

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



# CITY OF PORTLAND BUILDING PERMIT

This is to certify that  
SIMPLEXGRINNELL  
20 THOMAS DR  
WESTBROOK, ME 04092

For installation at  
144 FORE ST  
JACKRABBIT LLC

Job ID: 2012-03-3445-FAFS

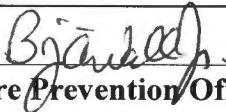
CBL: 019- A-008-001

has permission to extend fire alarm system from VA space

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

(58)

Code Enforcement Officer / Plan Reviewer

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



# PORTLAND MAINE

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Director of Planning and Urban Development  
Penny St. Louis

Job ID: 2012-03-3445-FAFS  
extend fire alarm system from VA space

For installation at:  
144 FORE ST  
JACKRABBIT LLC

CBL: 019- A-008-001

## Conditions of Approval:

### **Fire**

The installation shall comply with the following:

- City of Portland Chapter 10, Fire Prevention and Protection;
- NFPA 1, *Fire Code* (2009 edition), as amended by City Code;
- NFPA 101, *Life Safety Code* (2009 edition), as amended by City Code;
- City of Portland Fire Department Rules and Regulations;
- NFPA 72, *National Fire Alarm and Signaling Code* (2010 edition), as amended by Fire Department Rules and Regulations;
- NFPA 720, *Standard for the Installation of Carbon Monoxide (CO) Detection and Warning Equipment* (2009 edition), as amended by Fire Department Rules and Regulations; and
- NFPA 70, *National Electrical Code* (2011 edition) as amended by the State of Maine.

Only one fire alarm system shall be installed in the building.

The fire alarm system shall be certified by a master fire alarm company and have a new fire alarm inspection sticker.

In field installation shall be installed per code as conditions dictate.

Manual Pull Stations are required per NFPA 101:30.3.4.2.1 at all exit doorways and within 200 feet of travel.

All smoke detectors and smoke alarms shall be photoelectric.

Visible signals are required per NFPA 101:9.6.3.5 in accordance with with NFPA 72:18.5.4.4.

Records cabinet, FACP, annunciator(s), and pull stations shall be keyed alike.

Central Station monitoring for addressable fire alarm systems shall be by point.

All fire alarm records required by NFPA 72 should be stored in an approved cabinet located at the FACP labeled "FIRE ALARM RECORDS".

Installation of a Fire Alarm system requires a Knox Box to be installed per city ordinance.

System acceptance and commissioning must be coordinated with alarm and suppression system contractors and the Fire Department. Call 874-8703 to schedule.

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.

A master box connection is not authorized for this building.

**City of Portland, Maine - Building or Use Permit Application**

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

Job No: 2012-03-3445-FAFS	Date Applied: 3/6/2012	CBL: 019- A-008-001	
Location of Construction: 144 FORE ST	Owner Name: JACKRABBIT LLC	Owner Address: 44 OAK ST PORTLAND, ME 04101	Phone:
Business Name:	Contractor Name: Mancini Electric	Contractor Address: 179 Sheridan St., Portland, ME 04101	Phone: 774-5829
Lessee/Buyer's Name:	Phone:	Permit Type: FIRE ALARM	Zone: B-6
Past Use: Offices and Warehousing and light manufacturing	Proposed Use: Same: Offices and warehousing and light manufacturing – to install fire alarm	Cost of Work: \$8,000.00	CEO District:
		Fire Dept: 5/23/12 <input checked="" type="checkbox"/> Approved w/ conditions <input type="checkbox"/> Denied <input type="checkbox"/> N/A	Inspection: Use Group: Type:
		Signature: <i>Bjornell</i> (58)	Signature:
Proposed Project Description: fire alarm		Pedestrian Activities District (P.A.D.)	
Permit Taken By: Gayle		<b>Zoning Approval</b>	

<p>1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.</p> <p>2. Building Permits do not include plumbing, septic or electrical work.</p> <p>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.</p>	<p><b>Special Zone or Reviews</b></p> <p><input type="checkbox"/> Shoreland</p> <p><input type="checkbox"/> Wetlands</p> <p><input type="checkbox"/> Flood Zone</p> <p><input type="checkbox"/> Subdivision</p> <p><input type="checkbox"/> Site Plan</p> <p>___ Maj ___ Min ___ MM</p> <p>Date: <i>3/6/12</i></p>	<p><b>Zoning Appeal</b></p> <p><input type="checkbox"/> Variance</p> <p><input type="checkbox"/> Miscellaneous</p> <p><input type="checkbox"/> Conditional Use</p> <p><input type="checkbox"/> Interpretation</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Denied</p> <p>Date:</p>	<p><b>Historic Preservation</b></p> <p><input checked="" type="checkbox"/> Not in Dist or Landmark</p> <p><input type="checkbox"/> Does not Require Review</p> <p><input type="checkbox"/> Requires Review</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Approved w/Conditions</p> <p><input type="checkbox"/> Denied</p> <p>Date: <i>[Signature]</i></p>
	<b>CERTIFICATION</b>		

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

2012 03 3445



# 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.

B-6

Installation address: 144 Fore ST. CBL: 019 A008

Exact location: (within structure) SPACE Next to existing UA SPACE.

