:05:32 AM	04/25/2012
Speaker/Strobe	9 Inside Office Area	Tested	8:07:02 AM	04/25/2012
Speaker/Strobe	9 Inside Office Area	Tested	8:08:01 AM	04/25/2012
Strobe	2nd i/s mens room	Tested	1:10:00 PM	04/25/2012
Strobe	2nd open office area cong side	Tested	1:14:58 PM	04/25/2012
Strobe	2nd open office area cong side	Tested	1:15:55 PM	04/25/2012
Strobe	2nd i/s womens room	Tested	1:17:10 PM	04/25/2012
Strobe	3rd i/s corridor cong side	Tested	12:59:20 PM	04/25/2012
Strobe	3rd i/s womens room	Tested	1:00:32 PM	04/25/2012
Strobe	3rd open office area fed side	Tested	1:05:30 PM	04/25/2012
Strobe	3rd i/s mens room	Tested	1:05:44 PM	04/25/2012
Strobe	4th i/s mens room	Tested	12:49:13 PM	04/25/2012
Strobe	4th i/s womens room	Tested	12:53:32 PM	04/25/2012
Strobe	4th office area cong side	Tested	12:53:54 PM	04/25/2012
Strobe	5th i/s womens restroom	Tested	12:38:35 PM	04/25/2012
Strobe	5th i/s mens restroom	Tested	12:45:25 PM	04/25/2012
Strobe	6th office near elevator lobby	Tested	12:26:46 PM	04/25/2012

Device Type	Location	Service	Time	Date
<i>Passed</i>				
Strobe	6th ..office near elevator lobby	Tested	12:28:08 PM	04/25/2012
Strobe	10 10A	Tested	7:32:21 AM	04/25/2012
Strobe	10 Inside Womens Room	Tested	7:36:55 AM	04/25/2012
Strobe	10 Inside 10D	Tested	7:38:57 AM	04/25/2012
Strobe	10 Inside Mens Bathroom	Tested	7:46:33 AM	04/25/2012
Strobe	10 Inside 10B	Tested	7:48:04 AM	04/25/2012
Strobe	7 Inside Conference Room	Tested	8:16:12 AM	04/25/2012
Strobe	7 Inside Office Area	Tested	8:19:36 AM	04/25/2012
Strobe	7 Inside Womens Bathroom	Tested	8:20:07 AM	04/25/2012
Strobe	7 Inside Office Area	Tested	8:23:29 AM	04/25/2012
Strobe	7 Inside Conference Room	Tested	8:24:29 AM	04/25/2012
Strobe	8 Inside Mens Bathroom	Tested	8:11:09 AM	04/25/2012
Strobe	8 Inside Womens Bathroom	Tested	8:13:14 AM	04/25/2012
Strobe	9 9B	Tested	8:01:38 AM	04/25/2012
Strobe	9 Inside Office	Tested	8:03:11 AM	04/25/2012
Strobe	9 Inside Womens Bathroom	Tested	8:04:21 AM	04/25/2012
Initiating				
Duct Detector	1st Inside HVAC ROOM AHU-6 Return	Tested/Cleaned	1:35:39 PM	04/25/2012
Duct Detector	1st Inside HVAC ROOM AHU-6 Supply	Tested/Cleaned	1:36:45 PM	04/25/2012
Duct Detector	1st Inside HVAC ROOM AHU-3 Supply	Tested/Cleaned	1:37:21 PM	04/25/2012
Duct Detector	1st Inside HVAC ROOM AHU-3 Return	Tested/Cleaned	1:37:49 PM	04/25/2012
Pull Station	Basement Inside Loading dock	Tested	8:35:06 AM	04/25/2012
Pull Station	Basement Congress st side Loading dock	Tested	8:36:21 AM	04/25/2012
Pull Station	Basement Federal st side	Tested	8:41:36 AM	04/25/2012
Pull Station	1st congressl st side	Tested	8:46:08 AM	04/25/2012
Pull Station	1st Federal st side	Tested	8:47:51 AM	04/25/2012
Pull Station	1st Rear Entrance Key Bank	Tested	8:57:26 AM	04/25/2012
Pull Station	1st Federal st side	Tested	10:46:52 AM	04/25/2012
Pull Station	2nd Outside Federal st side stair	Tested	10:16:33 AM	04/25/2012
Pull Station	2nd Outside Congress st side	Tested	10:19:37 AM	04/25/2012
Pull Station	3rd Outside .Federal st side stair	Tested	10:11:36 AM	04/25/2012
Pull Station	3rd Outside Congress st side stair	Tested	10:14:12 AM	04/25/2012
Pull Station	3rd Outside Congress st side stair	Tested	10:15:28 AM	04/25/2012
Pull Station	4th Outside Federal st stair Room	Tested	10:05:52 AM	04/25/2012
Pull Station	4th Outside .Congress st side stair	Tested	10:09:55 AM	04/25/2012
Pull Station	5th Outside Congress st side Stair	Tested	10:00:54 AM	04/25/2012
Pull Station	5th Outside Congress st stair Room	Tested	10:04:02 AM	04/25/2012
Pull Station	Penthouse Stair	Tested	9:19:21 AM	04/25/2012
Pull Station	10 Outside Stair	Tested	9:21:31 AM	04/25/2012
Pull Station	10 Outside Federal st side Stair	Tested	9:27:18 AM	04/25/2012
Pull Station	6 Outside Stair Federal st side	Tested	9:52:58 AM	04/25/2012
Pull Station	6 Outside ElectricaCongress st side	Tested	9:59:11 AM	04/25/2012
Pull Station	7 Outside Federal st side stair	Tested	9:45:24 AM	04/25/2012
Pull Station	7 Outside Stair	Tested	9:50:58 AM	04/25/2012
Pull Station	8 Outside Congress st side Stair	Tested	9:37:07 AM	04/25/2012
Pull Station	8 Outside Elevator	Tested	9:43:26 AM	04/25/2012
Pull Station	9 Outside Congress st side Stair	Tested	9:28:43 AM	04/25/2012
Pull Station	9 Outside Federal st side Stair	Tested	9:34:49 AM	04/25/2012
Smoke Detector	Basement Inside Electrical Room	Tested/Cleaned	8:28:39 AM	04/25/2012
Smoke Detector	Basement Electrical Room	Tested/Cleaned	10:50:02 AM	04/25/2012

Device Type	Location	Service	Time	Date
<i>Passed</i>				
Smoke Detector	Basement i/s elevator lobby	Tested/Cleaned	1:28:06 PM	04/25/2012
Smoke Detector	Basement i/s elevator lobby	Tested/Cleaned	1:29:05 PM	04/25/2012
Smoke Detector	1st Inside FACP	Tested/Cleaned	8:49:20 AM	04/25/2012
Smoke Detector	2nd Inside Electrical Room	Tested/Cleaned	10:18:25 AM	04/25/2012
Smoke Detector	2nd elevator lobby	Tested/Cleaned	1:07:48 PM	04/25/2012
Smoke Detector	2nd elevator lobby	Tested/Cleaned	1:08:24 PM	04/25/2012
Smoke Detector	3rd Inside Electrical Room	Tested/Cleaned	10:12:59 AM	04/25/2012
Smoke Detector	3rd i/s elevator lobby	Tested/Cleaned	12:57:55 PM	04/25/2012
Smoke Detector	3rd i/s elevator lobby	Tested/Cleaned	12:58:20 PM	04/25/2012
Smoke Detector	4th Inside Electrical Room	Tested/Cleaned	10:07:24 AM	04/25/2012
Smoke Detector	4th Inside Electrical Room	Tested/Cleaned	10:08:56 AM	04/25/2012
Smoke Detector	4th elevator lobby	Tested/Cleaned	12:46:46 PM	04/25/2012
Smoke Detector	4th elevator lobby	Tested/Cleaned	12:47:27 PM	04/25/2012
Smoke Detector	5th Inside Electrical Room	Tested/Cleaned	10:02:41 AM	04/25/2012
Smoke Detector	5th . elevator lobby	Tested/Cleaned	12:34:06 PM	04/25/2012
Smoke Detector	5th elevator lobby	Tested/Cleaned	12:35:08 PM	04/25/2012
Smoke Detector	6th elevator lobby	Tested/Cleaned	12:25:05 PM	04/25/2012
Smoke Detector	6th elevator lobby	Tested/Cleaned	12:26:08 PM	04/25/2012
Smoke Detector	7th i/s elevator lobby	Tested/Cleaned	1:23:39 PM	04/25/2012
Smoke Detector	7th i/s elevator lobby	Tested/Cleaned	1:24:26 PM	04/25/2012
Smoke Detector	8th i/s elevator lobby	Tested/Cleaned	1:22:10 PM	04/25/2012
Smoke Detector	8th i/s elevator lobby	Tested/Cleaned	1:22:29 PM	04/25/2012
Smoke Detector	9th i/s elevator lobby	Tested/Cleaned	1:21:09 PM	04/25/2012
Smoke Detector	9th i/s elevator lobby	Tested/Cleaned	1:21:42 PM	04/25/2012
Smoke Detector	10th i/s elevator lobby	Tested/Cleaned	1:19:28 PM	04/25/2012
Smoke Detector	10th i/s elevator lobby	Tested/Cleaned	1:20:11 PM	04/25/2012
Smoke Detector	11th Inside Verison Rm	Tested/Cleaned	1:47:40 PM	04/25/2012
Smoke Detector	12th Inside Elevator Machine Rm	Tested/Cleaned	1:44:12 PM	04/25/2012
Smoke Detector	12th Inside Elevator Machine Rm	Tested/Cleaned	1:45:39 PM	04/25/2012
Smoke Detector	10 Inside Electrical Room	Tested/Cleaned	9:22:25 AM	04/25/2012
Smoke Detector	10 Outside Congress st side Room	Tested/Cleaned	9:24:34 AM	04/25/2012
Smoke Detector	10 Outside Federal st side	Tested/Cleaned	9:26:01 AM	04/25/2012
Smoke Detector	6 Inside Federal st side	Tested/Cleaned	9:55:10 AM	04/25/2012
Smoke Detector	6 Inside Congressl st side	Tested/Cleaned	9:56:12 AM	04/25/2012
Smoke Detector	6 Inside Electrical Room	Tested/Cleaned	9:57:30 AM	04/25/2012
Smoke Detector	7 Outside Federal st side	Tested/Cleaned	9:46:53 AM	04/25/2012
Smoke Detector	7 Outside Congressl st side	Tested/Cleaned	9:48:16 AM	04/25/2012
Smoke Detector	7 Inside Electrical Room	Tested/Cleaned	9:49:31 AM	04/25/2012
Smoke Detector	8 Outside Congress st side Stair	Tested/Cleaned	9:38:35 AM	04/25/2012
Smoke Detector	8 Outside Federal st side Stair	Tested/Cleaned	9:40:15 AM	04/25/2012
Smoke Detector	8 Inside Electrical Room	Tested/Cleaned	9:41:37 AM	04/25/2012
Smoke Detector	9 Inside Electrical Room	Tested/Cleaned	9:30:12 AM	04/25/2012
Smoke Detector	9 Outside Congress st side	Tested/Cleaned	9:31:51 AM	04/25/2012
Smoke Detector	9 Outside Federal st side	Tested/Cleaned	9:33:08 AM	04/25/2012

Service Summary

Generated by: BuildingReports.com

Building: 1 MONUMENT SQUARE

The Service Summary section provides an overview of the services performed in this report.

