



PORTLAND MAINE

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Director of Planning and Urban Development
Penny St. Louis

Job ID: 2011-01-247-ALTCOMM

Located At: 50 INDUSTRIAL

CBL: 326 - - B - 009 - 001 - - - -

Conditions of Approval:

Fire

1. The fire alarm system shall comply with the City of Portland Standard for Signaling Systems for the Protection of Life and Property. All fire alarm installation and servicing companies shall have a Certificate of Fitness from the Fire Department.
2. In field installation shall be installed per code as conditions dictate.
3. Records cabinet, FACP, annunciator(s), and pull stations shall be keyed alike.
4. Central Station monitoring for addressable fire alarm systems shall be by point.
5. All fire alarm records required by NFPA 72 should be stored in an approved cabinet located at the FACP labeled "FIRE ALARM RECORDS".
6. Installation of a Fire Alarm system requires a Knox Box to be installed per city ordinance.
7. System acceptance and commissioning must be coordinated with alarm and suppression system contractors and the Fire Department. Call 874-8703 to schedule.
8. 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.
9. Sprinkler system shall be electrically supervised by the fire alarm system.

Building

1. Fire Alarm systems shall be installed per Sec. 907 of the IBC 2009.
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.

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.**

1. Close In Elec/Plmb/Framing
2. Final Inspection at completion of work

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.

City of Portland, Maine - Building or Use Permit Application

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

PERMIT ISSUED

MAR 29 2011

CITY OF PORTLAND

Job No: 20111038 <i>SEQUENCE 3 HVAC Review</i>	Date Applied: 1/27/2011	CBL: 326 - - B - 009 - 001 - - - -	
Location of Construction: 50 INDUSTRIAL WAY	Owner Name: * 50 INDUSTRIAL WAY LLC	Owner Address: 50 INDUSTRIAL WAY PORTLAND, ME - MAINE 04103	Phone:
Business Name:	Contractor Name: E. S. Boulos Company	Contractor Address: 45 Bradley Dr., Westbrook, ME 04092	Phone: 272-6986
Lessee/Buyer's Name:	Phone:	Permit Type: BLDG - FAFS - Fire Alarm System	Zone: I-M
Past Use: Allagash Brewers	Proposed Use: Same: Alagash Brewers - new Fire Alarm System in the new addition being built	Cost of Work: 4000.00	CEO District:
		Fire Dept: <input checked="" type="checkbox"/> Approved w/conditions <input type="checkbox"/> Denied <input type="checkbox"/> N/A Signature: <i>[Signature]</i> (58)	Inspection: Use Group: <i>F2/S</i> Type: <i>Fire Alarm</i> Signature:
Proposed Project Description: 50 Industrial Install Fire Alarm System for new addition		Pedestrian Activities District (P.A.D.) <i>3/15/11</i>	

Permit Taken By:	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 <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetlands <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan <input type="checkbox"/> Maj <input type="checkbox"/> Min <input type="checkbox"/> MM Date: <i>2/4/11</i>	Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Date:	Historic Preservation <input checked="" type="checkbox"/> Not in Dist or Landmark <input type="checkbox"/> Does not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date:
	CERTIFICATION		

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 appication 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	PHON

Fire conditions.

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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.

Sprinkler system shall be electrically supervised by the fire alarm system.

E.S. Boulos Company

Electrical & Telecommunications Contractors

**PO Box 860
Portland, Maine 04104
Telephone: (207) 464-3706
Facsimile: (207) 464-1833**

Allagash Brewery Expansion Portland, ME

Date: February 9th, 2011

To: City of Portland Fire Department
Attn: Lieutenant Benjamin Wallace
Phone: 207-756-8096
Email: WALLACEB@portlandmaine.gov

From: Jesse Klimaytis
Re: Fire Alarm Scope of Work.

The fire alarm scope of work for the above referenced Allagash Brewery Expansion is as follow:

1. Addition of four (4) audio / visual devices.
2. Addition of two (2) pull stations.
3. Relocation of one (1) existing audio/visual device to make way for new building connector.
4. Removal of one (1) existing pull station at existing egress door which is being deleted to allow for new building connector.

Please call me if you have any questions regarding this change order proposal.
We have completed this work at your direction.

Sincerely,
E.S. BOULOS COMPANY

Jesse Klimaytis
Project Manager

Benjamin Wallace - RE: Allagash Brewery

From: "Jesse Klimaytis" <jklimaytis@esboulos.com>
To: "'Melissa Peters'" <melissap@norrisinc.com>, "'Benjamin Wallace'" <walla...>
Date: 2/9/2011 3:53 PM
Subject: RE: Allagash Brewery
CC: "'Tim Matthews'" <Tim@swiftcurrenteng.com>
Attachments: Fire Alarm Scope Of Work Letter.doc

Ben, in addition please find attached a scope of work narrative for the project.
Please let me know if this will suffice the requirements of the City.

The Engineer's name is Tim Matthews. I have Cc'd him on this email.
If you need to call him direct his phone number is 207-847-9280.

Sincerely,
Jesse T. Klimaytis LEED®AP
E.S.Boulos Company
45 Bradley Drive
Westbrook, ME 04092
Phone: (207) 464-3706
Fax: (207) 464-1833
Cell: (207) 272-6986
jklimaytis@esboulos.com

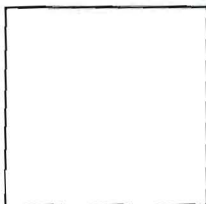
From: Melissa Peters [mailto:melissap@norrisinc.com]
Sent: Wednesday, February 09, 2011 9:46 AM
To: Benjamin Wallace; Jesse Klimaytis
Subject: Allagash Brewery

Hi Ben-
The system was designed by Swiftcurrent Engineering. The attached drawings are stamped by him.

Jesse- can you please provide Ben with the email address and phone number for Swiftcurrent?

If either of you need additional information from me, please do not hesitate to give me a call.

Thank you-



Melissa Peters

Norris Inc
South Portland Office
Sales Department
Systems Integrator

2257 West Broadway
South Portland, ME 04106

Tel: 1-800-370-3473 x1104
Fax: 1-207-879-0540
Cell: 1-207-671-9506

E-Mail: melissap@norrisinc.com
Website:

Message from: melissap@norrisinc.com
Message to: jklmaytis@esboulos.com, wallaceb@portlandmaine.gov
Attached files: 1 (287166kb)

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Benjamin Wallace - RE: 50 Industrial Way - Allagash Brewing

From: Benjamin Wallace
To: jklmaytis@esboulos.com
Date: 2/7/2011 2:26 PM
Subject: RE: 50 Industrial Way - Allagash Brewing
CC: Corey Chapman
Attachments: Benjamin Wallace.vcf

Gentleman,

I need to know who the actual fire alarm system designer is for this permit. Corey tells me he is not even though the permit application says he is. I need there NICET certification or a signed and stamped letter from a PE. I also need a scope of work.

This permit is currently on hold and work can not begin.


Thank you,

Lt. Benjamin Wallace Jr.
Fire Prevention Officer
Portland Fire Department
380 Congress Street
Portland, Maine 04101
(207)756-8096
wallaceb@portlandmaine.gov

>>> "Corey Chapman" <coreyc@norrisinc.com> 2/7/2011 2:05 PM >>>

Benjamin,

I'm not sure why I'm listed as the designer on the Allagash brewing permits. There should be an engineer of record for this project (the name is escaping me at the moment). You may want to check with the company filing the permit. Sorry I couldn't be more of a help.

 NI Logo

Corey Chapman

Norris Inc
South Portland Office
Sales Department
Systems Support Specialist

2257 West Broadway
South Portland, ME 04106

Tel: 1-800-370-3473 x1109
Fax: 1-207-879-0540

E-Mail: coreyc@norrisinc.com
Website:

Message from: coreyc@norrisinc.com
Message to: wallaceb@portlandmaine.gov
Attached files: 0 (0kb)

This message (and any associated files) is intended only for the use of the individual or entity to which it is addressed and may contain information that is confidential, subject to copyright or constitutes a trade secret. If you are not the intended recipient you are hereby notified that any dissemination, copying or distribution of this message, or files associated with this message, is strictly prohibited. If you have received this message in error, please notify us immediately by replying to the message and deleting it from your computer. Messages sent to and from us may be monitored.

Internet communications cannot be guaranteed to be secure or error-free as information could be intercepted, corrupted, lost, destroyed, arrive late or incomplete, or contain viruses. Therefore, we do not accept responsibility for any errors or omissions that are present in this message, or any attachment, that have arisen as a result of e-mail transmission. If verification is required, please request a hard-copy version. Any views or opinions presented are solely those of the author and do not necessarily represent those of the company.

From: Benjamin Wallace [mailto:wallaceb@portlandmaine.gov]
Sent: Monday, February 07, 2011 1:34 PM
To: Corey Chapman
Subject: 50 Industrial Way - Allagash Brewing

Good afternoon Corey,

I'm looking at the permit for Allagash Brewing on Industrial Way and you're listed as the designer. Could you please send me: scope of work; your NICET 3 interior fire alarm certification.

