DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

CITY OF PORTLAND

BUILDING PERMIT

This is to certify that
PROTECTION ONE
10 MANUEL DR
PORTLAND, ME 04103

For installation at
512 WARREN AVE
PORTLAND SPORTS COMPLEX

Job ID: 2012-10-5223-FAFS

CBL: 271- A-002-001

has permission to extend existing voice evac fire alarm to addition
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

B Crawford 58

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

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.**

Final Fire

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
Jeff Levine

Job ID: 2012-10-5223-FAFS
extend existing voice evac fire alarm to addition

For installation at:
512 WARREN AVE
PORTLAND SPORTS COMPLEX

CBL: 271- A-002-001

Conditions of Approval:

Fire

The certified master fire alarm company shall certify that the installation complies fully with NFPA 72 and does not exceed the listing of the fire alarm equipment.

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; and

NFPA 70, *National Electrical Code* (2011 edition) as amended by the State of Maine.

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.

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".

A Knox Box is required.

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 required 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:	Date Applied:	CBL:	
2012-10-5223-FAFS	**10/18/2012**	**271- A-002-001**	
Location of Construction: **550 (510) WARREN AVE – UNIT 2 -**	Owner Name: **PORTLAND SPORTS REALTY, LLC**	Owner Address: **550 WARREN AVE PORTLAND, ME 04103**	Phone:
Business Name:	Contractor Name: **Protection 1**	Contractor Address: **10 Manuel Drive, Portland, ME 04103**	Phone: **207-347-5316**
Lessee/Buyer's Name:	Phone:	Permit Type: **FIRE ALARM - Fire Alarm**	Zone: **B-4**
Past Use: Portland Sports Complex	Proposed Use: Same – Portland Sports Complex – install fire alarm	Cost of Work: **10000.00**	CEO District:
		Fire Dept: 10/12/12 ! Approved w/ conditions ___ Denied ___ N/A Signature: BJanbeck (58)	Inspection: Use Group: Type: Signature:
Proposed Project Description: **Install Fire Alarm**		Pedestrian Activities District (P.A.D.)	
Permit Taken By: **Gayle**			

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 electrial 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.

Zoning Approval

Special Zone or Reviews	Zoning Appeal	Historic Preservation
___ Shoreland	___ Variance	✓ Not in Dist or Landmark
___ Wetlands	___ Miscellaneous	___ Does not Require Review
___ Flood Zone	___ Conditional Use	___ Requires Review
___ Subdivision	___ Interpretation	___ Approved
___ Site Plan	___ Approved	___ Approved w/Conditions
___ Maj ___Min ___ MM	___ Denied	___ Denied
Date: OK 10/19/12 ABM	Date:	Date: ABM

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 PHONE

PORTLAND MAINE

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

Receipts Details:

Tender Information: Check , BusinessName: Protection One, Check Number: 4136
Tender Amount: 120.00

Receipt Header:

Cashier Id: gguertin
Receipt Date: 10/18/2012
Receipt Number: 49423

Receipt Details:

Referance ID:	8436	Fee Type:	BP-Constr
Receipt Number:	0	Payment Date:	
Transaction Amount:	120.00	Charge Amount:	120.00
Job ID: Job ID: 2012-10-5223-FAFS - Fire Alarm			
Additional Comments: 510 Warren Ave.Protection One			

Thank You for your Payment!

B-1 already sent electronic file per Jason Gervais

Fire Alarm Permit

2012 10 5223

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.

(550 Warren assessors)

Installation address: 510 Warren Avenue CBL: 371 A 002002

Exact location: (within structure) Panel located in Northwest side of Jokers building

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

Building owner: Portland Sports Complex (Portland Sports Realty LLC)

System Designer (point of contact): Robin Russell (Must be) 10 Manuel Drive, Portland ME 04103

Designer phone: (207) 347-5327 E-mail: rrussell@protection1.com

Installing contractor: Protection 1 Certificate of Fitness No: M1003

Contractor phone: (207) 347-5316 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
- [✓] Wiring diagram
- [✓] Annunciator details
- [✓] Input/ Output Matrix
- [✓] Equipment data sheets
- [✓] Scope of Work
- [✓] 11 ½ x 17s
- [✓] pdf copy (may be e-mailed)
- [✓] Designer qualifications
- [✓] 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: $9,176.00

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

RECEIVED
OCT 18 2012
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 ½ 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: Robin Russell Date: 10-15-12

Fire Alarm System 510 Warren Avenue, Portland, Maine 04103

SCOPE of WORK: The submittal for this permit is to install fire alarm system equipment in the building addition. See scope below:

- Install speaker strobes according to floor plan
- Wire speakers to existing Voice Evac panel in existing field house
- Install NAC Power Extender and wire strobes circuits
- Install pull stations according to floor plan
- Wire pull stations to available zone on existing panel
- Wire new water flow switch to available zone on existing control panel
- Wire air pressure switch to available zone on existing control panel
- Wire tamper switch to existing tamper zone on existing control panel

Honeywell

GENESIS SERIES

Low Voltage Cable
Part No. 1223

Description:	14 AWG 2/C STR OAS CM-CL2
Specifications:	UL Standards 13 & 444; NEC Articles 725 & 760

Construction:

Conductor	14 AWG 19/0.0147 Stranded Bare Copper
Insulation	Polypropylene
Insulation Thickness	0.007" nom.
Insulation Colors	Blk,Red
Insulation Diameter	0.089 nom.
Lay Length	3.75" nom.
Drain Wire	18 AWG 16/30 Tinned Copper
Shield	0.001" Thick Aluminum/Mylar

Jacket	PVC
Jacket Thickness	0.016" nom.
Outside Diameter	0.214" nom.
Legend (Ink Print)	**HONEYWELL P/N 1223 2C14 SHIELDED 3038058 (ETL) CL2 OR CM C(ETL)US SUN RES (RoHS) W/O #XXXXXX-XXXXXX XXXX FT DEVICE/ZONE A B C D E F 1 2 3 4 5 6 7 8 9**

Properties

Temperature Rating	-20 to 60 °C
Operating Voltage	300 Volts max.
Capacitance	43 pf/ft nom.
Impedance	45 Ohms nom.
DC Resistance	2.53 Ohms/M' at 20°C
Flame Rating	UL 1685 Vertical Tray

Honeywell

GENESIS SERIES

Power Limited Fire Alarm Cable
Part No. 4513

Description:	14 AWG 2/C SOL FPLP-CL2P
Compliance:	UL Standards 13 & 1424; NEC Articles 725 & 760

Construction:

Conductor	14 AWG Solid Bare Copper
No. of Conductors	2

Insulation

Type	Plenum PVC
Color	Blk, Red
Thickness	0.007" nom.
Diameter	0.078" nom.
Lay Length	3.0" nom.

Jacket

Type	Plenum PVC
Color	Red
Thickness	0.015" nom.
Diameter	0.180" nom.
Legend (Ink Print)	**HONEYWELL P/N 4513 2C14 E175105 (UL) FPLP OR CL2P C(UL)US FT6 75C (RoHS) W/O# XXXXXX-XXXXXX XXXXFT DEVICE/ZONE A B C D E F 1 2 3 4 5 6 7 8 9**

Properties:

Temperature Rating	-20 to 75°C
Operating Voltage	300 Volts max.
Capacitance	32 pf/ft nom.
Impedance	59 Ohms nom.
DC Resistance	2.5 Ohms/M' at 20°C
Flame Rating	UL 910, NFPA 262, C(UL) FT6

Altronix®

AL602ULADA, AL802ULADA, AL1002ULADA
NAC Power Extenders

Rev. AL602/802/1002ULADA- L20E

Overview

- The AL602ULADA, AL802ULADA and AL1002ULADA are extremely cost effective voltage regulated remote NAC Power Extenders. They may be connected to any 12 or 24 volt Fire Alarm Control Panel (FACP). Primary applications include Notification Appliance Circuit (NAC) expansion (supports ADA requirements) and will provide auxiliary power to support system accessories.

AL602ULADA
- 24VDC or 12VDC rated @ 6.5 amp max.
- Two (2) Class A or four (4) Class B outputs.

AL602ULADAJ
- Larger enclosure.

AL802ULADA
- 24VDC or 12VDC rated @ 8 amp max.
- Two (2) Class A or four (4) Class B outputs.