Device Type	Service	Quantity
<i>Passed</i>		
Battery	Tested	5
Control Panel	Tested	1
Duct Detector	Tested/Cleaned	4
Expander Panel	Tested	2
Horn/Strobe	Tested	43
Pull Station	Tested	27
Smoke Detector	Tested/Cleaned	46
Speaker/Strobe	Tested	22
Strobe	Tested	30
Total		180

Battery & Power Supply Testing

Generated by: BuildingReports.com

Building: 1 MONUMENT SQUARE			Control Panel: 1 - FCI E3			
<i>The Control & Power Testing section details the readings and measurements of batteries and power supplies used to provide power to the fire alarm and life safety systems. Items are grouped by Passed or Failed/Other.</i>						
Type	Location	Comment	Amps	Volts	Pre Test	Post Test
<i>Passed</i>						
Battery						
	1st Above FACP	Passed	18	12		
	1st Above FACP	Passed	18	12		
	1st Above FACP	Passed	8	12		
	1st Above FACP	Passed	8	12		
	1st Above FACP	Passed	8	12		

Inventory & Warranty Report

Generated by: BuildingReports.com

Building: 1 MONUMENT SQUARE		Control Panel: 1 - FCI E3		
<p><i>The Inventory & Warranty Report lists each of the devices and items that are included in your Inspection Report. A complete inventory count by device type and category is provided. Items installed within the last 90 days, within the last year, and devices installed for two years or more are grouped together for easy reference.</i></p>				
Device or Item	Category	% of Inventory	Quantity	
Strobe	Indicating	16.67%	30	
Speaker/Strobe	Indicating	12.22%	22	
Smoke Detector	Initiating	25.56%	46	
Pull Station	Initiating	15.00%	27	
Control Panel	Control	0.56%	1	
Expander Panel	Control	1.11%	2	
Horn/Strobe	Indicating	23.89%	43	
Duct Detector	Initiating	2.22%	4	
Battery	Control	2.78%	5	
Type	Qty	Model #	Description	Install Date
<i>In Service - 90 Days - 1 Year</i>				
Duct Detector	4			04/25/2012
Horn/Strobe	43			04/25/2012
Pull Station	21			04/25/2012
Smoke Detector	44			04/25/2012
Strobe	15			04/25/2012
FCI				
Control Panel	1	E3		04/25/2012
Gamewell				
Expander Panel	2	FF8		04/25/2012
Wheelock				
Pull Station	6			04/25/2012
Smoke Detector	2			04/25/2012
Speaker/Strobe	21			04/25/2012
Strobe	15			04/25/2012
<i>In Service - 1 Year to 2 Years</i>				
Battery	5			12/10/2010
<i>In Service - 2 Years to 3 Years</i>				
Wheelock				
Speaker/Strobe	1			04/15/2010

Zone Address Report

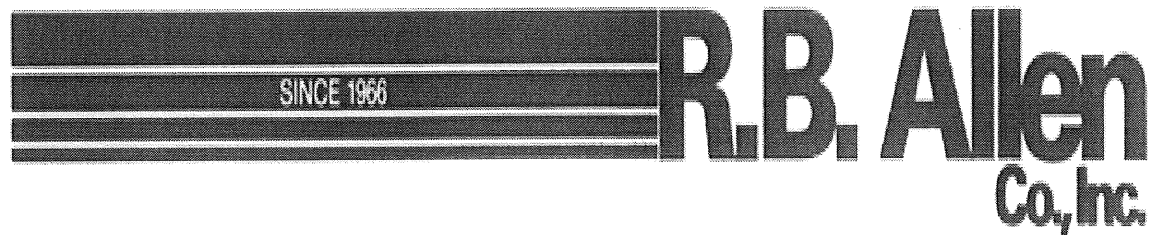
Generated by: BuildingReports.com

Building: 1 MONUMENT SQUARE	Control Panel: 1 - FCI E3
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The Zone Address Report lists all of the devices and items that have an individual address, or are grouped together under a common zone. The device type, location, and description are included for your reference.

Address	Device Type	Location	Description	ScanID
Zone/Circuit: 1				
1	Pull Station	Basement Federal st side		18342288
1	Smoke Detector	Basement i/s elevator lobby		18342412
1	Smoke Detector	7th i/s elevator lobby		18342409
1	Pull Station	7 Outside Federal st side stair		18342312
10	Smoke Detector	8 Outside Federal st side Stair		18342309
11	Smoke Detector	3rd Inside Electrical Room		18342330
11	Smoke Detector	9th i/s elevator lobby		18342405
12	Smoke Detector	9th i/s elevator lobby		18342406
13	Pull Station	Basement Inside Loading dock		18342286
13	Smoke Detector	Basement Electrical Room		18342337
14	Smoke Detector	Basement Inside Electrical Room		18342285
14	Smoke Detector	9 Outside Congress st side		18342304
15	Smoke Detector	9 Outside Federal st side		18342305
2	Pull Station	Basement Congress st side Loading dock		18342287
2	Smoke Detector	Basement i/s elevator lobby		18342413
2	Smoke Detector	7th i/s elevator lobby		18342410
2	Pull Station	7 Outside Stair		18342316
22	Pull Station	3rd Outside Congress st side stair		18342331
23	Pull Station	1st Federal st side		18342336
3	Smoke Detector	7 Inside Electrical Room		18342315
3	Pull Station	8 Outside Elevator		18342311
33	Pull Station	1st Rear Entrance Key Bank		18342292
4	Pull Station	1st Federal st side		18342290
4	Smoke Detector	7 Outside Federal st side		18342313
4	Pull Station	8 Outside Congress st side Stair		18342307
5	Pull Station	1st congressl st side		18342289
5	Smoke Detector	1st Inside FACP		18342291
5	Smoke Detector	7 Outside Congressl st side		18342314
5	Pull Station	9 Outside Federal st side Stair		18342306
6	Pull Station	2nd Outside Federal st side stair		18342333
6	Smoke Detector	2nd elevator lobby		18342391
6	Pull Station	5th Outside Congress st side Stair		18342322
6	Smoke Detector	8th i/s elevator lobby		18342407
7	Pull Station	2nd Outside Congress st side		18342335
7	Smoke Detector	2nd elevator lobby		18342392
7	Smoke Detector	8th i/s elevator lobby		18342408
8	Smoke Detector	2nd Inside Electrical Room		18342334
8	Pull Station	3rd Outside .Federal st side stair		18342329
8	Smoke Detector	8 Inside Electrical Room		18342310
9	Pull Station	3rd Outside Congress st side stair		18342332

9	Smoke Detector	8 Outside Congress st side Stair	18342308
Zone/Circuit: 2			
001	Pull Station	10 Outside Federal st side Stair	18342301
006	Pull Station	9 Outside Congress st side Stair	18342302
1	Pull Station	4th Outside Federal st stair Room	18342325
1	Smoke Detector	4th elevator lobby	18342360
1	Smoke Detector	10th i/s elevator lobby	18342403
10	Smoke Detector	3rd i/s elevator lobby	18342375
10	Smoke Detector	6 Inside Electrical Room	18342320
11	Smoke Detector	6 Inside Federal st side	18342318
12	Smoke Detector	6 Inside Congressl st side	18342319
13	Smoke Detector	9 Inside Electrical Room	18342303
16	Smoke Detector	11th Inside Verison Rm	18342423
2	Pull Station	4th Outside .Congress st side stair	18342328
2	Smoke Detector	4th elevator lobby	18342361
2	Smoke Detector	10th i/s elevator lobby	18342404
2	Pull Station	10 Outside Stair	18342297
3	Smoke Detector	4th Inside Electrical Room	18342327
3	Pull Station	Penthouse Stair	18342296
3	Smoke Detector	10 Inside Electrical Room	18342298
4	Smoke Detector	4th Inside Electrical Room	18342326
4	Pull Station	5th Outside Congress st stair Room	18342324
4	Smoke Detector	10 Outside Federal st side	18342300
5	Smoke Detector	5th . elevator lobby	18342349
5	Smoke Detector	10 Outside Congress st side Room	18342299
5	Pull Station	6 Outside Stair Federal st side	18342317
6	Smoke Detector	5th elevator lobby	18342350
6	Smoke Detector	12th Inside Elevator Machine Rm	18342421
6	Pull Station	6 Outside ElectricaCongress st side	18342321
7	Smoke Detector	5th Inside Electrical Room	18342323
7	Smoke Detector	12th Inside Elevator Machine Rm	18342422
8	Smoke Detector	6th elevator lobby	18342339
9	Smoke Detector	3rd i/s elevator lobby	18342374
9	Smoke Detector	6th elevator lobby	18342338