Thanks,

Lt. Benjamin Wallace Jr.
Fire Prevention Officer
Portland Fire Department
380 Congress Street
Portland, Maine 04101
(207)756-8096
wallaceb@portlandmaine.gov

Job Summary Report
Job ID: 2011-01-247-ALTCOMM

20111038

Report generated on Feb 1, 2011 4:31:53 PM

Page 1

Job Type:	Adds/Alter Remodel Only Non-Res & NonHskp	Job Description:	50 Industrial w/ permit#'s 10-067 & 10-1138	Job Year:	2010
Building Job Status Code:	Permit Issued	Pin Value:	431	Tenant Name:	Allagash Brewery
Job Application Date:		Public Building Flag:	N	Tenant Number:	
Estimated Value:	4,000	Square Footage:			
Related Parties:		* 50 INDUSTRIAL WAY LLC			Property Owner
		Norris Inc - Melissa Peters			GENERAL CONTRACTOR
		Langford & Low - & LOW LANGFORD			GENERAL CONTRACTOR

ALAGASH

Job Charges

Fee Code Description	Charge Amount	Permit Charge Adjustment	Net Charge Amount	Payment Date	Receipt Number	Payment Amount	Payment Adjustment Amount	Net Payment Amount	Outstanding Balance
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Location ID: 34610

Location Details

Alternate Id	Parcel Number	Census Tract	GIS X	GIS Y	GIS Z	GIS Reference	Longitude	Latitude
N15012	326 B 009 001		U				-70.317677	43.703214

Location Type	Subdivision Code	Subdivision Sub Code	Related Persons	Address(es)
1				50 INDUSTRIAL WAY

Location Use Code	Variance Code	Use Zone Code	Fire Zone Code	Inside Outside Code	District Code	General Location Code	Inspection Area Code	Jurisdiction Code
MANUFACTURING & CONSTRUCT		INDUSTRIAL-MODERATE IMPCT					DISTRICT 8	RIVERSIDE

Structure Details

Structure: Allagash Brewery

Occupancy Type Code:

Structure Type Code	Structure Status Type	Square Footage	Estimated Value	Address
Industrial Building	0			50 INDUSTRIAL WAY

Longitude	Latitude	GIS X	GIS Y	GIS Z	GIS Reference	User Defined Property	Value
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Permit #: 20111038

Job Summary Report
Job ID: 2011-01-247-ALTCOMM

Report generated on Feb 1, 2011 4:31:53 PM

Page 2

Permit Data								
Location Id	Structure Description	Permit Status	Permit Description	Issue Date	Reissue Date	Expiration Date		
34610	Allagash Brewery	Initialized	Allagash Brewing Fire Alarm					
Inspection Details								
Inspection Id	Inspection Type	Inspection Result Status	Inspection Status Date	Scheduled Start Timestamp	Result Status Date	Final Inspection Flag		
Fees Details								
Fee Code Description	Charge Amount	Permit Charge Adjustment	Permit Charge Adj Remark	Payment Date	Receipt Number	Payment Amount	Payment Adjustment Amount	Payment Adj Comment

Permit #: BLDG-700

Permit Data								
Location Id	Structure Description	Permit Status	Permit Description	Issue Date	Reissue Date	Expiration Date		
34610	Allagash Brewery	Final Insp Comp	5,200 sq ft Addition w/ permit#'s 100867 & 101138	1/28/11		7/27/11		
Inspection Details								
Inspection Id	Inspection Type	Inspection Result Status	Inspection Status Date	Scheduled Start Timestamp	Result Status Date	Final Inspection Flag		
Fees Details								
Fee Code Description	Charge Amount	Permit Charge Adjustment	Permit Charge Adj Remark	Payment Date	Receipt Number	Payment Amount	Payment Adjustment Amount	Payment Adj Comment

2011-1038



Fire Alarm Permit

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

Installation address: 50 Industrial Way CBL: 326-B-9
Exact location: (within structure) New addition on East end of building
Type of occupancy(s) (NFPA & ICC): Factory / Industrial
Building owner: Allagash Brewing Company
System Designer (point of contact): Must be Corey Chapman (Norris, Inc.) Tim Matthews
Designer phone: 1-800-370-3473 x1109 207-847-9280 E-mail: coreyc@norrisinc.com tim@swiftcurrenteng.com
Installing contractor: E.S. Boulos Company Certificate of Fitness No: T1026
Contractor phone: 1-207-272-6986 E-mail: jklimaytis@esboulos.com

This is a new application: YES ☒ NO ☐ New AES Master Box: YES ☐ NO ☒
(Include Master Box approval form)

Amendment to an existing permit: YES ☐ NO ☐ Permit no: _____

The following documents **shall** be provided with this application:

- | | |
|--|---|
| <input checked="" type="checkbox"/> Floor plans | <input checked="" type="checkbox"/> Scope of Work |
| <input checked="" type="checkbox"/> Wiring diagram | <input checked="" type="checkbox"/> 11 1/2 x 17s |
| <input checked="" type="checkbox"/> Annunciator details | <input checked="" type="checkbox"/> pdf copy (may be e-mailed) |
| <input checked="" type="checkbox"/> Input/ Output Matrix | <input checked="" type="checkbox"/> Designer qualifications |
| <input checked="" type="checkbox"/> Equipment data sheets | <input checked="" type="checkbox"/> Battery/ voltage drop calcs |
| <input checked="" type="checkbox"/> Electrical Permit Pulled (check alarm/com) | |

Master box approval only: YES ☐ NO ☒
(If yes check *New AES Master Box* above)

COST OF WORK: \$3,200
PERMIT FEE: \$52.00
(\$10 PER \$1,000 + \$30 FOR THE FIRST \$1,000)

The **designer** shall be the responsible party for this application. Download a new copy of this application at www.portlandmaine.gov/fire for every submittal. Submit all plans in electronic **PDF in addition to readable 11 1/2 x 17s** to the Building Inspections Department, 389 Congress Street, Room 315, Portland, Maine 04101.

Prior to acceptance of any fire alarm system, a complete commissioning and acceptance test must be coordinated with all fire system contractors and the Fire Department, and proper documentation of such test(s) provided.

All installation(s) must comply with the *City of Portland Technical Standard for Signaling Systems for the Protection of Life and Property*, available at www.portlandmaine.gov/fire.

Applicant signature: [Signature] Date: 1/27/2011


This
Certificate of Fitness
for
Fire Alarm Installation and Servicing Company
is awarded to



E.S. BOULOS CO
45 Bradley Dr.
Westbrook, ME 04092
(207)464-3706

CF # T1026





Authority Having Jurisdiction

12/31/2010

Expiration Date

**THIS CERTIFICATE IS NOT AN ENDORSEMENT OF THIS COMPANY BY THE
AUTHORITY HAVING JURISDICTION.**

**TERMS AND CONDITIONS OF THIS CERTIFICATE OF FITNESS SHALL BE AS
FOLLOWS:**

**THIS CERTIFICATE REMAINS THE PROPERTY OF THE PORTLAND FIRE
DEPARTMENT AND SHALL BE RETURNED UPON DEMAND;**

THIS CERTIFICATE OF FITNESS IS NON-TRANSFERABLE;

**THIS CERTIFICATE OF FITNESS SHALL REMAIN IN EFFECT IN SO FAR AS THE
BEARER OF SAID INSTRUMENT SHALL COMPLY WITH RULES AND
REGULATIONS ESTABLISHED BY THE AUTHORITY HAVING JURISDICTION.**

**FAILURE TO COMPLY WITH ALL RULES AND REGULATIONS OF THE
AUTHORITY HAVING JURISDICTION WILL RESULT IN THE FOLLOWING:**

FIRST OFFENCE: PLAN OF ACTION TO ADDRESS DEFICIENCIES

SECOND OFFENCE: PROBATION OF SERVICE COMPANY

THIRD OFFENCE: TERMINATION OF CERTIFICATE OF FITNESS

E.S. Boulos Company

Integrated Power and Building Technologies

Corporate Office

45 Bradley Drive
Westbrook, ME 04092
Tele: (207)464-3706
Fax: (207)464-1833

Utility/Industrial Office

70 Commercial Street
Lewiston, ME 04240
Tele: (207)784-0906
Fax: (207)784-9426

Letter of Transmittal

To: Cindy Gowell
Langford & Low Inc.
PO Box 662
248 Warren Ave
Portland, ME 04104-0662
Ph: (207)797-5141 Fax: (207)797-0919

Transmittal #: 10

Date: 11/9/2010

Job: PORT10-126 Allagash Brewery

Subject: Submittal

WE ARE SENDING YOU

- | | | | |
|---|--|---|---|
| <input type="checkbox"/> Attached | <input type="checkbox"/> Under separate cover via the following items: | | |
| <input type="checkbox"/> Shop drawings | <input type="checkbox"/> Prints | <input type="checkbox"/> Plans | <input type="checkbox"/> Samples |
| <input type="checkbox"/> Copy of letter | <input type="checkbox"/> Change order | <input type="checkbox"/> Specifications | <input checked="" type="checkbox"/> Submittal |

Document Type	Copies	Date	No.	Description
Submittal	1		283100-1 Rev 0	Fire Alarm System

THESE ARE TRANSMITTED as checked below:

- | | | |
|--|---|---|
| <input checked="" type="checkbox"/> For approval | <input type="checkbox"/> Approved as submitted | <input type="checkbox"/> Resubmit ___ copies for approval |
| <input type="checkbox"/> For your use | <input type="checkbox"/> Approved as noted | <input type="checkbox"/> Submit ___ copies for distribution |
| <input type="checkbox"/> As requested | <input type="checkbox"/> Returned for corrections | <input type="checkbox"/> Return ___ corrected prints |
| <input type="checkbox"/> For review and comment | <input type="checkbox"/> Other | |
| <input checked="" type="checkbox"/> FOR BIDS DUE | <input type="checkbox"/> PRINTS RETURNED AFTER LOAN TO US | |

Remarks:

Copy To: File, Gabrielle Russell (Langford & Low Inc.), Butch Campbell (Langford & Low Inc.)

