

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



CITY OF PORTLAND BUILDING PERMIT

This is to certify that PROTECTION ONE
of 10 Manuel Dr, Portland, ME 04103

For installation at 1685 CONGRESS ST
Stroudwater Congress

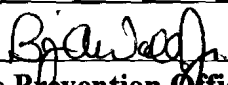
Job ID: 2011-08-1919-FAFS

CBL: 219 - - A - 013 - 001 - - - -

has permission to fit up 2nd floor fire alarm
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

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





CITY OF PORTLAND, MAINE

Department of Building Inspections

Original Receipt

August 8 2011

Received from Jean I. Lewis

Location of Work 2445 Congress St

Cost of Construction \$ 200

Building Fee: _____

Permit Fee \$ _____

Site Fee: _____

Certificate of Occupancy Fee: _____

Total: _____

Building (I1)

Plumbing (I5) _____

Electrical (I2)

Site Plan (U2) _____

Other _____

55.00

70.00

40.00

CBL: _____

Check #: MasterCard

Total Collected \$ 165.00

No work is to be started until permit issued.

Please keep original receipt for your records.

Taken by: Keyle

WHITE - Applicant's Copy

YELLOW - Office Copy

PINK - Permit Copy

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.**

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

Strengthening a Remarkable City, Building a Community for Life • www.portlandmaine.gov

Director of Planning and Urban Development
Penny St. Louis

Job ID: 2011-08-1919-FAFS
Fit up 2nd floor fire alarm

For installation at:
1685 CONGRESS ST
Stroudwater Crossing

CBL: 219 - - A - 013 - 001 - - - -

Conditions of Approval:

Fire

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.

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

Placement of horn/strobes shall be per NFPA 72-2011 edition.

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.

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

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.

Do not assign a central station alarm number to the system.

will send plans by email. Done 8/6

219 A013
#011081919



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.

HISTORIC

Installation address: 1685 Congress St ^{Elec. already} CBL: _____

Exact location: (within structure) in side of front doors on left R-F

Type of occupancy(s) (NFPA & ICC): Business

Building owner: 1685 Congress LLC

System Designer (point of contact): Kevin Inman ^{Must be}

Designer phone: 207-332-1204 E-mail: kevininman@protection1.com

Installing contractor: Protection One Certificate of Fitness No: 1003

Contractor phone: 207-408-4849 E-mail: jasongervais@protection1.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
- Scope of Work
- Wiring diagram
- 11 1/2 x 17s
- Annunciator details
- pdf copy (may be e-mailed)
- Input/ Output Matrix
- Designer qualifications
- Equipment data sheets
- Battery/ voltage drop calcs
- Electrical Permit Pulled (check alarm/com)

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

COST OF WORK: 5000-

PERMIT FEE: 70.00
(\$10 PER \$1,000 + \$30 FOR THE FIRST \$1,000)

RECEIVED

AUG - 8 2011

Dept. of Building Inspections
City of Portland Maine

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: 8-4-11

Scope of Work for Second Floor Fire Alarm installation

1685 Congress LLC
1685 Congress St.
Portland, Me

This is an addition to the system we brought up to code last year when the second floor was not occupied.

At that time you had said to do nothing on the second floor until a tenant moves in.

They now have a tenant.

Attached is the permit and the fire alarm system addition for the 2nd floor only.

We will be putting a NAC extender for these devices.

The SLC devices – Pull Stations-2, and Smoke Detector are already on the existing panel and fully addressable.

Kevin Inman
Protection One
10 Manuel Dr.
Portland, Me
207-332-1204

Protection One10 Manuel Dr
Portland, me, 04103
2073321204 Phone
Fax

Project Name: 1685 Congress

Project Number:

Designer: Kevin Inman

Date: 8-4-11

Circuit Summary

Circuit Number	Circuit Name	Supply Voltage (VDC)	Alarm Current	Wire Type	Ohms / 1000 ft.	Length (Feet)	Total Resistance (Ohms)	Voltage Last Device
5	2nd floor north	20.4	1.365	#14AWG Solid	3.19	200	1.28	18.66
6	2nd floor south	20.4	0.939	#14AWG Solid	3.19	200	1.28	19.20
7	2nd floor east	20.4	1.290	#14AWG Solid	3.19	200	1.28	18.75
8	2nd floor west	20.4	0.990	#14AWG Solid	3.19	200	1.28	19.14

Notes:

1.) Wire resistance is taken from Chapter 9 Table 8 of the National Electric Code (NFPA70). Resistance shown is calculated at 75 degrees Centigrade (167 degrees Fahrenheit)

2.) Formula used for calculation:

Total Resistance = (Length x 2) / 1000 x Ohms Per 1000 Ft.

