

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



CITY OF PORTLAND BUILDING PERMIT

This is to certify that E.S. BOULOS COMPANY
of 45 Bradley Dr, Westbrook, ME 04092

Located At 947 WESTBROOK ST
Portland International Jetport Terminal Building

Job ID: 2011-06-1459-FAFS

CBL: 199 - - A - 001 - 002 - - - -

has permission to install a Master box fire alarm system
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



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: 2011-06-1459-FAFS
Installation of a Master box fire alarm system

For installation at:
947 WESTBROOK ST

CBL: 199 - - A - 001 - 002 - - - -

Conditions of Approval:

Job specific conditions:

All fire alarm device labeling shall be verified to correspond with the final installation.

Annunciation shall indicate Floor, Room, device type and id.

Fire shutter control shall be by groups. Two detectors on each side of a group of fire shutters shall close all shutters in the group with any two of the four detectors in alarm. A plan for manual control to close the fire shutters shall be approved by the Fire Prevention Bureau for emergency override and crowd control in an alarm/emergency event. In the event the plan for manual control is not adequate, shutter control shall be reprogrammed to operate as subsequently required by the Fire Prevention Bureau.

An AES master box is required as follows:

Zone 1: East Terminal Water Flow; Zone 2: City Disconnect; Zone 3: East Terminal pulls and detectors; Zone 4: West Terminal Water Flow; Zone 5: West Terminal pulls and detectors; Zone 8: AES tamper

Zones 1,3,4, and 5 shall have individual City Disconnect. The FACP and annunciators shall indicate "City Disconnect: East Terminal Water Flow" or the appropriate zone in disconnect.

Evacuation zones shall be East Terminal and West Terminal. Each zone shall have a full function annunciator, revolving red light and Knox Box at the fire department access point for that zone as approved by the Fire Prevention Bureau.

The Com Center shall have a hardwired fire fighter phone due to the elevator phones being routed to that location.

Records cabinet and all fire alarm equipment shall be keyed alike.

Delayed egress locks shall comply with NFPA 101-2009 edition.

All levels at grade shall be designated Floor 1. The upper level in the existing terminal and middle level at the new terminal shall be designated Floor 2. The upper level in the new terminal shall be designated Floor 3.

Standard conditions:

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.

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.

Master Box Approval

Applicant: Jesse Klimaytis – E.S. Boulos

Emergency Contact: PWM Comm Center

App Phone #: 207-272-6986

Emergency phone #: 207-756-8310

Building Name: Portland International Jetport

Date of Application: 6/16/11

Building Address: 1001 Westbrook St

Billing Address: 43 Bradley Dr
Westbrook, ME 04092

Occupancy: Assembly
Assembly OL>300, 20 unit apartment building, etc.

Comments:

Applicant completes red box and submits with Fire Alarm Permit

1

FIRE PREVENTION:

Approved

Denied

6 / 23 / 11
Date

B. G. Wallace
Fire Prevention Officer

Zone 1: East Terminal: Water flow

Zone 2: City disconnect

Zone 3: East Terminal: Pulls and detectors

Zone 4: West Terminal: Water flow

Zone 5: West Terminal: Pulls and detectors

Zone 6: Unassigned

Zone 7: Unassigned

Zone 8: AES Tamper switch

Modify City Box response to alarm sounding in CAD: YES NO

2

FIRE ALARM:

Box #: _____

3

ELECTRICAL DIVISION:

Approved

Denied

Box Type: AES Radio Box /
New Other

Test Date: ____ / ____ / ____ In Service Date: ____ / ____ / ____

Fire Alarm Technician

AES

Circuit if applicable: _____

4

FIRE ALARM: Same Running Assignment As Box: _____

Notifications: All Stations Run Books Digitizer Computer Cad Box Test

South Portland _____
Other Dispatcher

5

BILLING:

Entered

Financial Officer

2011 06 1459 66 6/21/11

E.S. Boulos
45 Bradley Dr.
Westbrook ME 04092



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: 1001 WESTBROOK ST CBL: 204 A 001001002

Exact location: (within structure) NEW TERMINAL (WEST)

Type of occupancy(s) (NFPA & ICC): MIXED USE

Building owner: PORTLAND INTERNATIONAL AIRPORT

System Designer (point of contact): ALLAN PRENTISS (NICET CERT #90823)

Designer phone: 978-731-7246 E-mail: aprentisse@simplexgrinnell.com

Installing contractor: E.S. BOULOS COMPANY Certificate of Fitness No: T1026

Contractor phone: 207-464-3706 E-mail: jklmaytise@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:

- 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: 207,000.00

PERMIT FEE: \$2,100.00
(\$10 PER \$1,000 + \$30 FOR THE FIRST \$1,000)

RECEIVED

JUN 17 2011

Dept. of Building Inspections
City of Portland Maine

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 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: [Signature] Date: 6/16/11

City of Portland, Me.