From: Jesse Klimaytis (E. S. Boulos Company)

Signature: _____

Jesse Klimaytis

Digitally signed by Jesse Klimaytis
DN: cn=Jesse Klimaytis, o=E.S.Boulos Company,
ou, email=jklimaytis@esboulos.com, c=US
Date: 2010.11.09 21:44:59 -05'00'

E.S. Boulos Company

Integrated Power and Building Technologies

Corporate Office

45 Bradley Drive
Westbrook, ME 04092
Tele: (207)464-3706
Fax: (207)464-1833

Utility/Industrial Office

70 Commercial Street
Lewiston, ME 04240
Tele: (207)784-0906
Fax: (207)784-9426

Submittal

Job: PORT10-126

Allagash Brewery
50 Industrial Way
Portland, ME 04103

Spec Section No: 283100

Submittal No: 1

Revision No: 0

Sent Date: 11/9/2010

Submittal Title: Fire Alarm System

Langford & Low Inc.
Cindy Gowell
PO Box 662
248 Warren Ave
Portland, ME 04104-0662
Ph: (207)797-5141

Contractor's Stamp

Architect

Architect's Stamp

Engineer

Engineer's Stamp



PO Box 2551
2257 West Broadway
South Portland, ME 04106

1.800.370.3473
fax 207.879.0540

www.norrisinc.com

SUBMITTAL PACKAGE

Project: Allagash Brewery Adds

System: Fire Alarm

Submitted Norris Inc.

By: 2257 West Broadway
South Portland, Maine 04106
Telephone: (800) 370-3473

**Project
Manager:** Corey Chapman

Electrical E S Boulos

Contractor:

Date: 11/5/10



PO Box 2551
2257 West Broadway
South Portland, ME 04106

1.800.370.3473
fax 207.879.0540

www.norrisinc.com

Company Profile

"We are extremely proud to represent the highest quality manufacturers integrating life safety, alarm and communication systems throughout northern New England."

-- Bradford Norris, President --

Mission Statement

Provide quality engineered systems, exceptional service.

Goal

Learn...Continually Improve...Exceed Expectations

Founded in 1979 Norris Inc. has grown to become Northern New England's leading integrated system contracting and supply company. Norris Inc. is an innovated proactive organization with extensive experience in integration interdisciplinary building management systems. Our local and national affiliations assure that your project will be done properly regardless of size representing leading manufacturers our comprehensive products provide outstanding quality reliability and performance... surpassing customer application requirements and exceeding the stringent requirements of Underwriters Laboratories, National Fire Protection Association and other codes. We maintain an exceptional level of quality and provide the highest levels of customer service. Our knowledgeable technical support will insure the great service you deserve. Whether your needs involve industrial, commercial, institutional, or educational applications, you can trust that Norris Inc. has the complete resources it takes to provide the right solution right away.



National Independent Fire Alarm Distributors Association

This is to Certify that

Morris Inc.

is a

Member in Good Standing

and is entitled to all rights and privileges of such membership

David Palmer

Secretary

Bob Smith

President

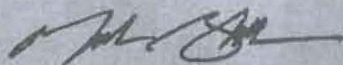
NBFAA

Electronic Life Safety, Security
& Systems Professionals

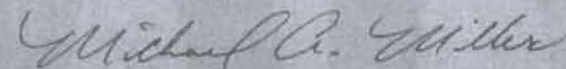
National Burglar & Fire Alarm Association

Norris Inc

*is a member in good standing entitled to all rights
& privileges of membership and subject to all conditions
& objectives as defined in the association bylaws.*



Merlin J. Guilbeau
Executive Director



Michael A. Miller
President

NATIONAL SYSTEMS CONTRACTORS ASSOCIATION

NSCA Membership Certificate

This is to certify that

Norris Inc

is an official member of the

National Systems Contractors Association

on this the

First of December

Andrew M. Musci

Andrew M. Musci
President

Chuck R. Wilson

Chuck Wilson
Executive Director

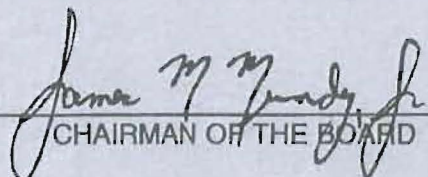
Certificate of Membership

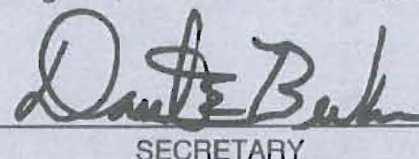
AFAA

This is to Certify that
Norris, Inc.

Has been duly elected to membership in this organization through
May 31, 1999

and pledged to improve LIFE SAFETY IN AMERICA by striving to ensure
fire protective signaling and automatic detection systems are properly designed, installed and maintained.


CHAIRMAN OF THE BOARD


SECRETARY

AUTOMATIC FIRE ALARM ASSOCIATION, INC.

a non-profit organization



PO Box 2551
2257 West Broadway
South Portland, ME 04106

1.800.370.3473
fax 207.879.0540

www.norrisinc.com

Please fax this information to the Administrative Sales Assistant at the So. Portland Office at (207)-879-0540.

Building Owner Information Form

Job Name:	Project #:
-----------	------------

Electrical Contractor:

NFPA requires this information for proper documentation

****The contractor MUST provide all of the information with an
asterisk below before ANY equipment can be released.***

If building owner contact is unknown provide contact name/tel. of GC and check box

Electrical Contractor Contact Name:	
Estimated Date Equip. Needed:	*Estimated Finals Date:

*Building Owner:

*Job Site Address:

*City:	State:	Zip:
--------	--------	------

*Contact Name:	Check here if GC
----------------	------------------

*Phone #:	Fax #:
-----------	--------



PO Box 2551
2257 West Broadway
South Portland, ME 04106

1.800.370.3473
fax 207.879.0540

www.norrisinc.com

Thank you for your cooperation.

Please advise the building owners that if this system is equipped with a digital communicator, then they MUST also make monitoring arrangements prior to a certificate of occupancy. Norris Inc. will attempt to contact the building owners

STOP!

**THIS COPY IS FOR YOUR ELECTRICIAN
ON THE JOB-SITE**

PLEASE BE SURE THIS COPY IS FORWARDED

- 1) A riser diagram is enclosed. **DO NOT USE THE ENGINEER'S RISER SHOWN ON THE PLANS.** If there is any information that you question, call us immediately.
 - 2) **YOU MUST CALL AT LEAST FIVE DAYS IN ADVANCE TO SCHEDULE FINAL CONNECTION ASSISTANCE.**
 - 3) All of your wires must be labeled and clear of any grounds, shorts or opens and must maintain polarity throughout. Meter out all circuits before calling for final connection assistance. If applicable verify End of Line resistors are in place.
 - 4) If using shielded cable, the drain wires must be connected and fully insulated (wrapped with tape) so that neither the shield or the drain wire touches the backbox.
 - 5) Unless special arrangements are made, we will make one final job-site visit. If a special visit is required for an elevator inspection or partial occupancy, then additional charges may apply if special arrangements were not made ahead. Call your customer service representative.
 - 6) If you have any defective or left-over parts **DO NOT WRITE ON THEM OR THE BOXES.** Save the original box, all mounting hardware and instructions. Returns that do not conform to this practice will not be accepted for credit.
 - 7) If the system is being monitored through a digital communicator, then please turn to page 2.
-



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IMPORTANT INFORMATION FOR THE BUILDING OWNERS

SPECIAL NOTE REGARDING ALARM MONITORING SERVICES

Included within your alarm system package is a digital communicator, which sends a coded message to a private 24-hour central station if your alarm system is activated. This is a code requirement for most fire alarm systems. As a service to our customers, we offer central station monitoring services from our local UL Listed central station at extremely competitive rates.

If the central station monitoring contract is purchased through Norris Inc. prior to our scheduled start-up; we will connect, program, and test the communicator at no additional charge.