Type of occupancy(s) (NFPA & ICC): Warehouse & Office Space

Building owner: JACK RABBIT LLC

System Designer (point of contact): Ken Plourde  
Must be

Designer phone: 207-749-6726 E-mail: KPlourde@simplexgrinnell.com

Installing contractor: Mancini Elect. Certificate of Fitness No: \_\_\_\_\_

Contractor phone: 207-774-5829 E-mail: agmes@mancinielectr.c.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:

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

COST OF WORK: 7,800.00

PERMIT FEE: \$100.00  
(\$10 PER \$1,000 + \$30 FOR THE FIRST \$1,000)

RECEIVED  
MAR 06 2012  
Dept. of Building Inspections

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

The designer shall be the responsible party for this application. Download a new copy of this application at [www.portlandmaine.gov/fire](http://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](http://www.portlandmaine.gov/fire).

Applicant signature: Ken Plourde Date: 03/05/12

## SimplexGrinnell Material List (THIS IS NOT A PRICE QUOTATION)

TO:  
Mancini Electric  
179 Sheridan St  
PORTLAND, ME 04101-0000

Project: 144 Fore Street Adds to 4010  
Customer Reference:  
SimplexGrinnell Reference: 962867601  
Date: 03/01/2012  
Page 1 of 2

QUANTITY	MODEL NUMBER	DESCRIPTION
144 Fore Street Adds to 4010		
1	4009-9201	NAC EXTENDER 120VAC, IDNET
2	2081-9274	BATTERY 10AH
1	4098-9792	SENSOR BASE
9	4099-9003	MANUAL STATION - DOUBLE ACTION
5	2975-9178	BACKBOX MANUAL STATION
4	4098-9756	DUCT SENSOR HOUSING-4-WIRE
4	2098-9797	SAMPLING TUBE 49"
4	2098-9806	REMOTE TEST STATION
NOTIFICATION DEVICES		
8	HSR	HORN STROBE WALL RED 2-WIRE
5	STR	STROBE RED 2-WIRE WALL 12/

### Comments

This quote includes Programming and Testing.  
This quote does not include any wiring or installation of devices.

NOTE: All devices in the VA area must be re-labeled as such and then re-tested.

All Initiating Devices in the SMRT Office are to be replaced and new Twisted Shielded Cable is to be run for these devices.  
All wiring is to be done by others.

This quote is based on re-using the existing Signals in the SMRT Office.  
The wiring to these devices will also be re-used.

The new Power Extender is to be installed at the location of the SMRT FACP.  
A Smoke Detector is to be installed over the Power Extender per NFPA 72.

All wiring must be free of any grounds, shorts or opens, prior to the scheduling of a Technician.

NOTE: This quote is subject to the approval of the Portland Fire Department.  
The requirement of any additional devices will be at an additional cost.

NOTE: The customer is responsible for supplying 6 Pull Stations, 2 Back Boxes 1 Relay IAM and 1 Smoke

**SimplexGrinnell Material List (THIS IS NOT A PRICE QUOTATION)**

Comments (continued)

Detector to complete the job.

This quote is valid for 30 days.