**E3 Fire Alarm System
1 Monument Square
6th Floor Renovation
Portland, Maine**

Revision 1

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**E3-GamewII-FCI
FIRE ALARM SYSTEM RNOVATION
1 Monument Square - 6th Floor
Portland, Maine
Revision 1**

Click on a Description to View Data Sheet

<u>ITEM #</u>	<u>QTY.</u>	<u>CAT#</u>	<u>DESCRIPTION</u>	<u>DATA SHEET #</u>
1			<u>Initiating Device</u>	
	1	ADS-PL2F	Addressable Photoelectric Smoke Detector w/ Base	9020-0617
2			<u>Intiating Devices</u>	
	5	E50-24MCW-FR	Speaker/Srtobe Unit (Selectable Candela & Wattage Tap)	Wheelock
	4	STR	Strobe Unit Wall Mount (Selectable Candela)	Wheelock
	1	STRC	Strobe Unit Ceiling Mount (Selectable Candela)	Wheelock
3			<u>Supporting Documentation</u>	

Click on a Document to View Content

6th Floor Amplifier Cabinet Battery Calculation
6th Floor Booster Panel Battery Calculation
Fire Alarm System Riser Diagram
System Floor Plan

Gamewell-FCI Addressable Fire Alarm System
1 Monument Square
Portland, Maine

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BATTERY STANDBY CALCULATIONS - 6th Floor Amplifier Cabinet

QTY	Model #	Description	Quiescent Current	Alarm Current	Total Quiescent	Total Alarm
1	INI-VGC-UTP	Command Center Voice Gateway	0.150000	0.150000	0.150000	0.150000 Amp
4	AM-50	Amplifier 50 Watt (Fully Loaded)	0.086000	2.206000 *	0.344000	8.824000 Amp
* Fully Loaded					0.494000	8.974000
Total Quiescent x Time Required (24 Hours):					11.856	Ah
Total Alarm x Time Required (15 Minutes):						2.2435 Ah
Total Battery Required:						14.0995 Ah
Total Battery Required (+) 10% Spare Capacity:						15.50945 Ah
Battery Supplied:						18 Ah

1 Monument Sq. - 6th Floor Renovation
 Booster Power Supply Standby Battery Calculations

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HPFF8-1 (Floor 6)

	E50 Speaker/Strobe				STR Strobe Only				Quiescent Current	Alarm Current
	15cd 60	30cd 92	75cd 165	110cd 220	15cd 57	30cd 85	75cd 135	110cd 182		
Panel									0.0300	
Circuit 1	5				1		5			1.0320
Circuit 2										2.0000
Circuit 3										2.0000
Circuit 4										2.0000
0.0300									Total	7.0320
0.0300									Quiescent	Alarm

All currents are expressed as mA.

Max current per ckt = 2.5 Amps. Max current per panel = 8.0 Amps.

Total Quiescent Amp x Time Required (60 Hours) 1.800 AmpHr
 Total Alarm Amp x Time Required (5 Minutes) 0.586 AmpHr
 Total Battery Required 2.386 AmpHr
 Total Battery Required + 20% **2.863** AmpHr
 Battery Supplied **7.2** AmpHr

Remaining % of Ckt Capacity	Remaining % Panel
58.72 %	full load
20.00 %	full load
20.00 %	full load
12.10 %	full load



by Honeywell

Velociti® Series

ASD-PL2F and

ASD-PTL2F

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Description

The Gamewell-FCI Velociti® Series, analog addressable plug-in smoke sensors with integral communication provide features that surpass conventional sensors. Sensitivity can be programmed in the control panel software, and is continuously monitored and reported to the panel. Point ID capability allows each sensor's address to be set, providing exact locations for selective maintenance when the chamber contamination reaches an unacceptable level. The ASD-PL2F photoelectric sensor's unique optical sensing chamber is engineered to sense smoke produced by a wide range of combustion sources. Dual electronic thermistors add 135°F (57°C) fixed-temperature thermal sensing on the ASD-PTL2F model.

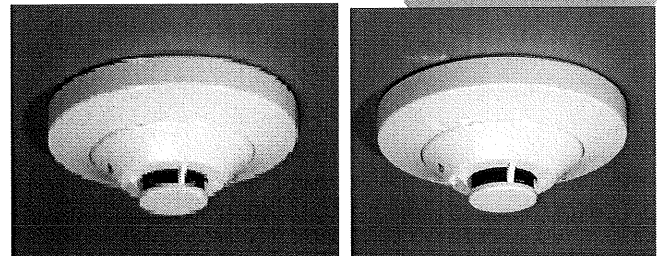
The Velociti® Series use a communication protocol that substantially increases the speed of communication between the sensors and certain Gamewell-FCI analog addressable fire alarm controls. These devices operate in a grouped fashion. If one of the devices in the group has a status change, the panel's microprocessor stops the group poll and concentrates on the single device. The net effect is a response speed up to five times greater than earlier designs.

Ordering Information

Model	Description
ASD-PL2F	Analog, addressable photoelectric smoke sensor
ASD-PTL2F	Analog, addressable photoelectric smoke sensor with thermal sensing

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 UL® is a registered trademark of Underwriters Laboratories Inc.

Analog, Addressable Photoelectronic Smoke Sensor



ASD-PL2F

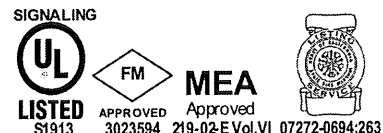
ASD-PTL2F

Features

- Sleek, low-profile design
- Visual rotary, decimal switch addressing (01-159)
- Built-in functional test switch activated by an external magnet
- Bicolor LEDs flash green whenever the sensor is addressed, and light steady red on alarm*
- Optional relay, isolator, or sounder bases
- Low standby current
- Analog addressable communication
- Stable communication technique with noise immunity
- Optional remote, single-gang LED Indicator (RA400Z)
- Suitable for installation in ducts
- Compatible with Gamewell-FCI analog addressable panels

Note: *Only the red LED is operative in panels that do not operate in Velociti® mode.

An ISO 9001-2000 Company



GAMEWELL-FCI

12 Clintonville Road, Northford, CT 06472-1653 USA • Tel: (203) 484-7161 • Fax: (203) 484-7118

Specifications are for information only, are not intended for installation purposes, and are subject to change without notice. No responsibility is assumed by Gamewell-FCI for their use.

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www.gamewell-fci.com

9020-0617 Rev. E1 page 1 of 2

Installation

ASD-PL2F plug-in sensors use a separate base to simplify installation, service, and maintenance. A special tool allows maintenance personnel to plug-in and remove sensors without using a ladder.

Mount the base on a box which is at least 1.5" (3.8 cm) deep. Suitable mounting base boxes include:

- 4.0" (10.2 cm) square box
- 3.5" (8.9 cm) or 4.0" (10.2 cm) octagonal box
- Single-gang box (except relay or isolator bases)
- With B501BH or B501BHT base, use a 4.0" (10.2 cm) square box
- With B224RB or B224BI base, use a 3.5" (8.9 cm) octagonal box, or a 4.0" (10.2 cm) octagonal or square box

NOTE: Because of the inherent supervision provided by the SLC, end-of-line resistors are not required. Wiring "T-taps" or branches are permitted for Style 4 (Class "B") wiring.

Sensor Spacing

Gamewell-FCI recommends spacing sensors in compliance with NFPA 72. In low airflow applications with smooth ceilings, space sensors 30 feet (9.1 m). For specific information regarding sensor spacing, placement and special applications, refer to NFPA 72.

Specifications

Size: 2.1" (5.1 cm) high x 4.1" (10.4 cm) diameter installed in B501 base, 6.1" (15.5 cm) diameter installed in ADB-FL base.

Shipping Weight: 5.2 oz. (147 g)

Operating Temperature: ASD-PL2F:
32° F to 120° F (0° C to 49° C)
ASD-PTL2F:
32° F to 100° F (0° C to 38° C)

UL®-Listed

Velocity Range: 0-4000 ft./min. (1,219.2 m/min.), suitable for installation in ducts.

Relative

Humidity: 10-93% (non-condensing)

Thermal Ratings: Fixed-temperature setpoint
135° F (57° C)

Electrical Specifications

Voltage Range: 15 – 32 volts DC peak

Standby Current: (max. avg.): .0003 A @ 24 VDC
(one communication every 5 seconds with LED enabled)

Maximum Alarm

Current: .0065 A @ 24 VDC (LED) IIT)

Bases and Options

ADB-FL 6.1" (15.5 cm) diameter
B501 4.1" (10.4 cm) diameter
B501BH or B501BHT Sounder base assembly (B501BHT produces a temporal pattern). Includes B501 base

B224RB

Relay Base Screw terminals:
Up to 14 AWG (2.0 mm²)
Relay type: Form-C
Rating:
2.0A @ 30 VDC resistive;
0.3 A @ 110 VDC inductive;
1.0 A @ 30 VDC inductive.

Dimensions:
6.2" x 1.2" (15.7 x 3.0 cm)

Maximum: 25 devices between isolator bases.

RA400Z

Remote alarm indicator, LED.

BCK-200

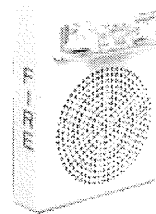
Black detector covers (box of 10)

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GAMEWELL-FCI

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Series E50 Speaker and Speaker Strobes



SERIES E50
Speaker Strobe



SERIES E50
Speaker

Description

The Wheelock Series E50 Speakers and Speaker Strobes feature high efficiency sound output, with dual voltage (25/70 VRMS) capability and field selectable taps from 1/8 to 2 watts. They are designed to provide a sleek, aesthetic appearance for emergency voice/alarm communications systems. All Series E50 models mount to standard 4" x 2-1/8" electrical boxes (with no extension ring required) and incorporate a speaker mounting plate for faster installation. The grille cover snaps on so no mounting screws are visible. Attractive surface boxes are also available for surface installations.

The Series E50 Speaker Strobe models use Wheelock low current draw Series RSS strobes for wall mounted applications. Strobe options include patented MCW multi-candela strobes with field selectable candela settings of 15/30/75/110 cd or high intensity MCWH strobes with field selectable 135/185 candela. Models with 1575 candela (75 cd on axis) are also offered.