Voltage Last Device = Supply Voltage - (Alarm Current x Total Resistance)

3.) Calculations are based on average current draw of devices using a regulated power supply only.

GCS Series 24 Volt Ceiling Mount Selectable Strobe

Model Number	Part Number	Nominal Voltage	Candela
GCS24CR	904-1213-002	24VDC	15, 30, 75, 95, 115, 150
GCS24CW	904-1215-002	24VDC	15, 30, 75, 95, 115, 150
GCS24PCR	904-1214-002	24VDC	15, 30, 75, 95, 115, 150
GCS24PCW	904-1216-002	24VDC	15, 30, 75, 95, 115, 150

GCC Series 24 Volt Ceiling Mount Selectable Horn/Strobe

Model Number	Part Number	Nominal Voltage	Candela	Reverberant dBA @ 10ft. Per UL 464	In Anechoic Room dBA @ 10ft.
GCC24CR	904-1209-002	24VDC	15, 30, 75, 95, 115, 150	81-86	90
GCC24PCR	904-1210-002	24VDC	15, 30, 75, 95, 115, 150	81-86	90
GCC24CW	904-1211-002	24VDC	15, 30, 75, 95, 115, 150	81-86	90
GCC24PCW	904-1212-002	24VDC	15, 30, 75, 95, 115, 150	81-86	90

Notes:

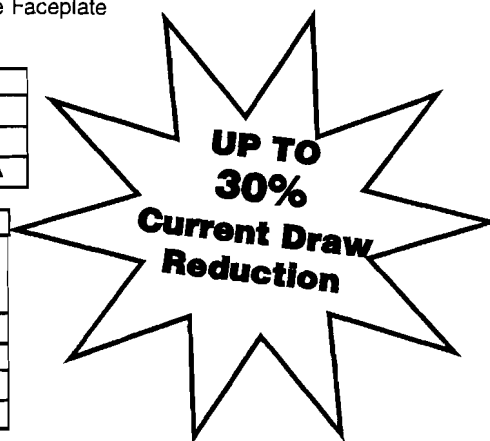
- The GC Series is not listed for outdoor use.
- Operating temperature: 32° to 120°F (0° to 49° C)
- For nominal and peak current across UL regulated voltage range for filtered DC power and unfiltered (FWR [Full Wave Rectified]) power, see installation manual.
- **Gentex does not recommend using a coded or pulsing signaling circuit with any of our strobe products (see technical bulletin number 014 for more information).**

Model designations:

"P" = Plain (no lettering) "C" = Ceiling Mount, "R" = Red Faceplate "W" = Off-White Faceplate

GC Series Product Strobe Current Ratings						
Candela	15cd	30cd	75cd	95cd	115cd	150cd
24VDC	72mA	101mA	167mA	200mA	214mA	286mA
UL Max ¹	120mA	120mA	200mA	220mA	290mA	321mA

GC Series Product Horn Current Ratings			
Horn Mode	Minimum dBA @ 10ft. per UL 464 (HIGH)	Minimum dBA @ 10ft. per UL 464 (LOW)	Regulated 24VDC Max. Operating @ High Setting (mA)
Temp 3 2400Hz	83	75	23
Temp 3 Mechanical	81	73*	22
Continuous 2400Hz	86	78	23
Continuous Mechanical	84	76	22



