

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



CITY OF PORTLAND

BUILDING PERMIT

This is to certify that 2301 CONGRESS REALTY LLC - SFX

Located At 2301 CONGRESS ST

Job ID: 2012-06-4356-ALTCOMM

CBL: 238A- A-004-001

has permission to Renovate lower level offices and upper level storage for tenant SFX, add exterior ramp/entrance canopies provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statutes 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

JMB 7/26/12

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.**

Footings/Setbacks prior to pouring concrete

Close In Elec/Plmb/Frame prior to insulate or gyp

Certificate of Occpancy/Final Inspection

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: 2012-06-4356-ALTCOMM

Located At: 2301 CONGRESS ST

CBL: 238A- A-004-001

Conditions of Approval:

Zoning

1. This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.
2. Separate permits shall be required for any new signage.
3. This I-M zone has maximum noise allowances. The City of Portland strictly enforces the level of sound generated on the property. Any verified noise violations shall require the owner to take mitigating measures to bring the property and the noise it generates into compliance.

Building

1. Application approval based upon information provided by the applicant or design professional. Any deviation from approved plans requires separate review and approval prior to work.
2. All penetrations through rated assemblies must be protected by an approved firestop system installed in accordance with ASTM E 814 or UL 1479, per IBC 2009 Section 713.
3. Equipment shall be installed in compliance with the manufacturer's specifications and the UL listing.
4. Design/build plans for the storage racks shall be submitted to this office for review and the as built record.
5. Separate permits are required for any electrical, plumbing, sprinkler, fire alarm, HVAC systems, heating appliances, including pellet/wood stoves, commercial hood exhaust systems and fuel tanks. Separate plans may need to be submitted for approval as a part of this process.

Fire

1. All construction shall comply with City Code Chapter 10.
2. See also permit 2012-06-4355-ALTCOMM.
3. The new door in the new 60-minute fire rated wall assembly enclosing the bottom of the existing stair shown on plan AA1.0 shall be a 60-minute fire rated assembly (101:8.3.4.2).
4. This permit is being approved on the basis of the plans submitted. Any deviation from the plans would require amendments and approval.
5. Application requires State Fire Marshal approval.
6. Street addresses shall be marked on the structure and shall be as approved by the City E-911 Addressing Officer. Contact Michelle Sweeney at 874-8682 for further information.
7. Any Fire alarm or Sprinkler systems shall be reviewed by a licensed contractor(s) for code compliance. Compliance letters are required.

8. A separate Fire Alarm Permit is required. This review does not include approval of fire alarm system design or installation.
9. 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.
10. 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.
11. All fire alarm records required by NFPA 72 should be stored in an approved cabinet located at the FACP labeled "FIRE ALARM RECORDS".
12. Records cabinet, FACP, annunciator(s), and pull stations shall be keyed alike.
13. All smoke detectors and smoke alarms shall be photoelectric.
14. The sprinkler system shall be installed in accordance with NFPA 13.
15. A separate Suppression System Permit is required. This review does not include approval of sprinkler system design or installation.
16. Sprinkler supervision shall be provided in accordance with NFPA 101, *Life Safety Code*, and NFPA 72, *National Fire Alarm and Signaling Code*.
17. Sprinkler protection shall be maintained. Where the system is to be shut down for maintenance or repair, the system shall be checked at the end of each day to insure the system has been placed back in service.
18. The Fire Department will require Knox locking caps on all Fire Department Connections on the exterior of the building.
19. System acceptance and commissioning must be coordinated with alarm and suppression system contractors and the Fire Department. Call 874-8703 to schedule.
20. A Knox Box is required.
21. A firefighter Building Marking Sign is required.
22. Private fire mains and fire hydrants shall be maintained, tested and painted in accordance with Fire Department Regulations.
23. Fire extinguishers are required per NFPA 1.
24. Occupancies with an occupant load of 100 persons or more require panic hardware on all doors serving as a means of egress.
25. Emergency lights and exit signs are required. Emergency lights and exit signs are required to be labeled in relation to the panel and circuit and on the same circuit as the lighting for the area they serve.
26. Any cutting and welding done will require a Hot Work Permit from Fire Department.
27. Walls in structure are to be labeled according to fire resistance rating. IE; 1 hr. / 2 hr. / smoke proof.
28. A single source supplier should be used for all through penetrations.
29. Non-combustible construction of this structure requires all construction to be Non-combustible.

City of Portland, Maine - Building or Use Permit Application

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

Job No: 2012-06-4356-ALTCOMM	Date Applied: 6/28/2012	CBL: 238A- A-004-001	
Location of Construction: 2301 CONGRESS ST SFX	Owner Name: 2301 CONGRESS REALTY LLC	Owner Address: 2301 CONGRESS ST PORTLAND, ME 04102	Phone:
Business Name: SFX	Contractor Name: 2301 CONGRESS REALTY LLC	Contractor Address: 20 MECHANIC ST GORHAM MAINE 04038	Phone: (207) 839-2744
Lessee/Buyer's Name:	Phone:	Permit Type: BLDG	Zone: I-M
Past Use: Warehouse	Proposed Use: Same: Warehouse - to renovate space as per plans	Cost of Work: \$250,000.00	CEO District:
		Fire Dept: 7/26/12 Signature: <i>[Signature]</i> (58)	Inspection: Use Group: B/S Type: 2B IBC 2009 Signature: <i>[Signature]</i>
Proposed Project Description: renovate warehouse space		Pedestrian Activities District (P.A.D.) 7/23/12	
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 checked="" type="checkbox"/> Site Plan <i>Admin Author.</i> 2012-529</p> <p><input type="checkbox"/> Maj <input type="checkbox"/> Min <input type="checkbox"/> MM</p> <p>Date: <i>OK with conditions</i> 6/29/12</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 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>
	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 applicable to such permit.

SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE		DATE	PHONE

- 7-30-12 DWM Dave Ramp walls + ~~Bathrooms under slab~~
- 8-8-12 DWM Len 772-5203 Plumb + Framing OK Lower level
- 8-31-12 DWM Aaron 615-9803 Above ceiling OK Reviewed
Guardrail at exterior stairs.
- 9-7-12 DWM/BKL/Captain Pirone Aaron Final elec Fair

Entered 208

2012 06 4356



General Building Permit Application

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

Location/Address of Construction: <u>2301 Congress Street / SFX</u>		
Total Square Footage of Proposed Structure/Area <u>63,069 SF</u>		Square Footage of Lot <u>Lot is existing</u>
Tax Assessor's Chart, Block & Lot Chart# Block# Lot# <u>238 A A 004</u>	Applicant * <u>must be owner, Lessee or Buyer</u> * Name <u>Great Falls Construction</u> Address <u>20 Mechanic St</u> City, State & Zip <u>Gorham, ME 04038</u>	Telephone: <u>207-934-2744</u>
Lessee/DBA (If Applicable) RECEIVED <u>JUN 28 2012 SFX</u> Dept. of Building Inspections City of Portland Maine	Owner (if different from Applicant) Name _____ Address _____ City, State & Zip _____	Cost Of Work: \$ <u>250,000</u> C of O Fee: \$ _____ Total Fee: \$ _____
Current legal use (i.e. single family) <u>OFFICE SPACE, WAREHOUSE</u> If vacant, what was the previous use? <u>OFFICE SPACE, WAREHOUSE</u> Proposed Specific use: <u>OFFICE SPACE, WAREHOUSE</u> Is property part of a subdivision? <u>NO</u> If yes, please name _____ Project description: <u>Renovate space for office use. modify window openings.</u>		
Contractor's name: <u>Great Falls Construction</u> Address: <u>20 Mechanic St</u> City, State & Zip <u>Gorham, ME 04038</u> Telephone: <u>207-839-2744</u> Who should we contact when the permit is ready: <u>Aaron Bourassa</u> Telephone: <u>207-615-9803</u> Mailing address: <u>20 Mechanic St, Gorham, ME 04038</u>		

See also permit for Annex

Please submit all of the information outlined on the applicable Checklist. Failure to do so will result in the automatic denial of your permit.

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information or to download copies of this form and other applications visit the Inspections Division on-line at www.portlandmaine.gov, or stop by the Inspections Division office, room 315 City Hall or call 874-8703.

I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature: [Signature] Date: 6/27/12

This is not a permit; you may not commence ANY work until the permit is issue

RECEIVED

JUL 18 2012

Dept. of Building Inspections
City of Portland Maine



STATE OF MAINE - DEPARTMENT OF PUBLIC SAFETY
OFFICE OF STATE FIRE MARSHAL
45 COMMERCE DR STE 1
AUGUSTA, ME 04333-0001

SFX

Construction Permit

No.20817

In accordance with the provisions of M.R.S.A. Title 25, Chapter 317, Sec.317 and Title 5, Section 4594-F, permission is hereby granted to construct or alter the following referenced building according to the plans hitherto filed with the Commissioner and now approved. No departure from application form/plans shall be made without prior approval in writing. Nothing herein shall excuse the holder of this permit for failure to comply with local ordinances, zoning laws, or other pertinent legal restrictions.

Each permit issued shall be displayed at the site of construction.

Building: 2301 CONGRESS STREET
Location: 2301 CONGRESS ST, PORTLAND, ME 04102-1907
Owner: 2301 CONGRESS STREET
Owner Address: 2301 CONGRESS ST, PORTLAND, ME 04102-1907

Occupancy Type: Storage
Secondary Use: Business
Use Layout: Separated Use
Supervised Sprinkler System
Monitored Fire Alarm System
Barrier Free
Construction Mode: Renovation
Unprotected Noncombustable: Type II (000)
Final Number of Stories: 2

Permit Date: 06/28/2012 **Expiration Date:** 12/27/2012

COMMISSIONER OF PUBLIC SAFETY



June 18, 2012
12153

Ms. Barbara Barhydt
City of Portland Planning Division
389 Congress Street
Portland, Maine 04101

MPX Site 2301 Congress Street
Administrative Authorization Site Plan

Dear Barbara:

On behalf of MPX Printing Services (MPX) and Great Falls Construction, we are pleased to submit the enclosed Site Plans and an Application for Administrative Authorization for improvements to an existing commercial building site at 2275 Congress Street.

MPX is currently completing interior renovation to its existing printing facility at 2301 Congress Street. As part of that work, the applicant plans to construct a new handicap accessible ramp to replace an existing non-accessible stairway at the rear of the building. The applicant also intends to construct minor site improvements including reconstructing an existing brick sidewalk plaza to include a new handicap accessible tipdown, straightening a curb line and re-stripping pavement to define three handicap accessible spaces.

Additional minor site maintenance includes re-grading an existing grass swale to correct a condition where runoff from a Congress Street culvert diverts away from an existing roadside swale onto the site's front lawn. It appears that the placement of loam/seed or sod in an existing roadside culvert outlet has caused runoff from the existing culvert to run across the applicant's lawn, instead of following an existing swale to an existing driveway culvert. The work will re-establish flow to the site's driveway culvert.

We have enclosed an Application for Administrative Authorization in accordance with Section 14-523(c) of the Land Use Ordinance (the Ordinance). The following items summarize the proposed projects conformance with applicable standards of 14-523 (c)

- 1. The proposed development will be located within existing structures, and there will be no new buildings, external demolitions, or building additions other than those permitted by subsection 2 of this subsection;*

There are no new building additions. The work is comprised of an exterior handicap accessible ramp and minor building entrance renovations and site improvements. There are no external building demolitions proposed.

2. *Any building addition shall have a new building footprint expansion of less than five hundred (500) square feet;*

No building expansion is proposed.

The proposed handicap ramp and replacement stairway has a footprint of less than 500 square feet.

3. *The proposed site plan does not add any new curb cuts, driveways, or parking areas; the existing site has no more than one (1) curb cut and will not disrupt the circulation flows and parking on-site; and there will be no drive-through services provided;*

The proposed site plan does not add any new curb cuts, driveways, or parking areas; the existing and proposed site has one (1) curb cut and the proposed improvements will not disrupt the circulation flows and parking on-site; and there will be no drive-through services provided;

No new curb cuts, driveways or new parking areas are proposed. The project does not add curb cuts and site circulation is not altered. There are no drive-through services.

The total area of new parking is pavement and is less than 500 square feet.