AL802ULADAJ
- Larger enclosure.

AL1002ULADA
- 24VDC rated @ 10 amp max.
- Two (2) Class A or four (4) Class B outputs.

AL1002ULADAJ
- Larger enclosure.

Specifications

- Two (2) Class A or two (2) Class B FACP inputs.
- Two (2) NC dry contact trigger inputs (AL802ULADA and AL1002ULADA only)
- Two (2) Class A or four (4) Class B indicating circuits.
- Two (2) Class B outputs may be paralleled for more power on an indicating circuit.
- One (1) Aux. Power Output @ 1 amp supply current (w/battery back up).
- Signal Circuit Trouble Memory - facilitates quickly locating intermittent system trouble and eliminates costly and unnecessary service calls. LED's indicate a prior fault (short, open, ground) has occurred on one or more signaling circuit outputs.
- 2-wire Horn/Strobe Sync mode allows audible notification appliances (Horns) to be silenced while visual notification appliances (Strobes) continue to operate.
- Horn/Strobe sync protocols include: Gentex®, System Sensor®, Faraday, Amseco.
- Temporal Code 3 Mode.
- Steady Mode.
- Input to Output Follower Mode (maintains synchronization of notification appliance circuits).
- March Time.
- Compatible with 24VDC or 12VDC fire panels.
- Common trouble inputs and outputs.
- Ground fault detection.
- Input 115VAC.
- AC fail supervision (form "C" contacts).
- Low battery supervision (form "C" contacts).
- Battery presence supervision (form "C" contacts).
- Power supply, logic board, red enclosure, cam lock, transformer & battery leads.
- Enclosure:
  - Combination knockouts re 1/2" and 3/4"
  - Accommodates up to two (2) 12VDC/12AH batteries.

Agency Approvals

UL Listed Control Units and Accessories for Fire Alarm Systems (UL 864), UL Listed Standard for Safety for Fire Protective Signaling Systems (UL 1481).

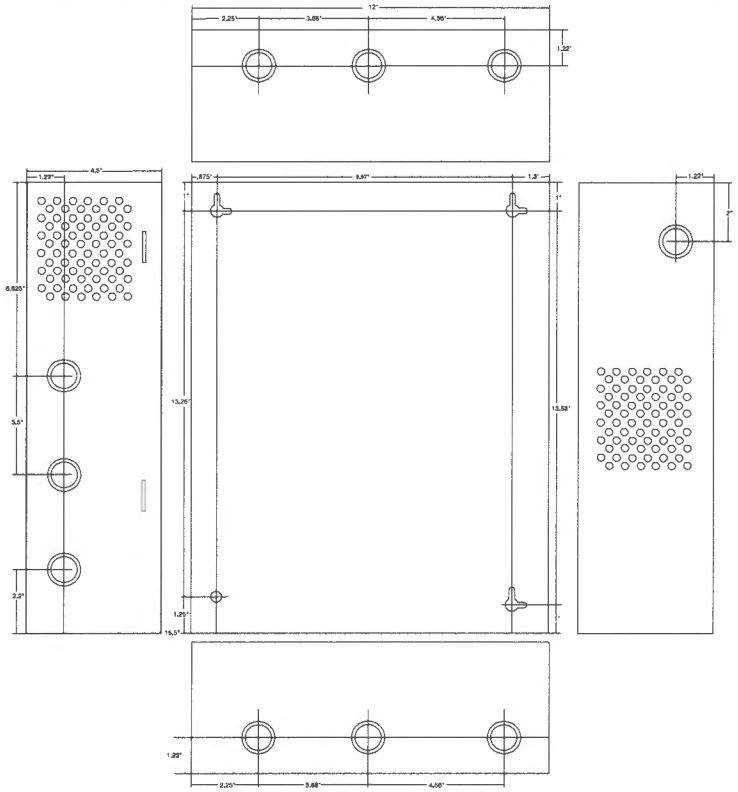
MEA Approved NYC Department of Buildings Approved.

California State Fire Marshal Approved.

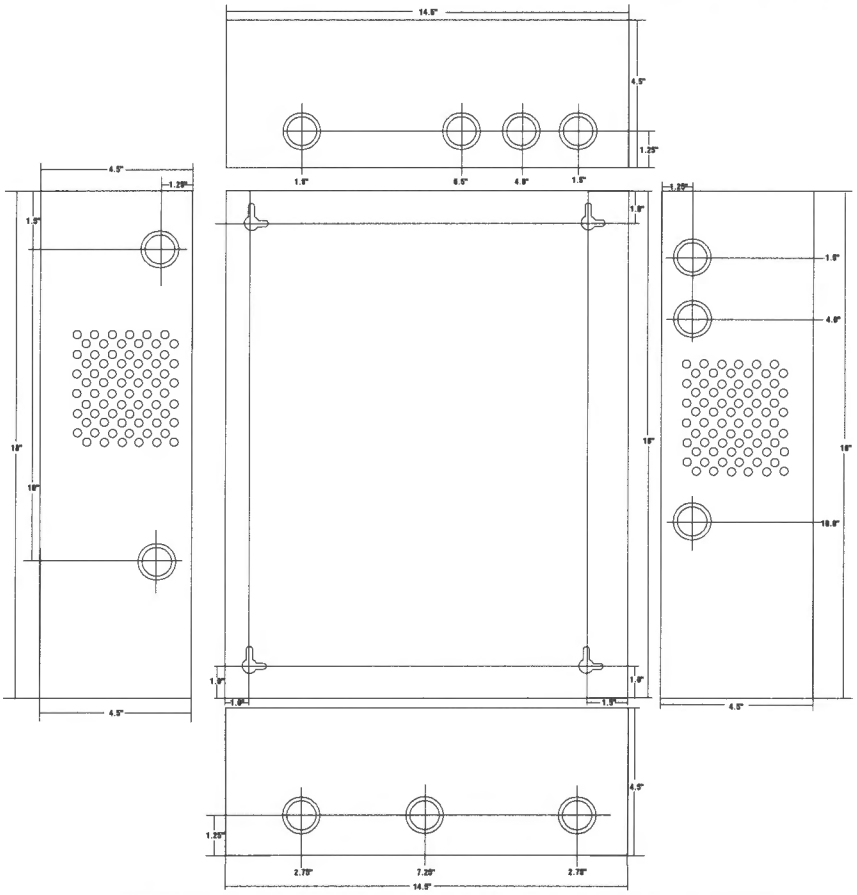
FM APPROVED Factory Mutual Approved.

Enclosure Dimensions

AL602ULADA, AL802ULADA and AL1002ULADA: 15.5"H x 12"W x 4.5"D



AL602ULADAJ, AL802ULADAJ and AL1002ULADAJ: 18"H x 14.5"W x 4.625"D



GENTEX CORPORATION

Low Profile Ceiling Mount Speaker/Strobe and Ceiling or Wall Mount Speaker

SSPKCLP SERIES

Applications

The Gentex SSPK24CLP is a ceiling mount, selectable candela speaker/strobe and the SSPKCLP is a ceiling or wall mount speaker designed to meet code requirements for audio, visual and voice communications. The SSPKCLP Series are quality speaker products that offer both dependable evacuation signaling and visual alarms, or a combination of both. The SSPK24CLP has high output tamperproof candela selections are 15, 30, 75, 95 and 115.

The SSPKCLP Series can be mounted in a **4" square x 2-1/8" deep back box, an extension ring is not needed.**

The SSPKCLP Series provides a 25 or 70.7 VRMS speaker with field selectable power taps of 1/8W, 1/4W, 1/2W, 1W, 2W or 4W. The SSPK24CLP strobes can be synchronized by using the Gentex Synchronization Control Module, FACP's or power supplies that include the Gentex Synchronization Protocol.

The SSPKCLP Series grills are constructed of high impact textured plastic. The SSPKCLP is warranted for 3 years from the date of purchase. The SSPKCLP devices are UL 1971 listed for use with fire protective signaling systems.