Should the building owners decide to obtain monitoring services from another company, then the costs for programming and testing the communicator will be the sole responsibility of the firm they have contracted with. Furthermore, if programming changes are made to the system by persons other than Norris Inc. technicians, then the company performing the changes shall be solely liable for any personal injury or loss of life or damage to or loss of property arising out of the use of or inability to use the system and it shall result in a waiver of any system warranties.

We appreciate that you understand the delicate nature of this life safety and/or security system and realize that serious problems may arise when modifications to the system are made including very simple programming changes.

**Call Norris Inc. at 1-888-312-FIRE (3473) to make
arrangements for central station monitoring services.**



This is to certify that

NORRIS, INC.

is an authorized Engineered Systems Distributor for NOTIFIER

During the year of 2010

JH Imberli

Signed for and on behalf of NOTIFIER

Vice President Domestic Sales



Norris Inc
2257 West Broadway
South Portland, ME 04106
1-800-370-3473

**** SUBMITTAL ****

11/5/2010

Project Number: 308365SP

For :

ESB
Allagash Brewery Adds
Customer P.O.: X

**** SUBMITTAL ** to:**

E S BOULOS
45 BRADLEY DRIVE
WESTBROOK, ME 04092-

Tel: 207-464-3706

Fax: 207-464-1833

Project Site:

ESB
Jesse

45 Bradley Dr.
Westbrook, ME 04092

Mfr-Part No.	Qty	Description	Unit Price	Extended
--------------	-----	-------------	------------	----------

		Notifier Fire Alarm Control (existing)		
	2	Pullstation, Red Die Cast (Notifier key)		
	4	Horn Strobe, Wall, Red		
	1	8.0 amps, 120 VAC remote charger power supply		
	2	12V 7AMP BATTERY		

Reliable Security Group P.O. Box 849 Lakewood CA. 90714
P 562-529-5100 F 562-529-5102



MANUAL STATIONS



The RMS manual pull station is a high quality non toxic die-cast manual pull station manufactured entirely in the U.S.A. Low profile design and smooth edges offer an attractive yet functional design. All components are prepainted or have plated surfaces to inhibit corrosion. Electrically the RMS manual pull station is unbeatable with 10 amp snap action switch offered in all possible contact arrangements (including gold contacts). The RMS pull station can be used with or without a break glass rod with replacement requiring no special tools.

Other features include:

- Lift and pull
- Break glass cover
- Institutional key lock
- Weather and explosion proof versions
- All stations offer hex screw or key lock access
- Private labeling and special options also available



RMS-EXP-1

RMS-LP-1

RMS-WP-1

RMS-Inst-1

() represents switch type plus pigtail leads or terminal block connections





RMS IT Shown

CONSTRUCTION MATERIAL

- Painted Die Cast Housing
- 14 Ga Plated Steel Back Plate
- Corrosion Inhibited Surfaces
- Terminal Block (4 Position)
- Single Gang Mounting
- 10 AMP Snap Action Switch (S.P.S.T., S.P.D.T.)

SPECIFICATIONS

Electrical

Switch	10 amp @ 120vac
Gold Contact	1.0 amp @ 120vac
Key Switch	0.5 amp @ 30vdc
Phone Jack	0.1 amp @ 24vdc

Dimensions

Station	Width 3.200in
	Length 4.750in
	Depth 0.875in

Weight	15.5oz/420 grams
Mount	Single gang

RMS-D&H	Width 3.325in
	Length 4.750in
	Depth 1.625in

Weight	1lb 6oz/756 grams
--------	-------------------

RMS-LP and LPH	Width 3.325in
	Length 4.750in
	Depth 1.500in

Weight	1lb 4oz/680 grams
--------	-------------------

ORDERING INFORMATION

Manual Station Series — RMS () ()
 Switch type plus pigtail leads
 or terminal block connections
 Package options —

Options (add to above)

- 1P S.P.S.T. with pigtail
- 1T S.P.S.T. with terminal block
- 2T D.P.S.T. with terminal block
- 6T D.P.D.T. with terminal block
- PS Presignal key switch 0.5 amp @ 30vdc
- LP Lift and pull dual action adaptor
- LPH Lift and pull dual action adaptor
- LED Light emitting diode (red/green/yellow)
- GCS S.P.D.T. Gold Contact 1.0amp @ 120vac
- GCD D.P.D.T. Gold Contact 1.0amp @ 120vac
- PJ Phone Jack 0.1amp @ 24vdc
- KL Key lock access (repealer key type)
- BB Surface mounting back box
- EXC Exit alarm only sign

Example: RMS-1P-1T-PS-LED-GCS-GCD-PJ-KL-BB-EXC
 (RMS) (Switch type) (Terminal block) (Package options)

Note: Meets UL, FM, CSEM and BSA requirements. Quality pricing/Private labeling available.

Wheelock® Exceder™

Horns and Strobes



Audio/Visual Devices

General

The Wheelock® Exceder™ Series of notification appliances feature a sleek modern design and numerous features including eight candela options in one appliance, low current draw, no tools needed for setting changes, 12/24 VDC operation, universal mounting base and multiple mounting options.

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.

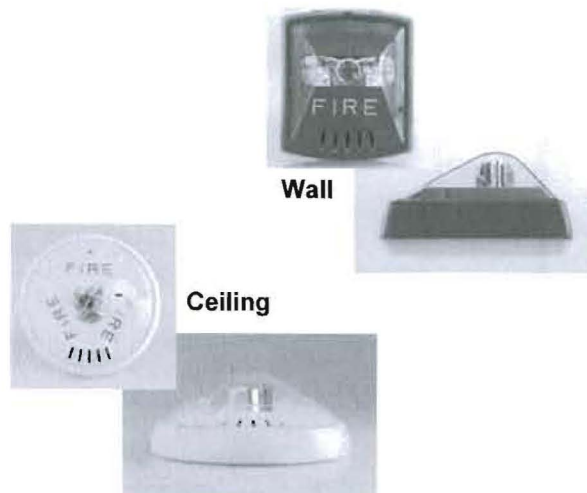
The contact cover is polarized to prevent it from being installed incorrectly and prevents the appliance from being installed while it is on the UMB. When the contact cover is removed the circuit will show an open until the appliance is installed. The UMB allows for consistent installation and easy replacement of appliances if required. Wall models provide an optional locking screw for extra secure installation, while the ceiling models provide a captive screw to prevent the screw from falling during installation.

Features

- Multiple voltages
- Voltage test points for quick troubleshooting and easy spot-checking (wall models only)
- 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
- Finger-slide switches
- Sleek modern aesthetics
- Common base for wall and ceiling with 5 mounting options:
 - 1-gang
 - 2-gang
 - 4 inch square
 - 3.5 inch octagonal
 - 4 inch octagonal

Compatibility and Requirements

- Synchronize using 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 one flash per second over the Regulated Voltage range.



General Notes

- 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% ($\pm 2\%$) UL 464 (85% UL 1971).
- Series Exceder horns are under UL Standard 464 for audible signal appliances (Indoor use only).
- Product naming conventions: The Exceder line's model codes break down into easy-to-remember codes. HN = Horn, ST = Strobe, HS = Horn-strobe, C = Ceiling Mount, W = White, and R = Red. So "STRC" can be read as "Strobe, Red, Ceiling-mount.", and "HSW" is "Horn-strobe, white, wall-mount."
- Refer to your fire alarm panel or power supply manual when calculating the number of devices allowed per circuit.

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

MOUNTING OPTIONS

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" square, 3.5" octagonal, 4" octagonal 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.

PHYSICAL SPECIFICATIONS

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.

SYNCHRONIZATION

When synchronization is required, the appliance shall be compatible with Wheelock®'s SM, 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 one 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.

Standards and Codes

Modules in this series comply with UL Standard 1971, UL Standard 464, California State Fire Marshal (CSFM), and ULC.

Agency Listings

These listings and approvals apply to the modules specified in this document. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

- **UL Listed:** S5391 (Strobes); E5946 (Horns, Horn/strobes).
- **ULC Listed**
- **CSFM Listed:** 7125-0785:168.

Specification & Ordering Information

Model	Strobe Candela	12/24 VDC	Mounting Options
Horn Strobes			
HSR	15, 15/75, 30, 75, 95, 110, 135, 185	X	Universal Mounting Base
HSW	15, 15/75, 30, 75, 95, 110, 135, 185	X	Universal Mounting Base
HSRC	15, 30, 60, 75, 95, 115, 150, 177	X	Universal Mounting Base
HSWC	15, 30, 60, 75, 95, 115, 150, 177	X	Universal Mounting Base
Strobes			
STR	15, 15/75, 30, 75, 95, 110, 135, 185	X	Universal Mounting Base
STW	15, 15/75, 30, 75, 95, 110, 135, 185	X	Universal Mounting Base
STRC	15, 30, 60, 75, 95, 115, 150, 177	X	Universal Mounting Base
STWC	15, 30, 60, 75, 95, 115, 150, 177	X	Universal Mounting Base
Horns			
HNR	—	X	Universal Mounting Base
HNW	—	X	Universal Mounting Base
HNRC	—	X	Universal Mounting Base
HNWC	—	X	Universal Mounting Base
*12 VDC models feature 15 and 15/75 settings			
NOTE: Due to continuous development of Cooper Wheelock products, specifications and offerings are subject to change without notice in accordance with Cooper Wheelock Inc., dba Cooper Notification standard terms and conditions.			