Series E50 Speakers and Speaker Strobes provide high audio output with clear audibility and are designed to meet the critical needs of the life safety industry for effective emergency voice communications, tone signaling and visible signaling to alert the hearing impaired.

The strobe portion of all Series E Speaker Strobes may be synchronized when used in conjunction with the Wheelock SM, DSM Sync Modules or the Wheelock's PS-24-8MC Power Supply with Patented Sync Protocol. Wheelock synchronized strobes offer an easy way to comply with ADA and NFPA regulations concerning photosensitive epilepsy.

Series E50 Speaker Strobes are UL Listed for indoor use under Standard 1971 (Signaling Devices for the Hearing-Impaired) and Standard 1480 (Speaker Appliances). All inputs employ IN/OUT wiring terminals for fast installation using #12 to #18 AWG wiring and are compatible with FACP line supervision.

Color options for the Series E50 Speakers and Speaker Strobes are red or off-white.

Features

- Approvals include: UL Standard 1971, UL Standard 1480, New York City (MEA), California State Fire Marshal (CSFM), Factory Mutual (FM) and Chicago (BFP). See approvals by model in Specifications and Ordering Information
- ADA/NFPA/ANSI compliant
- Complies with OSHA 29 Part 1910.165
- Wall mount speaker strobe models with field selectable candela settings of 15/30/75/110cd or 135/185cd (Multi-Candela models), or 1575cd (Single Candela model)
- Field selectable taps for 25 or 70 VRMS operation from 1/8 watt up to 2 watts
- High efficiency design for maximum output at minimum wattage across a frequency range of 400 to 4000 HZ
- 24 VDC strobes produce 1 flash per second with wide UL "Regulated Voltage" of 16 to 33 volts using filtered DC or unfiltered VRMS input voltage
- Synchronize with Wheelock SM, DSM or Wheelock PS-12/24-8CP and PS-12/24-8MP Power Supply with built-in sync protocol
- Mount to 4" square x 2-1/8" deep backbox with *no extension ring required*
- Snap on grille cover with no visible mounting screws
- Fast installation with IN/OUT screw terminals using #12 to #18 AWG wires



S5391



151-92-E



7125-0785:165



APPROVED

NOTE: All CAUTIONS and WARNINGS are identified by the symbol ▲. All warnings are printed in bold capital letters.

▲ **WARNING: PLEASE READ THESE SPECIFICATIONS AND ASSOCIATED INSTALLATION INSTRUCTIONS CAREFULLY BEFORE USING, SPECIFYING OR APPLYING THIS PRODUCT. VISIT WWW.COOPERWHEELLOCK.COM OR CONTACT COOPER WHEELLOCK FOR THE CURRENT INSTALLATION INSTRUCTIONS. FAILURE TO COMPLY WITH ANY OF THESE INSTRUCTIONS, CAUTIONS OR WARNINGS COULD RESULT IN IMPROPER APPLICATION, INSTALLATION AND/OR OPERATION OF THESE PRODUCTS IN AN EMERGENCY SITUATION, WHICH COULD RESULT IN PROPERTY DAMAGE, AND SERIOUS INJURY OR DEATH TO YOU AND/OR OTHERS.**

General Notes:

- Strobes are designed to flash at 1 flash per second minimum over their "Regulated Voltage Range". Note that NFPA-72 specifies a flash rate of 1 to 2 flashes per second and ADA Guidelines specify a flash rate of 1 to 3 flashes per second.
- All candela ratings represent minimum effective Strobe intensity based on UL Standard 1971.
- Series NS Strobe products are listed under UL Standard 1971 for indoor use with a temperature range of 32°F to 120°F (0°C to 49°C) and maximum humidity of 93% (± 2%).
- Series NH horns are listed under UL Standard 464 for audible signal appliances (Indoor use only).
- "Regulated Voltage Range" is the newest terminology used by UL to identify the voltage range. Prior to this change UL used the terminology "Listed Voltage Range".

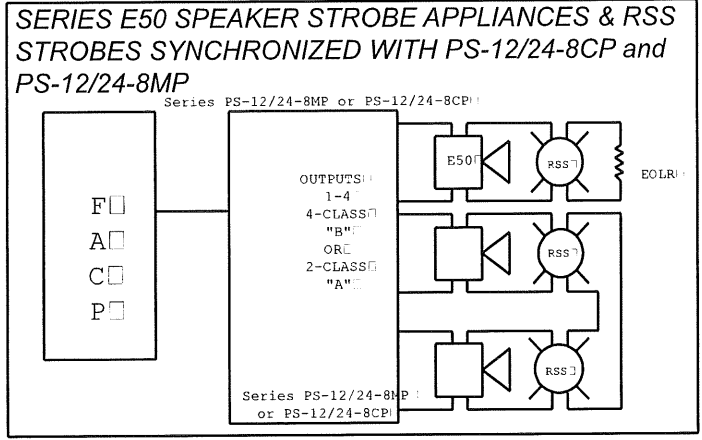
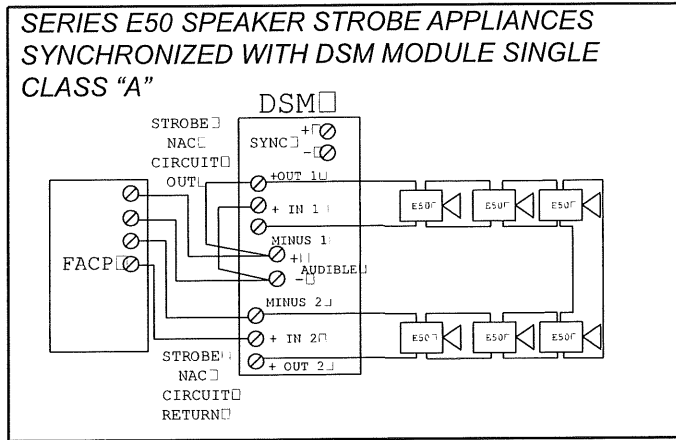
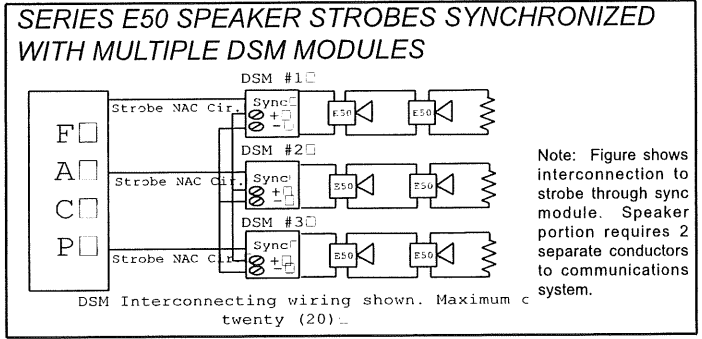
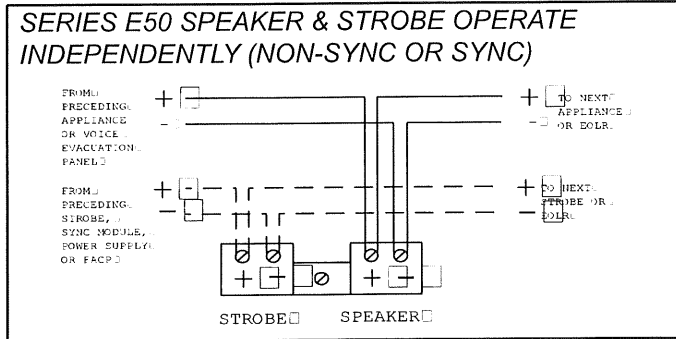
Table 1: Average RMS Current							
E50 Speaker Strobes	E50 Strobe Current - Wall Mount						
	241575W	24MCW				24MCWH	
	1575cd	15cd	30cd	75cd	110cd	135cd	185cd
24 vdc	0.060	0.041	0.063	0.109	0.140	0.195	0.270
UL max*	0.090	0.060	0.092	0.165	0.220	0.300	0.420

* RMS current ratings are per UL average RMS method. UL max current rating is the maximum RMS current within the listed voltage range (16-33v for 24v units). For strobes the UL max current is usually at the minimum listed voltage (16v for 24v units). For unfiltered FWR ratings, see installation instructions.

Table 2: E50 UL Reverberant dBA @ 10 Feet**					
watts	1/8	1/4	1/2	1	2
E50 Speaker	77	79.5	82.5	85	88
E50 Speaker Strobe	77	79.5	82.5	85	88

**dBA ratings are based on UL testing under UL Standard 1480

Wiring Diagrams#



Specifications and Ordering Information

Model	Order Code	Wall Mount	Ceiling Mount	Strobe Candela	Grill Color	Flush Mount Bacbox	Surface Mount Backbox	Mounting Options	Agency Approvals				
									UL	MEA	CSFM	FM	BFP
E50-R	0222	X	X	-	Red	4' x 4" x 2-1/8"	E50SB-R	E,O,P,Q,R,U,Y,AA	X	*	X	X	*
E50-W	0223	X	X	-	White	4' x 4" x 2-1/8"	E50SB-W	E,O,P,Q,R,U,Y,AA	X	*	X	X	*
E50-241575W-FR	0224	X	-	15 (75 on Axis)	Red	4' x 4" x 2-1/8"	E50SSB-R	E,Q,U,BB	X	*	X	X	*
E50-241575W-FW	0225	X	-	15 (75 on Axis)	White	4' x 4" x 2-1/8"	E50-SSB-W	E,Q,U,BB	X	*	X	X	*
E50-24MCW-FR	0226	X	-	15/30/75/110	Red	4' x 4" x 2-1/8"	E50SSB-R	E,Q,U,BB	X	*	X	X	*
E50-24MCW-FW	0227	X	-	15/30/75/110	White	4' x 4" x 2-1/8"	E50-SSB-W	E,Q,U,BB	X	*	X	X	*
E50-24MCW-MW	5219	X	-	15/30/75/110	White	4' x 4" x 2-1/8"	E50-SSB-W	E,Q,U,BB	X	*	X	X	*
E50-24MCWH-FR	0228	X	-	135/185	Red	4' x 4" x 2-1/8"	E50SSB-R	E,Q,U,BB	X	*	X	X	*
E50-24MCWH-FW	0229	X	-	135/185	White	4' x 4" x 2-1/8"	E50-SSB-W	E,Q,U,BB	X	*	X	X	*

*PENDING

NOTE: Due to continuous development of our products, specifications and offerings are subject to change without notice in accordance with Wheelock Inc. standard terms and conditions.