4. *The curbs and sidewalks adjacent to the lot are complete and in sound condition, as determined by the Public Services Authority, with granite curb with at least four-inch reveal, and sidewalks are in good repair with uniform material and level surface and meet accessibility requirements of the Americans with Disabilities Act;*

The granite curb, a bituminous sidewalk along the site frontage, is complete and in good repair.

5. *The use does not require additional or reduce existing parking, either on or off the site, and the project does not significantly increase traffic generation;*

No change in use is proposed. Therefore, there is no anticipated increase in traffic generation.

6. *There are no known stormwater impacts from the proposed use or any existing deficient conditions of stormwater management on the site;*

There will be no measurable impact to the site's stormwater runoff conditions as a result of the project. The proposed improvements will result in a net increase in impervious area of approximately 150 square feet.

The proposed grading at the front of the site is limited to maintenance of an existing drainage swale.

7. *There are no evident deficiencies in existing screening from adjoining properties;*

There are no evident deficiencies in existing screening from adjoining properties.

8. *Existing utility connections are adequate to serve the proposed development and there will be no disturbance to or improvements within the proposed right-of-way;*

There is no proposed change of use and no changes to the building's utility demand or services.

9. *There are no current zoning violations;*

We are unaware of any zoning violations.

10. *Any emergency generators are to be located to minimize noise impacts to adjoining properties and documentation that routine testing of the generators occur on weekdays between the hours of 9 a.m. to 5 p.m.*

The emergency generator, to be located at the rear of the site, will be installed in a sound attenuating enclosure will be tested on weekdays between 9 a.m. to 5 p.m.

11. *Documentation pertaining to the noise impacts of the emergency generator shall be submitted; and there are no anticipated noise, vibration, glare, fumes or other foreseeable impacts associated with the project.*

Manufacturer's information for the proposed generator is attached. We do not anticipate any noise, glare, fumes or other impacts associated with the project.

Please call if you have any questions regarding our review of this application.

Sincerely,

SEBAGO TECHNICS, INC.



Daniel L. Riley, P.E.
Senior Project Manager

DLR/dlr:kn
Enc.



Administrative Authorization Application

Portland, Maine

Planning and Urban Development Department, Planning Division

PROJECT NAME: MPX Printing Handicap Ramp
PROJECT ADDRESS: 2301 Congress Street CHART/BLOCK/LOT: 238A 004 001
APPLICATION FEE: \$50 (\$50.00)

PROJECT DESCRIPTION: (Please Attach Sketch/Plan of the Proposal/Development)

Exterior Ramp and minor Site improvements, see attached letter

CONTACT INFORMATION:

OWNER/APPLICANT

Name: 2301 Congress St. Realty, LLC
Address: P.O. Box 3889
Portland, ME 04104
Work #: 207-619-6901
Cell #: 207-712-2468
Fax #: 866-236-9163
Home #: 207-781-8226
E-mail: rwillis@mpxonline.com

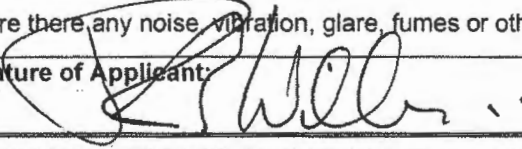
CONSULTANT/AGENT

Name: Sebago Technics, Inc (Dan Riley)
Address: 75 John Roberts Road Suite 1A
South Portland, ME 04106
Work #: 200-2080
Cell #: 615-7912
Fax #: 856-2206
Home #: _____
E-mail: driley@sebagotechnics.com

Criteria for an Administrative Authorization:
(see section 14-523(4) on pg .2 of this appl.)

Applicant's Assessment
Y(yes), N(no), N/A

- | | |
|---|------------|
| a) Is the proposal within existing structures? | <u>No</u> |
| b) Are there any new buildings, additions, or demolitions? | <u>No</u> |
| c) Is the footprint increase less than 500 sq. ft.? | <u>Yes</u> |
| d) Are there any new curb cuts, driveways or parking areas? | <u>No</u> |
| e) Are the curbs and sidewalks in sound condition? | <u>Yes</u> |
| f) Do the curbs and sidewalks comply with ADA? | <u>Yes</u> |
| g) Is there any additional parking? | <u>No</u> |
| h) Is there an increase in traffic? | <u>No</u> |
| i) Are there any known stormwater problems? | <u>No</u> |
| j) Does sufficient property screening exist? | <u>Yes</u> |
| k) Are there adequate utilities? | <u>Yes</u> |
| l) Are there any zoning violations? | <u>No</u> |
| m) Is an emergency generator located to minimize noise? | <u>Yes</u> |
| n) Are there any noise, vibration, glare, fumes or other impacts? | <u>No</u> |

Signature of Applicant: 

Date:

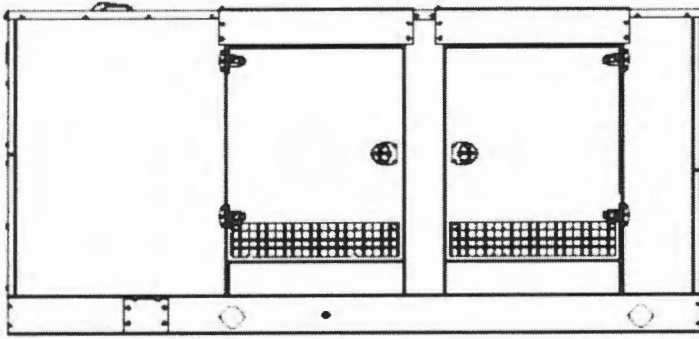
06/19/2012

IMPORTANT NOTICE TO APPLICANT: The granting of an Administrative Authorization to exempt a development from site plan review does not exempt this proposal from other required approvals or permits, nor is it an authorization for construction. You should first check with the Building Inspections Office, Room 315, City Hall (207)874-8703, to determine what other City permits, such as a building permit, will be required.



KOHLER POWER SYSTEMS

9001
KOHLER
POWER SYSTEMS
NATIONALLY REGISTERED

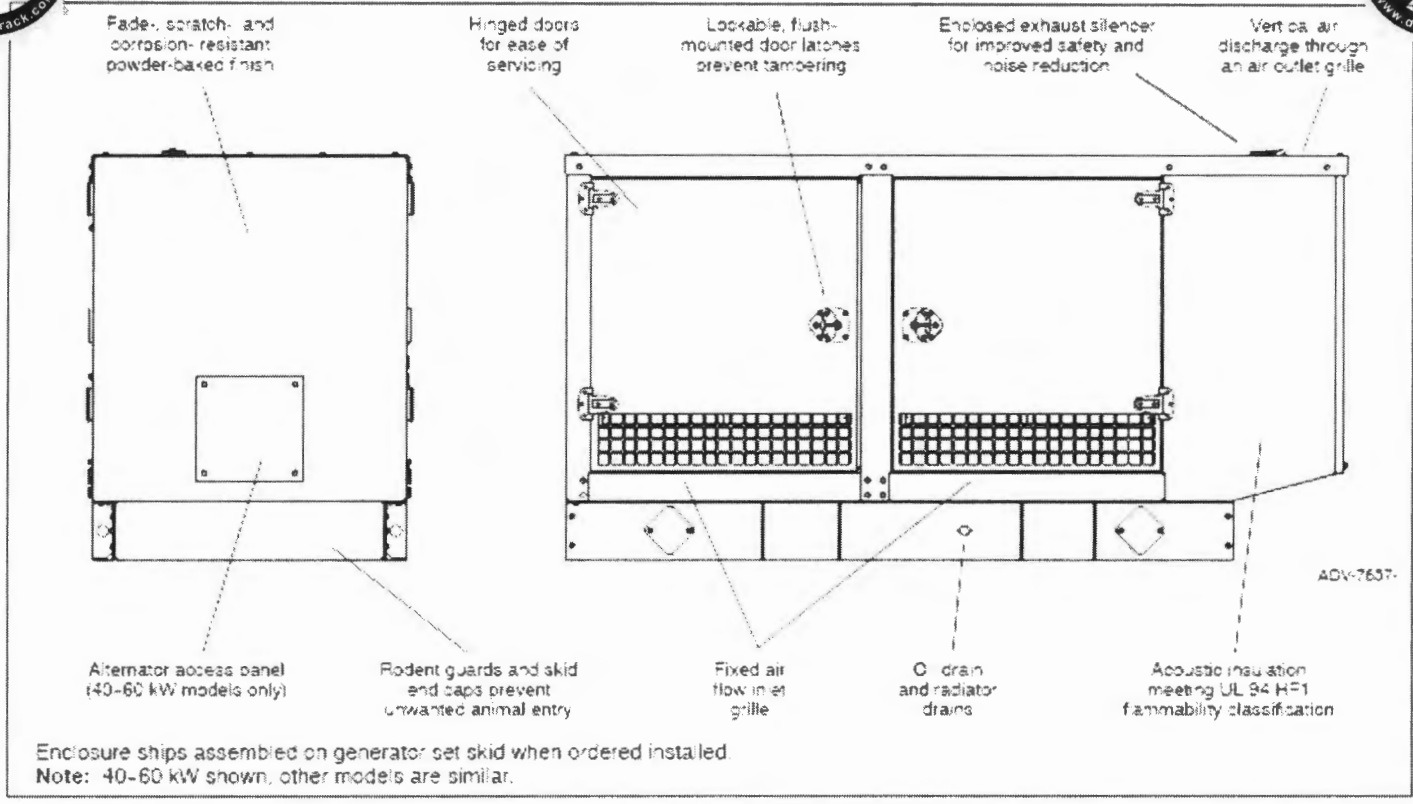


Sound Enclosure Standard Features

- Internal-mounted critical silencer and flexible exhaust connector.
- Skid-mounted, steel construction with hinged doors.
- Fade-, scratch-, and corrosion-resistant Kohler® cream beige and black powder-baked finish.
- Lockable, flush-mounted door latches.
- Vertical air inlet and outlet hoods with 90 degree angles to redirect air and reduce noise.
- High wind bracing, 241 kph (150 mph).
- Skid-mounted, steel construction with hinged doors.
- Acoustic insulation that meets UL 94 HF1 flammability classification and repels moisture absorption.
- Sound attenuated enclosure that uses up to 25 mm (1 in.) of acoustic insulation, acoustic-lined air inlet hoods, and acoustic-lined air discharge hood.



Sound Enclosure, continued



Sound Enclosure Features

- Available in steel (14 gauge) formed panel, solid construction. Preassembled package offering corrosion resistant, dent resilient structure that mounts directly to lift base or fuel tank.
- Powder-baked paint. Superior finish, durability, and appearance.
- Internal critical exhaust silencer offering maximum component life and operator safety.
- Interchangeable modular panel construction. Allows complete serviceability or replacement without compromising enclosure design.
- Cooling/combustion air intake with a horizontal air inlet. Sized for maximum cooling airflow.
- Service access. Multi-personnel doors for easy access to generator set control and servicing of the oil fill and battery.
- Cooling air discharge. Weather protective design featuring vertical air discharge outlet grille. Redirects cooling air up and above enclosures to reduce noise ambient.
- The enclosure has a UL listing.
- Attenuated design. Acoustic insulation UL 94 HF1 listed for flame resistance offering up to 25 mm (1 in.) mechanically restrained acoustic insulation.
- Cooling air discharge. The sound enclosures include acoustic insulation with urethane film.

Fuel Tank Capacity, L (gal.)	Est. Fuel Supply Hours at 60 Hz with Full Load	Max. Length, mm (in.)	Max. Width, mm (in.)	Enclosure and Fuel Tank Length, mm (in.)	Enclosure and Fuel Tank Width, mm (in.)	Enclosure and Fuel Tank Weight, kg (lb.)	Enclosure and Fuel Tank Height, mm (in.)	Fuel Tank Height (H), mm (in.)	Sound Pressure at 7m (23ft.), dB(A)	Max. Height, mm (in.)	Weight, kg (lb.)
Lift base	0	3506 (138.0)	1156 (45.5)						74	1697 (66.8)	1866 (4113)

KOHLER POWER SYSTEMS

POWER PRODUCTS SYSTEMS, LLC

432 WARREN AVE / PORTLAND, ME 04103

P: 207-797-5188 F: 207-797-5953

Submittal Package

Job Name: GRAYBAR PORTLAND BOB D.