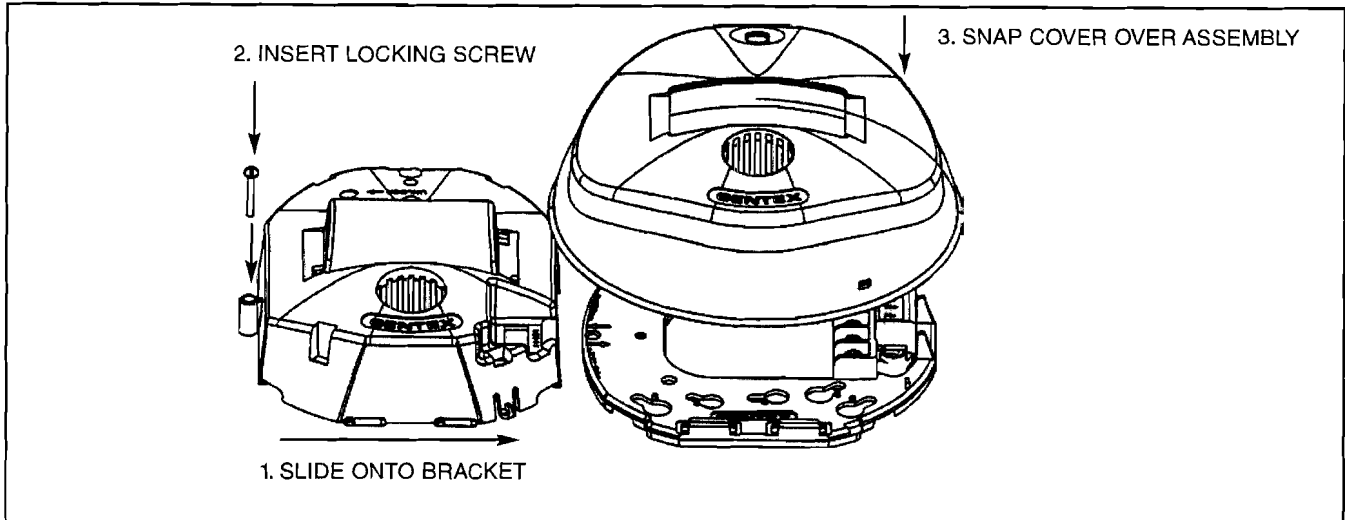
*Operating the horn in this mode at this voltage will result in not meeting the minimum UL reverberant sound level required for public mode fire protection service. These settings are acceptable only for private mode fire alarm use. Use the high dBA setting for public mode application.

Notes: The sound output for the temporal 3 tone is rated lower since the time the horn is off is averaged into the sound output rating. While the horn is producing a tone in the temporal 3 mode its sound pressure is the same as the continuous mode.

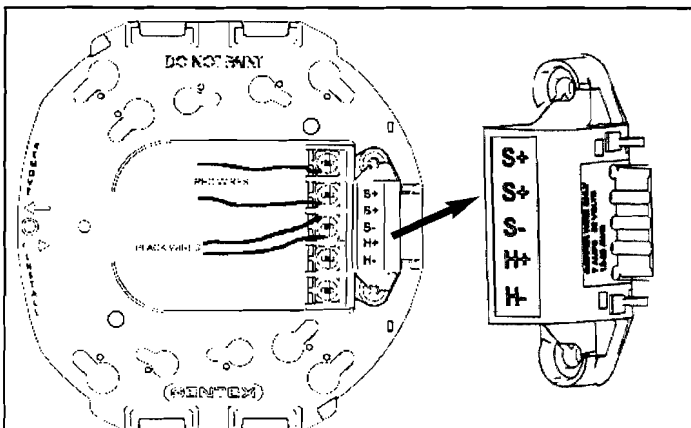
To obtain the horn/strobe current draw, add the strobe current draw and the horn current draw.

¹ RMS current ratings are per UL average RMS method. UL max current rating is the maximum RMS current within the listed voltage range (16-33VDC for 24VDC units). For strobes the UL max current is usually at the minimum listed voltage (16VDC for 24VDC units). For audibles the max current is usually at the maximum listed voltage. For unfiltered FWR ratings, see installation manual.