To the Chief Electrical Inspector, Portland Maine:
 The undersigned hereby applies for a permit to make electrical installations
 in accordance with the laws of Maine, the City of Portland Electrical Ordinance,
 National Electrical Code and the following specifications:

Date 6/17/2010

Permit # _____

CBL# _____

LOCATION: 367 Commercial Street METER MAKE & # _____
 CMP ACCOUNT # _____ OWNER CITY OF PORTLAND
 TENANT Portland International Airport PHONE # _____

TOTAL EACH FEE

OUTLETS	Receptacles	Switches	Smoke Detector	
605			.20	121.00
FIXTURES	Incandescent	Fluorescent	Strips	
12	74		.20	157.80
SERVICES	Overhead	Underground	TTL AMPS <800	15.00
	2		>800	25.00
				25.00
Temporary Service	Overhead	Underground	TTL AMPS	25.00
	1		1600	25.00
METERS	2	(number of)		1.00
MOTORS	62	(number of)		2.00
RESID/COM	2	Electric units		1.00
HEATING	2	oil/gas units	Interior	5.00
APPLIANCES	0	Ranges	Cook Tops	2.00
	0	Insta-Hot	Water heaters	2.00
	0	Dryers (COMM)	Disposals	2.00
	3	Compactors	Spa	2.00
	0	Others (denote)		2.00
MISC. (number of)	0	Air Cond/win		3.00
	2	Air Cond/cent		10.00
	4	HVAC	EMS	5.00
	3	Signs		10.00
	0	Alarms/res		5.00
	0	Alarms/com		15.00
	152	Heavy Duty (CRKT)	Vault/ISM	2.00
	0	Circus/Carnv		25.00
	0	Alterations		5.00
	0	Fire Repairs		15.00
	2	E Lights EGO's		1.00
	1	E Generators		20.00
PANELS	2	Service	Remote	4.00
TRANSFORMER	3	0-25 Kva		5.00
	1	25-200 Kva		8.00
	2	Over 200 Kva		10.00
TOTAL AMOUNT DUE				132.00
MINIMUM FEE/COMMERCIAL 55.00				MINIMUM FEE 45.00

Cmp acc #
 MDP-A
 441-184-1717
 MDP-B
 441-182-0572

CONTRACTORS NAME E.S. Services Corporation MASTER LIC. # M. 0001635
 ADDRESS 45 Commercial Street, Portland, ME 04103 LIMITED LIC. # _____
 TELEPHONE 207-551-7700

SIGNATURE OF CONTRACTOR _____
 White Copy - Office • Yellow Copy - Applicant



CITY OF PORTLAND, MAINE

Department of Building Inspections

Original Receipt

Date 6/1/10

Permit # _____

CBL# 100-1-10

June 2 2010

received from E S Bowles Company

Location of Work 947 Westbrook St

Cost of Construction \$ _____ Building Fee: _____

Permit Fee \$ _____ Site Fee: _____

Certificate of Occupancy Fee: _____

Total: _____

Building (IL) _____ Plumbing (I5) _____ Electrical (I2) Site Plan (U2) _____

Other _____

CBL: 99 A001007

Check #: 4931 Total Collected \$ 1,322.00

**No work is to be started until permit issued.
Please keep original receipt for your records.**

Taken by: Gayle

WHITE - Applicant's Copy
YELLOW - Office Copy
PINK - Permit Copy

TOTAL EACH FEE		
Detector	.20	20.00
	.20	20.00
IPS <800	15.00	15.00
IPS >800	25.00	25.00
IPS 1-500	25.00	25.00
	25.00	25.00
	1.00	1.00
	2.00	2.00
	1.00	1.00
	5.00	5.00
Ins	2.00	2.00
	2.00	2.00
sher	2.00	2.00
Machine	2.00	2.00
	2.00	2.00
	3.00	3.00
	10.00	10.00
stat	5.00	5.00
	10.00	10.00
	5.00	5.00
	15.00	15.00
	2.00	2.00
	25.00	25.00
	5.00	5.00
	15.00	15.00
	1.00	1.00
	20.00	20.00
	4.00	4.00
	5.00	5.00
	8.00	8.00
	10.00	10.00
TOTAL AMOUNT DUE		4,912.00
MINIMUM FEE/COMMERCIAL 55.00		45.00