SSPK24CLPW SSPKCLPR

Product Listings

SIGNALING UL LISTED

- **UL1480, UL 1971 and UL 2043 Listed**
- **CSFM # 7320-0569:137**
- **BS&A/MEA # 580-06-E Vol. 3**

Product Compliance

- **Americans with Disabilities Act (ADA)**
- **NFPA 72**

NEMA MEMBER

ASSEMBLED IN THE USA

Standard Features

- 24VDC Tamperproof Selectable Candela Selections of 15, 30, 75, 95 and 115.
- **Unit Dimension:** 6.1" Square X 1.88" Deep
- SSPK24CLP Ceiling Mounting to a standard 4" X 2-1/8" Deep Back Box
- SSPKCLP Ceiling or Wall Mounting to a standard 4" X 2-1/8" Deep Back Box
- High Quality dBA Output (Intelligible)
- Frequency Range 400-4000Hz
- Screw Terminals, Separate In/Out Wiring (12-18 Gauge)
- Field Selectable Power Taps: 1/8W, 1/4W, 1/2W, 1W, 2W, 4W
- Speaker Voltage 25 or 70.7 VRMS Standard, Field Selectable
- To Synchronize Use the Gentex Synchronization Control Module
- Tamperproof Grill
- Faceplate Available in Red or Off-White
- UL 1480/UL 1971/UL 2043 Listed for Fire Protective Service/Signal for Hearing Impaired
- Xenon Strobe Maintains Constant Flash Rate (1Hz) Regardless of Input Voltage[1]

Low Profile Evacuation Speakers and Speaker/Strobes		
Model Number	**Description**	**Part Number**
SSPKCLPR	Speaker	904-1445-002
SSPKCLPW	Speaker	904-1446-002
SSPK24CLPR	Speakers/Strobe	904-1441-002
SSPK24CLPW	Speaker/Strobe	904-1443-002

Speaker dBA @ 10 ft.		
Input Watts	**25 Volts**	**70.7 Volts**
1/8	74.6 dBA	73.7 dBA
1/4	77.7 dBA	76.7 dBA
1/2	80.5 dBA	79.6 dBA
1	83.1 dBA	82.5 dBA
2	85.6 dBA	85.4 dBA
4	87.9 dBA	87.9 dBA

Notes:
The SSPKCLP Series is not listed for outdoor use.
Operating temperature: 32°to 120°F (0° to 49° C).
Gentex does not recommend using a coded or pulsing signaling circuit with any of our strobe products (see technical bulletin number 014).

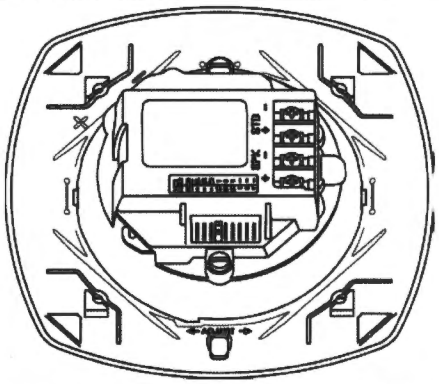
"R" = Red Faceplate
"W" = Off-White Faceplate
"P" = Plain (no lettering) Available with all models.

SSPK24CLP CEILING MOUNT STROBE CURRENT RATINGS					
Candela	**15cd**	**30cd**	**75cd**	**95cd**	**115cd**
24 VDC	**72mA**	**88mA**	**176mA**	**200mA**	**214mA**
UL Max[1]	120mA	130mA	272mA	318mA	360mA

[1] RMS current ratings are per UL average RMS method. UL maximum current reting is the maximum RMS current within the listed voltage range (16-33VDC for 24VDC units) (8-17VDC for 12VDC units). For strobes the UL max current is usually at the minimum listed voltage (16VDC for 24VDC units) (8VDC for 12VDC units). For audibles the maximum current is usually at the maximum listed voltage. For unfiltered FWR ratings, see installation manual.

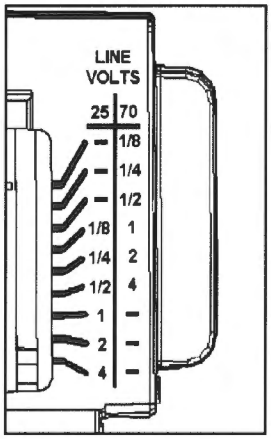
SSPKCLP SERIES

SSPK24CLP Candela Selection

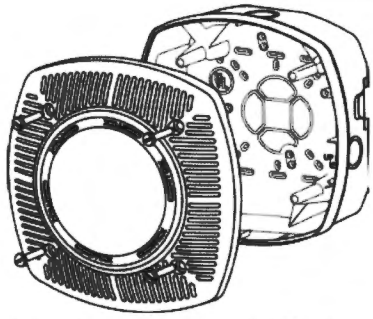


Adjust brightness by turning dial with screwdriver. Candela selection is displayed on front of unit.

Power Tap Selection

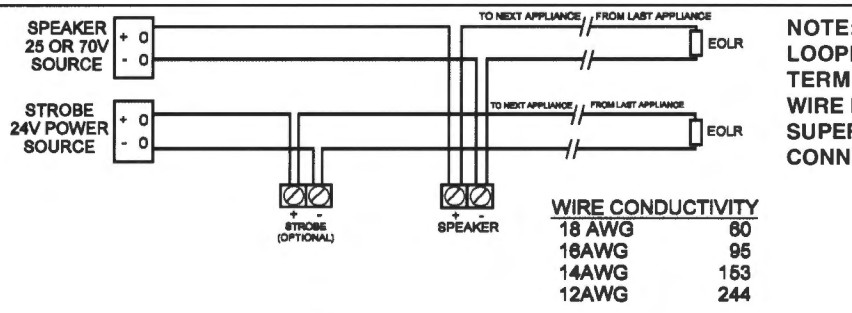


SSPKCLP Mounting Diagram



Mounts to a standard 4" square x 2-1/8"back box or to Gentex GBLP surface back box

Wiring Diagram



NOTE: DO NOT USE LOOPED WIRE UNDER TERMINALS. BREAK WIRE RUN TO PROVIDE SUPERVISION OF CONNECTION.

WIRE CONDUCTIVITY	
18 AWG	60
16AWG	95
14AWG	153
12AWG	244

$$\text{*MAX. WIRE DISTANCE (IN FEET)} = \frac{\text{PANEL VOLTAGE} - \text{DEVICE MINIMUM VOLTAGE}}{\text{TOTAL CURRENT DRAW}} \times \text{WIRE CONDUCTIVITY}$$

***CAUTION:** APPLIES ONLY TO REGULATED SUPPLIES

NOTICE: POWER IS SUPPLIED TO DEVICES WHEN CONTROL PANEL IS LATCHED.

Architect & Engineering Specifications

The fire alarm speaker shall be Gentex SSPKCLP, SSPK24CLP or equivalent. The speaker shall be capable of producing alarm tones or voice on all 25 or 70.7 VRMS audio systems. The speaker shall provide incremental tap settings of 1/8, 1/4, 1/2, 1, 2 or 4 watts. Minimum dBA ratings at 1/4 watt shall be 76.7dBA and at 4 watts 87.9dBA. Tap settings shall be adjustable with field selectable jumper pins. The speaker shall also have an optional visual signal capability.

The visual signal shall have a 1Hz flash rate regardless of input voltage. All field wiring connections shall be made via separate in-out terminal connections and the speaker or speaker strobe shall be UL, CSFM and BS&A/MEA listed and comply with all local, state and federal fire alarm codes/standards.

12 units per carton
17 pounds per carton

GENTEX CORPORATION

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

551-0065-02

NBG-12 Series

Non-Coded Conventional Manual Fire Alarm Pull Stations

NOTIFIER® by Honeywell

Conventional Initiating Devices

General

The NOTIFIER **NBG-12 Series** is a cost-effective, feature-packed series of non-coded manual fire alarm pull stations. It was designed to meet multiple applications with the installer and end-user in mind. The NBG-12 Series features a variety of models including single- and dual-action versions.

The NBG-12 Series provides an alarm initiating input signal to conventional fire alarm control panels (FACPs) such as the SFP Series, and to XP Transponders. Its innovative design, durable construction, and multiple mounting options make the NBG-12 Series simple to install, maintain, and operate.