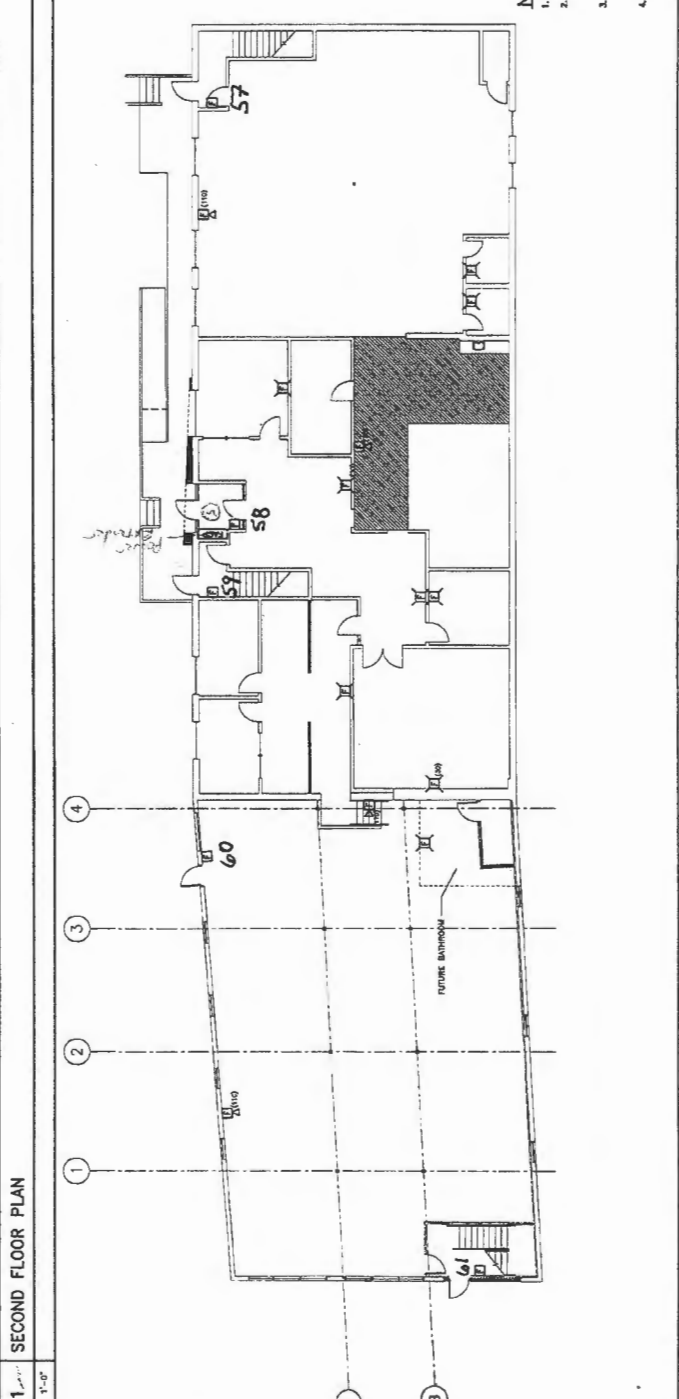
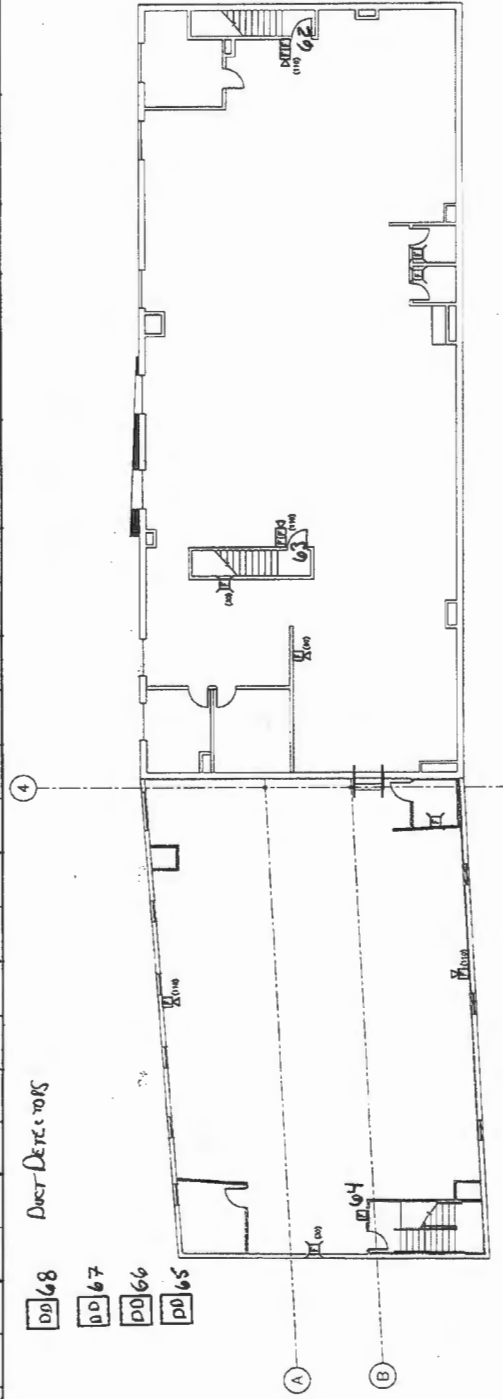