Architects and Engineers Specifications

The speaker appliances shall be Wheelock Series E50 Speakers and the speaker strobe appliances shall be Wheelock Series E50 Speaker Strobes or approved equals. The speakers shall be UL Listed under Standard 1480 for Fire Protective Service and speakers equipped with strobes shall be listed under UL Standard 1971 for Emergency Devices for the Hearing-Impaired. In addition, the strobes shall be certified to meet the requirements of FCC Part 15, Class B.

All speakers shall be designed for a field selectable input of either 25 or 70 VRMS, with selectable power taps from 1/8 watt to 2 watts. All models shall have listed sound output of up to 89 dBA at 10 feet and a listed frequency response of 400 to 4000 Hz. The speaker shall incorporate a sealed back construction. All inputs shall employ terminals that accept #12 to #18 AWG wire sizes. The strobe portion of the appliance shall produce a flash rate of one (1) flash per second over the Regulated Voltage Range and shall be of low current design. Where Multi-Candela Speaker Strobes are specified, the strobe intensity shall have field selectable settings and shall be rated per UL Standard 1971 at 15/30/75/110cd or 135/185cd for wall mounting. The selector switch for selecting the candela shall be tamper resistant. The 1575 candela strobe shall be specified when 15 candela UL Standard 1971 Listing with 75 candela on-axis is required.

When synchronization is required, the strobe portion of the appliance shall be compatible with the Wheelock's SM, DSM sync modules or Wheelock PS-24-8MC Power Supply with built-in Patented Sync Protocol. The strobes shall not drift out of synchronization at any time during operation. If the sync module or Power Supply fails to operate, (i.e., contacts remain closed), the strobe shall revert to a non-synchronized flash rate.

The speaker and speaker strobe appliances shall be designed for indoor flush mounting to 4" x 2-1/8" electrical boxes without need for an extension ring or surface mounting to Wheelock's E50SB or E50SSB surface boxes. The speaker and speaker strobe shall incorporate a speaker mounting plate with a snap-on grille cover. The finish of the Series E50 speakers and speakers strobes shall be white or red.



WE ENCOURAGE AND SUPPORT NICET CERTIFICATION
3 YEAR WARRANTY

S0510 E50 02/08

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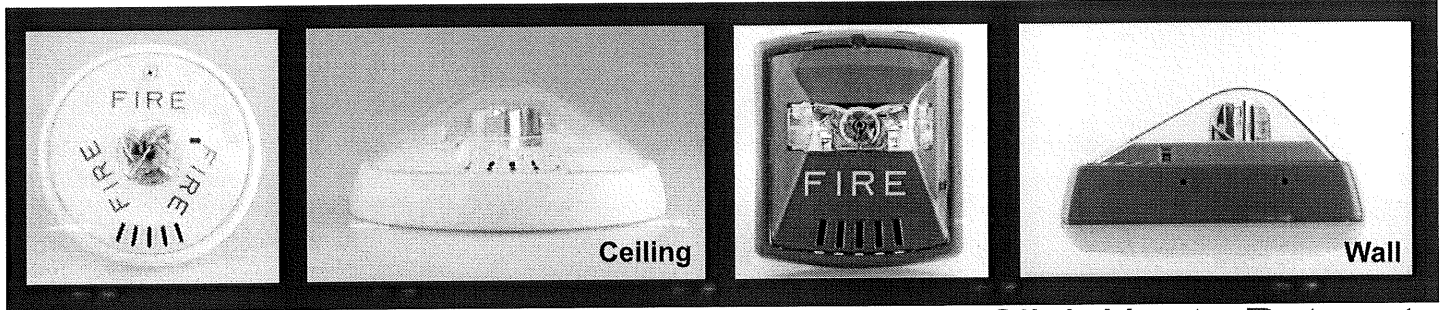
NJ Location
273 Branchport Ave.
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Sarasota, FL 34243
P: 941-487-2300
F: 941-487-2389

VA Location
P: 877-459-7726
F: 703-294-6560



Strobe, Horn Strobe, and Horn Notification Appliances



Description:

The Wheelock® Exceder™ Series of notification appliances feature a sleek modern design that will please building owners with reduced total cost of ownership. Installers will benefit from its comprehensive feature list, including the most candela options in one appliance, low current draw, no tools needed for setting changes, voltage test points, 12/24 VDC operation, universal mounting base and multiple mounting options for both new and retrofit construction.

The Wheelock® Exceder™ Series incorporates high reliability and high efficiency optics to minimize current draw allowing for a greater number of appliances on the notification appliance circuit. All strobe models feature an industry first of 8 candela settings on a single appliance. Models with an audible feature 3 sound settings (90, 95, 99 dB). All switches to change settings, can be set without the use of a tool and are located behind the appliance to prevent tampering. Wall models feature voltage test points to take readings with a voltage meter for troubleshooting and AHJ inspection.

The Wheelock® Exceder™ Series of wall and ceiling notification appliances feature a Universal Mounting Base (UMB) designed to simplify the installation and testing of horns, strobes, and combination horn strobes. The separate universal mounting base can be pre-wired to allow full testing of circuit wiring before the appliance is installed and the surface is finished. It comes complete with a Contact Cover for protection against dirt, dust, paint and damage to the contacts. The Contact Cover also acts as a shunting device to allow pre-wire testing for common wiring issues. The Contact Cover is polarized to prevent it from being installed incorrectly and prevents the appliance from being installed while it is on the UMB. When the Contact Cover is removed the circuit will show an open until the appliance is installed. The UMB allows for consistent installation and easy replacement of appliances if required. Wall models provide an optional locking screw for extra secure installation, while the ceiling models provide a captivated screw to prevent the screw from falling during installation.

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- Save up to **48%** in current draw*
- Up to **9** models now in **1** appliance
- Save up to **14%** cost of installation**

- Sleek Modern Aesthetics
- Finger Slide Switches
- Voltage Test Points
- Multiple Voltages
- 3 Audible Settings
90, 95, 99 dB
- 8 Candela Settings ***
Wall - 15/1575/30/75/95/110/135/185
Ceiling - 15/30/60/75/95/115/150/177
- Universal Mounting Base ***
Ceiling and Wall
Mounts to 5 Backbox Types
- Environmentally Friendly
Low Current Draw

Compatibility and Requirements

- Synchronize using the Wheelock® Sync Modules or panels with built-in Wheelock® Patented Sync Protocol
- Compatible with UL "Regulated Voltage" using filtered VDC or unfiltered VRMS input voltage
- Strobes produce 1 flash per second over the "Regulated Voltage" range

* Compared to competitive models
** Compared to previous models

*** Patented

NOTE: All CAUTIONS and WARNINGS are identified by the symbol ▲. All warnings are printed in bold capital letters.

▲ WARNING: PLEASE READ THESE SPECIFICATIONS AND ASSOCIATED INSTALLATION INSTRUCTIONS CAREFULLY BEFORE USING, SPECIFYING OR APPLYING THIS PRODUCT. VISIT WWW.COOPERNOTIFICATION.COM OR CONTACT COOPER NOTIFICATION FOR THE CURRENT INSTALLATION INSTRUCTIONS. FAILURE TO COMPLY WITH ANY OF THESE INSTRUCTIONS, CAUTIONS OR WARNINGS COULD RESULT IN IMPROPER APPLICATION, INSTALLATION AND/OR OPERATION OF THESE PRODUCTS IN AN EMERGENCY SITUATION, WHICH COULD RESULT IN PROPERTY DAMAGE, AND SERIOUS INJURY OR DEATH TO YOU AND/OR OTHERS.

General Notes:

General Notes:

- Strobes are designed to flash at 1 flash per second minimum over their "Regulated Voltage Range".
- All candela ratings represent minimum effective strobe intensity based on UL Standard 1971.
- Series Exceder Strobe products are Listed under UL Standards 1971 and 464 for indoor use with a temperature range of 32°F to 120°F (0°C to 49°C) and maximum humidity of 93% (± 2%) UL 464 (85% UL 1971).
- Series Exceder horns are under UL Standard 464 for audible signal appliances (Indoor use only).