Features

- Aesthetically pleasing, highly visible design and color.
- Attractive contoured shape and light textured finish.
- Meets ADA 5 lb. maximum pull-force.
- Meets UL 38, Standard for Manually Actuated Signaling Boxes.
- Easily operated (single- or dual-action, model dependent), yet designed to prevent false alarms when bumped, shaken, or jarred.
- PUSH IN/PULL DOWN handle latches in the down position to clearly indicate the station has been operated.
- The word "ACTIVATED" appears on top of the handle in bright yellow, further indicating operation of the station.
- Operation handle features white arrows showing basic operation direction for non-English-speaking persons.
- Braille text included on finger-hold area of operation handle and across top of handle.
- Multiple hex- and key-lock models available.
- U.S. patented hex-lock needs only a quarter-turn to lock/unlock.
- Station can be opened for inspection and maintenance without initiating an alarm.
- Product ID label viewable by simply opening the cover; label is made of a durable long-life material.
- The words "NORMAL" and "ACTIVATED" are molded into the plastic adjacent to the alarm switch (located inside).
- Four-position terminal strip molded into backplate.
- Terminal strip includes Phillips combination-head captive 8/32 screws for easy connection to Initiating Device Circuit (IDC).
- Terminal screws backed-out at factory and shipped ready to accept field wiring (up to 12 AWG/3.1 mm²).
- Terminal numbers are molded into the backplate, eliminating the need for labels.
- Switch contacts are normally open.
- Can be surface-mounted (with **SB-10** or **SB-I/O**) or semi-flush mounted. Semi-flush mount to a standard single-gang, double-gang, or 4" (10.16 cm) square electrical box.
- Backplate is large enough to overlap a single-gang backbox cutout by 1/2" (1.27 cm).
- Optional trim ring (**BG12TR**).
- Spanish versions *(FUEGO)* available (**NBG-12LSP, NBG-12LPSP**).
- Designed to replace the legacy **NBG-10** Series.
- Models packaged in attractive, clear plastic (PVC), clam-shell-style, Point-of-Purchase packages. Packaging includes a cutaway dust/paint cover in shape of pull station.

6643cov.jpg

Construction

- Cover, backplate and operation handle are all molded of durable polycarbonate material.
- Cover features white lettering and trim.
- Red color matches System Sensor's popular SpectrAlert® Advance horn/strobe series.

Operation

The NBG-12 manual pull stations provide a textured finger-hold area that includes Braille text. In addition to PUSH IN and PULL DOWN text, there are arrows indicating how to operate the station, provided for non-English-speaking people.

Pushing in and then pulling down on the handle activates the normally-open alarm switch. Once latched in the down position, the word "ACTIVATED" appears at the top in bright yellow, with a portion of the handle protruding at the bottom as a visible flag. Resetting the station is simple: insert the key or hex (model dependent), twist one quarter-turn, then open the station's front cover, causing the spring-loaded operation handle to return to its original position. The alarm switch can then be reset to its normal (non-alarm) position manually (by hand) or by closing the station's front cover, which automatically resets the switch.

Specifications

PHYSICAL SPECIFICATIONS:

pull station		SB-10	SB-I/O	WBB	WP-10
H	5.500 in. (13.97 cm)	5.500 in. (13.97 cm)	5.601 in. (14.23 cm)	4.25 in. (10.79 cm)	6.000 in. (15.24 cm)
W	4.121 in. (10.467 cm)	4.125 in. (10.478 cm)	4.222 in. (10.72 cm)	4.25 in. (10.79 cm)	4.690 in. (11.913 cm)
D	1.390 in. (3.531 cm)	1.375 in. (3.493 cm)	1.439 in. (3.66 cm)	1.75 in. (4.445 cm)	2.000 in. (5.08 cm)

6643dim2.tbl

ELECTRICAL SPECIFICATIONS:

Switch contact ratings: gold-plated; rating 0.25 A @ 30 VAC or VDC. **Auxiliary contact circuit** (Terminals 3 & 4, NBG-12LA): rated to 3.0 A @ 30 VAC or VDC.

ENGINEERING/ARCHITECTURAL SPECIFICATIONS

Manual Fire Alarm Stations shall be non-code, with a key- or hex-operated reset lock in order that they may be tested, and so designed that after actual Emergency Operation, they cannot be restored to normal except by use of a key or hex. An operated station shall automatically condition itself so as to be visually detected as activated. Manual stations shall be constructed of red colored LEXAN (or polycarbonate equivalent) with clearly visible operating instructions provided on the cover. The word **FIRE** shall appear on the front of the stations in white letters, 1.00 inches (2.54 cm) or larger.* Stations shall be suitable for surface mounting on matching backbox SB-10 or SB-I/O; or semi-flush mounting on a standard single-gang, double-gang, or 4" (10.16 cm) square electrical box, and shall be installed within the limits defined by the Americans with Disabilities Act (ADA) or per national/local requirements. Manual Stations shall be Underwriters Laboratories listed.

***NOTE:** *The words "FIRE/FUEGO" on the NBG-12LSP and NBG-12LPSP shall appear on the front of the station in white letters, approximately 3/4" (1.905 cm) high.*

Pre-Signal Models

The **NBG-12LPS** and **NBG-12LPSP** pull stations are non-coded manual pull stations which provide a FACP with two normally open alarm initiating input signals. "Pre-signal" input is activated by pushing in, then pulling down, the dual-action handle. A "general" alarm input signal can be manually activated via a momentary rocker switch mounted inside the unit. This general alarm switch can only be accessed by opening the cover with the supplied key/lock. *See diagram at right.*

Agency Listings and Approvals

The listings and approvals below apply to the NBG-12 Series pull stations. 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.

- **C(UL)US** Listed: file S692.
- **CSFM** approved: file 7150-0028:199.
- **FM** approved *(except NBG-12LPS, NBG-12LPSP).*
- **MEA** approved: file 67-02-E *(NBG-12, NBG-12L, NBG-12LOB, NBG-12LA).*
- **Lloyd's Register** type approved: file 93/60141 (E3) *(NBG-12, NBG-12L, NBG-12LA, NBG-12LOB, NBG-12S).*
- **U.S. Coast Guard** approved: files 161.002/23/3 *(AFP-200 with NBG-12, NBG-12L, NBG-12S)*; 161.002/42/1 *(NFS-640 with NBG-12, NBG-12L, NBG-12S)*; 161.002/27/3 *(AFP1010/ AM2020 with NBG-12, NBG-12L, NBG-12S).*
- **Patented:** U.S. Patent No. D428,351; 6,380,846; 6,314,772; 6,632,108.

Product Line Information

NBG-12S: Single-action pull station with pigtail connections, hex lock.

NBG-12: Dual-action pull station with SPST N/O switch, screw terminal connections, ***hex lock***.

NBG-12L: Dual-action pull station with SPST N/O switch, screw terminal connections, ***key lock***.

NBG-12LSP: Same as NBG-12L with English/Spanish *(FIRE/ FUEGO)* labeling.

NBG-12LPS: Dual-action pull station with pre-signal option.

NBG-12LPSP: Same as NBG-12LPS with English/Spanish *(FIRE/FUEGO)* labeling.

NBG-12LOB: Dual-action pull station with key lock, outdoor applications listings (**NBG-12LO**), and backbox. Includes **SB-I/O** indoor/outdoor backbox, and sealing gasket. Model will also mount to **WP-10** weatherproof backbox in retrofit applications.

***NOTE:** NBG-12LO not available separately;*
NBG-12LO + approved backbox = NBG-12LOB.
Outdoor applications listings apply to NBG-12LOB combination.

NBG-12LA: Dual-action pull station with key lock and annunciator contacts.

SB-10: Surface-mount backbox, metal.