PROJECT NO.	99048
DATE	7-30-99
REV.	0
ISSUE FOR CONSTRUCTION	7-30-99
DATE	7-30-99

PROJECT MANAGER	ESS
DATE	7-30-99
DATE	7-30-99
DATE	7-30-99
DATE	7-30-99

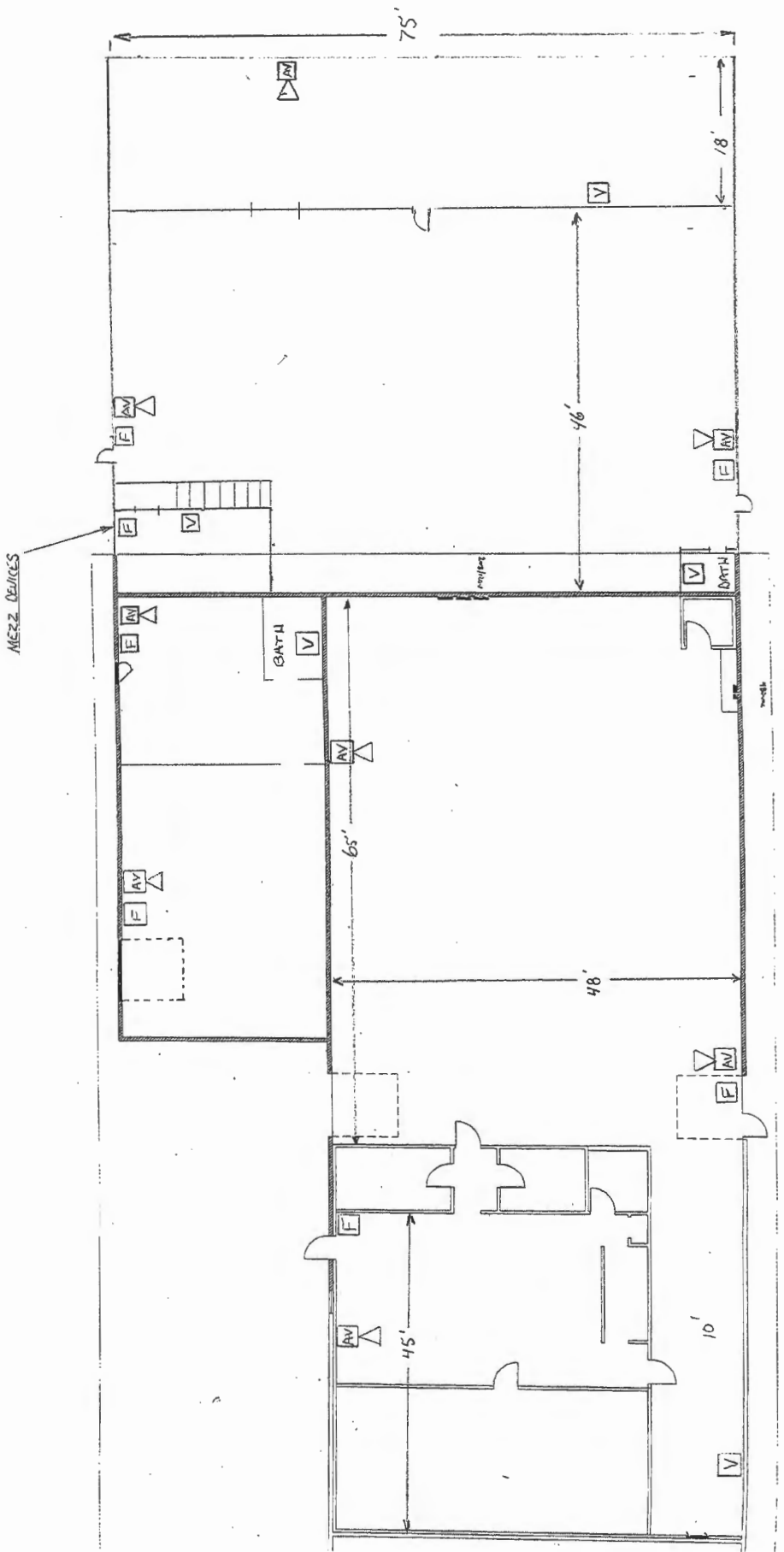
PROJECT MANAGER	ESS
DATE	7-30-99
DATE	7-30-99
DATE	7-30-99
DATE	7-30-99