Mounting Super-Slide®

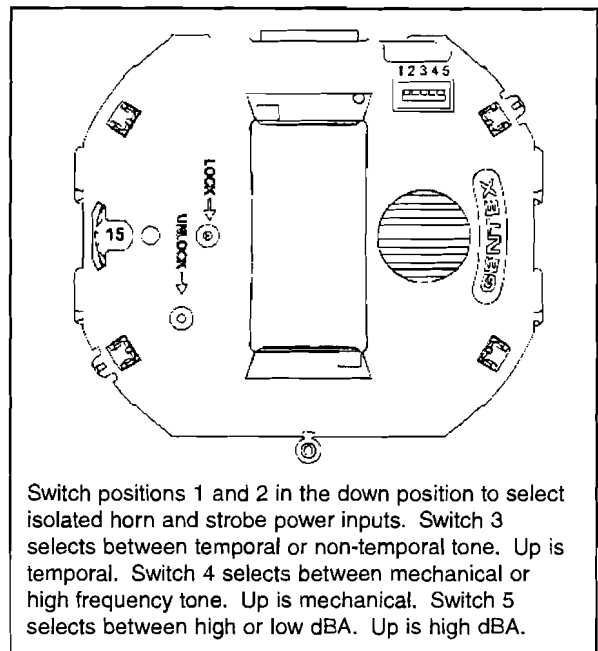


Checkmate® Instant Voltage Verification (Patented)



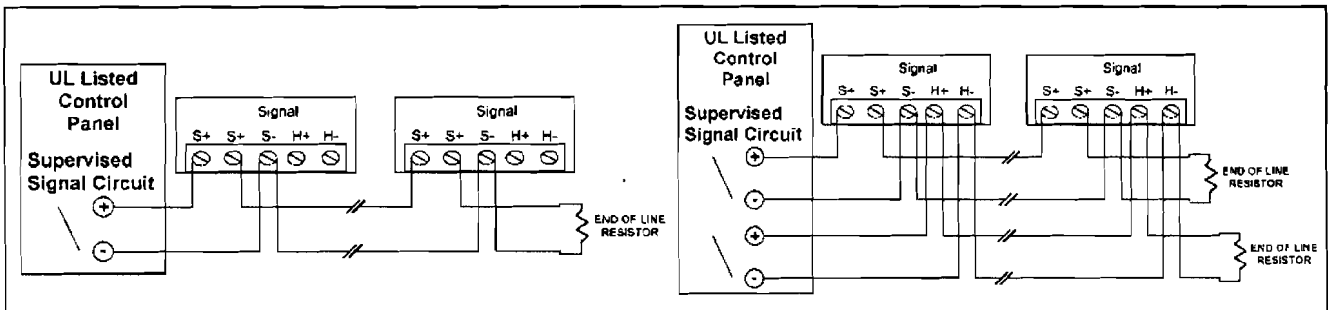
The access holes are provided in the back of the terminal block to allow the voltage to be measured directly without removing the device. Typically this would be done at the end of the line to confirm design criteria. Most measurements will be taken using the S+ and S- locations although access is provided to other locations. **NOTE: Care should be taken to not short the test probes.**

Switch Locations

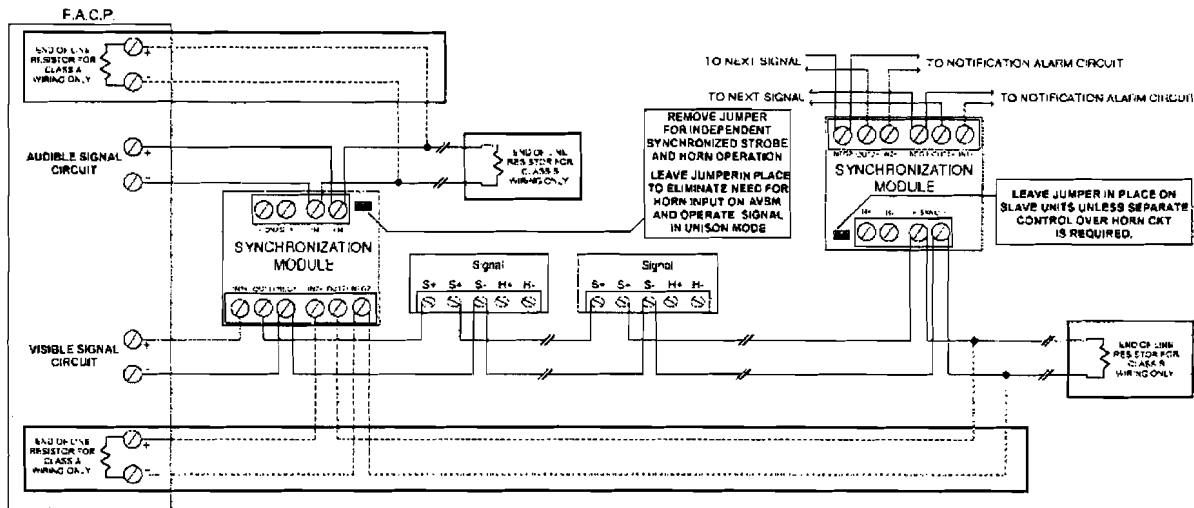


Switch positions 1 and 2 in the down position to select isolated horn and strobe power inputs. Switch 3 selects between temporal or non-temporal tone. Up is temporal. Switch 4 selects between mechanical or high frequency tone. Up is mechanical. Switch 5 selects between high or low dBA. Up is high dBA.