SB-I/O: Surface-mount backbox, plastic. *(Included with NBG-12LOB.)*

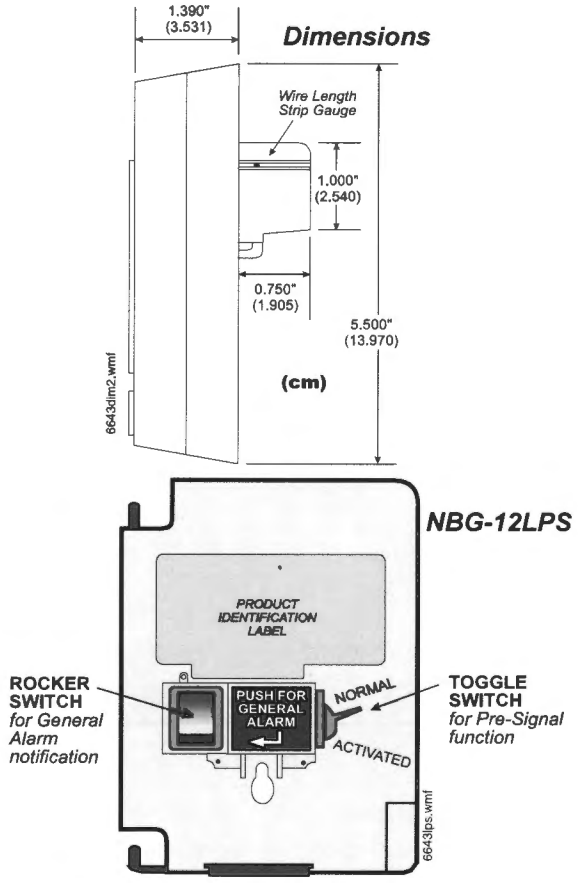
BG12TR: Optional trim ring for semi-flush mounting.

WP-10: Outdoor use backbox.

17021: Keys, set of two. (Included with key-lock pull stations.)

17007: Hex key, 9/64". (Included with hex-lock pull stations.)

***NOTE:** For addressable NBG-12LX models, see data sheet DN-6726.*



ISO 9001 CERTIFIED ENGINEERING & MANUFACTURING QUALITY SYSTEMS

This document is not intended to be used for installation purposes.
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

Protection 1 Branch 11660

10 Manual Drive, Portland, ME 04103 PH# 1-800-310-5011

System Inputs

System Outputs		Control Unit Annunciation															Notification		
		Actuate common alarm signal Indicator	Actuate audible alarm system	Actuate common supervisory signal indicator	Actuate audible supervisory signal	Actuate common trouble signal indicator			Actuate Basment floor evacuation signals	Actuate 1st Floor Evacuation Signals	Actuate 2nd Floor Evacuation Signal	Actuate 3rd Floor Evacuation Signals	Actuate 4th Floor Evacuation Signals	Actuate 5th Floor Evacuation Signals			Transmit fire alarm signal to supervising station	Transmit supervisory signal to supervising	Transmit trouble signal to supervising station
System Pull Stations		X	X						X	X	X	X	X	X			X		
System Smoke Detectors		X	X						X	X	X	X	X	X			X		
Sprinkler Water Flow		X	X						X	X	X	X	X	X			X		
Sprinkler Gate Valve Tamper				X	X													X	
Sprinkler Air Pressure				X	X													X	
Duct Detectors				X	X													X	
FACP AC Loss						X	X												X
FACP Low Battery						X	X												X
FACP Ground Fault						X	X												X
Phone Line #1 Fail						X	X												X
Phone Line #2 Fail						X	X												X
Portland Spofrts Complex																			
510 Warren Avenue																			

Safety Control

Altronix NAC Power Extender Battery Calculator

NAC Power Extender: AL602ULADA

Output Voltage: 24VDC
Maximum Available Current: 6.5A
Maximum Available NAC Current Per Circuit: 2.5A
Maximum Available Aux Current: 1A

			Load per Device		Total Device Load	
Device Type	**Device Name**	**Quantity**	**Stand-By**	**Alarm**	**Stand-By**	**Alarm**
	AL602ULADA	1			0.09A	0.175A
Notification Appliances						
NAC1						
Notif. Appliance	Wall Speaker Strobe	3		.224 A		0.672 A
NAC2						
Notif. Appliance	Wall Speaker Strobe	2		.224 A		0.448 A
Notif. Appliance	Ceiling Speaker Strobe	2		.360 A		0.720 A
NAC3						
Notif. Appliance	Wall Speaker Strobe	3		.224 A		0.672 A
NAC4						
Notif. Appliance		0		0.000 A		0 A
Auxiliary Devices						
Aux Output (total auxiliary current draw must not exceed 1mA)						
Auxiliary Device		0	0 A	0.000 A	0.000 A	0.000 A
				Total System Load:	0.09A	2.687A
Calculation Results						
				Total Stand-By Amp Hours:	2.160AH	
				Total Alarm Amp Hours:	0.224AH	
				Minimum battery size required:	2.861AH	

Minimum allowable battery power rating is 7 AH

Units are capable of recharging 40AH battery max. If total ampere - hour required exceeds 40AH, decrease AUX current to provide enough stand-by time for the application.

Back to Calculator

Protection 1
10 Maunel Drive
Portland, Maine, 04103
(207 347-5327 Phone
(207) 772-7355 Fax

Project Name: Portland Sports Complex
Project Number:
Designer: Robin Russell
Date: 10/8/12

Circuit Devices

Circuit Number	Circuit Name	Qty.	Device	Current Each (Amps)	Current Total (Amps)
1	NAC #1	3	Gentex SSPK24-110 Speaker/Strobe	0.224	0.672
				Total Circuit Current:	**0.672**
2	NAC #2	2	Gentex SSPK24-110 Speaker/Strobe	0.224	0.448
		2	Gentex SSPKC24-115 Speaker/Strobe	0.360	0.720
				Total Circuit Current:	**1.168**
3	NAC#3	3	Gentex SSPK24-110 Speaker/Strobe	0.224	0.672
				Total Circuit Current:	**0.672**

Protection 1
10 Maunel Drive
Portland, Maine, 04103
(207 347-5327 Phone
(207) 772-7355 Fax

Project Name: Portland Sports Complex
Project Number:
Designer: Robin Russell
Date: 10/8/12

Circuit Summary

Circuit Number	Circuit Name	Supply Voltage (VDC)	Alarm Current	Wire Type	Ohms / 1000 ft.	Length (Feet)	Total Resistance (Ohms)	Voltage Last Device
1	NAC #1	20.4	0.672	#14AWG Solid	3.19	350	2.23	18.90
2	NAC #2	20.4	1.168	#14AWG Solid	3.19	400	2.55	17.42
3	NAC#3	20.4	0.672	#14AWG Solid	3.19	500	3.19	18.26

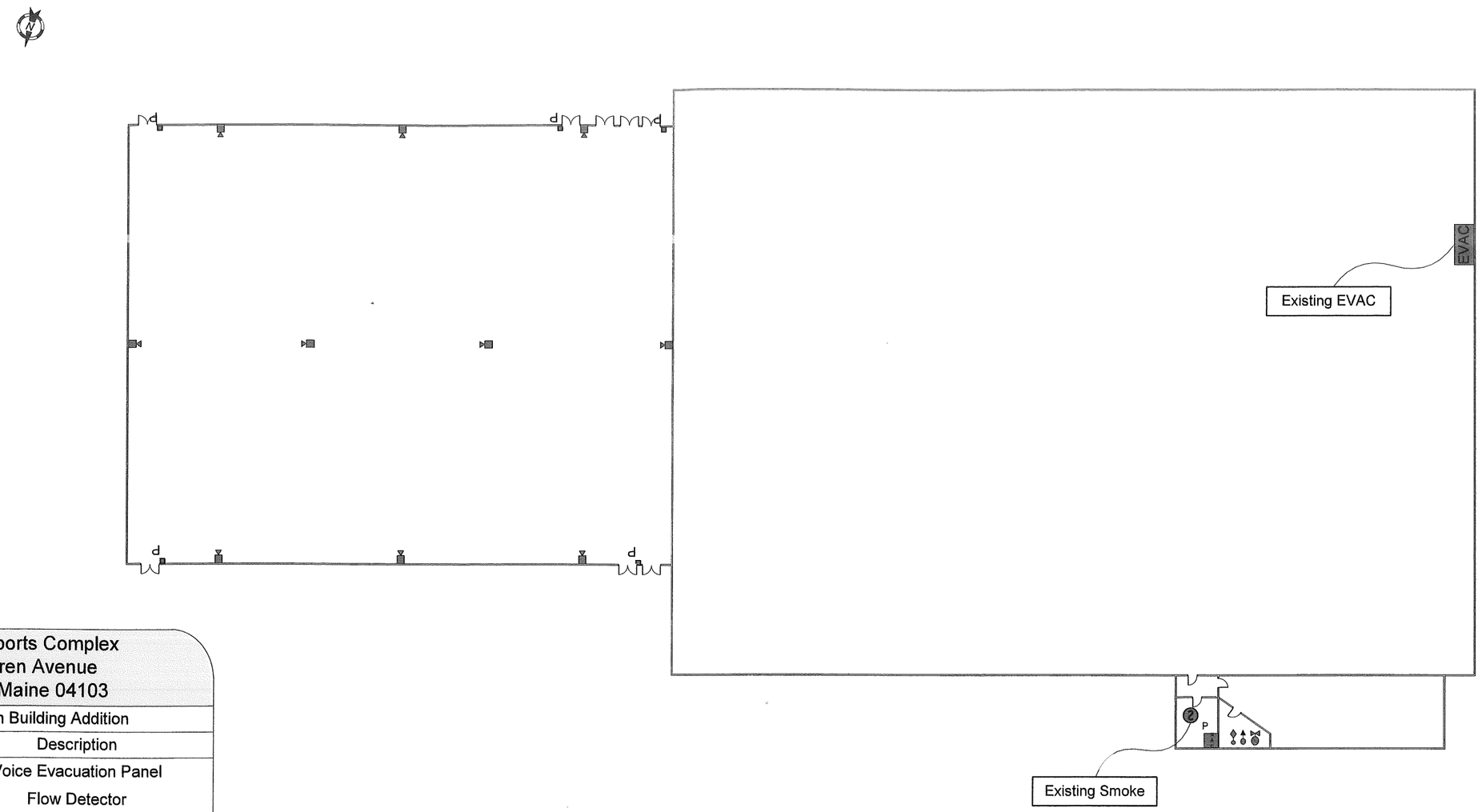
Notes:

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 Farenheit)

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.



Portland Sports Complex 510 Warren Avenue Portland, Maine 04103		
Fire Alarm Plan Building Addition		
Symbol	Count	Description
EVAC	1	Voice Evacuation Panel
	1	Flow Detector
	1	Pressure Detector
	1	Valve w/ Tamper Detector
	1	NAC Power Supply
	1	Smoke Detector
	10	Speaker / Horn
	5	Manual Station

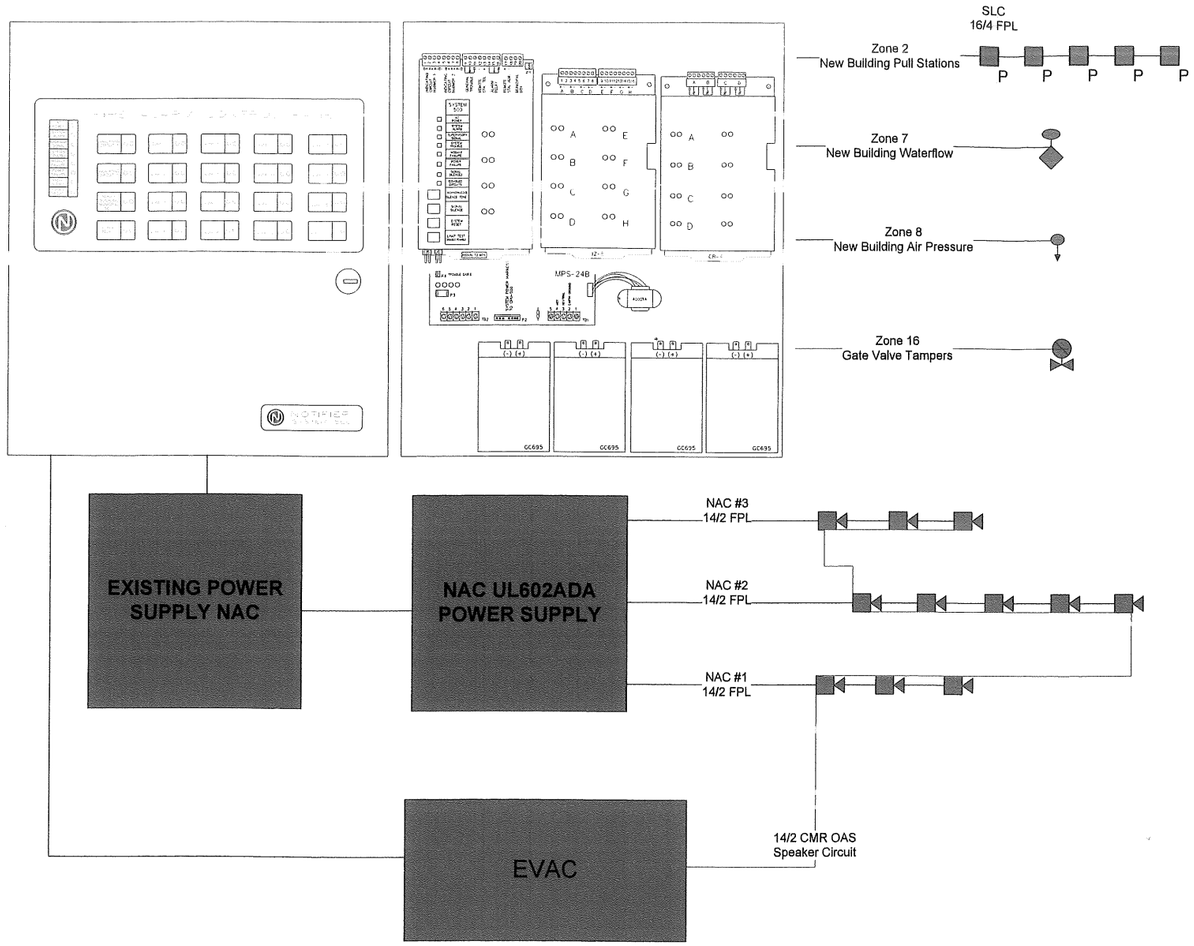
1/32 = 1'

Protection 1 SECURITY SOLUTIONS

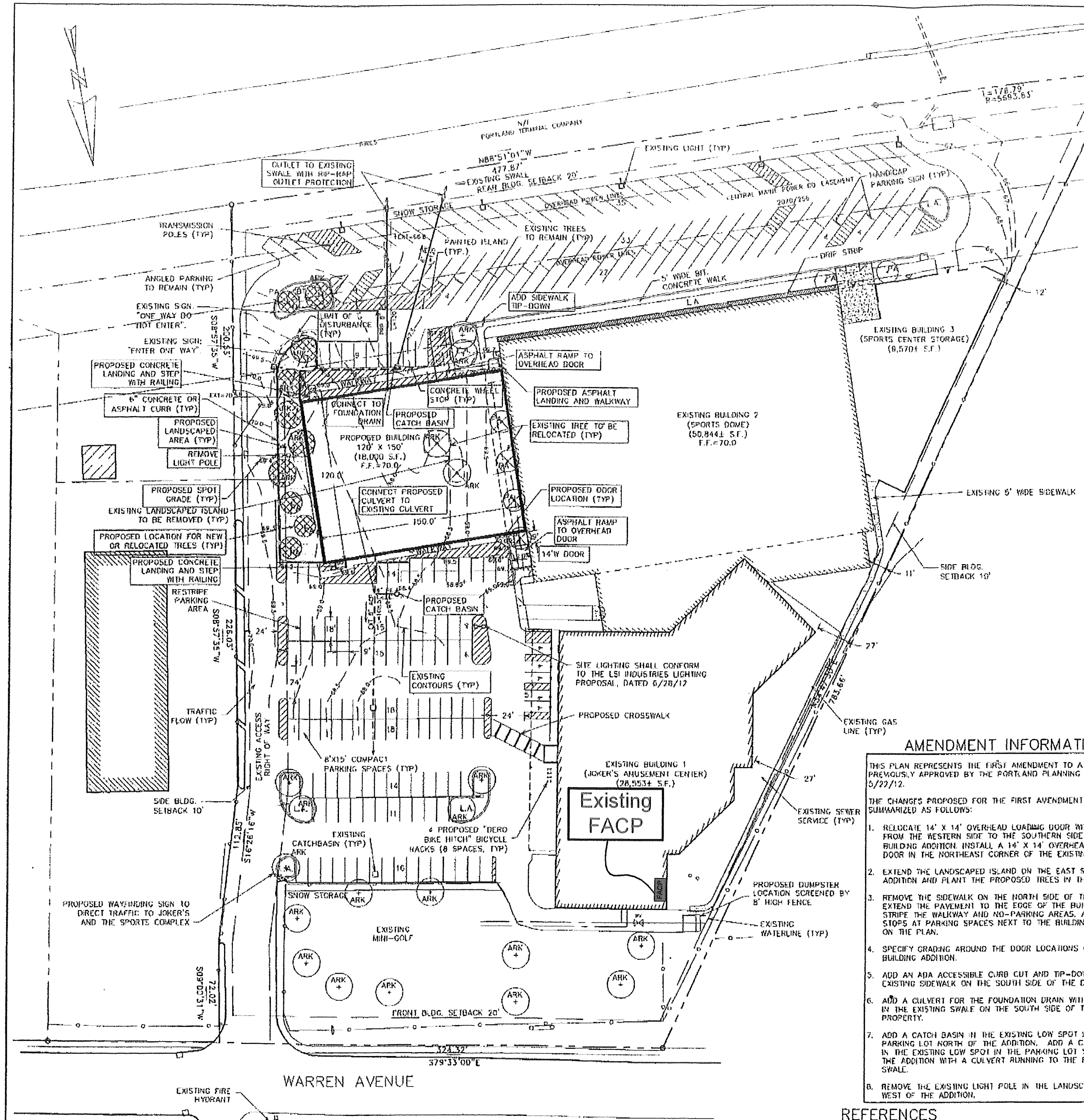
Robin Russell, Certified Engineering Technician, NICET Cert. # 110826