Proposal: TP-229-12

We are pleased to offer the following submittal for your consideration.
Thank you, Tom Peacock, Power Products

TABLE OF CONTENTS

Section	Sub-Section	Literature
Quote		
Model KSS-DCTA-0600S Spec Sheets		
Model 150REZGB Spec Sheets		
Alternator Data	Alternator Data Sheet	4S13X
Emissions Data	Emissions Data EPA Certificate	Emissions Data EPA Certificate
Dimensional Drawings	Generator Accessories Controller Enclosure Transfer Switch	ADV-7912 ADV-7683 ADV-7935 ADV-7687 ADV-7195
Wiring Schematic Diagrams	Controller Schematic Diagram Controller Wiring Diagram Interconnection Diagram Remote Serial Annunciator Remote Serial Annunciator Transfer Switch Transfer Switch	ADV-7966 GM77413 GM78246 ADV-6990 GM62554 GM46266 GM46288
Misc	Battery Battery Charger Block Heater Block Heater Circuit Breaker Circuit Breaker Flexible Fuel Line	244578 GM28341 326220 GM75566 ADV-5912 X-6305 X-504
Warranty	Warranty Warranty Warranty Warranty	TP-5373 TP-5374 TP-5497 TP-6085
Certification	ISO9001 Certificate Prototype Test Certificate	G15-152 G18-56
Pre-Startup Checklist	Pre-Startup Checklist	PreStartUpCheckList

AUTOMATIC TRANSFER SWITCH

3 Pole, 4 Wire, Solid Neutral, 0600 Amps, Kohler automatic transfer switch, Model MODELK1, rated 208V, 60 Hz, complete with all standard equipment and housed in a NEMA Type 1 enclosure.

Configuration

Qty	Description
1	KSS-DCTA-0600S
1	Warranty, 1 Year Standard
1	Lit Kit, ATS Production, KSS/KSP
1	Warranty - ATS, 2 Year Basic

GENERATOR SET

Model: 150REZGB

This generator set equipped with a 4S13X alternator operating at 120/208 volts is rated for 150 kW/188 kVA.

Output amperage: 520

Configuration

Qty	Description
1	150REZGB Generator Set
1	150REZGB, 8.1L Nat. Gas Fuel
1	Nameplate Rating, Standby 130 Degree
1	Unit Mounted Radiator, 50C
1	Skid & Mounting
1	Air Intake, Standard Duty
1	Fuel Code, Natural Gas
1	Gaseous Fuel Filter
1	Decal, UL2200 (cUL) Listing (Gas)
1	Voltage,60Hz,120/208V,3Ph,4W,0.8PF
1	Alternator, 4S13X
1	Controller, DEC3000 800A , 3Ph
1	Control & Harness DEC3000
1	Accessory Inner Panel
1	Enclosure, Sound Steel
1	Skid Extension
1	Block Heater, 120V, 1800W
1	Battery,1/12V,650CCA,Wet
1	Batt Chgr, Float, 90-120V, 12V-6A

POWER PRODUCTS SYSTEMS, LLC

432 WARREN AVE / PORTLAND, ME 04103

P: 207-797-5188 F: 207-797-5953

Job Name: GRAYBAR PORTLAND BOB

Offer: TP-229-

Version

Page

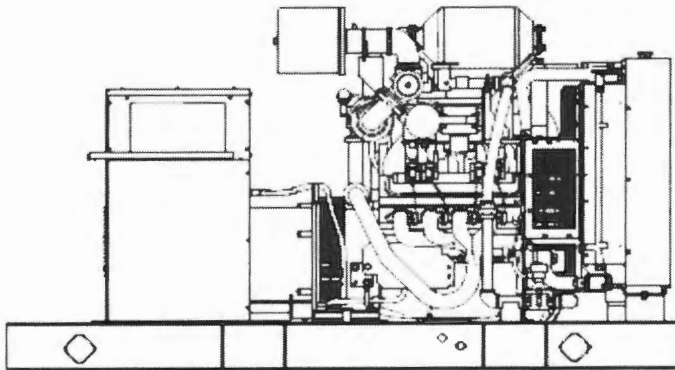
- 1 Run Relay, 12V
- 1 DEC3000 2Input/5Output
- 1 Additional Gas Solenoid Valve
- 1 Air Cleaner Restriction Ind
- 1 Rodent Guards, Non CSA, for 4SX
- 1 Coolant in Genset 6 gals.
- 1 Flexible Fuel Line (Nat/LP)
- 1 Warranty, 1 Year Standby
- 1 Warranty, 2 Year Basic
- 1 RSA II, Annunciator Only
- 1 RSA II Power Supply Option
- 1 Power Factor Test,0.8,3Ph Only
- 1 LCB, 600A, DGP, EL, 80%
- 1 Mtg, LCB,D-Frame, 600A. 4S
- 1 Neutral, 600A 4S
- 1 Covers, 4S J-Box D-Frame LCB
- 1 Lit Kit, General Maint, 150REZGB
- 1 Lit Kit, Production, 150REZGB

KOHLER POWER SYSTEMS

Spec Sheets

KOHLER POWER SYSTEMS

ISO 9001
ISO KOHLER
 POWER SYSTEMS
 NATIONALLY REGISTERED



Standard Features

- Kohler Co. provides one-source responsibility for the generating system and accessories.
- The generator set and its components are prototype-tested, factory-built, and production-tested.
- The 60 Hz generator set offers a UL 2200 listing.
- The generator set accepts rated load in one step.
- The 60 Hz generator set meets NFPA 110, Level 1, when equipped with the necessary accessories and installed per NFPA standards.
- A one-year limited warranty covers all systems and components. Two- and five-year extended warranties are also available.
- EPA-certified for Stationary Emergency Applications
- Alternator Features:
 - The unique Fast-Response X excitation system delivers excellent voltage response and short circuit capability using a rare-earth permanent magnet (PM)-excited alternator.
 - The brushless, rotating-field alternator has broad range reconnectability.
- Other Features:
 - Kohler designed controllers for guaranteed system integration and remote communication. See controller features inside.
 - The electronic, isochronous governor incorporates an integrated drive-by-wire throttle body actuator delivering precise frequency regulation.

Generator Set Ratings

Standby130C Ratings

Alternator	Voltage	Ph	Hz	kW/kVA	Amps
4S13X	120/208	3	60	150/188	520

RATINGS: All three-phase units are rated at 0.8 power factor. All single-phase units are rated at 1.0 power factor. Standby Ratings: The standby rating is applicable to varying loads for the duration of a power outage. There is no overload capability for this rating. Prime Power Ratings: At varying load, the number of generator set operating hours is unlimited. A 10% overload capacity is available for one hour in twelve. Ratings are in accordance with ISO-8528-1 and ISO-3046-1. For limited running time and continuous ratings, consult the factory. Obtain technical information bulletin (TIB-101) for ratings guidelines, complete ratings definitions, and site condition derates. The generator set manufacturer reserves the right to change the design or specifications without notice and without any obligation or liability whatsoever. For dual fuel engines, use the natural gas ratings for both the primary and secondary fuels.

Model: 150REZGB, continued

Alternator Specifications

Specifications	Alternator
Alternator manufacturer	Kohler
Type	4-Pole, Rotating-Field
Exciter type	Brushless, Rare-Earth Permanent-Magnet
Leads, quantity	4RX, 4SX: 12, Reconnectable 4TX: 4, 110-120/220-240
Voltage regulator	Solid State, Volts/Hz
Insulation	NEMA MG1
Insulation: Material	Class H
Insulation: Temperature Rise	130°C, Standby
Bearing: quantity, type	1, Sealed
Coupling	Flexible Disc
Amortisseur windings	Full
Voltage regulation, no-load to full-load RMS	Controller Dependent
One-Step Load Acceptance	100% of rating
Unbalanced load capability	100% of Rated Standby Current

- Sustained short-circuit current of up to 300% of the rated current for up to 10 seconds.
- Sustained short-circuit current enabling down stream circuit breakers to trip without collapsing the alternator field.
- Self-ventilated and drip-proof construction.
- Vacuum-impregnated windings with fungus-resistant epoxy varnish for dependability and long life.
- Superior voltage waveform from a two-thirds pitch stator and skewed rotor.

Engine

Engine Specifications	
Engine Manufacturer	General Motors
Engine Model	Industrial Powertrain Vortec 8.1L
Engine: type	4-Cycle, Turbocharged and Charge Cooled
Cylinder arrangement	V-8
Displacement, L (cu. in.)	8.1 (496)
Bore and stroke, mm (in.)	108 x 111 (4.25 x 4.37)
Compression ratio	9.1:1
Piston speed, m/min. (ft./min.)	399 (1311)
Main bearings: quantity, type	Alum. Lead Silicon Alloy
Rated rpm	1800
Max. power at rated rpm, kWm (BHP)	170 (228)
Cylinder head material	Cast Iron
Piston: type, material	Strutless Flat Top, Hypereutectic Cast Alum.
Crankshaft material	Cast Nodular Undercut Rolled Fillet
Governor: type, make/model	Electronic
Frequency regulation, no-load to-full load	Isochronous
Frequency regulation, steady state	±0.5%
Frequency	Fixed
Air cleaner type, all models	Dry

Model: 150REZGB, continued

Exhaust

Exhaust System

Exhaust Manifold Type	Dry
Exhaust flow at rated kW, m ³ /min. (cfm)	30.1 (1063)
Exhaust temperature at rated kW, dry exhaust, °C (°F)	649 (1200)
Maximum allowable back pressure, kPa (in. Hg)	10.2 (3.0)
Exh. outlet size at eng. hookup, mm (in.)	Flanged Outlet at Catalyst, see ADV drawing

Engine Electrical

Engine Electrical System

Ignition system	Individual Coil Near Plug Ignition
Battery charging alternator:	
Ground (negative/positive)	Negative
Volts (DC)	12
Ampere rating	70
Starter motor rated voltage (DC)	12
Battery, recommended cold cranking amps (CCA):	
Qty., CCA rating each	One, 630
Battery voltage (DC)	12

Fuel

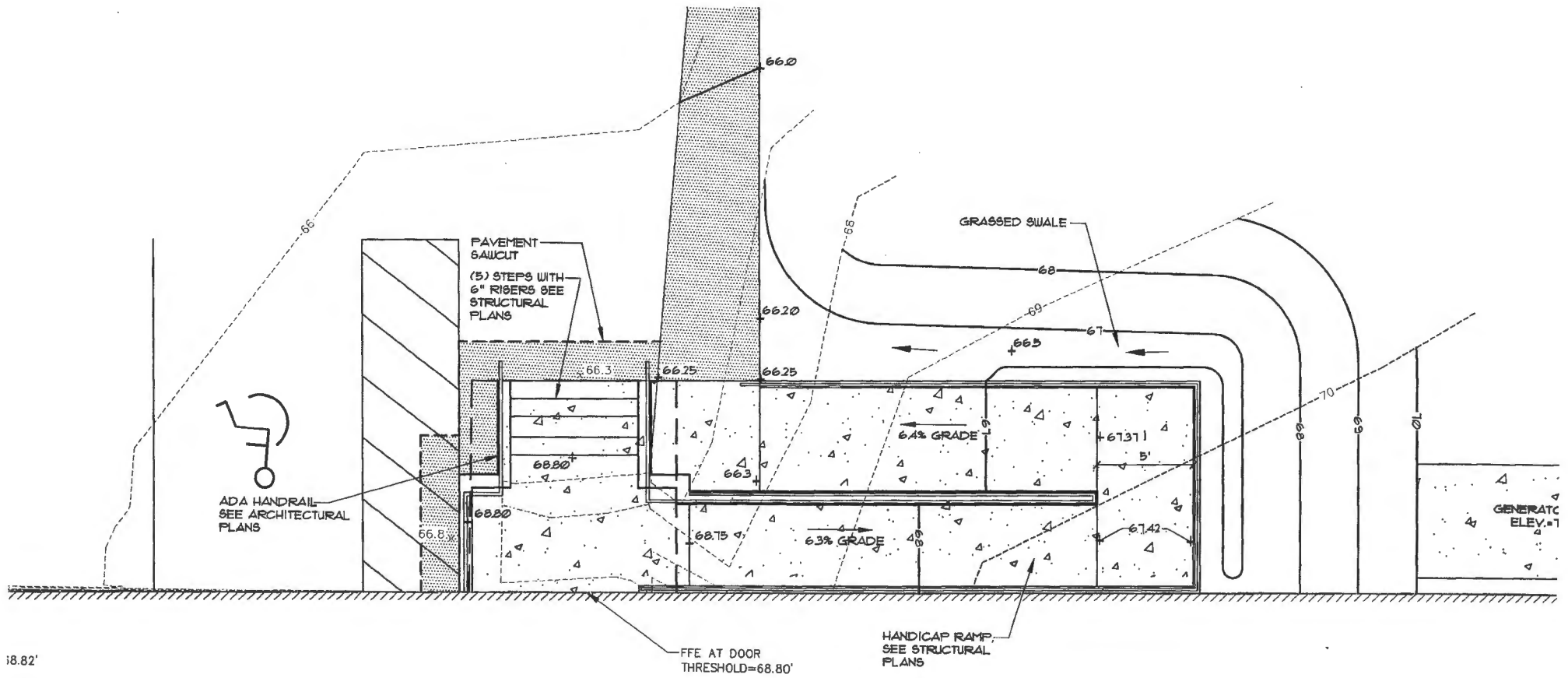
Fuel System

Fuel type	Natural Gas
Fuel supply line inlet	1.5 NPTF
Natural gas/LPG fuel supply pressure, kPa (in. H ₂ O). Fuel supply pressure measured at the generator set fuel inlet downstream of any fuel system equipment accessories.	1.74-2.74 (7-11)