Low Current Draw = Fewer Power Supplies

Strobe Ratings per UL Standard 1971

		UL Max Current*													
		24 VDC / 24 FWR												12 VDC	
Model	Regulated Voltage Range VDC	15	15/75	30	60	75	95	110	115	135	150	177	185	15	15/75
ST	8.0-33.0	0.057	0.070	0.085		0.135	0.163	0.182		0.205			0.253	0.110	0.140
STC	8.0-33.0	0.061		0.085	0.103	0.135	0.163		0.182		0.205	0.253		0.110	

Horn Strobe Ratings per UL 1971 & Anechoic at 24 VDC

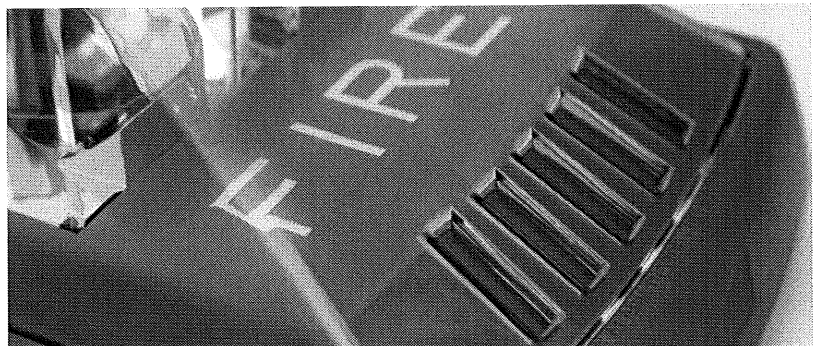
		UL Max Current* at Anechoic 99 dBA													
		24 VDC												12 VDC	
Model	Regulated Voltage Range VDC	15	15/75	30	60	75	95	110	115	135	150	177	185	15	15/75
HS	8.0-33.0	0.082	0.095	0.102		0.148	0.176	0.197		0.242			0.282	0.125	0.159
HSC	8.0-33.0	0.082		0.102	0.141	0.148	0.176		0.197		0.242	0.282		0.125	

		UL Max Current* at Anechoic 95 dBA													
		24 VDC												12 VDC	
Model	Regulated Voltage Range VDC	15	15/75	30	60	75	95	110	115	135	150	177	185	15	15/75
HS	8.0-33.0	0.073	0.083	0.087		0.139	0.163	0.186		0.230			0.272	0.122	0.153
HSC	8.0-33.0	0.073		0.087	0.128	0.139	0.163		0.186		0.230	0.272		0.122	

		UL Max Current* at Anechoic 90 dBA													
		24 VDC												12 VDC	
Model	Regulated Voltage Range VDC	15	15/75	30	60	75	95	110	115	135	150	177	185	15	15/75
HS	8.0-33.0	0.065	0.075	0.084		0.136	0.157	0.184		0.226			0.267	0.120	0.148
HSC	8.0-33.0	0.065		0.084	0.120	0.136	0.157		0.184		0.226	0.267		0.120	

Horn Ratings per UL Anechoic

Model	Regulated Voltage Range VDC	99 dB	95 dB	90 dB
HN	16-33.0	0.064	0.044	0.022
HNC	16-33.0	0.084	0.044	0.022
HN	8.0-17.5	0.047	0.026	0.017
HNC	8.0-17.5	0.047	0.026	0.017



* UL max current rating is the maximum RMS current within the listed voltage range (16-33 VDC for 24 VDC units). For strobes the UL max current is usually at the minimum listed voltage (16 VDC for 24 VDC units). For audibles the max current is usually at the maximum listed voltage (33 VDC for 24 VDC units). For unfiltered ratings, see installation instructions.

Specification & Ordering Information

Model	Strobe Candela	Sync w/ DSM or Wheelock Power Supplies	12/24 VDC*	Mounting Options
Horn Strobes				
HSR	15/1575/30/75/95/110/135/185	X	X	UMB**
HSW	15/1575/30/75/95/110/135/185	X	X	UMB**
HSRC	15/30/60/75/95/115/150/177	X	X	UMB**
HSWC	15/30/60/75/95/115/150/177	X	X	UMB**
Strobes				
STR	15/1575/30/75/95/110/135/185	X	X	UMB**
STW	15/1575/30/75/95/110/135/185	X	X	UMB**
STRC	15/30/60/75/95/115/150/177	X	X	UMB**
STWC	15/30/60/75/95/115/150/177	X	X	UMB**
Horn				
HNR		X	X	UMB**
HNW		X	X	UMB**
HNRC		X	X	UMB**
HNWC		X	X	UMB**

Easy to remember model codes

8 candelas on 1 device

1 gang, 2 gang, 4" sq, 3.5" octal & 4" octal boxes

*12 VDC models feature 15 & 15/75 settings

**UMB = Universal Mounting Base

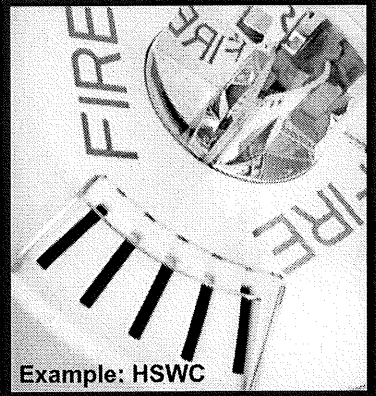
Model Legend

- HN = Horn
- ST = Strobe
- HS = Horn Strobe
- C = Ceiling Mount
- W = White
- R = Red
- A = Agent Lettering (Strobes only)
- AL = Alert Lettering (Strobes only)
- N = No Lettering (Strobes only)

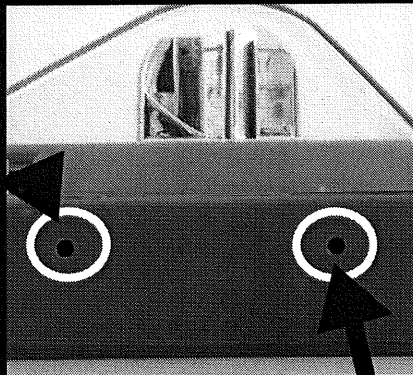
- Example 1: STRC = Strobe, Red, Ceiling Mount
- Example 2: HSR = Horn Strobe, Red, Wall Mount
- Example 3: HSW = Horn Strobe, White, Wall Mount
- Example 4: STW-AL = Strobe, White, Wall Mount, Alert Lettering



Example: HSR



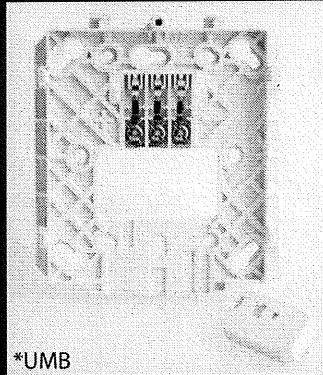
Example: HSWC



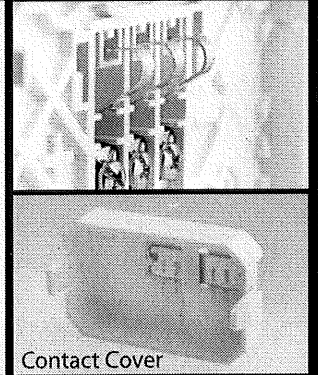
Voltage test points for quick troubleshooting and easy spot checking (wall models only)



8 candela settings



*UMB



Contact Cover

Common base for wall and ceiling with 5 mounting options

NOTE: Due to continuous development of our products, specifications and offerings are subject to change without notice in accordance with Cooper Wheelock Inc., dba Cooper Notification standard terms and conditions.

Architects and Engineers Specifications

The notification appliances shall be Wheelock® Exceder™ Series HS Audible Strobe appliances, Series ST Visual Strobe appliances and Series HN Audible appliances or approved equals. The Series HS and ST Strobes shall be listed for UL Standard 1971 (Emergency Devices for the Hearing-Impaired) for Indoor Fire Protection Service. The Series HS and HN Audibles shall be UL Listed under Standard 464 (Fire Protective Signaling). All Series shall meet the requirements of FCC Part 15 Class B. All inputs shall be compatible with standard reverse polarity supervision of circuit wiring by a Fire Alarm Control Panel (FACP) with the ability to operate from 8 to 33 VDC. Indoor wall models shall incorporate voltage test points for easy voltage inspection.

The Series HS Audible Strobe and ST Strobe appliances shall produce a flash rate of one (1) flash per second over the Regulated Voltage Range and shall incorporate a Xenon flashtube enclosed in a rugged Lexan® lens. The Series shall be of low current design. Where Multi-Candela appliances are specified, the strobe intensity shall have 8 field selectable settings at 15, 15/75, 30, 75, 95, 110, 135, 185 candela for wall mount and 15, 30, 60, 75, 95, 115, 150, 177 candela for ceiling mount. The selector switch for selecting the candela shall be tamper resistant. The 15/75 candela strobe shall be specified when 15 candela UL Standard 1971 Listing with 75 candela on-axis is required (e.g. ADA compliance). Appliances with candela settings shall show the candela selection in a visible location at all times when installed.

The audible shall have a minimum of three (3) field selectable settings for dBA levels and shall have a choice of continuous or temporal (Code 3) audible outputs.

The Series HS Audible Strobe, ST Strobe and Series HN Audible shall incorporate a patented Universal Mounting Base that shall allow mounting to a single-gang, double-gang, 4-inch square, 3.5-inch octal, 4-inch octal or 100mm European type back boxes. Two wire appliance wiring shall be capable of directly connecting to the mounting base. Continuity checking of the entire NAC circuit prior to attaching any notification appliances shall be allowed. Product shall come with Contact Cover to protect contact springs. Removal of an appliance shall result in a supervision fault condition by the Fire Alarm Control Panel (FACP). The mounting base shall be the same base among all horn, strobe, horn strobe, wall and ceiling models. All notification appliances shall be backwards compatible.

The Series HS and ST wall models shall have a low profile measuring 5.24" H x 4.58" W x 2.19" D. Series HN wall shall measure 5.24" H x 4.58" W x 1.6" D. The Series HSC and STC shall be round and have a low profile with a diameter of 6.68" x 2.63" D. Series HNC ceiling shall have a diameter of 6.68" x 1.50" D.

When synchronization is required, the appliance shall be compatible with Wheelock®'s DSM Sync Modules, Wheelock® Power Supplies or other manufacturer's panels with built-in Wheelock® Patented Sync Protocol. The strobes shall not drift out of synchronization at any time during operation. If the sync protocol fails to operate, the strobe shall revert to a non-synchronized flash-rate and still maintain (1) flash per second over its Regulated Voltage Range. The appliance shall also be designed so that the audible signal may be silenced while maintaining strobe activation when used with Wheelock® synchronization protocol.