-	10 Manuel Drive, Portland, Maine 04103 (207) 347-5327	3/2612	-

Portland Sports Complex Addition Riser



Protection 1 SECURITY SOLUTIONS	Robin Russell, Certified Engineering Technician, NICET Cert. # 110826		
-	10 Manuel Drive, Portland, Maine 04103 (207) 347-5327	10/8/12	-



AMENDMENT INFORMATION

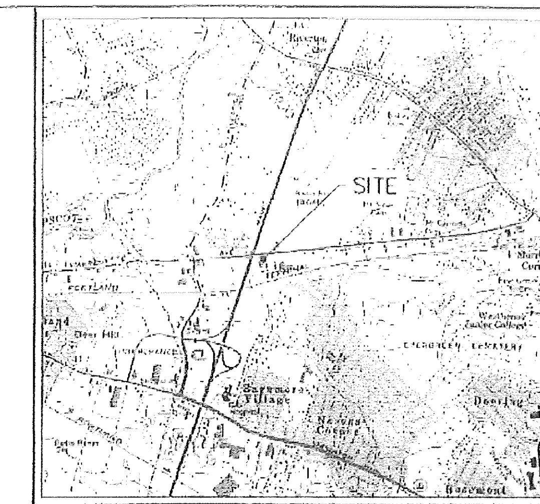
THIS PLAN REPRESENTS THE FIRST AMENDMENT TO A SITE PLAN PREVIOUSLY APPROVED BY THE PORTLAND PLANNING BOARD ON 5/22/12.

THE CHANGES PROPOSED FOR THE FIRST AMENDMENT ARE SUMMARIZED AS FOLLOWS:

1. RELOCATE 14' X 14' OVERHEAD LOADING DOOR WITH RAMP FROM THE WESTERN SIDE TO THE SOUTHERN SIDE OF THE BUILDING ADDITION. INSTALL A 14' X 14' OVERHEAD LOADING DOOR IN THE NORTHEAST CORNER OF THE EXISTING DOME.
2. EXTEND THE LANDSCAPED ISLAND ON THE EAST SIDE OF THE ADDITION AND PLANT THE PROPOSED TREES IN THIS ISLAND
3. REMOVE THE SIDEWALK ON THE NORTH SIDE OF THE ADDITION, EXTEND THE PAVEMENT TO THE EDGE OF THE BUILDING AND STRIPE THE WALKWAY AND NO-PARKING AREAS. ADD CURB STOPS AT PARKING SPACES NEXT TO THE BUILDING AS SHOWN ON THE PLAN.
4. SPECIFY GRADING AROUND THE DOOR LOCATIONS OF THE BUILDING ADDITION.
5. ADD AN ADA ACCESSIBLE CURB CUT AND TIP-DOWN TO THE EXISTING SIDEWALK ON THE SOUTH SIDE OF THE DOME.
6. ADD A CULVERT FOR THE FOUNDATION DRAIN WITH AN OUTLET IN THE EXISTING SWALE ON THE SOUTH SIDE OF THE PROPERTY.
7. ADD A CATCH BASIN IN THE EXISTING LOW SPOT IN THE PARKING LOT NORTH OF THE ADDITION. ADD A CATCH BASIN IN THE EXISTING LOW SPOT IN THE PARKING LOT SOUTH OF THE ADDITION WITH A CULVERT RUNNING TO THE PARKING LOT SWALE.
8. REMOVE THE EXISTING LIGHT POLE IN THE LANDSCAPED AREA WEST OF THE ADDITION.

LEGEND

EXT. UTILITY POLE	
EXT. WATER	———
EXT. SEWER	——SS——
EXT. GAS	—GAS—GAS—
EXT. OVERHEAD UTIL	——OE——
EXT. UNDERGROUND UTIL	——UE——
EXT. DRAIN	□
WATER VALVE	⋈
LIGHT POLE	
SILTATION FENCE	——x——
PROPOSED 6" CONCRETE CURB	━━━
EXISTING TREE	○
PROPOSED RELOCATED TREE	⊗



LOCATION MAP
APPROXIMATE SCALE: 1"=2000'

GENERAL NOTES

1. THIS PLAN AN AMENDMENT DETAILING FIELD CHANGES TO THE SITE PLAN FOR A PROPOSED ATHLETIC TRAINING FACILITY ASSOCIATED WITH THE EXISTING PORTLAND SPORTS CENTER IN PORTLAND, MAINE, APPROVED BY THE PLANNING BOARD MAY 22, 2012 AND LISTED AS REFERENCE 4. THE SITE IS LOCATED AT 550 WARREN AVENUE AND IS IDENTIFIED ON THE CITY OF PORTLAND TAX ASSESSOR'S MAP 271, BLOCK A, LOT 2, UNITS 1, 2, AND 3. THE SITE TOTALS APPROXIMATELY 7.16 ACRES IN AREA WITH 324' OF STREET FRONTAGE ON WARREN AVENUE.

2. THE PROPOSED BUILDING (18,000 SF FOOTPRINT) WILL BE AN ATHLETIC TRAINING FACILITY DOME FOR PORTLAND SPORTS CENTER.

3. THE PARCEL IS LOCATED IN THE B-4: COMMERCIAL CORRIDOR ZONE. DISTRICT REQUIREMENT ARE AS FOLLOWS:
MIN LOT SIZE = 10,000 S.F.
MIN STREET FRONTAGE = 60'
MIN FRONT YARD = 20'
MIN REAR YARD = 20'
MIN SIDE YARD = 10' (1 OR 2 STORIES), OR 12' (3 OR MORE STORIES)
MIN LOT WIDTH = 60'
MAX BUILDING HEIGHT = UP TO 90' IF SETBACKS ARE INCREASED BY 1 FOOT FOR EACH FOOT OF HEIGHT ABOVE 65'.

4. MAXIMUM IMPERVIOUS SURFACE RATIO ALLOWED IS 80% IN THE B-4: COMMERCIAL CORRIDOR ZONE. COVERAGE CALCULATIONS ARE AS FOLLOWS:
EXISTING IMPERVIOUS AREA = 235,663 S.F. (REF. 1)
APPROVED IMPERVIOUS AREA = 234,810 S.F. (REF. 4)
AMENDED IMPERVIOUS AREA = 234,715 S.F.
234,715 SF / 311,963 SF = 75.2%, WHICH MEETS THE ALLOWABLE 80% IMPERVIOUS SURFACE RATIO.

5. MAXIMUM FLOOR AREA RATIO ALLOWED IS 0.65. FLOOR AREA RATIO CALCULATIONS FOLLOW.
EXISTING FLOOR AREA = 98,235 S.F. (REF. 1)
ADDITIONAL PROPOSED FLOOR AREA = 18,000 S.F.
(98,235+18,000) S.F. / 311,963 S.F. = 0.373, WHICH MEETS THE ALLOWABLE 0.65 FLOOR AREA RATIO.