Lubrication

Lubrication System

Type	Full Pressure
Oil pan capacity, L (qt.)	8.0 (8.5)
Oil pan capacity with filter, L (qt.)	8.5 (9.0)
Oil filter: quantity, type	1, Cartridge



18.82'

GRAPHIC SCALE





PORTLAND MAINE

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

Receipts Details:

Tender Information: Check , BusinessName: Great Falls Construction, Check Number: 24363
Tender Amount: 2520.00

Receipt Header:

Cashier Id: gguertin
Receipt Date: 6/28/2012
Receipt Number: 45460

Receipt Details:

Referance ID:	7079	Fee Type:	BP-Constr
Receipt Number:	0	Payment Date:	
Transaction Amount:	2520.00	Charge Amount:	2520.00
Job ID: Job ID: 2012-06-4356-ALTCOMM - renovate office space			
Additional Comments: 2301 Congress St. SFX Great Falls Construction			

Thank You for your Payment!



2012 06 4356

Administrative Authorization Application

Portland, Maine

Planning and Urban Development Department, Planning Division

2012-529

PROJECT NAME: MPX Printing Handicap Ramp

PROJECT ADDRESS: 2301 Congress Street CHART/BLOCK/LOT: 238A 004 001

APPLICATION FEE: \$50 (\$50.00)

PROJECT DESCRIPTION: (Please Attach Sketch/Plan of the Proposal/Development)

Exterior Ramp and minor Site improvements, see attached letter

CONTACT INFORMATION:

OWNER/APPLICANT

Name: 2301 Congress St. Realty, LLC
Address: P.O. Box 3889
Portland, ME 04104
Work #: 207-619-6901
Cell #: 207-712-2468
Fax #: 866-236-9163
Home #: 207-781-8226
E-mail: rwillis@mpxonline.com

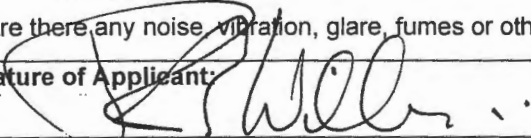
CONSULTANT/AGENT

Name: Sebago Technics, Inc (Dan Riley)
Address: 75 John Roberts Road Suite 1A
South Portland, ME 04106
Work #: 200-2080
Cell #: 615-7912
Fax #: 856-2206
Home #: _____
E-mail: driley@sebagotechnics.com

Criteria for an Administrative Authorization:
(see section 14-523(4) on pg .2 of this appl.)

Applicant's Assessment
Y(yes), N(no), N/A

- a) Is the proposal within existing structures? No
- b) Are there any new buildings, additions, or demolitions? No
- c) Is the footprint increase less than 500 sq. ft.? Yes
- d) Are there any new curb cuts, driveways or parking areas? No
- e) Are the curbs and sidewalks in sound condition? Yes
- f) Do the curbs and sidewalks comply with ADA? Yes
- g) Is there any additional parking? No
- h) Is there an increase in traffic? No
- i) Are there any known stormwater problems? No
- j) Does sufficient property screening exist? Yes
- k) Are there adequate utilities? Yes
- l) Are there any zoning violations? No
- m) Is an emergency generator located to minimize noise? Yes
- n) Are there any noise, vibration, glare, fumes or other impacts? No

Signature of Applicant: 	Date: <u>06/19/2012</u>
---	-------------------------

IMPORTANT NOTICE TO APPLICANT: The granting of an Administrative Authorization to exempt a development from site plan review does not exempt this proposal from other required approvals or permits, nor is it an authorization for construction. You should first check with the Building Inspections Office, Room 315, City Hall (207)874-8703, to determine what other City permits, such as a building permit, will be required.

Administrative Authorization Decision

Name: **MPX Printing Services**
Address: **2301 Congress Street**
Project Description: **handicap ramp and revised swale**

Criteria for an Administrative Authorizations:
Section 14-523 (4) on page 2 of this application)

Applicant's Assessment
Y(yes), N(no), N/A

Planning Division
Use Only

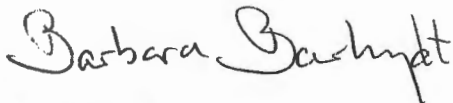
(See

Criteria	Applicant's Assessment	Planning Division
a) Is the proposal within existing structures?	No	No
b) Are there any new buildings, additions, or demolitions?	No	No
c) Is the footprint increase less than 500 sq. ft.?	Yes	Yes
d) Are there any new curb cuts, driveways or parking areas?	No	No
e) Are the curbs and sidewalks in sound condition?	Yes	Yes
f) Do the curbs and sidewalks comply with ADA?	No	No
g) Is there any additional parking?	No	No
h) Is there an increase in traffic?	Yes	Yes
i) Are there any known stormwater problems?	Yes	Yes
j) Does sufficient property screening exist?	Yes	Yes
k) Are there adequate utilities?	Yes	Yes
l) Are there any zoning violations?	No	No
m) Is an emergency generator located to minimize noise?	Yes	Yes
n) Are there any noise, vibration, glare, fumes or other impacts?	No	No

The proposed emergency generator has a sound enclosure , so the estimated noise level will be 74 dba. The regarding at the swale is minimal to improve drainage flow. The proposed handicap ramp and steps are shown alongside the building.

The Administrative Authorization for 2301 Congress Street was approved by Barbara Barhydt, Development Review Services Manager on June 29, 2012 with the following condition(s) of approval listed below:

1. The standard tests of the emergency generator shall be programmed to occur between 9 to 5 during the week, Monday through Friday.
2. Erosion control measures shall be installed for the grading of the swale and the swale shall be loamed and seeded.
3. The applicant shall obtain all required City Permits, including building permits from the Inspection Division (874-8703) and any other permits required from the Department of Public Services (874-8801) prior to the start of any construction.



Barbara Barhydt
Development Review Services Manager
Date of Approval: *June 29, 2012*



June 18, 2012
12153

Ms. Barbara Barhydtte
City of Portland Planning Division
389 Congress Street
Portland, Maine 04101

MPX Site 2301 Congress Street
Administrative Authorization Site Plan

Dear Barbara:

On behalf of MPX Printing Services (MPX) and Great Falls Construction, we are pleased to submit the enclosed Site Plans and an Application for Administrative Authorization for improvements to an existing commercial building site at 2275 Congress Street.

MPX is currently completing interior renovation to its existing printing facility at 2301 Congress Street. As part of that work, the applicant plans to construct a new handicap accessible ramp to replace an existing non-accessible stairway at the rear of the building. The applicant also intends to construct minor site improvements including reconstructing an existing brick sidewalk plaza to include a new handicap accessible tipdown, straightening a curb line and re-stripping pavement to define three handicap accessible spaces.

Additional minor site maintenance includes re-grading an existing grass swale to correct a condition where runoff from a Congress Street culvert diverts away from an existing roadside swale onto the site's front lawn. It appears that the placement of loam/seed or sod in an existing roadside culvert outlet has caused runoff from the existing culvert to run across the applicant's lawn, instead of following an existing swale to an existing driveway culvert. The work will re-establish flow to the site's driveway culvert.

We have enclosed an Application for Administrative Authorization in accordance with Section 14-523(c) of the Land Use Ordinance (the Ordinance). The following items summarize the proposed projects conformance with applicable standards of 14-523 (c)

- 1. The proposed development will be located within existing structures, and there will be no new buildings, external demolitions, or building additions other than those permitted by subsection 2 of this subsection;*

There are no new building additions. The work is comprised of an exterior handicap accessible ramp and minor building entrance renovations and site improvements. There are no external building demolitions proposed.

2. *Any building addition shall have a new building footprint expansion of less than five hundred (500) square feet;*

No building expansion is proposed.

The proposed handicap ramp and replacement stairway has a footprint of less than 500 square feet.

3. *The proposed site plan does not add any new curb cuts, driveways, or parking areas; the existing site has no more than one (1) curb cut and will not disrupt the circulation flows and parking on-site; and there will be no drive-through services provided;*

The proposed site plan does not add any new curb cuts, driveways, or parking areas; the existing and proposed site has one (1) curb cut and the proposed improvements will not disrupt the circulation flows and parking on-site; and there will be no drive-through services provided;

No new curb cuts, driveways or new parking areas are proposed. The project does not add curb cuts and site circulation is not altered. There are no drive-through services.

The total area of new parking is pavement and is less than 500 square feet.

4. *The curbs and sidewalks adjacent to the lot are complete and in sound condition, as determined by the Public Services Authority, with granite curb with at least four-inch reveal, and sidewalks are in good repair with uniform material and level surface and meet accessibility requirements of the Americans with Disabilities Act;*

The granite curb, a bituminous sidewalk along the site frontage, is complete and in good repair.

5. *The use does not require additional or reduce existing parking, either on or off the site, and the project does not significantly increase traffic generation;*

No change in use is proposed. Therefore, there is no anticipated increase in traffic generation.

6. *There are no known stormwater impacts from the proposed use or any existing deficient conditions of stormwater management on the site;*

There will be no measurable impact to the site's stormwater runoff conditions as a result of the project. The proposed improvements will result in a net increase in impervious area of approximately 150 square feet.

The proposed grading at the front of the site is limited to maintenance of an existing drainage swale.

7. *There are no evident deficiencies in existing screening from adjoining properties;*

There are no evident deficiencies in existing screening from adjoining properties.

8. *Existing utility connections are adequate to serve the proposed development and there will be no disturbance to or improvements within the proposed right-of-way;*

There is no proposed change of use and no changes to the building's utility demand or services.

9. *There are no current zoning violations;*

We are unaware of any zoning violations.

10. *Any emergency generators are to be located to minimize noise impacts to adjoining properties and documentation that routine testing of the generators occur on weekdays between the hours of 9 a.m. to 5 p.m.*

The emergency generator, to be located at the rear of the site, will be installed in a sound attenuating enclosure will be tested on weekdays between 9 a.m. to 5 p.m.

11. *Documentation pertaining to the noise impacts of the emergency generator shall be submitted; and there are no anticipated noise, vibration, glare, fumes or other foreseeable impacts associated with the project.*

Manufacturer's information for the proposed generator is attached. We do not anticipate any noise, glare, fumes or other impacts associated with the project.

Please call if you have any questions regarding our review of this application.

Sincerely,

SEBAGO TECHNICS, INC.



Daniel L. Riley, P.E.
Senior Project Manager

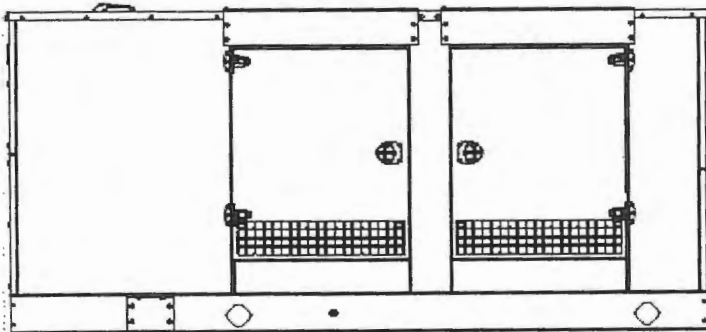
DLR/dlr:kn
Enc.