Conventional GC Series Wiring Diagrams



Wiring Diagram GCS/GCC Series with Gentex Synchronization Module



Note: See Technical Bulletin 015 for proper synchronization module for application.

Architect & Engineering Specifications

The visible and audible/visible signal shall be Gentex model GCS or GCC or approved equal and shall be listed by Underwriters Laboratories Inc. per UL 1971 for the GCS and also UL 464 for the GCC. The notification appliance shall also be listed with the California State Fire Marshal (CSFM) and the Bureau of Standards and Appeals (NYC).

The notification appliance (combination audible/visible units only) shall produce a peak sound output of 90dBA or greater as measured in an anechoic chamber. The signaling appliance shall also have the capability to silence the audible signal while leaving the visible signal energized with the use of a single pair of power wires. Additionally, the user shall be able to select either continuous or temporal tone output with the temporal signal having the ability to be synchronized.

The audible/visible and visible signaling appliance shall also maintain a minimum flash rate of 1Hz or up to 2Hz regardless of power input voltage. The appliance shall have an operating current of 72mA or less at 24VDC for the 15 candela strobe circuit.

The appliance shall be polarized to allow for electrical supervision of the system wiring. The unit shall be provided with a mounting bracket with terminals with barriers for input/output wiring and be able to mount to a single gang or double gang box or double workbox with the use of an adapter plate. The unit shall have an input voltage range of 16-33 volts with either direct current or full wave rectified power.

The appliance shall be capable of test supervision without disconnecting wires. Also the appliance shall be capable of mounting to a surface box. The unit shall also be able to verify voltage at the unit without removing unit.

24 units per carton
29 pounds per carton



Fire Protection Products Group • www.gentex.com
10985 Chicago Drive • Zeeland, Michigan 49464
616.392.7195 • 1.800.436.8391 • 616.392.4219 Fax

Gentex Corporation reserves the right to make changes to the product data sheet at their discretion.

Important Notice:

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551-0051-04

City of Portland, Maine - Building or Use Permit Application

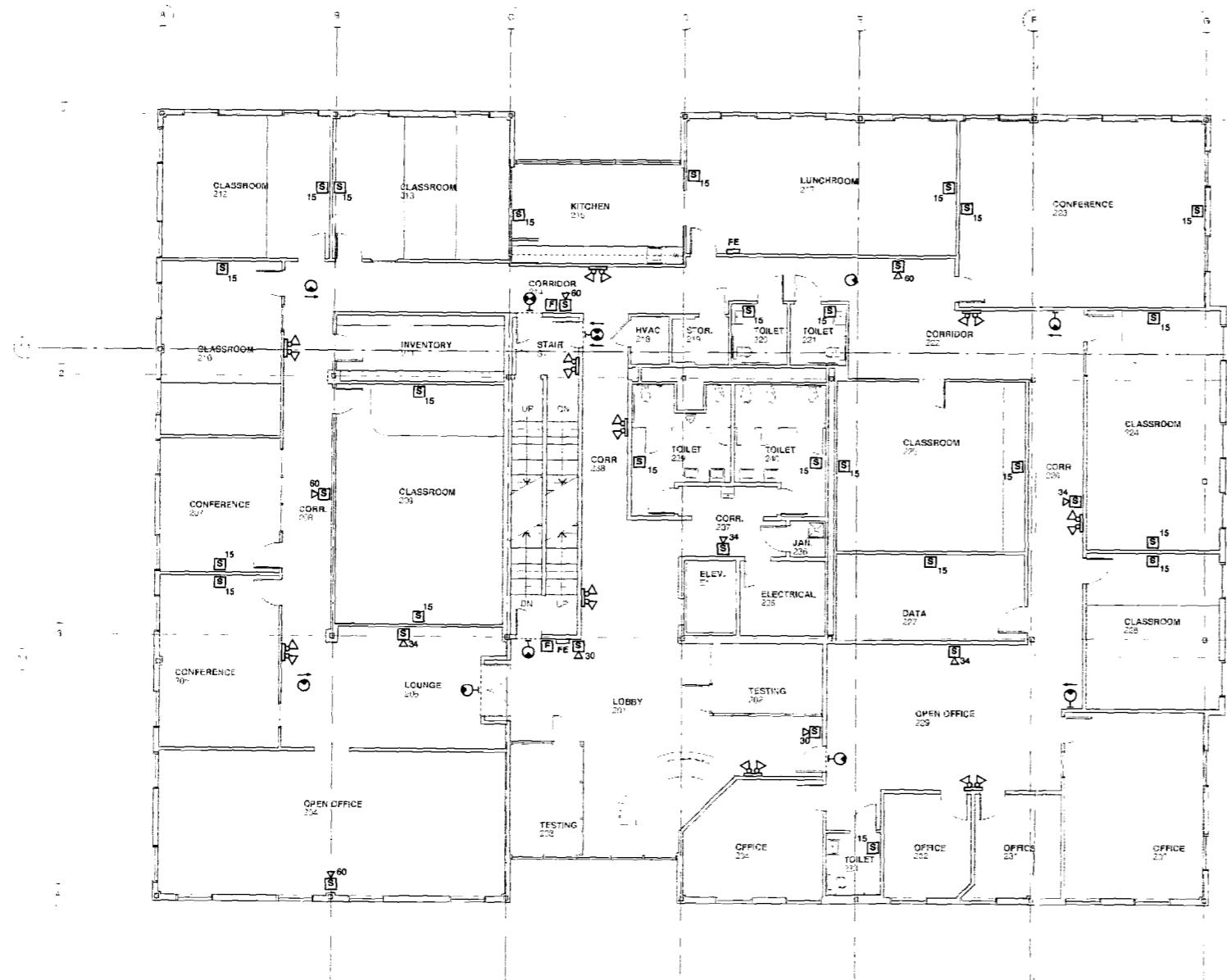
389 Congress Street, 04101 Tel: (207) 874-8703, FAX: (207) 8716

Job No: 2011-08-1919-FAFS	Date Applied: 8/9/2011	CBL: 219 - - A - 013 - 001 - - - - -	
Location of Construction: 1685 CONGRESS ST	Owner Name: * 1685 CONGRESS LLC	Owner Address: 202 MAMARONECK AVE WHITE PLAINS, NY - NEW YORK 10601	Phone:
Business Name:	Contractor Name: Protection One	Contractor Address: 10 Manor Drive, Portland, ME 04103	Phone: 408-4849
Lessee/Buyer's Name:	Phone:	Permit Type: FIRE ALARM - Fire Alarm	Zone: R-P
Past Use: Professional Offices	Proposed Use: Same: Professional Office - to install a fire alarm	Cost of Work: \$5000.00	CEO District:
		Fire Dept: <input checked="" type="checkbox"/> Approved w/conditions <input type="checkbox"/> Denied <input type="checkbox"/> N/A	Inspection: Use Group: Type:
		Signature: <i>G. Paul...</i> - (58)	Signature:
Proposed Project Description: fire alarm		Pedestrian Activities District (P.A.D.)	
Permit Taken By: Gayle		Zoning Approval	

<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>Special Zone or Reviews</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><input type="checkbox"/> Maj <input type="checkbox"/> Min <input checked="" type="checkbox"/> MM</p> <p>Date: <i>OK</i> <i>8/9/11</i></p>	<p>Zoning Appeal</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>Historic Preservation</p> <p><input 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:</p>
	CERTIFICATION		