ISSUED FOR CONSTRUCTION  
 7-30-99



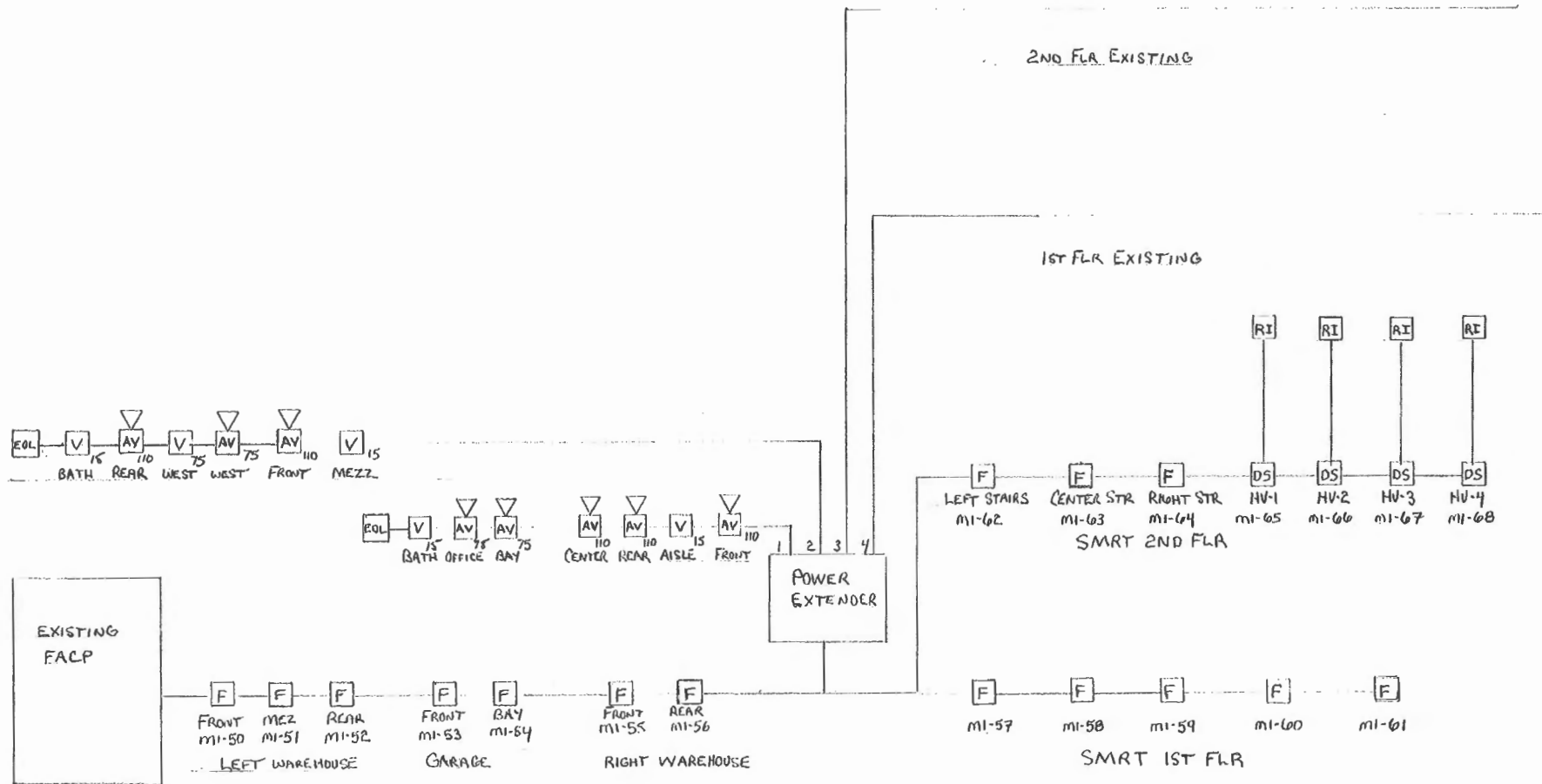
**NOTES:**

- SEE SHEET E-001 FOR LEGEND AND GENERAL NOTES.
- PROVIDE A TRIM ZONE FIRE ALARM CONTROL PANEL (EXPANDABLE TO DOOR ZONE). ALL DEVICES, WIRING AND CONDUIT FOR A COMPLETE TRIM ZONE FIRE ALARM SYSTEM.
- MANUAL PULL STATIONS TO BE MOUNTED 48" HT TO CENTER OF GRAVITY AND 18" FROM WALL. MOUNTED 80" HT ON 8" BELOW CEILING WHICHEVER IS LOWER.
- SYSTEM TO BE BROKEN DOWN INTO THE FOLLOWING ZONES:  
 1. SPRINKLER FLOOR 2. FIRST FLOOR FALL STAIRS  
 3. SECOND FLOOR FALL STAIRS



3/4"