KOHLER POWER SYSTEMS

Sound Enclosure

S9001
KOHLER
POWER SYSTEMS
NATIONALLY REGISTERED

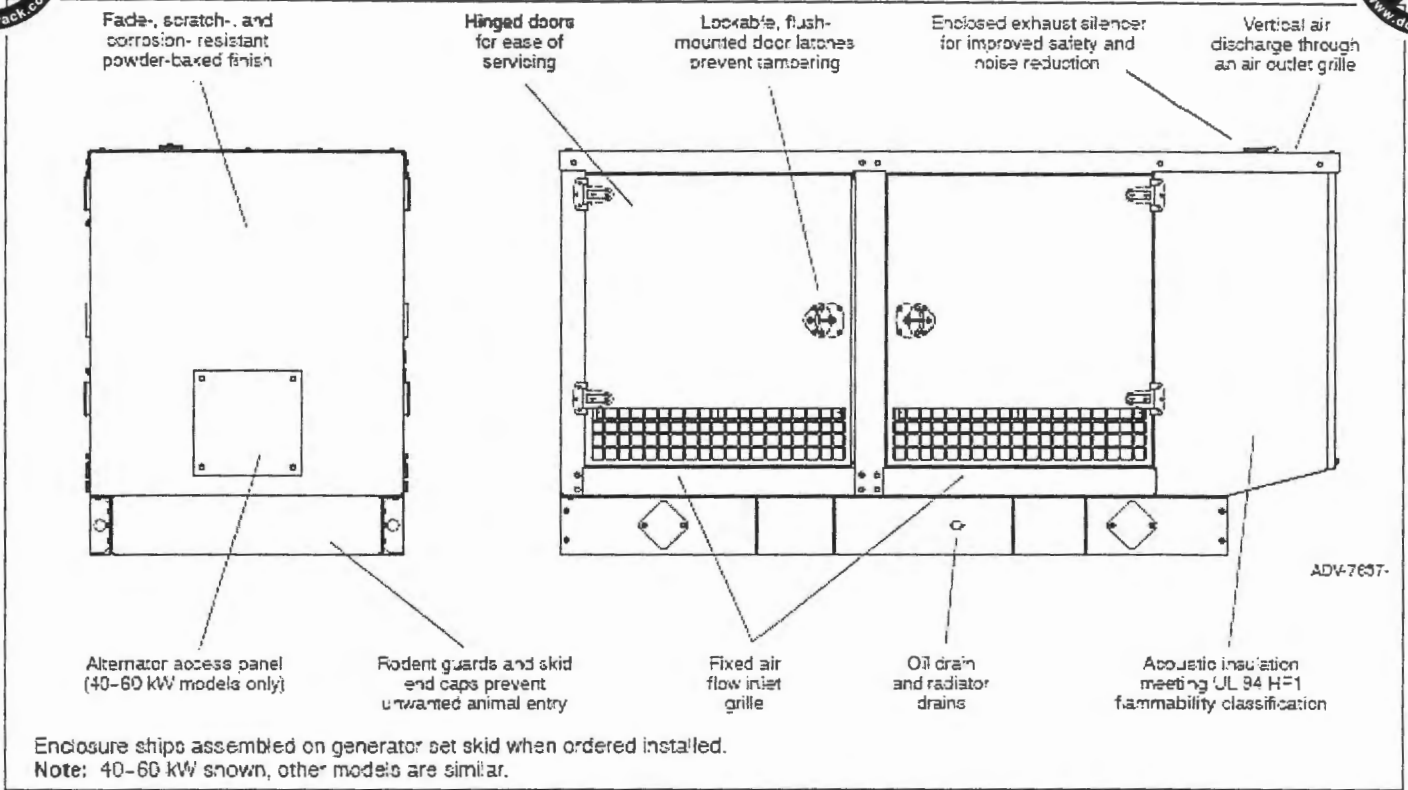


Sound Enclosure Standard Features

- Internal-mounted critical silencer and flexible exhaust connector.
- Skid-mounted, steel construction with hinged doors.
- Fade-, scratch-, and corrosion-resistant Kohler® cream beige and black powder-baked finish.
- Lockable, flush-mounted door latches.
- Vertical air inlet and outlet hoods with 90 degree angles to redirect air and reduce noise.
- High wind bracing, 241 kph (150 mph).
- Skid-mounted, steel construction with hinged doors.
- Acoustic insulation that meets UL 94 HF1 flammability classification and repels moisture absorption.
- Sound attenuated enclosure that uses up to 25 mm (1 in.) of acoustic insulation, acoustic-lined air inlet hoods, and acoustic-lined air discharge hood.



Sound Enclosure, continued



Sound Enclosure Features

- Available in steel (14 gauge) formed panel, solid construction. Preassembled package offering corrosion resistant, dent resilient structure that mounts directly to lift base or fuel tank.
- Powder-baked paint. Superior finish, durability, and appearance.
- Internal critical exhaust silencer offering maximum component life and operator safety.
- Interchangeable modular panel construction. Allows complete serviceability or replacement without compromising enclosure design.
- Cooling/combustion air intake with a horizontal air inlet. Sized for maximum cooling airflow.
- Service access. Multi-personnel doors for easy access to generator set control and servicing of the oil fill and battery.
- Cooling air discharge. Weather protective design featuring vertical air discharge outlet grille. Redirects cooling air up and above enclosures to reduce noise ambient.
- The enclosure has a UL listing.
- Attenuated design. Acoustic insulation UL 94 HF1 listed for flame resistance offering up to 25 mm (1 in.) mechanically restrained acoustic insulation.
- Cooling air discharge. The sound enclosures include acoustic insulation with urethane film.

Fuel Tank Capacity, L (gal.)	Est. Fuel Supply Hours at 60 Hz with Full Load	Max. Length, mm (in.)	Max. Width, mm (in.)	Enclosure and Fuel Tank Length, mm (in.)	Enclosure and Fuel Tank Width, mm (in.)	Enclosure and Fuel Tank Weight, kg (lb.)	Enclosure and Fuel Tank Height, mm (in.)	Fuel Tank Height (H), mm (in.)	Sound Pressure at 7m (23ft.), dB(A)	Max. Height, mm (in.)	Weight, kg (lb.)
Lift base	0	3506 (138.0)	1156 (45.5)						74	1697 (66.8)	1866 (4113)

KOHLER POWER SYSTEMS

POWER PRODUCTS SYSTEMS, LLC

432 WARREN AVE / PORTLAND, ME 04103

P: 207-797-5188 F: 207-797-5953

Submittal Package

Job Name: GRAYBAR PORTLAND BOB D.

Proposal: TP-229-12

We are pleased to offer the following submittal for your consideration.
Thank you, Tom Peacock, Power Products

TABLE OF CONTENTS

Section	Sub-Section	Literature
Quote		
Model KSS-DCTA-0600S Spec Sheets		
Model 150REZGB Spec Sheets		
Alternator Data	Alternator Data Sheet	4S13X
Emissions Data	Emissions Data	Emissions Data
	EPA Certificate	EPA Certificate
Dimensional Drawings	Generator	ADV-7912
	Accessories	ADV-7683
	Controller	ADV-7935
	Enclosure	ADV-7687
	Transfer Switch	ADV-7195
Wiring Schematic Diagrams	Controller Schematic Diagram	ADV-7966
	Controller Wiring Diagram	GM77413
	Interconnection Diagram	GM78246
	Remote Serial Annunciator	ADV-6990
	Remote Serial Annunciator	GM62554
	Transfer Switch	GM46266
	Transfer Switch	GM46288
Misc	Battery	244578
	Battery Charger	GM28341
	Block Heater	326220
	Block Heater	GM75566
	Circuit Breaker	ADV-5912
	Circuit Breaker	X-6305
	Flexible Fuel Line	X-504
Warranty	Warranty	TP-5373
	Warranty	TP-5374
	Warranty	TP-5497
	Warranty	TP-6085
Certification	ISO9001 Certificate	G15-152
	Prototype Test Certificate	G18-56
Pre-Startup Checklist	Pre-Startup Checklist	PreStartUpCheckList

POWER PRODUCTS SYSTEMS, LLC

432 WARREN AVE / PORTLAND, ME 04103

P: 207-797-5188 F: 207-797-5953

Job Name: GRAYBAR PORTLAND BOB I

Offer: TP-229-1

Version 1.

Page

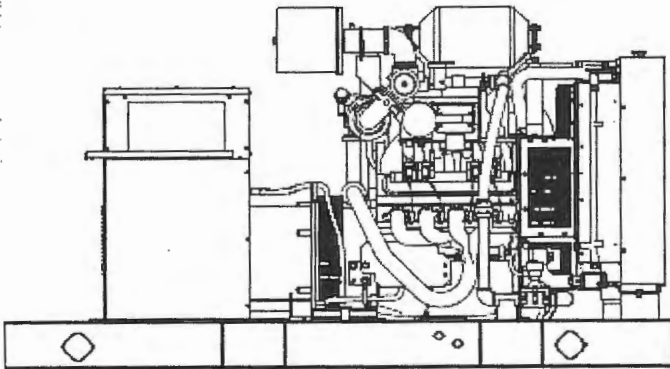
- 1 Run Relay, 12V
- 1 DEC3000 2Input/5Output
- 1 Additional Gas Solenoid Valve
- 1 Air Cleaner Restriction Ind
- 1 Rodent Guards, Non CSA, for 4SX
- 1 Coolant in Genset 6 gals.
- 1 Flexible Fuel Line (Nat/LP)
- 1 Warranty, 1 Year Standby
- 1 Warranty, 2 Year Basic
- 1 RSA II, Annunciator Only
- 1 RSA II Power Supply Option
- 1 Power Factor Test,0.8,3Ph Only
- 1 LCB, 600A, DGP, EL, 80%
- 1 Mtg, LCB,D-Frame, 600A. 4S
- 1 Neutral, 600A 4S
- 1 Covers, 4S J-Box D-Frame LCB
- 1 Lit Kit, General Maint, 150REZGB
- 1 Lit Kit, Production, 150REZGB

KOHLER POWER SYSTEMS

Spec Sheets

KOHLER POWER SYSTEMS

S9001
KOHLER
POWER SYSTEMS
 NATIONALLY REGISTERED



Standard Features

- Kohler Co. provides one-source responsibility for the generating system and accessories.
- The generator set and its components are prototype-tested, factory-built, and production-tested.
- The 60 Hz generator set offers a UL 2200 listing.
- The generator set accepts rated load in one step.
- The 60 Hz generator set meets NFPA 110, Level 1, when equipped with the necessary accessories and installed per NFPA standards.
- A one-year limited warranty covers all systems and components. Two- and five-year extended warranties are also available.
- EPA-certified for Stationary Emergency Applications
- Alternator Features:
 - The unique Fast-Response X excitation system delivers excellent voltage response and short circuit capability using a rare-earth permanent magnet (PM)-excited alternator.
 - The brushless, rotating-field alternator has broad range reconnectability.
- Other Features:
 - Kohler designed controllers for guaranteed system integration and remote communication. See controller features inside.
 - The electronic, isochronous governor incorporates an integrated drive-by-wire throttle body actuator delivering precise frequency regulation.

Generator Set Ratings

Alternator	Voltage	Standby130C Ratings			
		Ph	Hz	kW/kVA	Amps
4S13X	120/208	3	60	150/188	520

RATINGS: All three-phase units are rated at 0.8 power factor. All single-phase units are rated at 1.0 power factor. Standby Ratings: The standby rating is applicable to varying loads for the duration of a power outage. There is no overload capability for this rating. Prime Power Ratings: At varying load, the number of generator set operating hours is unlimited. A 10% overload capacity is available for one hour in twelve. Ratings are in accordance with ISO-8528-1 and ISO-3046-1. For limited running time and continuous ratings, consult the factory. Obtain technical information bulletin (TIB-101) for ratings guidelines, complete ratings definitions, and site condition derates. The generator set manufacturer reserves the right to change the design or specifications without notice and without any obligation or liability whatsoever. For dual fuel engines, use the natural gas ratings for both the primary and secondary fuels.