TRANSFORMER	3	0-25 Kva						
	12	25-200 Kva						
	2	Over 200 Kva						
							TOTAL AMOUNT DUE	4,912.00
MINIMUM FEE/COMMERCIAL 55.00							MINIMUM FEE	45.00

CONTRACTORS NAME E S Bowles Company MASTER LIC. # ME 100100935
 ADDRESS 45 Bowles Drive Westbrook, ME 04092 LIMITED LIC. # _____
 TELEPHONE 207-465-3706
 SIGNATURE OF CONTRACTOR Gayle

SECTION 28 31 00 - FIRE DETECTION AND ALARM

PART 1 GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 thru 34 Specification Sections, apply to this Section.
- B. Specification Section 271300 – Communications Backbone and Horizontal Cabling

1.2 DESCRIPTION

- A. Existing Condition: The fire alarm system at the Portland International Jetport is a two node SimplexGrinnell 4020 network, consisting of addressable and conventional devices with two annunciator panels.
- B. The contractor shall demolish, and furnish, install equipment, materials, tools, labor, programming, drawings, calculations, testing and provide associated documentation for a complete peer to peer, global annunciation, fiber optic networked fire alarm system with municipal signal transmission of alarms as described by these plans and specifications for the Portland International Jetport expansion and existing facility.
- C. The scope of work shall include the following:
 - 1. One (1) SimplexGrinnell 4100U FACP, associated transponder cabinets, booster power supplies, amplifiers, initiating devices, notification appliances, control and monitor modules and associated relays for building safety interfaces for terminal expansion. Programming, points list and sequence of operation to be approved by the Owner, Engineer and City of Portland Fire Department.
 - 2. One (1) SimplexGrinnell fire command annunciator panel consisting of a InfoAlarm Command Center, fire department communication phone with capacity to hold 6 headsets and paging zone audio module in terminal expansion.
 - 3. Two way fire department communications in terminal expansion with 6 headsets.
 - 4. Two (2) SimplexGrinnell 4100U FACPs for replacement of two existing SimplexGrinnell 4020 FACPs in existing locations. Programming, points list and sequence of operation to remain the same as approved by the Owner, Engineer and City of Portland Fire Department.

5. SimplexGrinnell True Sight Workstation in the existing Operations Communication Center (OCC). New and existing fire sprinkler zones on floor plans shall be shown on the True Sight Workstation. Any condition in the fire system shall be graphically segregated by fire sprinkler zone. New fire sprinkler points shall show alarm condition in the area in which the device serves as well as its physical location.
 6. Addressable strobes with emergency voice evacuation and paging capability in terminal expansion.
 7. SimplexGrinnell remote annunciator replacing existing annunciator in existing terminal.
 8. One Digitize DET-6B indoor masterbox for municipal fire alarm signal transmission adjacent to existing masterboxes. The fire alarm system shall be arranged in a way such that one master box does not serve more than 100,000 square feet of total fire area. Provide additional boxes for any portions that are greater than 100,000 square feet. Program initiating devices, Floor 1-2 of the new building as one zone and Floors 3-5 as another zone on the DET-6 with relays provided by Simplex. This shall be approved by the PFD.
 9. Conduits, fittings, outlets, junction boxes, supports, hangers, wire and cable and other items incidental to and/or required to complete the installation, in accordance with the intent of the drawings and specifications. This shall include wire and conduit required to operate both new and existing equipment during each phase of the work. This shall also include steel supports for conduit, pull boxes, panels and other equipment, as indicated and/or required to complete the installation.
 10. Perform all programming and downloads for the nodes during each phase of the system modification. New and Existing Programming matrix shall be audited by the system manufacturer. Any corrections including changes to the existing NAC pairings for audio and visual shall be made and reflected on the contractor's shop drawings.
- D. Please refer to the project phasing plan and notes for specific criteria for construction sequencing. The contractor shall be responsible for a complete project phasing plan that shall be submitted in the shop drawing package for approval.
- E. Prior to the start of work, the contractor shall survey the existing terminal and all fire alarm equipment in its entirety and perform an initial system functionality test. Documented test results shall be submitted to the engineer for approval. contractor shall be responsible to determine existing points at the existing Fire Alarm Control Panel (FACP) in order to size the new 4100U panel and maintain existing sequence of operation.