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We try to keep our product information up-to-date and accurate.
We cannot cover all specific applications or anticipate all requirements.
All specifications are subject to change without notice.



Made in the U.S. A.

For more information, contact Notifier. Phone: (203) 484-7161, FAX: (203) 484-7118.
www.notifier.com

FCPS-24S6(C/E) & FCPS-24S8(C/E)

6- & 8-Amp 24-Volt Remote Power Supplies

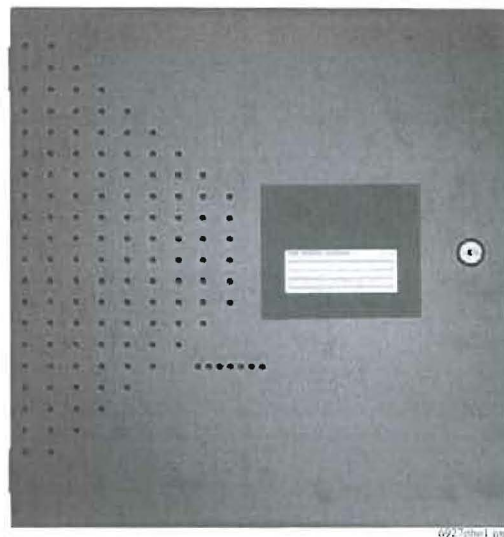


Power Supplies

General

The FCPS-24S6E (6-amp) and FCPS-24S8E (8-amp) are remote power supplies with battery charger. The FCPS-24S6/-24S8 may be connected to any 12 or 24 volt fire alarm control panel (FACP) or may be used as stand-alone supplies. Primary applications include notification appliance (bell) circuit (NAC) expansion (to support ADA requirements and NAC synchronization) or auxiliary power to support 24 volt system accessories. The FCPS-24S6/-24S8 provides regulated and filtered 24 VDC power to four notification appliance circuits configured as either four Class B (Style Y) or Class A (Style Z, with ZNAC-4 option module). Alternately, the four outputs may be configured as all non-resettable, all resettable or two non-resettable and two resettable. The FCPS-24S6/-24S8 also contains a battery charger capable of charging up to 18 AH batteries. FCPS-24S6C & FCPS-24S8C are ULC-listed.

NOTE: Unless otherwise specified, the terms FCPS-24S6 and FCPS-24S8 used in this document refers to the standard FCPS-24S6 and FCPS-24S8, FCPS-24S6C and FCPS-24S8C, the FCPS-24S6E and FCPS-24S8E



Features

- UL-Listed NAC synchronization using System Sensor, Wheelock, or Gentex "Commander²" appliances.
- Operates as a "sync-follower" or as a "sync-generator" (default). See note on page 2.
- Contains two fully-isolated input/control circuits - triggered from FACP NAC (NAC expander mode) or jumped permanently "ON" (stand-alone mode).
- Four Class B (Style Y) or four Class A (Style Z, with ZNAC-4 module) NACs.
- 6-amp (FCPS-24S6) or 8-amp (FCPS-24S8) full load output, with 3 amps maximum/circuit, in NAC expander mode (UL 864).
- 4-amp (FCPS-24S6) or 6-amp (FCPS-24S8) continuous output in stand-alone mode (UL 1481).
- Compatible with coded inputs; signals passed through.
- Optional power-supervision relay (EOLR-1).
- In stand-alone mode, output power circuits may be configured as: resettable, (reset line from FACP required), non-resettable, or a mix of two and two.
- Fully regulated and filtered power output - optimal for powering four-wire smoke detectors, annunciators, and other system peripherals requiring regulated/filtered power.
- Power-limiting technology meets UL power-limiting requirements.
- Form-C normally-closed trouble relay.
- Fully supervised power supply, battery, and NACs.
- Selectable earth fault detection.
- AC trouble report selectable for immediate 2-hour delay.
- Works with virtually any UL 864 fire alarm control which utilizes an industry-standard reverse-polarity notification circuit (including unfiltered and unregulated bell power).
- Requires input trigger voltage of 9 - 32 VDC.
- Self-contained in compact, locking cabinet - 15"H x 14.5"W x 2.75"D (cm: 38.1H x 36.83W x 6.985D).

- Includes integral battery charger capable of charging up to 18 AH batteries. Cabinet capable of housing 7.0 AH batteries.
- Battery charger may be disabled via DIP switch for applications requiring larger batteries.
- Fixed, clamp-type terminal blocks accommodate up to 12 AWG (3.1mm²) wire.

Specifications

Primary (AC) Power:

- FCPS-24S6C/-24S8C: 120 VAC, 60 Hz, 3.2A maximum.
- FCPS-24S6E/-24S8E: 240 VAC, 50 Hz, 1.6A maximum.
- Wire Size: minimum #14 AWG (2.0mm²) with 600 V insulation.

Control Input Circuit:

- **Trigger Input Voltage:** 9 to 32 VDC.
- **Trigger Current:** 2.0 mA (16 - 32 V); Per Input: 1.0 mA (9 - 16 V).

Trouble Contact Rating:

5 A at 24 VDC.

Auxiliary Power Output: Specific application power 500 mA maximum.

Output Circuits:

- +24 VDC filtered, regulated.
- 3.0 A maximum for any one circuit.
- Total continuous current for all outputs (stand-alone mode):
 - FCPS-24S6: 4.0 A maximum.
 - FCPS-24S8: 6.0 A maximum.
- Total short-term current for all outputs (NAC expander mode):
 - FCPS-24S6: 6.0 A maximum.
 - FCPS-24S8: 8.0 A maximum.

Secondary Power (Battery) Charging Circuit:

- Supports lead-acid batteries only.
- Float-charge voltage: 27.6 VDC.

- Maximum current charge: 1.5 A.
- Maximum battery capacity: 18 AH.

Applications

Example 1: Expand notification appliance power an additional 6.0 A (FCPS-24S6) or 8.0 A (FCPS-24S8). Use up to four Class B (Style Y) outputs or four Class A (Style Z) outputs (using ZNAC-4). For example, the FACP notification appliance circuits will activate the FCPS when reverse-polarity activation occurs. Trouble conditions on the FCPS are sensed by the FACP through the notification appliance circuit.

Example 2: Use the FCPS to expand auxiliary regulated 24-volt system power up to 4.0 A (FCPS-24S6) or up to 6.0 A (FCPS-24S8). Both resettable and non-resettable power options are available. Resettable outputs are created by connecting the resettable output from the FACP to one or both of the FCPS inputs.

Example 3: Use addressable control modules to activate the FCPS instead of activating it through the FACP notification appliance circuits. This typically allows for mounting the FCPS at greater distances* away from the FACP while expanding system architecture in various applications.

For example, an addressable control module is used to activate the FCPS, and an addressable monitor module is used to sense FCPS trouble conditions. Local auxiliary power output from the FCPS provides power to the addressable control module.

**NOTE: Addressable FACP's are capable of locating control and monitor modules at distances of up to 12,500 feet (3,810 meters).*

Sync Follower/Generator Note

In some installations, it is necessary to synchronize the flash timing of all strobes in the system for ADA compliance. Strobes accomplish this by monitoring very short timing pulses on the NAC power which are created by the FACP. When installed at the end of a NAC wire run, the FCPS-24S6/-24S8 can track (i.e. "follow") the strobe synchronization timing pulses on the existing NAC wire run. This maintains the overall system flash timing of the additional strobes attaches to the FCPS.

When the FCPS-24S6/-24S8 is configured (via DIP switch settings) as a "sync follower," the FCPS's NAC outputs track the strobe synchronization pulses present at the FCPS's sync input terminal. The pulses originate from an upstream FACP or other power supply.

When the FCPS-24S6/-24S8 are configured (via DIP switch settings) as a "sync generator," the FCPS's sync input terminals are not used. Rather, the FCPS is the originator of the strobe synchronization pulses on the FCPS's NAC outputs. In "sync generator" mode, the sync type (System Sensor, Wheelock, or Gentex) is selectable via DIP switch settings.

Standards and Codes

The FCPS-24S6 and FCPS-24S8 comply with the following standards:

- **NFPA 72** National Fire Alarm Code.
- **UL 864** Standard for Control Units for Fire Alarm Systems (NAC expander mode).
- **UL 1481** Power Supplies for Fire Alarm Systems.

Agency Listings and Approvals

These listings and approvals apply to the modules specified in this document. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

- **UL Listed:** S635, S674
- **ULC Listed:** S635 (FCPS-24S6C & FCPS-24S8C)
- **CSFM Approved:** 7315-0028:225
- **MEA:** 299-02-E
- **FM Approved**

Ordering Information

FCPS-24S6: 6.0 A, 120 VAC remote charger power supply. Includes main printed circuit board, transformers, enclosure (15"H x 14.5"W x 2.75"D [cm: 38.1H x 36.83W x 6.985D]), and installation instructions.