Model: 150REZGB, continued

Alternator Specifications

Specifications	Alternator
Alternator manufacturer	Kohler
Type	4-Pole, Rotating-Field
Exciter type	Brushless, Rare-Earth Permanent-Magnet
Leads, quantity	4RX, 4SX: 12, Reconnectable 4TX: 4, 110-120/220-240
Voltage regulator	Solid State, Volts/Hz
Insulation	NEMA MG1
Insulation: Material	Class H
Insulation: Temperature Rise	130°C, Standby
Bearing: quantity, type	1, Sealed
Coupling	Flexible Disc
Amortisseur windings	Full
Voltage regulation, no-load to full-load RMS	Controller Dependent
One-Step Load Acceptance	100% of rating
Unbalanced load capability	100% of Rated Standby Current

- Sustained short-circuit current of up to 300% of the rated current for up to 10 seconds.
- Sustained short-circuit current enabling down stream circuit breakers to trip without collapsing the alternator field.
- Self-ventilated and dripproof construction.
- Vacuum-impregnated windings with fungus-resistant epoxy varnish for dependability and long life.
- Superior voltage waveform from a two-thirds pitch stator and skewed rotor.

Engine

Engine Specifications	
Engine Manufacturer	General Motors
Engine Model	Industrial Powertrain Vortec 8.1L
Engine: type	4-Cycle, Turbocharged and Charge Cooled
Cylinder arrangement	V-8
Displacement, L (cu. in.)	8.1 (496)
Bore and stroke, mm (in.)	108 x 111 (4.25 x 4.37)
Compression ratio	9.1:1
Piston speed, m/min. (ft./min.)	399 (1311)
Main bearings: quantity, type	Alum. Lead Silicon Alloy
Rated rpm	1800
Max. power at rated rpm, kWm (BHP)	170 (228)
Cylinder head material	Cast Iron
Piston: type, material	Strutless Flat Top, Hypereutectic Cast Alum.
Crankshaft material	Cast Nodular Undercut Rolled Fillet
Governor: type, make/model	Electronic
Frequency regulation, no-load to-full load	Isochronous
Frequency regulation, steady state	±0.5%
Frequency	Fixed
Air cleaner type, all models	Dry

Model: 150REZGB, continued

Exhaust

Exhaust System

Exhaust Manifold Type	Dry
Exhaust flow at rated kW, m ³ /min. (cfm)	30.1 (1063)
Exhaust temperature at rated kW, dry exhaust, °C (°F)	649 (1200)
Maximum allowable back pressure, kPa (in. Hg)	10.2 (3.0)
Exh. outlet size at eng. hookup, mm (in.)	Flanged Outlet at Catalyst, see ADV drawing

Engine Electrical

Engine Electrical System

Ignition system	Individual Coil Near Plug Ignition
Battery charging alternator:	
Ground (negative/positive)	Negative
Volts (DC)	12
Ampere rating	70
Starter motor rated voltage (DC)	12
Battery, recommended cold cranking amps (CCA):	
Qty., CCA rating each	One, 630
Battery voltage (DC)	12

Fuel

Fuel System

Fuel type	Natural Gas
Fuel supply line inlet	1.5 NPTF
Natural gas/LPG fuel supply pressure, kPa (in. H ₂ O). Fuel supply pressure measured at the generator set fuel inlet downstream of any fuel system equipment accessories.	1.74-2.74 (7-11)

Lubrication

Lubrication System

Type	Full Pressure
Oil pan capacity, L (qt.)	8.0 (8.5)
Oil pan capacity with filter, L (qt.)	8.5 (9.0)
Oil filter: quantity, type	1, Cartridge

Model: 150REZGB, continued

Cooling

Radiator System

Ambient temperature, °C (°F)	50 (122)
Heat rejected to air charge cooler at rated kW, dry exhaust, (Btu/min.)	13.2 (750)
Engine jacket water capacity, L (gal.)	10.0 (2.6)
Radiator system capacity, including engine, L (gal.)	24.2 (6.4)
Engine jacket water flow, Lpm (gpm)	125 (33)
Heat rejected to cooling water at rated kW, dry exhaust, kW (Btu/min.)	129 (7320)
Heat rejected to engine oil at rated kW, kW (Btu/min.)	1.7 (95)
Water pump type	Centrifugal
Fan diameter, including blades, mm (in.)	711 (28.0)
Fan, kWm (HP)	23.1 (31)
Max. restriction of cooling air, intake and discharge side of radiator, kPA (in. H2O)	0.125 (0.5)

* Enclosure with internal silencer reduces ambient temperature capability by 5°C (9°F).

Operation Requirements

Air Requirements

Radiator-cooled cooling air, m ³ /min. (scfm) *	340 (12000)
Combustion air, m ³ /min. (cfm)	10.3 (365)
Heat rejected to ambient air: Engine, kW (Btu/min.)	84.2 (4790)
Heat rejected to ambient air: Alternator, kW (Btu/min.)	16.0 (912)

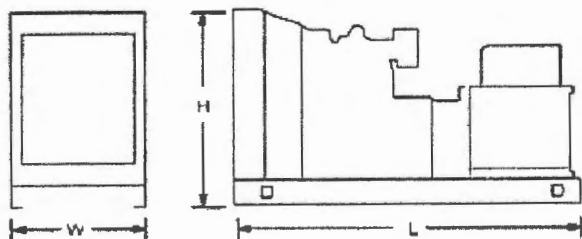
*Air density = 1.20 kg/m³ (0.075 lbm/ft³)

Fuel Consumption

Natural Gas, m ³ /hr. (cfh) at % load	Rating
Standby Fuel Consumption at 100% load	54.7 m ³ /hr. (1930 cfh)
Standby Fuel Consumption at 75% load	42.9 m ³ /hr. (1512 cfh)
Standby Fuel Consumption at 50% load	31.5 m ³ /hr. (1112 cfh)
Standby Fuel Consumption at 25% load	20.0 m ³ /hr. (707 cfh)
Standby Fuel Consumption at 0% load	10.4 m ³ /hr. (369 cfh)

Dimensions and Weights

Overall Size, L x W x H, mm (in.):	2800 x 1120 x 1538 (110.2 x 44.1 x 60.6)
Weight (radiator model), wet, kg (lb.):	1440 (3175)



NOTE: This drawing is provided for reference only and should not be used for planning installation. Contact your local distributor for more detailed information.

AUTOMATIC TRANSFER SWITCH

3 Pole, 4 Wire, Solid Neutral, 0600 Amps, Kohler automatic transfer switch, Model MODELK1, rated 208V, 60 Hz, complete with all standard equipment and housed in a NEMA Type 1 enclosure.

Configuration

Qty	Description
1	KSS-DCTA-0600S
1	Warranty, 1 Year Standard
1	Lit Kit, ATS Production, KSS/KSP
1	Warranty - ATS, 2 Year Basic

GENERATOR SET

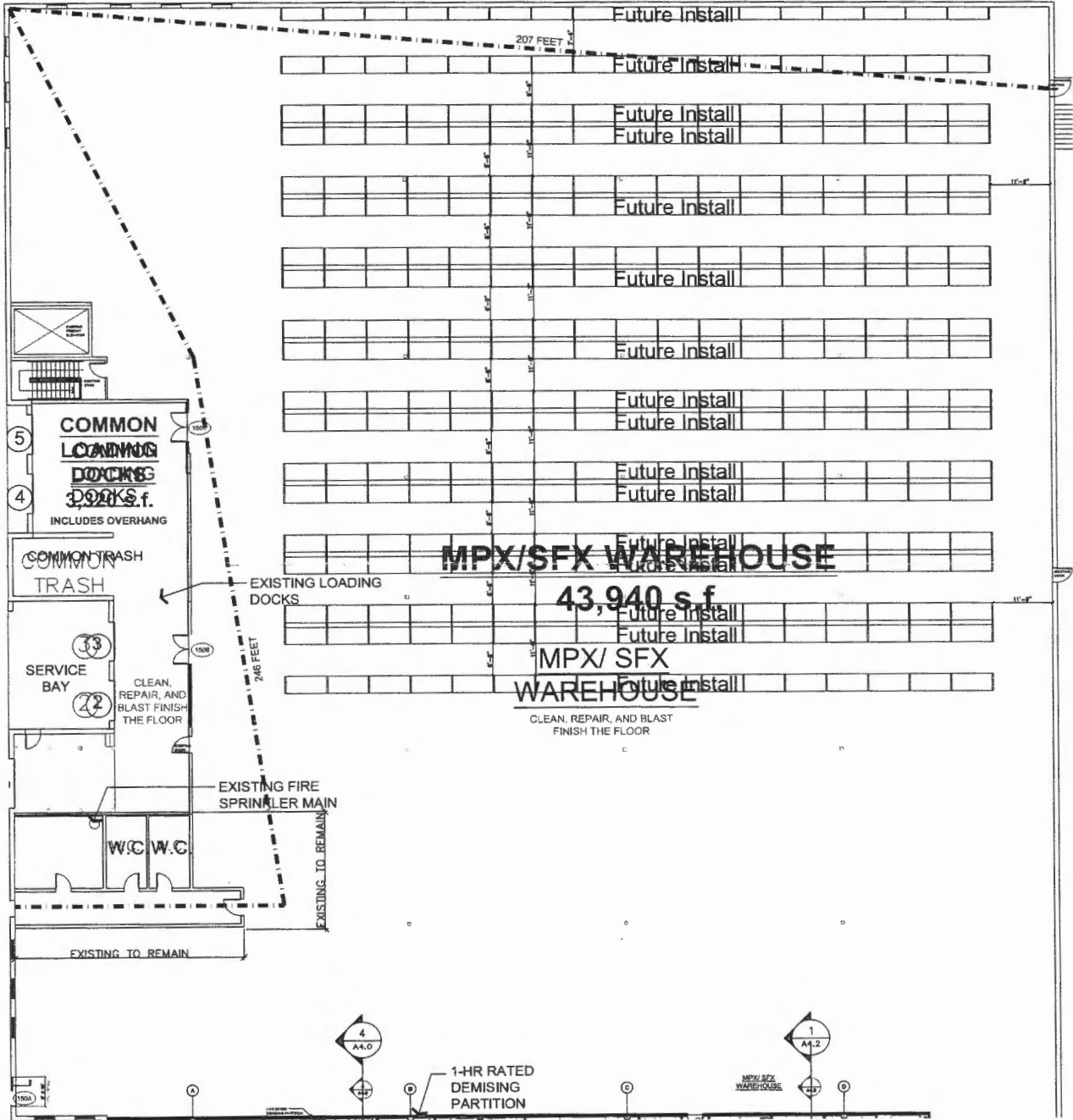
Model: 150REZGB

This generator set equipped with a 4S13X alternator operating at 120/208 volts is rated for 150 kW/188 kVA.