Module	Qty	Description	Standby Current	Total Standby	Alarm Current	Total Alarm	
<b>Panel Equipment</b>							
4009-9201	1	4009 IDNET NAC EXTENDER, 120 VAC	0.085	0.085	0.185	0.185	
<b>Multi-Candela Strobes</b>					<b>ALERT STROBES OFF</b>		
RSS		Wheelock Strobe (Existing)	15cd	0.000	0.000	0.884	
STR		Wheelock Strobe (New)	30cd	0.000	0.000	0.324	
ASWP-2475W-FR		Wheelock A/V (Existing)	75cd	0.000	0.000	2.047	
HSR		Wheelock A/V (New)	110cd	0.000	0.000	1.273	
			75cd	0.000	0.000	0.000	
				<b>Total Standby Amps</b>	<b>0.085</b>	<b>Total Alarm Amps</b>	<b>4.713</b>

Battery Calculations		Standby Current	Alarm Current
Control Panel Card Power		0.085	0.185
Power For External Peripheral Devices		0.000	4.528
		0.085	<-- Totals --> 4.713
Additional Battery Capacity Required	0%	0.000	0.000
Standby Time =	24 Hrs	2.040	Standby Ah
Alarm Time =	5 Mins.	0.393	Alarm Ah ←
	Standby + Alarm =	2.433	
<b>Minimum Battery Required per NFPA 72 2010</b>	<b>2081-9272 6.2AH</b>	<b>2.919</b>	<b>20% Safety Margin Included</b>

APPLIANCE / QUANTITIES / CURRENT DRAW @ 110 VOLTS

NAC SCHEDULE / VOLTAGE DROP CALCULATION		APPLIANCE / QUANTITIES / CURRENT DRAW @ 110 VOLTS														VOLTAGE DROP TOTALS									
12.5 % MAXIMUM VOLTAGE DROP FROM NOMINAL OPERATING VOLTAGE		A/O	V/O	V/O	S/V	S/V	S/V	S/V	SSYNC	A/O	A/V	XXX-XXXX	WP V/O	SOUNDER	STR	STR	HSR	HSR	TOTAL	WIRE	ESTIMATED	ACTUAL	ACTUAL	TOTAL	MAXIMUM
CIRCUIT OUTPUT VOLTAGE = 110 (FOR CALCULATIONS)		CHW	CHME	CHME	CHME	CHME	CHME	CHME	ADAPTER	HORN	ASWP-2475W-FR	15c-d	75c-d	BASE	Stroke 15c-d	Stroke 75c-d	AV 75	AV 110	CKT LOAD	GAUGE	CIRCUIT	VOLTAGE	VOLTAGE	CIRCUIT	ALLOWABLE
CIRCUIT	DESCRIPTION	TYPE	0.092	0.177	0.226	0.066	0.177	0.226	0.122	0.012	0.022	0.148	0.000	0.123	0.020	0.000	0.000	0.000	(AMPS)	[18, 16, 14, 12]	LENGTH	DROP %	DROP (VOLTS)	RESISTANCE	CKT LENGTH
NACX 1	EAST WAREHOUSE AND GARAGE AREA	Circuit 1													2	2	2	3	0.835	14	400 ft	7.85%	1.565	2.3 Ohms	637 ft
NACX 2	WEST WAREHOUSE	Circuit 2													2	2	1	2	0.670	14	500 ft	7.88%	1.891	2.8 Ohms	793 ft
NACX 3	SMRT 1ST FLOOR	Circuit 3													7	2	1	3	1.406	14	300 ft	9.92%	2.381	1.7 Ohms	375 ft
NACX 4	SMRT 2ND FLOOR	Circuit 4													3	2	1	2	1.525	14	300 ft	10.70%	2.562	1.7 Ohms	249 ft
NACX 5		NA																	0.000	14	ft	0.00%	0.000	0.0 Ohms	0 ft
NACX 6		NA																	0.000	14	ft	0.00%	0.000	0.0 Ohms	0 ft
NACX 7		NA																	0.000	14	ft	0.00%	0.000	0.0 Ohms	0 ft
NACX 8		NA																	0.000	14	ft	0.00%	0.000	0.0 Ohms	0 ft
Appliance Summary																			Total Load (AMPS)						
																			4.436						