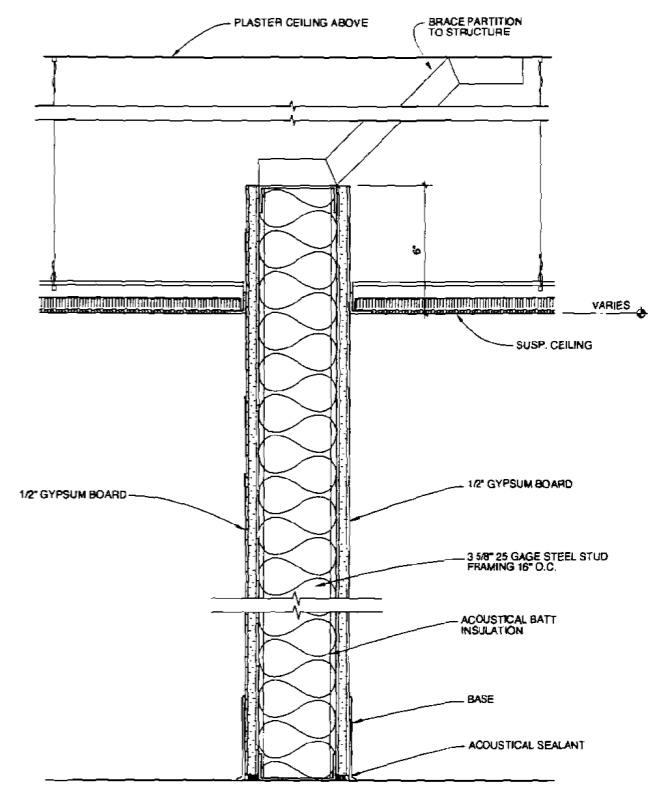
I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the 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	PHON

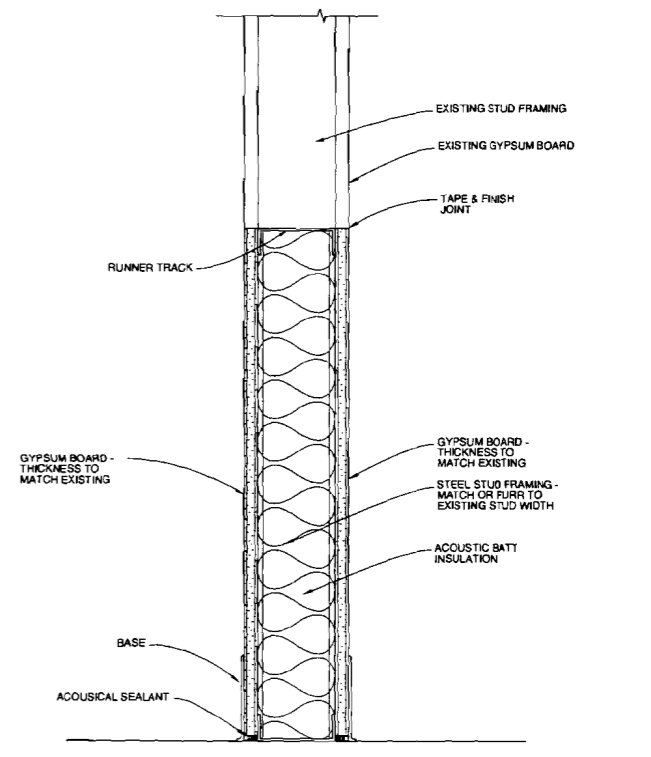


1 SECOND FLOOR LIFE SAFETY PLAN
 SCALE: 1/8" = 1'-0"
 2' 4' 8' 16'

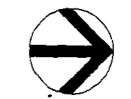
- LIFE SAFETY LEGEND**
- EMERGENCY LIGHT
 - EXIT SIGN
 - HORN STROBE - NUMBER INDICATES CANDELA RATING
 - STROBE - NUMBER INDICATES CANDELA RATING
 - FIRE ALARM PULL STATION
 - FIRE EXTINGUISHER 10# DRY CHEMICAL TYPE



3 PARTITION TYPE P2
 SCALE: 3" = 1'-0"
 1' 2' 4' 8'



2 PARTITION TYPE P1
 SCALE: 3" = 1'-0"
 1' 2' 4' 8'



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Michael Charek Architects
 25 Hartley Street
 Portland, Maine 04103
 (207) 761-0556



VTEC TRAINING CENTER

1685 Congress Street
 Portland, ME 04102

Title
 SECOND FLOOR LIFE SAFETY PLAN, PARTITION TYPES

Scale: 1/8" = 1'-0"

Date: 6/8/11

Revisions
ISSUED FOR PERMIT

Sheet
A2