Output amperage: 520

Configuration

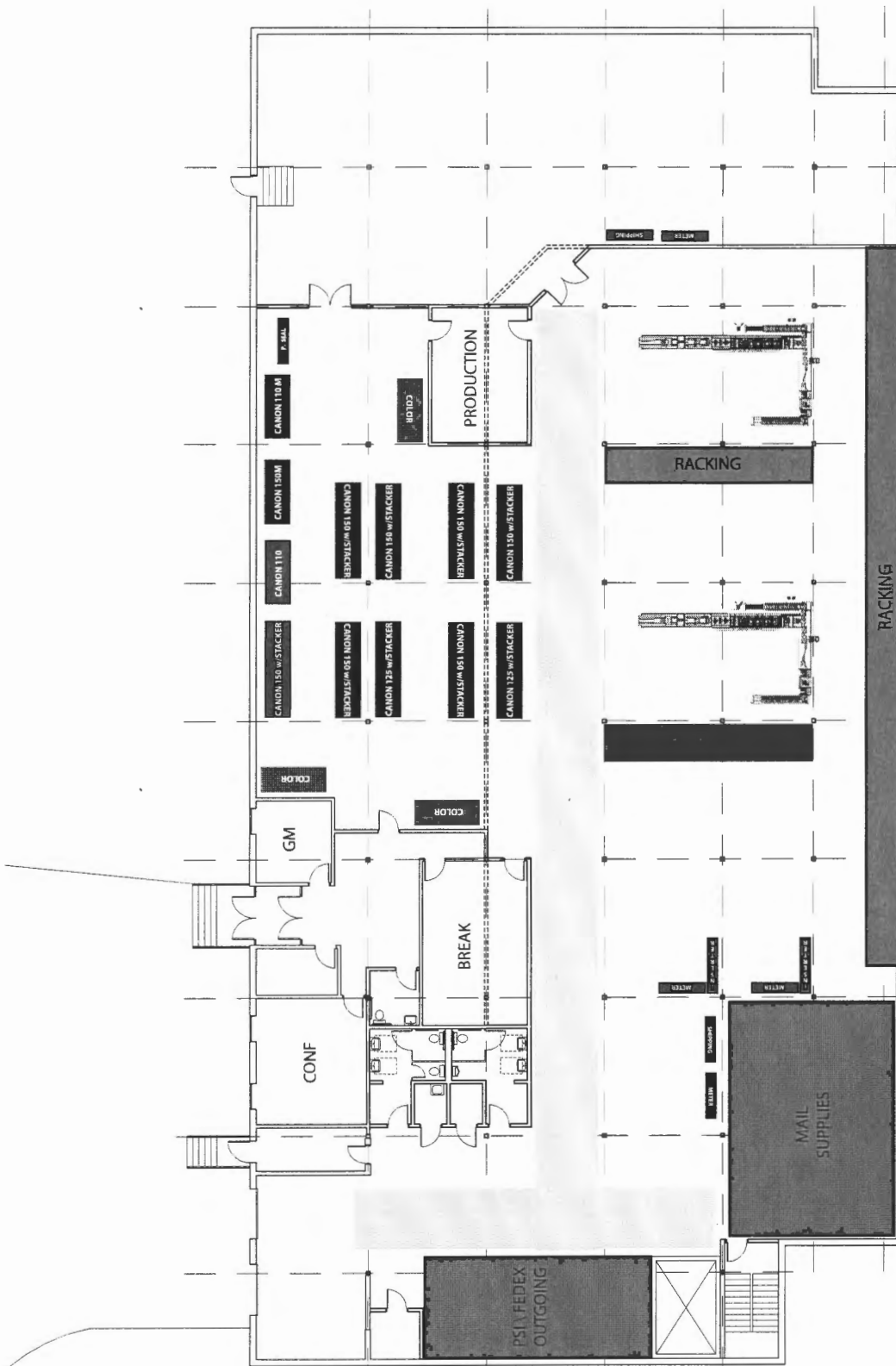
Qty	Description
1	150REZGB Generator Set
1	150REZGB, 8.1L Nat. Gas Fuel
1	Nameplate Rating, Standby 130 Degree
1	Unit Mounted Radiator, 50C
1	Skid & Mounting
1	Air Intake, Standard Duty
1	Fuel Code, Natural Gas
1	Gaseous Fuel Filter
1	Decal, UL2200 (cUL) Listing (Gas)
1	Voltage, 60Hz, 120/208V, 3Ph, 4W, 0.8PF
1	Alternator, 4S13X
1	Controller, DEC3000 800A, 3Ph
1	Control & Harness DEC3000
1	Accessory Inner Panel
1	Enclosure, Sound Steel
1	Skid Extension
1	Block Heater, 120V, 1800W
1	Battery, 1/12V, 650CCA, Wet
1	Batt Chgr, Float, 90-120V, 12V-6A



RECEIVED

AUG 31 2012

Dept. of Building Inspections
City of Portland Maine



RECEIVED

AUG 31 2012

Dept. of Building Inspections
City of Portland Maine

Model: 150REZGB, continued

Exhaust

Exhaust System

Exhaust Manifold Type	Dry
Exhaust flow at rated kW, m ³ /min. (cfm)	30.1 (1063)
Exhaust temperature at rated kW, dry exhaust, °C (°F)	649 (1200)
Maximum allowable back pressure, kPa (in. Hg)	10.2 (3.0)
Exh. outlet size at eng. hookup, mm (in.)	Flanged Outlet at Catalyst, see ADV drawing

Engine Electrical

Engine Electrical System

Ignition system	Individual Coil Near Plug Ignition
Battery charging alternator:	
Ground (negative/positive)	Negative
Volts (DC)	12
Ampere rating	70
Starter motor rated voltage (DC)	12
Battery, recommended cold cranking amps (CCA):	
Qty., CCA rating each	One, 630
Battery voltage (DC)	12

Fuel

Fuel System

Fuel type	Natural Gas
Fuel supply line inlet	1.5 NPTF
Natural gas/LPG fuel supply pressure, kPa (in. H ₂ O). Fuel supply pressure measured at the generator set fuel inlet downstream of any fuel system equipment accessories.	1.74-2.74 (7-11)

Lubrication

Lubrication System

Type	Full Pressure
Oil pan capacity, L (qt.)	8.0 (8.5)
Oil pan capacity with filter, L (qt.)	8.5 (9.0)
Oil filter: quantity, type	1, Cartridge

Model: 150REZGB, continued

Cooling

Radiator System

Ambient temperature, °C (°F)	50 (122)
Heat rejected to air charge cooler at rated kW, dry exhaust, (Btu/min.)	13.2 (750)
Engine jacket water capacity, L (gal.)	10.0 (2.6)
Radiator system capacity, including engine, L (gal.)	24.2 (6.4)
Engine jacket water flow, Lpm (gpm)	125 (33)
Heat rejected to cooling water at rated kW, dry exhaust, kW (Btu/min.)	129 (7320)
Heat rejected to engine oil at rated kW, kW (Btu/min.)	1.7 (95)
Water pump type	Centrifugal
Fan diameter, including blades, mm (in.)	711 (28.0)
Fan, kWm (HP)	23.1 (31)
Max. restriction of cooling air, intake and discharge side of radiator, kPA (in. H ₂ O)	0.125 (0.5)

* Enclosure with internal silencer reduces ambient temperature capability by 5°C (9°F).

Operation Requirements

Air Requirements

Radiator-cooled cooling air, m ³ /min. (scfm) *	340 (12000)
Combustion air, m ³ /min. (cfm)	10.3 (365)
Heat rejected to ambient air: Engine, kW (Btu/min.)	84.2 (4790)
Heat rejected to ambient air: Alternator, kW (Btu/min.)	16.0 (912)

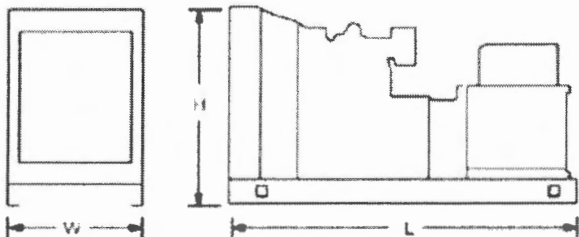
*Air density = 1.20 kg/m³ (0.075 lbm/ft³)

Fuel Consumption

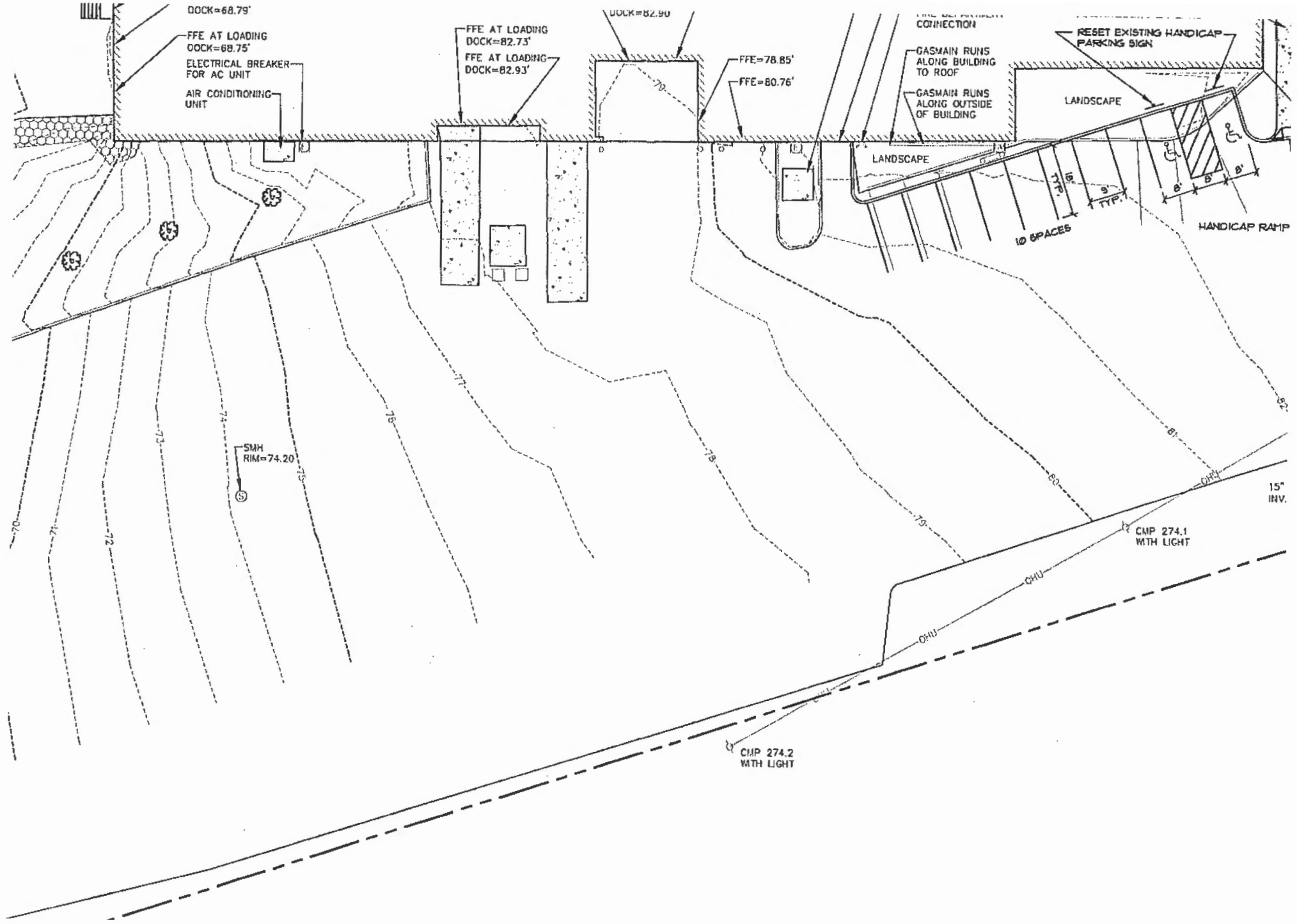
Natural Gas, m ³ /hr. (cfh) at % load	Rating
Standby Fuel Consumption at 100% load	54.7 m ³ /hr. (1930 cfh)
Standby Fuel Consumption at 75% load	42.9 m ³ /hr. (1512 cfh)
Standby Fuel Consumption at 50% load	31.5 m ³ /hr. (1112 cfh)
Standby Fuel Consumption at 25% load	20.0 m ³ /hr. (707 cfh)
Standby Fuel Consumption at 0% load	10.4 m ³ /hr. (369 cfh)

Dimensions and Weights

Overall Size, L x W x H, mm (in.):	2800 x 1120 x 1538 (110.2 x 44.1 x 60.6)
Weight (radiator model), wet, kg (lb.):	1440 (3175)



NOTE: This drawing is provided for reference only and should not be used for planning installation. Contact your local distributor for more detailed information.