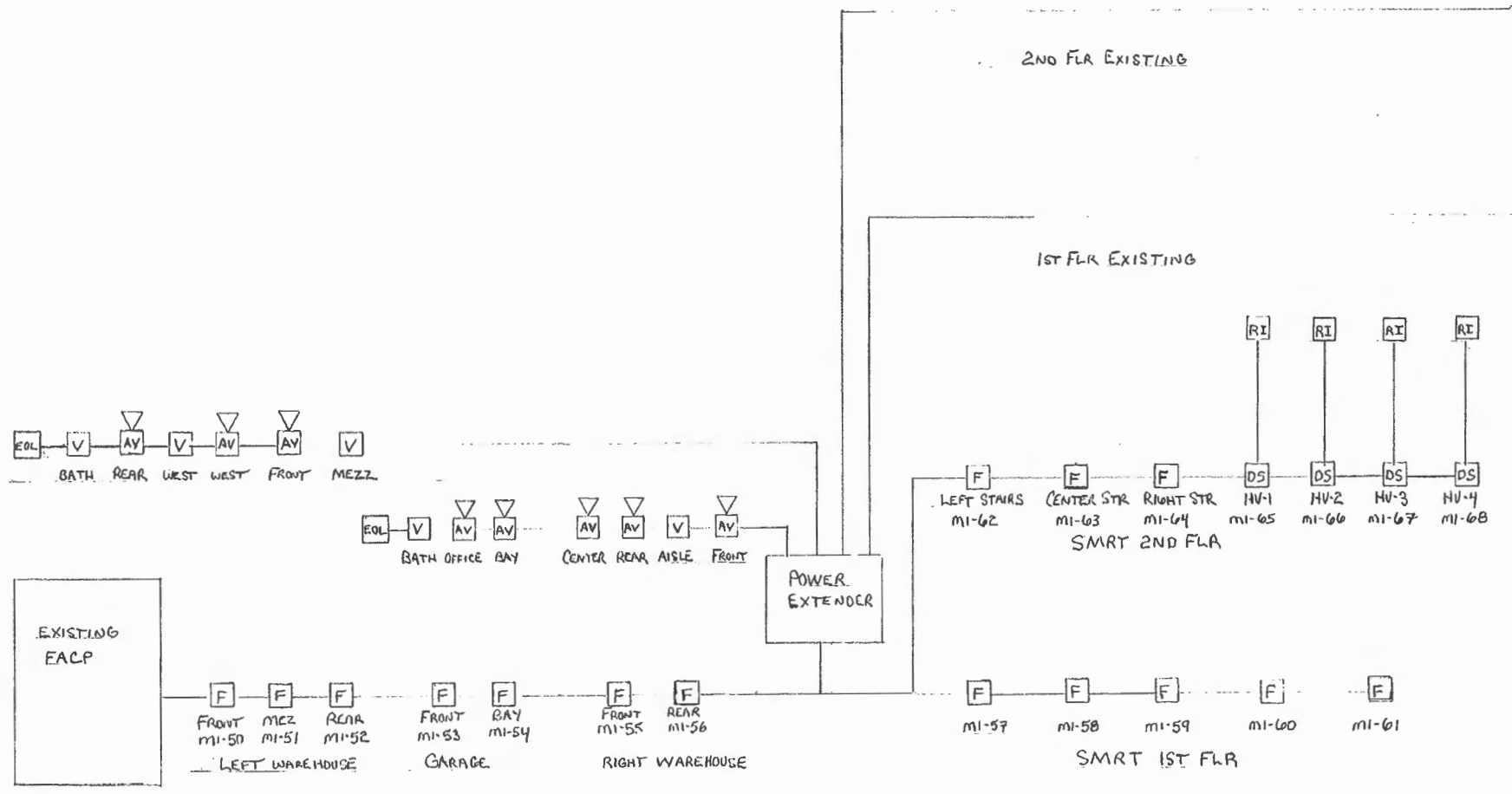
METHOD USED TO CALCULATE VOLTAGE DROP:  
 [(CIRCUIT LENGTH IN FEET X Z) (AMPS) (OHMS / FT)]

Wire Resistance At  
 60 Degrees Celsius  
 122 Degrees Fahrenheit  
 Ohms / ft  
 10GA = 0.001112  
 12GA = 0.001774  
 14GA = 0.002822  
 16GA = 0.004495  
 18GA = 0.007143

\* AS RECOMMENDED BY THE NFPA 72 HANDBOOK, VOLTAGE DROPS ARE CALCULATED USING A BATTERY VOLTAGE OF 20.4 VOLTS AND/OR LOW AC INPUT VOLTAGE AS DEFINED BY UL984. THIS TOOL ALSO FACTORS IN INTERNAL LOSSES INCURRED WITHIN THE CONTROL PANEL HARNESSING AND CIRCUITRY RESULTING IN A MINIMUM STARTING VOLTAGE OF 19 VOLTS AT THE CIRCUITS TERMINALS FOR THESE CALCULATIONS.