FCPS-24S6C: Same as above, ULC-listed.

FCPS-24S6R: Same as FCPS-24S6 with red enclosure.

FCPS-24S6E: 6.0 A, 240 VAC remote charger power supply. Includes main printed circuit board, transformers, enclosure (15"H x 14.5"W x 2.75"D [cm: 38.1H x 36.83W x 6.985D]), and installation instructions.

FCPS-24S8: 8.0 A, 120 VAC remote charger power supply. Includes main printed circuit board, transformers, enclosure (15"H x 14.5"W x 2.75"D [cm: 38.1H x 36.83W x 6.985D]), and installation instructions.

FCPS-24S8C Same as above, ULC-listed.

FCPS-24S8R: Same as FCPS-24S8 with red enclosure.

FCPS-24S8E: 8.0 A, 240 VAC remote charger power supply. Includes main printed circuit board, transformers, enclosure (15"H x 14.5"W x 2.75"D [cm: 38.1H x 36.83W x 6.985D]), and installation instructions.

ZNAC-4: Class A (Style Y) NAC option module.

EOLR-1: 12/24 VDC end-of-line relay for monitoring four-wire smoke detector power.

BAT-1270: Battery, 12-volt, 7.0 AH (two required, see BAT Series data sheet DN-6933).

PS-1270: Battery, 12-volt, 7.0 AH (two required, see PS Series data sheet DN-1109)

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We cannot cover all specific applications or anticipate all requirements.
All specifications are subject to change without notice.

For more information, contact Notifier. Phone: (203) 484-7161, FAX: (203) 484-7118.
www.notifier.com



BAT Series Batteries

Sealed Lead-Acid or Gell Cell



Power Supplies

General

BAT Series Batteries feature a new part-numbering/listing system — providing an improved method of delivery for NOTIFIER-approved sealed lead-acid batteries for all your fire alarm system needs. Multiple brands of batteries are now offered under generic part numbers, reducing backorder situations and permitting us to deliver these products in a more timely fashion. NOTIFIER has approved the multiple brands listed below as possible product shipped for a given part number. Please note that any incoming orders for "PS Series" batteries will be converted to the equivalent BAT Series part numbers.



Features

- Provide secondary power for control panels.
- Sealed and maintenance-free.
- Overcharge protected.
- Easy handling with leakproof construction.
- Ruggedly constructed, high-impact case (ABS, polystyrene, or polypropylene, depending on models).
- Long service life.
- Compact design.

Agency Listings and Approvals

The listings and approvals below apply to BAT Series Batteries. In some cases, certain modules may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

- **UL Recognized Components:** files MH19884 (*B & B Battery*), MH20567 (*UPG, previously Jolt*), MH20845 (*Power-Sonic*).

Part Number Reference

CURRENT Part Number	BATTERY DESCRIPTION	ALTERNATES APPROVED: manufacturers and P/Ns shipped under BAT P/Ns
BAT-1250	12 V, 5 AH, sealed.	BP5-12 (B&B Battery); PS-1250 (Power-Sonic); SA1250 (Jolt) to be replaced with UB1250 (UPG).
BAT-1250	12 V, 5 AH, sealed.	BP5-12 (B&B Battery); PS-1250 (Power-Sonic); SA1250 (Jolt) to be replaced with UB1250 (UPG).
→ BAT-1270	12 V, 7 AH, sealed.	BP7-12 (B&B Battery); PS-1270 (Power-Sonic); SA1272 (Jolt) to be replaced with UB1270 (UPG).
BAT-12120	12 V, 12 AH, sealed.	BP12-12 (B&B Battery); PS-12120 (Power-Sonic); SA12120 (Jolt) to be replaced with UB12120 (UPG).
BAT-12180	12 V, 18 AH, sealed.	PS-12180 (Power-Sonic); SA12180 (Jolt) to be replaced with UB12180 (UPG).
BAT-12180	12 V, 18 AH, sealed.	PS-12180 (Power-Sonic); SA12180 (Jolt) to be replaced with UB12180 (UPG).
BAT-12260	12 V, 26 AH, sealed.	BP26-12 (B&B Battery); PS-12260 (Power-Sonic); SA12260 (Jolt) to be replaced with UB12260 (UPG).
BAT-12550	12 V, 55 AH, sealed.	PS-12550 (Power-Sonic); XSA12550 (Jolt) to be replaced with UB12550 (UPG).
BAT-12550	12 V, 55 AH, sealed.	PS-12550 (Power-Sonic); XSA12550 (Jolt) to be replaced with UB12550 (UPG).
BAT-121000	12 V, 100 AH, gell cell.	PS-121000 (Power-Sonic); XSA121000A (Jolt) to be replaced with UB121000 (UPG).



System Current Draw - FCPS-24s8

Total Current	
C1	0.091 A
C2	0.933 A
C3	0.065 A

Select devices using the "Qty" column.

Use yellow cells to enter quantities and current values.

To show only selected devices, select "Show Selected Devices".

To clear selected devices, select "Clear Selections".

	C1 - Non-Alarm Current				C2 - Alarm Current				C3 - Standby Current					
Device	Qty		Draw	Non-Alarm	Qty		Draw	Alarm	Qty		Draw	Standby		
FCPS-24S8 Main Circuit Board	1	x	0.09100	0.09100	1	x	0.14500	0.14500	1	x	0.06500	0.06500		
HSR110	4	x	0.00000	0.00000	4	x	0.19700	0.78800	4	x	0.00000	0.00000		
Total Non-Alarm Load:				0.091	Total Alarm Load:				0.933	Total Standby Load:				0.065



System Power Requirements

FCPS-24s8 Power Supply

Protected Premises:	Allagash Brewery Adds			Date:	11/5/2010
Address:					
City:	Portland	State:	Maine	Zip:	
Prepared By:	Norris Inc.			Phone:	
Address:	2257 West Broadway		Email:		
City:	South Portland	State:	Maine	Zip:	04106

AC Branch Current Requirements

3.20 AMPS @ 120 VAC

Current required by source to power the fire alarm system.

Primary Standby Load

0.09 Amps

Current load on the primary power supply during non-alarm conditions.

Primary Alarm Load

0.93 Amps

Current load on the primary power supply during alarm conditions.

Secondary Load Requirements

2.15 Amp Hours

Total Secondary Load from the calculation table below.

Current Draw		Time (hours)	Total (AH)
Secondary Standby Load 0.065 A	x	Required Standby Time	
		24 hours	1.56
Secondary Alarm Load 0.933 A	x	Required Alarm Time (hours)	
		15 Minutes	
		0.250 hours	0.23
Auxiliary Power Supply Load	x	Required Alarm Time (hours)	
0.000 A		0.250 hours	0.00
Total Secondary Load			1.79
Derating factor			x 1.2
Secondary Load Requirements			2.15

AH

Battery Selection

7 Amp Hours

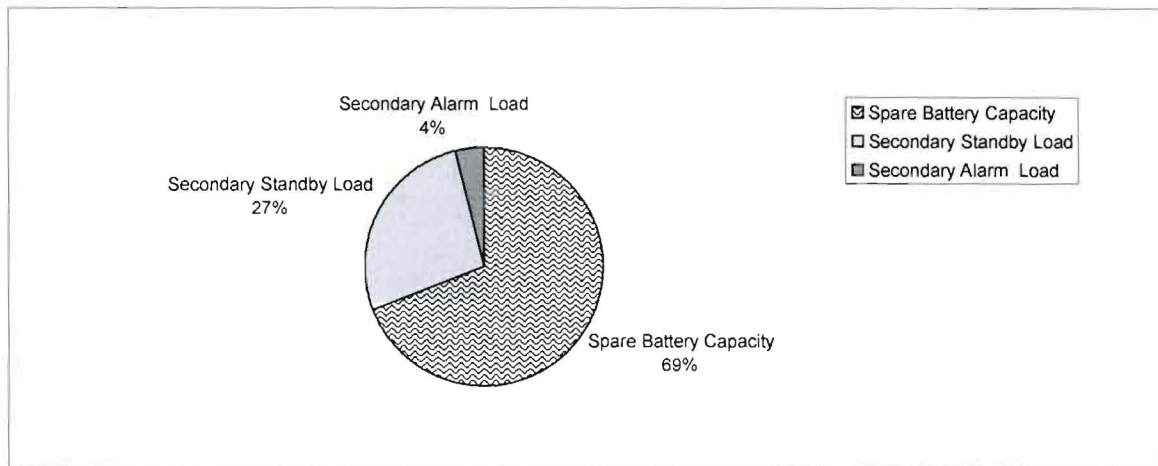
Select batteries from the list below.