Wall Appliances – UL Standard 1971, UL Standard 464, California State Fire Marshal (CSFM), ULC, FM

Ceiling Appliances – UL Standard 1971, UL Standard 464, California State Fire Marshal (CSFM), ULC, FM



WE ENCOURAGE AND SUPPORT NICET CERTIFICATION
3 YEAR WARRANTY

Exceder - Spec Sheet 6/11

[Click Her to Return to
Bill of Material/Index](#)

NJ Location
273 Branchport Ave.
Long Branch, NJ 07740
P: 800-631-2148
F: 732-222-8707
www.coopernotification.com

Cooper Notification is

Wheelock® **MEDC** **SAFEPATH** **WAVES**



COOPER Notification

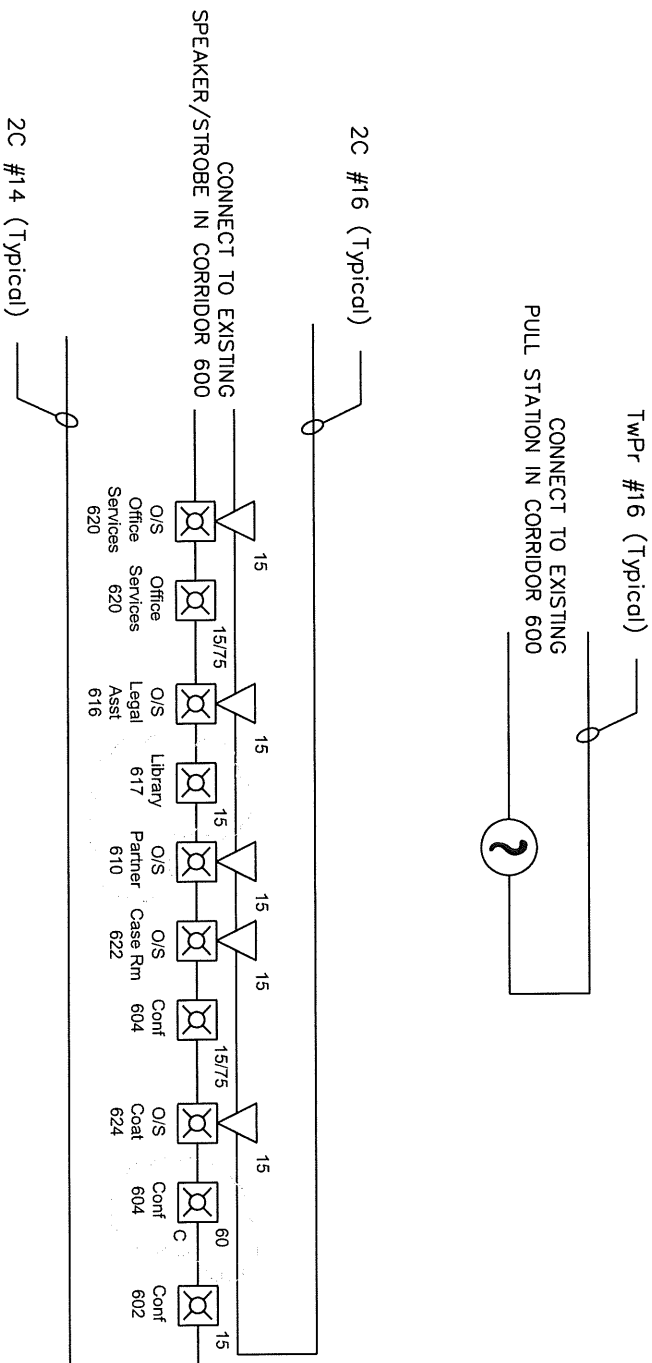
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LEGEND:

RISER DIAG SYM	CONTRACT DWG SYM	NFPA SYMBOL *	DESCRIPTION	CATALOG #
?	P	?	SMOKE DETECTOR	ADS-PL2F
⊠ _C	F	⊠	STROBE UNIT C=Ceiling Mount	STR
⊠	F	⊠	SPEAKER STROBE	ES0-24MCW-FR

GENERAL NOTES:

1. ALL WIRING IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE, APPROPRIATE STATE AND LOCAL CODES, AND MANUFACTURER'S REQUIREMENTS & RECOMMENDATIONS.
2. LOCATION OF REAR STAIRWELL MANUAL STATIONS SHALL BE REVIEWED FOR PROPER LOCATION AND CODE COMPLIANCE.
3. DEVICE CANDELA RATING SHALL BE SET AS LISTED ON PLAN/RISER.





R.B. Allen
Co., Inc.

P.O. BOX 770
131 LAFAYETTE RD
NO HUPTON, VA 23062
1-800-256-7244

DWG NAME: **1 Monument Square
Portland, ME
6th Floor Renovation
Fire Alarm Riser Diagram**

DWG No: **1MS_6_Rsr**

Added Strobe Units. Added Candela Ratings.	10/12	LG/DH	TD	
Original Issue	10/12	LG/DH	TD	
DESCRIPTION	DATE	DRWN	RWD:	

ASD

REGISTERED PROFESSIONAL ENGINEER
STATE OF MAINE
NO. 12575
EXPIRES 12/31/2024

SMK
STRUCTURAL
ENGINEERS
100 SOUTH MAIN STREET
PORTLAND, MAINE 04101
TEL: (603) 775-5555
WWW.SMK-MAINE.COM

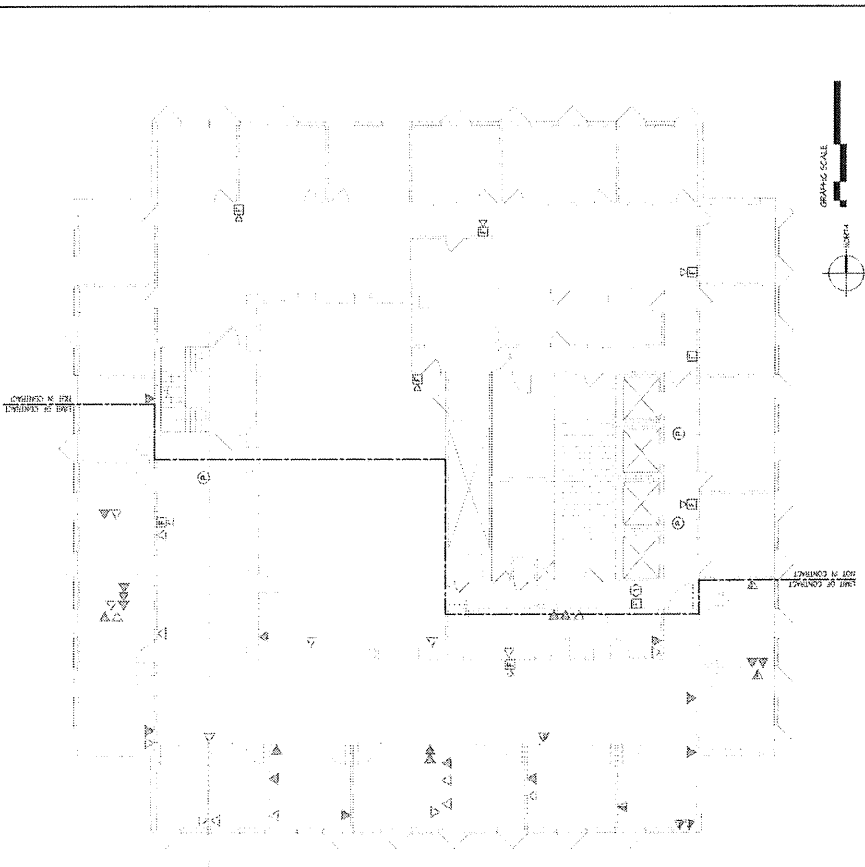
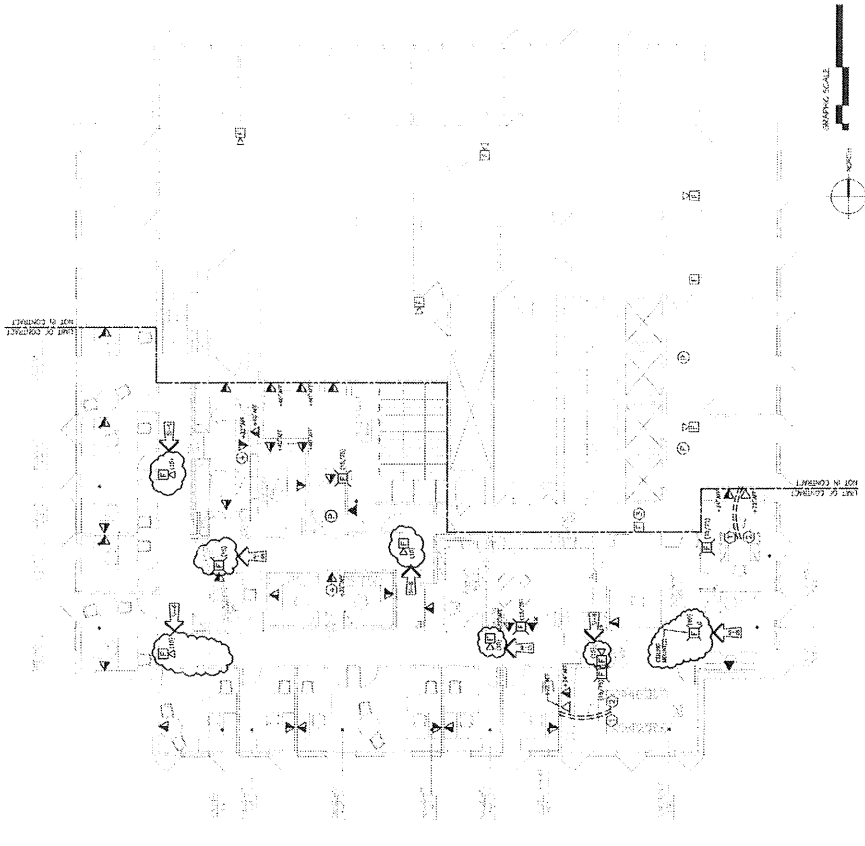
FISHER & PHILLIPS, LLP
PORTLAND, MAINE
ONE MOUNTAIN SQUARE
8TH FLOOR
PORTLAND, MAINE



NO. 12575
REGISTERED PROFESSIONAL ENGINEER
STATE OF MAINE
EXPIRES 12/31/2024
SMK-110
CDS
WPH

SYSTEMS
PLUS
05/09/2012
CDS
WPH

EY1.06



NOTE:
SEE SHEET EY1.05 FOR LOCUS AND CURIAL NOTES

KEYED NOTES — RENOVATION PLAN:

- 1. REMOVE FULL THICK AND CASE FOR NEW WORK
- 2. REMOVE FULL THICK AND CASE FOR NEW WORK
- 3. REMOVE FULL THICK AND CASE FOR NEW WORK
- 4. REMOVE FULL THICK AND CASE FOR NEW WORK
- 5. REMOVE FULL THICK AND CASE FOR NEW WORK

[Click Here to return to Bill of Material/Index](#)

GENERAL SCALE

GENERAL SCALE

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.