WIRE RESISTANCE BASED ON TABLE 8 FROM NATIONAL ELECTRICAL CODE (UNCOATED SOLID COPPER WIRE)

NOTE:  
 LUMP SUM METHOD WAS USED TO CALCULATE ALLOWABLE VOLTAGE DROP. THIS METHOD ALLOWS FOR A SMALL MARGIN OF SAFETY. TAKING INTO CONSIDERATION THE ACTUAL INSTALLED CIRCUIT ROUTING MAY DIFFER FROM WHAT IS SHOWN ON THE SHOP DRAWINGS. IF THE ACTUAL CIRCUIT LENGTH IS GOING TO EXCEED THE MAXIMUM ALLOWABLE CIRCUIT LENGTH, CONTACT YOUR LOCAL BEMPLEXGRANNEL DISTRICT OFFICE.





# PORTLAND MAINE

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Receipts Details:

**Tender Information:** Check , BusinessName: Visa, Check Number: 70664

**Tender Amount:** 100.00

Receipt Header:

**Cashier Id:** gguertin

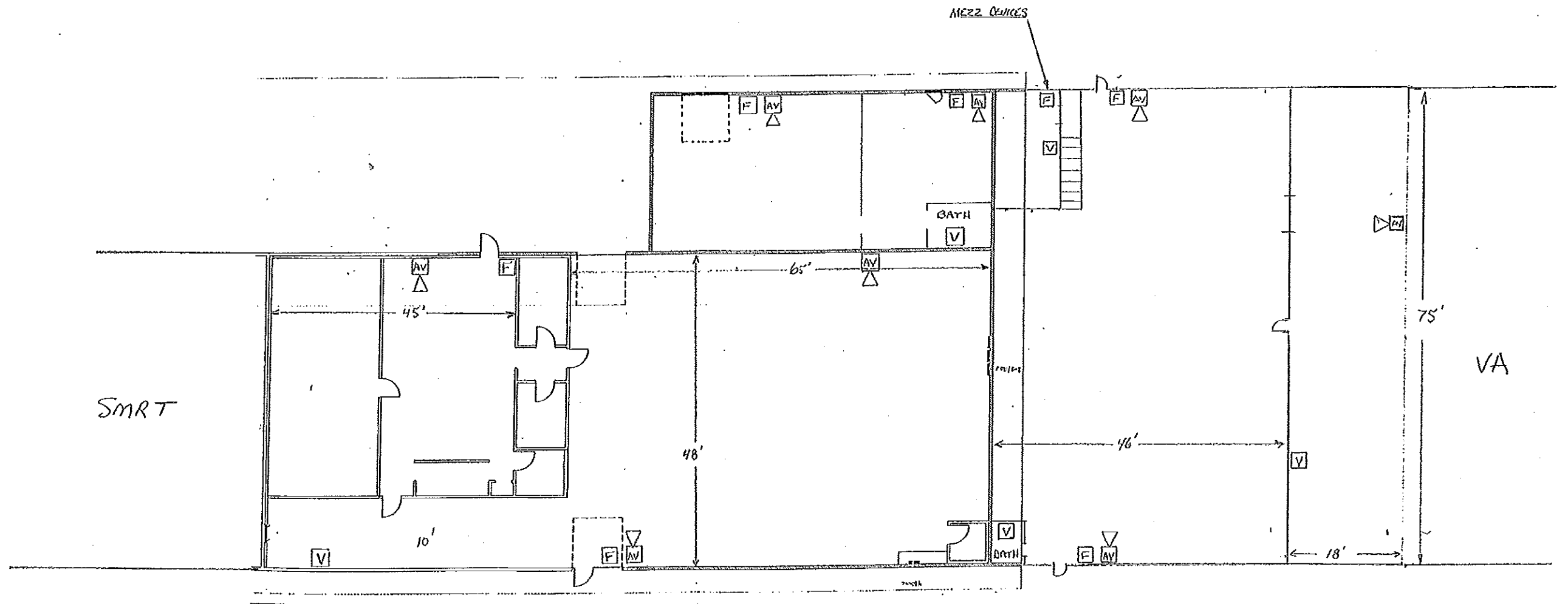
**Receipt Date:** 3/6/2012

**Receipt Number:** 41465

Receipt Details:

Referance ID:	5472	Fee Type:	BP-Constr
Receipt Number:	0	Payment Date:	
Transaction Amount:	100.00	Charge Amount:	100.00
Job ID: Job ID: 2012-03-3445-FAFS - fire alarm			
Additional Comments: 144 fore St			

Thank You for your Payment!



144 FORE ST  
 WAREHOUSE AREAS