7.0 AH BAT-1270 Battery (12 volt)

☒ Two ☐ Four (two 12VDC sets in parallel)

Battery Distribution Chart

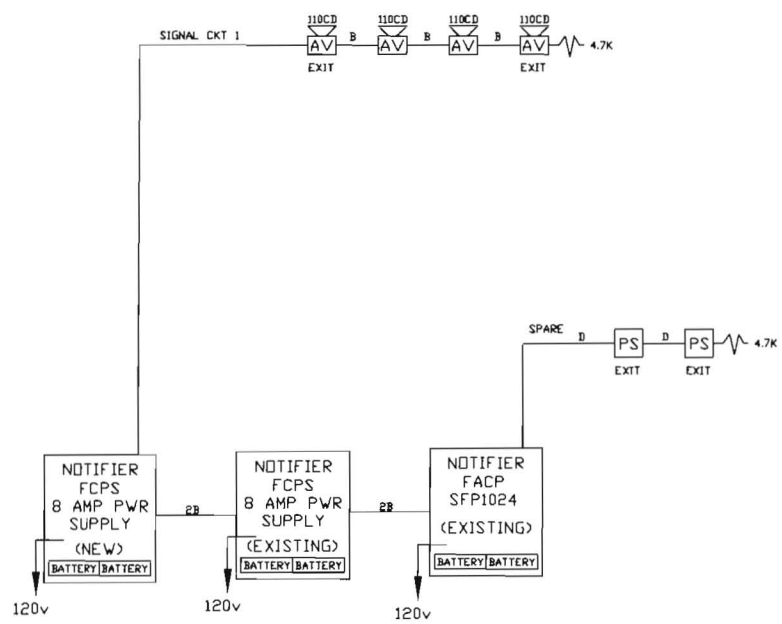
Shows amp-hour distribution of your selections.



Comments

1. Batteries will fit in the FACP cabinet.
2. Selected battery size meets secondary load requirements.
3. The selected batteries (7AH) are within the charger range of this power supply (7-18AH).

Spare Battery Capacity	4.85	Battery Selection (AH) - Secondary Load Requirements (AH)
Secondary Standby Load	1.87	Secondary Standby Load (AH) * Derating Factor
Secondary Alarm Load	0.28	Secondary Alarm Load (AH) * Derating Factor



Do NOT bottom entry any conduit in system panels.

Important! All electronic devices MUST be placed in a heated room with temperature above 32 deg F.

LEGEND

MOUNTING HEIGHT

48 INCHES

- PS PULL STATION
- S SMOKE DETECTOR
- 4S SMOKE DETECTOR 4 Wire device
- R HEAT DETECTOR RATE OF RISE
- F2 HEAT DETECTOR DUAL CONTACTS
- 120v RT REMOTE TEST/INDICATOR
- DS DUCT SMOKE DETECTOR
- VO VISUAL ONLY

80 INCHES

- AV VP AUDIO / VISUAL

80 INCHES

- AV WEATHER PROOF AUDIO / VISUAL
- DSM DUAL SYNC MODULE
- DH DOOR HOLDER 120V AC
- KB KEY BOX W/ TAMPER SWITCH
- SFS STS SPRINKLER SWITCHES FLOW/TAMPER
- EDLR END OF LINE RELAY

This drawing is a typical device layout. Wiring is shown diagrammatically only. Riser does not necessarily indicate all devices and appliances. See floor plans and specification for location and quantities. The purchaser needs to accurately layout the initiating and notification devices in their proper zones/circuit. Note: Each Signal circuit has a 2.75 amp load limitation. All REMOTE power supply have 8.0 amps limitation equally divided 4 in circuits. (see chart below for current vs. candle rating)

Room Size	Candela Rating	Load (amps)
20' x 20'	15 cd	0.08 amps
30' x 30'	30 cd	0.10 amps
40' x 40'	75 cd	0.15 amps
50' x 50'	110 cd	0.20 amps


4.7K END OF LINE RESISTOR (Panel Circuits)

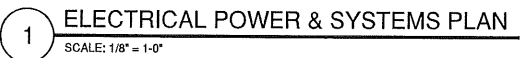
- A 1 PR #14 TWISTED PAIR (under 4800 feet)
- A 1 PR #12 TWISTED PAIR (over 4800 feet)
- B 1 PR #12 AWG FPL CABLE
- D 1 PR #16 AWG FPL CABLE
- E 1 PR #14 AWG TWISTED SHIELDED CABLE
- F 2c #12 AWG CABLE
- G 2c #14 AWG CABLE
- H 2c #16 AWG CABLE
- I 2c #18 AWG CABLE
- S 1 CAT 5 CABLE

REVISION 2	DATE:
REVISION 1	DATE:
REVISION 0 SUBMITTAL	DATE: 11-5-10

SYSTEM WIRING RISER

PROJECT NAME	SCALE: NTS
ALLAGASH BREWING ADD	BY: CJC
MAINE	CK BY:
NORRIS INC.	SAVED AS:
P.O. BOX 2551, SOUTH PORTLAND, MAINE 04116	
2257 W BROADWAY, SD PORTLAND, MAINE 04106	











REVISION 2	DATE:
REVISION 1	DATE:
REVISION 0 SUBMITTAL	DATE: 11/05/11
SYSTEM WIRING RISER	
PROJECT NAME Allagash Brewery	SCALE: NTS
	BY: CJC
	CK BY:
 Prepared For Tomorrow's Connected Today	
2257 W BROADWAY, SO PORTLAND, MAINE 04106	







KEYED NOTES:

- ① ADJUSTABLE DOCK LIGHT.
- ② DOCK LEVELER.
- ③ DAYLIGHTING SENSOR, LOCATE IN FIELD.
- ④ CIRCUIT "a" - 4-LAMP BALLAST
CIRCUIT "b" - 2-LAMP BALLAST
- ⑤ FURNISH HOME RUN BACK TO EXISTING PANEL MDP. FURNISH NEW 200A BREAKER IN PANEL MDP - 65 KAIC, SQUARE D MODEL QGA32200.

POWER SYMBOLS

-  20 AMPERE, 120 VOLT DUPLEX
GFCI RECEPTACLE, +18" AFF
 20 AMPERE, 120 VOLT QUAD
GFCI RECEPTACLE, +18" AFF
 JUNCTION BOX
 MANUAL TOGGLE-TYPE MOTOR STARTER
 PANELBOARD
 FUSED SAFETY SWITCH,
RATING AS NOTED
 3R   XXAF
XXAT
 FRAMESIZE
FUSE/TRIP
NEMA RATING

LIGHTING SYMBOLS

- | | | |
|---|----|--|
|  | X | FLUORESCENT LIGHT FIXTURE |
|  | | EXTERIOR FULL-CUTOFF HID WALL PACK |
|  | F | FIXTURE MOUNTED
ULTRASONIC/INFRARED
OCCUPANCY SENSOR |
|  | DL | DAYLIGHT HARVESTING
PHOTOCELL DEVICE |

FIRE ALARM SYMBOLS

- [F]** PULL STATION
[H] FIRE ALARM AUDIBLE/VISIBLE
NOTIFICATION APPLIANCE
(GENERAL EVACUATION)