1. PROPERTY INFORMATION

Name of property: 1 MONUMENT SQUARE 6th floor renovation

Address: 1 MONUMENT SQUARE PORTLAND MAINE

Description of property: office

Occupancy type:

Name of property representative: FINARD PROPERTIES LLC

Address: ONE MONUMENT SQUARE SUITE 200 PORTLAND MAINE

Phone: 207-321-6723

Fax: 773-9830

E-mail:

Authority having jurisdiction over this property: PFD

Phone: 207874-4000

Fax:

E-mail:

2. INSTALLATION, SERVICE, AND TESTING CONTRACTOR INFORMATION

Installation contractor for this equipment: SEEBEA ELECTRIC

Address: SCARBOROUGH MAINE

License or certification number:

Phone: 883-4542

Fax:

E-mail:

Service organization for this equipment:

Address: RB ALLEN sticker is 12-0803 4-25-12

License or certification number: sticker is 12-0803 4-25-12

Phone: 1800-258-7264

Fax:

E-mail:

A contract for test and inspection in accordance with NFPA standards is in effect as of: 4-25-2012

Contracted testing company: RB ALLEN sticker is 12-0803 4-25-12

Address:

Phone: 1800-258-7264

Fax:

E-mail:

Contract expires: On going Contract number: Frequency of routine inspections: yearly

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 system(s):

3.1 Control Unit

Manufacturer: FCI

Model number: E3

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 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

Wide-area MNS to high-power speaker array (HPSA) interface In-building MNS to wide-area MNS interface

Other (specify):

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: FACP

3.4 System Software

This system does not have alterable site-specific software.

Operating system (executive) software revision level: 2.11

Site-specific software revision date:

Revision completed by: JIM G

A copy of the site-specific software is stored on site. Location: RBALLEN

3.5 Off-Premises Signal Transmission

This system does not have off-premises transmission.

Name of organization receiving alarm signals with phone numbers:

Alarm: protection 1

Phone:

Supervisory: protection 1

Phone:

Trouble: protection 1

Phone:

Entity to which alarms are retransmitted:

Phone:

Method of retransmission:

If Chapter 26, specify the means of transmission from the protected premises to the supervising station:

If Chapter 27, specify the type of auxiliary alarm system: Local energy Shunt Wired Wireless

4. CIRCUITS AND PATHWAYS

4.1 Signaling Line Pathways

4.1.1 Pathways Class Designations and Survivability

Pathways class: CLASS B Survivability level: Quantity:
(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: _____

4.2 Alarm Initiating Device Pathways

4.2.1 Pathways Class Designations and Survivability

Pathways class: Survivability level: Quantity: _____
(See NFPA 72, Sections 12.3 and 12.4)

4.2.2 Pathways Utilizing Two or More Media

Quantity: 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: Survivability level: Quantity: _____
(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

This system does not have manual fire alarm boxes.

Type and number of devices: Addressable: Conventional: Coded: Transmitter:
Other (specify):

5.1.2 Other Alarm Boxes

This system does 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 does not have smoke detectors.

Type and number of devices: Addressable: 1 Conventional:
Other (specify):

Type of coverage: Complete area Partial area Nonrequired partial area

Other (specify):
Type of smoke detector sensing technology: Ionization Photoelectric Multicriteria Aspirating Beam
Other (specify):

5.2.2 Duct Smoke Detectors

This system does not have alarm-causing duct smoke detectors.

Type and number of devices: Addressable: Conventional:
Other (specify):
Type of coverage:
Type of smoke detector sensing technology: Ionization Photoelectric Aspirating Beam

5.2.3 Radiant Energy (Flame) Detectors

This system 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: Complete area Partial area Nonrequired partial area Linear Spot
Type of heat detector sensing technology: Fixed temperature Rate-of-rise Rate compensated

5. ALARM INITIATING DEVICES (continued)

5.2.6 Addressable Monitoring Modules

This system does not have monitoring modules.

Number of devices:

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 incorporate alarm verification.

Number of devices subject to alarm verification: Alarm verification set for: seconds

5.2.9 Presignal

This system does not incorporate pre-signal.

Number of devices subject to presignal:

Describe presignal functions:

5.2.10 Positive Alarm Sequence (PAS)

This system does not incorporate PAS.

Describe PAS:

5.2.11 Other Initiating Devices

This system does not have other initiating devices.

Describe:

6. SUPERVISORY SIGNAL-INITIATING DEVICES

6.1 Sprinkler System Supervisory Devices

This system does not have sprinkler supervisory devices.

Type and number of devices: Addressable: Conventional: Coded: Transmitter:

Other (specify):

6.2 Fire Pump Description and Supervisory Devices

This system does not have a fire pump.

Type fire pump: Electric pump Engine

Type and number of devices: Addressable: Conventional: Coded: Transmitter:

Other (specify):

6.2.1 Fire Pump Functions Supervised

Power Running Phase reversal Selector switch not in auto Engine or control panel trouble Low fuel

Other (specify):

6.3 Duct Smoke Detectors (DSDs)

This system does not have DSDs causing supervisory signals.

Type and number of devices: Addressable: Conventional:

Other (specify):

Type of coverage:

Type of smoke detector sensing technology: Ionization Photoelectric Aspirating Beam

6.4 Other Supervisory Devices

This system does not have other supervisory devices.

Describe:

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 running Selector switch not in auto Low fuel

Other (specify):

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:

Location 2:

Location 3:

9. ALARM NOTIFICATION APPLIANCES

9.1 In-Building Fire Emergency Voice Alarm Communication System

This system does not have an EVACS.

Number of single voice alarm channels:

Number of multiple voice alarm channels:

Number of speakers: 5

Number of speaker circuits: 1

Location of amplification and sound-processing equipment:

6th floor elec

Location of paging microphone stations:

Location 1: FACP 1st floor

Location 2:

Location 3:

9.2 Nonvoice Notification Appliances

This system does not have nonvoice notification appliances.

Horns: With visible:

Bells: With visible:

Chimes: With visible:

Visible only: 5 Other (describe):

9.3 Notification Appliance Power Extender Panels

This system does not have power extender panels.

Quantity: 1

Locations: 6th floor elec

10. MASS NOTIFICATION CONTROLS, APPLIANCES, 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:

Location 2:

Location 3:

10.3 Mass Notification Devices

Combination fire alarm/MNS visible appliances:

MNS-only visible appliances:

Textual signs:

Other (describe):

Supervision class:

10.3.1 Special Hazard Notification

This system does not have special suppression pre-discharge notification.

MNS systems DO NOT override notification appliances required to provide special suppression pre-discharge notification.

11. TWO-WAY EMERGENCY COMMUNICATION SYSTEMS

11.1 Telephone System

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 Enhancement System

This system does not have a two-way radio communications enhancement system.

Percentage of area covered by two-way radio service: Critical areas: % General building areas: %

Amplification component locations:

Inbound signal strength: dBm Outbound signal strength: dBm

Donor antenna isolation is: dB above the signal booster gain

Radio frequencies covered:

Radio system monitor panel location:

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 components connected to it:

In standby mode (hours):

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 (hours): 24

In alarm mode (minutes): 15

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: 1120v

EVACS or MNS panel amps:

Overcurrent protection: Type: cb

Amps: 18

Location (of primary supply panel board):

Disconnecting means location: 6th floor electric

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 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 panels.

13.3.1 Primary Power

Input voltage of power extender panel(s): 120

Power extender panel amps: 8

Overcurrent protection: Type: cb

Amps:

Location (of primary supply panel board):

Disconnecting means location: 6th floor electric

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.

Equipment powered by a UPS system:

Location of UPS system:

Calculated capacity of UPS batteries to drive the system components 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

Battery calculations are attached

14. RECORD OF SYSTEM INSTALLATION

Fill out after all installation is complete and wiring has been checked for opens, shorts, ground faults, and improper branching, but before confucting operational acceptance tests.

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.)

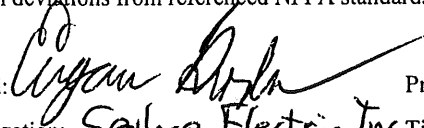
NFPA 72, Edition:

NFPA 70, National Electrical Code, Article 760, Edition:

Manufacturer's published instructions

Other (specify):

System deviations from referenced NFPA standards:

Signed: 

Printed name: Gene Rochow
Title: Estimator

Date: 12/20/12
Phone: 207-883-5448

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]

Signed: James Gailey Printed name: JAMES GAILEY Date: 12-12-12
Organization: Title: Phone:

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.

Signed: Gene Rochow Printed name: Gene Rochow Date: 12/20/12
Organization: Seabee Electric, Inc. Title: Estimator Phone: 207-883-5448

16.2 System Service Contractor:

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

Signed: James Gailey Printed name: JAMES GAILEY Date: 12-12-12
Organization: Title: sticker is 12-0803 4-25-12 Phone:

16.3 Supervising Station:

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

Signed: Printed name: Date:
Organization: Title: Phone:

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: _____ Printed name: _____ Date: _____
Organization: _____ Title: _____ 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: _____

Sprinkler Systems, Inc.

P.O. Box 1285

Lewiston, Maine 04243-1285

Ph. (207) 782-0104 Fax (207) 783-4865

Fire Protection Professionals Since 1973

PC Construction Company
131 Presumpscot Street
Portland, Maine 04103

September 25, 2012

Attn: Mr. Jared Ballard

Re: 1 Monument Square

Gentlemen:

Please be advised that the fire sprinkler renovations on the sixth floor in the Fisher-Phillips space, are completed in accordance with NFPA-13 and meets City of Portland and State of Maine code requirements for fire sprinkler installations.

If I can be of any further assistance, feel free to call.

Very Truly Yours,

J Marc Kannegieser
President