6. EXISTING PARKING IS CALCULATED AS FOLLOWS:
UNIT 1 - JOKERS: 28,553 S.F. RETAIL SPACE:
(1/200 S.F., IN EXCESS OF 2,000 S.F.) = 133 SPACES
UNIT 2 - PORTLAND SPORTS CENTER: 50,844 S.F. NON-RETAIL BUSINESS:
(1/1,000 S.F.) = 51 SPACES
UNIT 3 - PORTLAND SPORTS CENTER WAREHOUSE: 9,570 S.F. NON-RETAIL BUILDING:
(1/1,000 S.F.) = 10 SPACES
TOTAL = 194 SPACES

THERE ARE 272 EXISTING SPACES ON SITE.

REQUIRED PROPOSED PARKING IS CALCULATED AS FOLLOWS:
EXISTING REQUIRED PARKING = 194 SPACES
PROPOSED PORTLAND SPORTS CENTER DOME: 18,000 S.F. NON-RETAIL BUSINESS:
(1/1,000 S.F.) = 18 SPACES
TOTAL = 212 SPACES

227 PARKING SPACES WERE PROPOSED ON THE APPROVED PLAN. THE AMENDED PLAN PROVIDES 227 PROPOSED PARKING SPACES, OF WHICH 42 ARE COMPACT PARKING SPACES (18.5% OF AN ALLOWABLE 20%) AND 10 (4%) ARE A.D.A. ACCESSIBLE.

7. BASED ON THE 227 PROPOSED PARKING SPACES, 27 BICYCLE PARKING PLACES ARE REQUIRED (2 BICYCLE SPACES / 10 VEHICLE SPACES FOR THE FIRST 100 VEHICLE SPACES, PLUS 1 BICYCLE SPACE / 20 VEHICLE SPACES OVER 100 VEHICLE SPACES = 2*100/10 + 1*127/20 = 26.4 BICYCLE SPACES). A WAIVER FROM SECTION 14-526A.4.B REGARDING BICYCLE PARKING WAS APPROVED AT THE MAY 22, 2012 PLANNING BOARD MEETING. THE BOARD REDUCED THE BICYCLE PARKING REQUIREMENT TO 8 BICYCLE SPACES. 8 BICYCLE PARKING PLACES ARE PROVIDED ON 4 "DERO BIKE HITCH" BICYCLE RACKS, IN ACCORDANCE WITH SECTION 1.15 IN THE CITY OF PORTLAND TECHNICAL MANUAL.

8. BOUNDARY INFORMATION WAS TAKEN FROM REFERENCE 1.

9. EXISTING CONDITIONS, TOPOGRAPHIC INFORMATION AND EXISTING SPOT GRADES WERE TAKEN FROM REFERENCE 3.

10. WATER AND SEWER SERVICE IS PROVIDED TO THE SITE BY THE PORTLAND WATER DISTRICT. WATER AND SEWER IMPROVEMENTS SHALL BE INSTALLED IN ACCORDANCE WITH RESPECTIVE DISTRICT REQUIREMENTS.

11. THE CONTRACTOR MUST CONTACT DIG SAFE AND ALL LOCAL UTILITIES PRIOR TO THE START OF CONSTRUCTION TO VERIFY THE LOCATION OF EXISTING SUBSURFACE UTILITIES AND CONDITIONS. LOCATING AND PROTECTING ANY UNDERGROUND OR ABOVE GROUND UTILITY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

12. FIRE SAFETY: THE PROPOSED BUILDING WILL BE AN INDOOR ATHLETIC FIELD (CLASSIFIED BY IBC AS A GYMNASIUM, A-3 ASSEMBLY). IT IS A 34' TALL, 18,000 S.F. ONE-STORY STEEL BUILDING. THE PROPOSED BUILDING HAS 6 EMERGENCY EXITS, AND IS SPRINKLED. THE PROPOSED BUILDING IS AN ADDITION TO THE EXISTING 54' TALL SPORTS DOME.

13. THE LANDSCAPED AREAS (L.A.) ON THE PLAN ARE TO BE FRESHENED UP AND THE SWALE AT THE SOUTHERN PROPERTY LINE AND DIRT/GRASSED AREA AT THE SOUTHWEST CORNER OF THE PROPERTY LINE ARE TO BE RESTORED CONSISTENT WITH THE 2003 APPROVED SITE PLAN (REFERENCE 1). THE BARBERRY BUSH IS TO BE REMOVED AND REPLACED WITH TREES (SEE LANDSCAPING PLAN, SHEET 4).

14. ALL CONCERTS SHALL BE HELD INSIDE THE FACILITY. THE FACILITY WILL COMPLY WITH THE NOISE STANDARD OF THE B-4 ZONE (SECTION 14-229.15.B).

15. THE ON-SITE CATCH BASIN IMMEDIATELY DOWNSTREAM FROM THE AREA OF CONSTRUCTION SHALL HAVE INLET PROTECTION. INLET PROTECTION SHALL BE SILTSACK TYPE A BY ACF ENVIRONMENTAL OR AN APPROVED EQUAL IN ACCORDANCE WITH THE MAINE EROSION AND SEDIMENT CONTROL BMP MANUAL: B-3 STORMDRAIN INLET PROTECTION.

APPLICANT/OWNER OF RECORD: JIM GRATTELO
PORTLAND SPORTS REALTY, LLC
550 WARREN AVE
PORTLAND, ME 04103
(207) 205-0705

BUILDING DESIGN: SEACOAST CRANE & BUILDING CO., INC.
P.O. BOX 540 :: 98 ROUTE 236
KITTERY, MAINE 03904
(207) 439-5899

STATE OF MAINE
YORK COUNTY ss. REGISTRY OF DEEDS
RECEIVED________, 20__
AT__h.__m.__M. AND RECORDED IN
PLAN BOOK_____, PAGE_____
ATTEST____________REGISTER

REFERENCES

1. "SITE PLAN - PORTLAND SPORTS CENTER - 512 WARREN AVENUE, PORTLAND, MAINE" FOR DESTEFANO & ASSOCIATES, INC. 2456 LAFAYETTE ROAD, PORTSMOUTH, NH 03801, BY SYTDESIGN CONSULTANTS, DATED APRIL 2003, REVISION A, DATED 6-5-03.

2. "CONDOMINIUM PLAN (UPDATED 1/20/05)" - PORTLAND SPORTS CENTER - 512 WARREN AVENUE, PORTLAND, MAINE" FOR PORTLAND SPORTS CENTER, LLC, BY SYTDESIGN CONSULTANTS, DATED SEPTEMBER 2004, REVISION E, DATED 1/20/05.

3. "GRADING, DRAINAGE & EROSION CONTROL PLAN - PORTLAND SPORTS CENTER - 512 WARREN AVENUE, PORTLAND, MAINE" FOR DESTEFANO & ASSOCIATES, INC. 2456 LAFAYETTE ROAD, PORTSMOUTH, NH 03801, BY SYTDESIGN CONSULTANTS, DATED APRIL 2003, REVISION 3, DATED 8-18-03.

4. "SITE PLAN - PORTLAND SPORTS CENTER - WARREN AVENUE, PORTLAND, MAINE" FOR JIM GRATTELO, PORTLAND SPORTS REALTY, LLC, 550 WARREN AVE, PORTLAND, MAINE 04103, BY ATTAR ENGINEERING, INC. DATED 4/19/12, REVISION D, DATED 8/17/12.

NO	DESCRIPTION	DATE
A	CITY REVIEW REVISIONS	9/27/12

REVISIONS

SITE PLAN AMENDMENT
PORTLAND SPORTS CENTER
WARREN AVENUE PORTLAND, MAINE

FOR: JIM GRATTELO
PORTLAND SPORTS REALTY, LLC
550 WARREN AVE
PORTLAND, MAINE 04103

ATTAR ENGINEERING, INC.
CIVIL ◆ STRUCTURAL ◆ MARINE
1284 STATE ROAD - ELIOT, MAINE 03903
PHONE: (207)439-6023 FAX: (207)439-2128

SCALE: 1" = 40'	APPROVED BY:	DRAWN BY: EAB
DATE: 9/7/12		REVISION : DATE A : 9/27/12
JOB NO: C089-12	CAD FILE: DOME SITE AMD	SHEET 1 OF