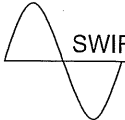
ABBREVIATIONS

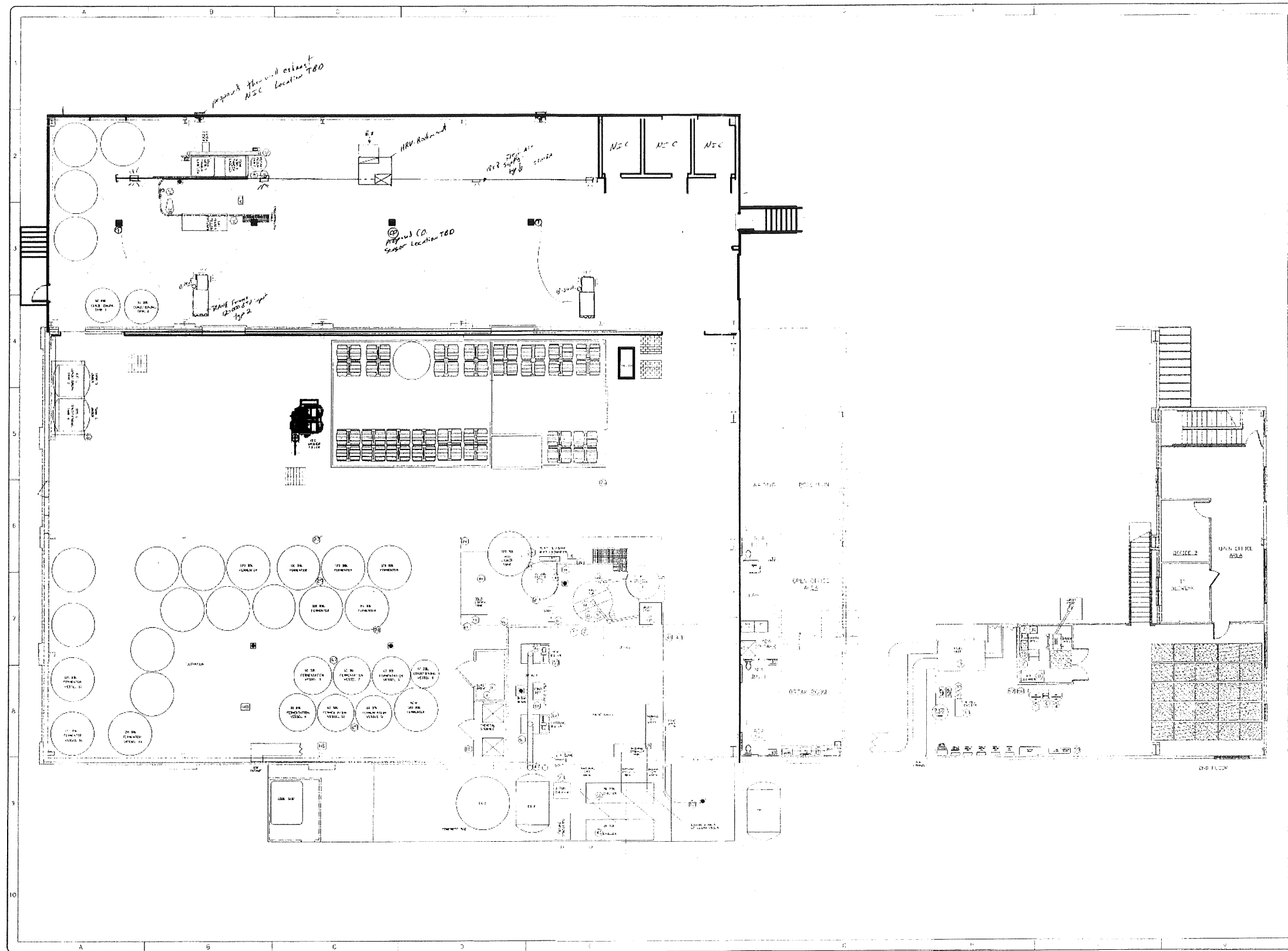
WP WEATHERPROOF

NOTES:

1. ALL WORK SHALL BE IN COMPLIANCE WITH NFPA-70, NATIONAL ELECTRICAL CODE.
2. ALL MOTOR SAFETY SWITCHES, DISCONNECTS AND MOTOR STARTERS ARE FURNISHED BY DIVISION 16000 UNLESS NOTED AS FURNISHED WITH EQUIPMENT (FWE).
3. UNLESS OTHERWISE NOTED, CONVENIENCE RECEPTACLES SHALL BE MOUNTED 24 INCHES AFF AND LIGHTING TOGGLE SWITCHES 48 INCHES AFF.
4. ALL PENETRATIONS THROUGH FLOORS, RATED WALLS AND PARTITIONS SHALL BE SEALED WITH A UL APPROVED FIRE SEALANT MATERIAL TO MAINTAIN THE RATING OF THE SEPARATION.
5. LIGHTING TOGGLE SWITCHES SHALL BE COMMERCIAL SPECIFICATION GRADE, 120 VOLT, SIDE WIRED AS MANUFACTURED BY LEVITON, PASS & SEYMOUR, OR APPROVED EQUAL.
6. CONVENIENCE RECEPTACLES SHALL BE COMMERCIAL SPECIFICATION GRADE UNLESS SHOWN OTHERWISE, GROUNDING TYPE, NEMA 5-20R, SIDE WIRED, AS MANUFACTURED BY LEVITON, PASS & SEYMOUR, OR APPROVED EQUAL.
7. DEVICE COVERPLATES SHALL BE BRUSHED STAINLESS STEEL.
8. UNLESS OTHERWISE NOTED ALL HOMERUNS FOR 15 OR 20A CIRCUITS SHALL BE #12AWG & #12 GND. HOMERUNS FED FROM 20A, 1P CIRCUITS IN EXCESS OF 100 FEET (FOR 120V CIRCUITS) SHALL BE #10AWG. ALL WIRING SHALL BE COPPER.
9. CONDUIT SYSTEMS: EXPOSED INTERIOR CONDUITS SHALL BE PVC, 3/4" MINIMUM. PROPERLY SUPPORTED MC CABLE WHIPS MAY BE USED FOR CONNECTIONS TO LIGHTING AND VENTILATING EQUIPMENT LOCATED INDOORS. LIQUIDTIGHT SHALL BE USED FOR CONNECTION TO ALL EQUIPMENT LOCATED OUTDOORS OR IN WET LOCATIONS.
10. LIGHTING CONTROL IN TENT:
 - FIXTURES SHALL BE SWITCHED ON BY SWITCH, OFF BY SWITCH OR OCCUPANCY SENSOR.
 - DAYLIGHT SENSOR SHALL BE LOCATED IN FIELD, PLACED SUCH THAT WHEN AMBIENT LIGHTING LIGHT LEVEL IN THE SPACE EXCEEDS 80 FC, 2 LAMPS PER FIXTURE ARE SWITCHED OFF. WHEN LIGHTING DROPS BELOW 30 FC IN SPACE LIGHTS TURN BACK ON.
11. COORDINATE ALL FIRE ALARM SYSTEM DEVICES AND WIRING WITH NORRIS, INC. ALL DEVICES SHALL BE COMPLIANT FOR USE WITH THE EXISTING NOTIFIER SPF-1024 FIRE ALARM CONTROL PANEL. PROVIDE ALL EQUIPMENT, WIRING, CONDUIT AND PROGRAMMING FOR A COMPLETE INSTALLATION.

DIRECTORY	KVA LOAD			CKT #	BKR AMPS	PHASE	BKR AMPS	CKT #	KVA LOAD			DIRECTORY	
	A	B	C						A	B	C		
HRV (NEW)	4.3			1	45	A	20	2	1.3			FURNACE #1	
		4.3		3		B	20	4		1.3		FURNACE #2	
			4.3	5		C	20	6			0.2	DOCK LIGHT	
AREA RECEPTACLES	1.5			7	20	A	20	8	1.2			DOCK LEVELER	
ROOFTOP RECEPTACLE		0.2		9	20	B	20	10		1.1		LIGHTING "o"	
EXTERIOR RECEPTACLES			0.4	11	20	C		12			1.1		
SPARE	*			13	20	A		14	0.8				
SPARE		*		15	20	B	16		0.6			LIGHTING "b"	
AREA RECEPTACLES			1.1	17	20	C	20	18			0.6	EXTERIOR LIGHTS	
SPARE	*			19	20	A	20	20	*			SPARE	
SPARE		*		21	20	B	20	22		*		SPARE	
SPARE			*	23	20	C	20	24			*	SPARE	
SPACE	*			25		A		26	*			SPACE	
SPACE		*		27		B		28		*		SPACE	
SPACE			*	29		C		30			*	SPACE	
SPACE	*			31		A		32	*			SPACE	
SPACE		*		33		B		34		*		SPACE	
SPACE			*	35		C		36			*	SPACE	
SPACE	*			37		A		38	*			SPACE	
SPACE		*		39		B		40		*		SPACE	
SPACE			*	41		C		42			*	SPACE	
SUBTOTAL	5.8	4.5	5.8							3.1	3.0	1.9	SUBTOTAL
VOLTAGE: 208Y/120V	PHASE: 3		POLES: 4			TOTAL KVA A-PHASE			8.9		PANEL	PPX	
MAIN BREAKER: 200A		BUS AMPS: 200A			TOTAL KVA B-PHASE			7.5					
MOUNTING: SURFACE					TOTAL KVA C-PHASE			7.7					
SHORT CIRCUIT RATING: 18KAC					TOTAL KVA			24.1		LOCATION	NEW ADDITION		
NOTES:													

KLM	10/29/10	ISSUED FOR CONSTRUCTION
BY	DATE	STATUS
<p style="text-align: center;">ALLAGASH BREWERY 50 INDUSTRIAL WAY PORTLAND, MAINE</p>		
<p style="text-align: center;">ELECTRICAL POWER & SYSTEMS PLAN</p>		
<p>Approved:</p> 	 <p style="text-align: center;">SWIFTCURRENT Engineering Services</p> <p>273 Main Street Yarmouth, ME 04096 Tel: (207) 847-9280</p>	
	<p>Design By: TDM Drawn By: KLM Date: 10-29-2010 Job #: 10041 Scale: AS NOTED</p>	<p style="font-size: 2em;">E1.0</p>



NOTES	
1	
2	
3	
4	
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6	
7	
8	
9	
10	

REVISION	DATE	BY	ISSUED FOR
1	10/1/00	JAM	POWER

Zajac	
Process & Packaging Solutions	
PHONE (207) 288-9100	FAX (207) 288-2200

DRAWING TITLE	
FLOOR PLAN	
DRAWING DESCRIPTION	
NEW FACILITY	
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DATE	DATE
10/1/00	10/1/00
DESIGNED BY	DATE
JAM	10/1/00
CHECKED BY	DATE
JAM	10/1/00
APPROVED BY	DATE
JAM	10/1/00
DRAWING SCALE	1/8" = 1'
DRAWING NUMBER	2100
PROJECT NUMBER	101-1
PROJECT NAME	POWER
PROJECT LOCATION	A
DRAWING NUMBER	
2100 101-1A	