TECHNICAL DATA
FROM
Anemostat[®]
DOOR PRODUCTS
A MESTEK COMPANY

P.O. BOX 4938 • 1220 WATSONCENTER ROAD
CARSON, CA 90745-4206
(310) 835-7500 • FAX (310) 835-0448
e-mail: sales@anemostat.com • website: www.anemostat.com

FLDL-UL
FUSIBLE LINK
LOUVER

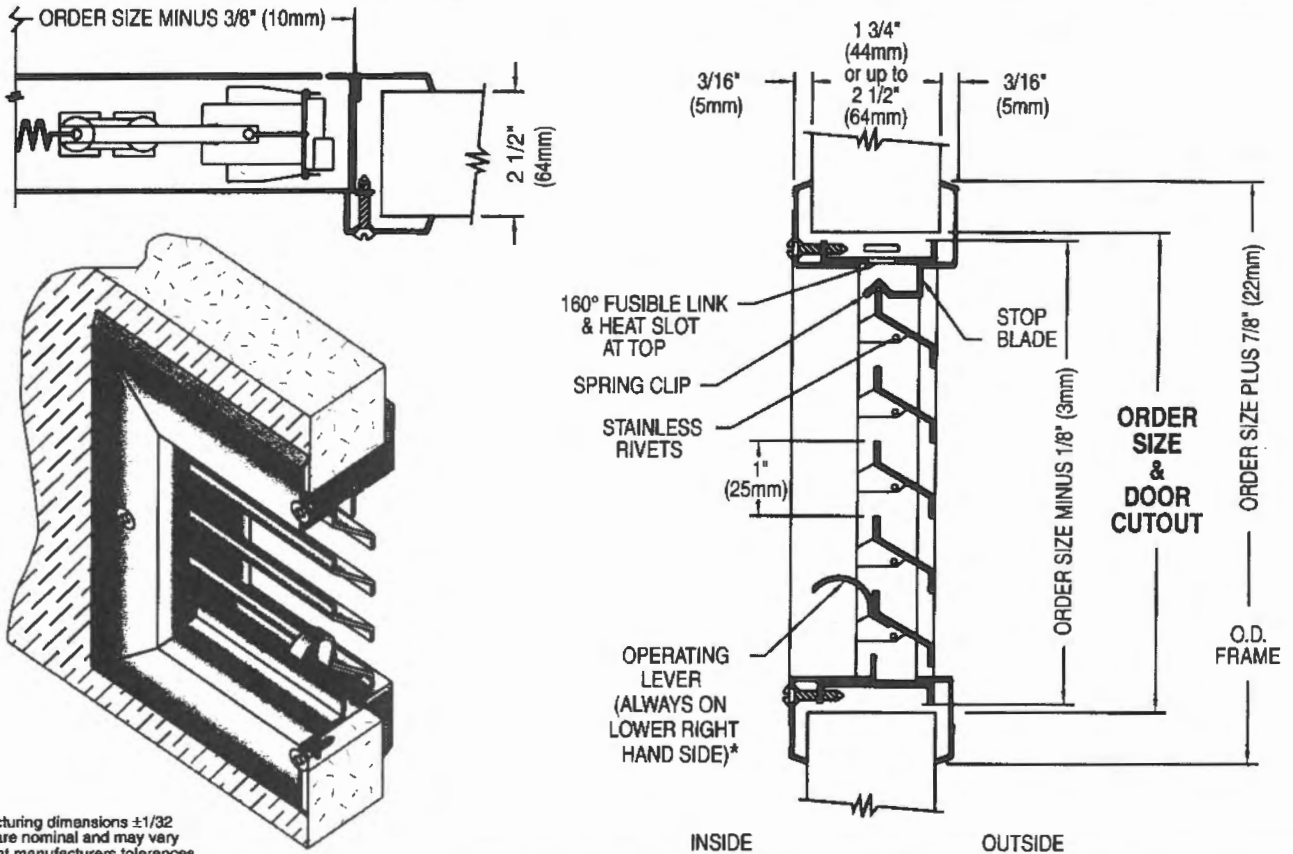


FIRE
RATINGS

UNDERWRITERS'
LABORATORIES
FILE #R77776

B.S.-476.22
British Standard

DETAIL DRAWING



Anemostat manufacturing dimensions ±1/32
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.

STANDARD PRODUCT FEATURES

- **MATERIAL:** 18 GA. Cold Rolled Steel Frame and Louver Blades, 16 GA. inner support members.
- **FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- **INSTALLATION:** Self attaching using #8 x 1" phillips head screws that fasten the auxiliary frame to the louver core, thru the cut out in the door. The corridor side of the frame is free of fasteners for added security.
- **DOOR THICKNESS:** 1 3/4" Door is Standard. Also available up to 2 1/2" Door (to maintain fire rating).
- **CLOSING ASSEMBLY:** Stainless steel operating springs assure proper action with the closing mechanism.
- **AESTHETICS:** Tight mitered corners and countersunk mounting holes make for a clean appearance.
- **USES:** In fire rated door applications.
- **FREE AIR FLOW:** 40% Free Area.
- **NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.

OPTIONAL FEATURES

- **MATERIAL:** #304 or #316 Stainless Steel, #4 Finish (Satln), Galvanized (Coil or Electro Plated). Not available in Hot Dipped or Aluminum.
- **FINISH:** Custom Baked Enamel Colors (as per sample chip supplied by customer).
- **FASTENERS:** Special security screw fasteners, See page 14, this section.
- **SPECIALS:** Fractional sizes not available.
- **SCREENS:** 18-14 mesh insert screens, framed or attached. (Galvanized, Aluminum, Charcoal Aluminum, Stainless Steel). For detail drawings see pages 12 and 13, this section.
*When framed screen is specified, finger pull is on the opposite side.

FIRE RATINGS (with U.L. classification markings) Positive Pressure

- **20/45/60/90 MINUTE:** Approved listing (max width 24", max height 24") (min width 12", min height 6").

BS 476.22 Steel Doors - 2 hours. Tested to 610mm x 610mm
British Standard

- **IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

Job Name & Location	Submitted by

(7/06)
524A100B

For Most Current Info. Consult Factory or check our website: www.anemostat.com

FEBRUARY 2004
LOUVERS PAGE 3

Structural Integrity

Consulting Engineers, Inc.

September 7, 2012

Code Enforcement Officer
City of Portland
389 Congress Street, Room 315
Portland, ME 04101

Reference:
2301 Congress Street Renovation
Maine Printing
Portland, ME

Structural Integrity Job: #12-0048

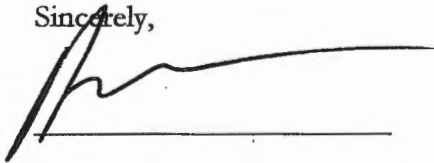
To whom it may concern,

This letter is to confirm that a representative of this office visited the above referenced site on multiple occasions to observe the completed RTU opening reinforcing, new front wall support framing, wind bracing, rear entrance ramp and associated foundations at the above referenced site.

Based on our observations and instructions to the contractor while on site, we are of the opinion that the construction has been completed in substantial conformance to the construction documents and should be accepted by the code official as such.

Please do not hesitate to call with any questions or if I can be of further assistance.

Sincerely,



Aaron C. Jones, P.E., SECB, LEED AP
President



RESIDENTIAL FIRE PROTECTION

September 7, 2012

Portland Fire Department
SFX 2301 Congress St.
Portland, Maine 04103

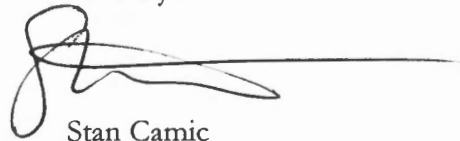
Attn: Ben Wallace

Re: SFX 2301 Congress St.
Fire Sprinkler System Renovation

Please be informed that the Wet Pipe Fire Sprinkler System renovation for the above project is designed, installed and tested based on the requirements of NFPA #13, State of Maine Fire Marshall's office and Portland Fire Department requirements.

If you have any questions or concerns please contact us at (207) 946-3473

Thank you

A handwritten signature in black ink, appearing to read 'Stan Camic', with a long horizontal line extending to the right.

Stan Camic

64 DAGGETT HILL RD. • GREENE, MAINE • 04236
PHONE: (207) 946-3473 • FAX: (207) 946-3474

Protection Professionals

FIRE ALARM AND EMERGENCY COMMUNICATION SYSTEM INSPECTION AND TESTING FORM

Date of this inspection or test: 9-4-2012

Time of inspection or test: 11:00

1. PROPERTY INFORMATION

Name of property: SFX

Address: 2275 CONGRESS STREET PORTLAND MAINE

Description of property: WAREHOUSE OFFICE

Occupancy type: (Circle) Assembly / Education / Daycare / Healthcare / Ambulatory Healthcare / Detention / Residential
1 & 2 Family / Lodging / Hotel / Dormitory / Apt / Res Board / Mercantile / Bus / Industrial / Storage

Name of property representative:

Address:

Phone:

Fax:

E-mail:

Authority having jurisdiction over this property:

Phone:

Fax:

E-mail:

2. INSTALLATION, SERVICE, AND TESTING CONTRACTOR INFORMATION

Service and/or testing organization for this equipment: Protection Professionals

Address: 325 US Route 1, Falmouth, ME 04105

Phone: 207-775-5755

Fax: 207-781-2064

E-mail: mail@protectionprofessionals.net

Service technician or tester: JEREMY LAMBERT

Qualifications of technician or tester: NICET Certified Technician

I.M.S.A

Licensed

A contract for test and inspection in accordance with NFPA standards is in effect as of:

The contract expires:

Contract number:

Frequency of tests and inspections: Annual

Monitoring organization for this equipment:

Entity to which alarms are retransmitted:

Phone:

3. TYPE OF SYSTEM OR SERVICE

Fire alarm system (nonvoice)

Fire alarm with in-building fire emergency voice alarm communication system (EVACS)

Mass notification system (MNS)

Combination system, with the following components:

Fire alarm

EVACS

MNS

Two-way, in-building, emergency communication system

NFPA 72 Fig. 14.6.2.4 (p. 1 of 13)

Protection Professionals

Other (specify): _____

3. TYPE OF SYSTEM OR SERVICE (continued)

NFPA 72 edition: TESTED TO 2010 Additional description of system(s): _____

3.1 Control Unit

Manufacturer: SIEMENS CERBERUS PRO Model number: FC-901

3.2 Mass Notification System

This system does not incorporate an MNS

3.2.1 System Type:

In-building MNS—combination

In-building MNS—stand-alone Wide-area MNS Distributed recipient MNS

Other (specify): _____

3.2.2 System Features:

Combination fire alarm/MNS MNS ACU only Wide-area MNS to regional national alerting interface

Local operating console (LOC) Direct recipient MNS (DRMNS) Wide-area MNS to DRMNS interface

Wide-area MNS to high-power speaker array (HPSA) interface In-building MNS to wide-area MNS interface

Other (specify): _____

3.3 System Documentation

An owner's manual, a copy of the manufacturer's instructions, a written sequence of operation, and a copy of the record record drawings are stored on site. Location: DOCUMENT CABINET FACP ROOM

3.4 System Software

This system does not have alterable site-specific software.

Software revision number: _____ Software last updated on: _____

A copy of the site-specific software is stored on site. Location: _____

4. SYSTEM POWER

4.1 Control Unit

4.1.1 Primary Power

Input voltage of control panel: 120VAC Control panel amps: 5AMPS

4.1.2 Engine-Driven Generator

This system does not have a generator.

Location of generator: N/A

Location of fuel storage: N/A Type of fuel: N/A

4.1.3 Uninterruptible Power System

This system does not have UPS.

Equipment powered by a UPS system: N/A

Location of UPS system: N/A

Calculated capacity of UPS batteries to drive the system components connected to it:

In standby mode (hours): N/A In alarm mode (minutes): N/A

NFPA 72 Fig. 14.6.2.4 (p. 2 of 13)

Protection Professionals

4. SYSTEM POWER (continued)

4.1.4 Batteries

Location: _____ Type: SLA Nominal voltage: 24VDC Amp/hour rating: 12AH

Calculated capacity of batteries to drive the system:

In standby mode (hours): 24HRS In alarm mode (minutes): 5MIN

Batteries are marked with date of manufacture.

4.2 In-Building Fire Emergency Voice Alarm Communication System or Mass Notification System

This system does not have an EVACS or MNS.

4.2.1 Primary Power

Input voltage of EVACS or MNS panel: _____ N/A EVACS or MNS panel amps: _____ N/A

4.2.2 Engine-Driven Generator

This system does not have a generator.

Location of generator: _____ N/A

Location of fuel storage: _____ N/A Type of fuel: _____ N/A

4.2.3 Uninterruptible Power System

This system does not have a UPS.

Equipment powered by a UPS system: _____ N/A

Location of UPS system: _____ N/A

Calculated capacity of UPS batteries to drive the system components connected to it:

In standby mode (hours): _____ N/A In alarm mode (minutes): _____ N/A

4.2.4 Batteries

Location: _____ N/A Type: _____ N/A Nominal voltage: _____ N/A Amp/hour rating: _____ N/A

Calculated capacity of batteries to drive the system:

In standby mode (hours): _____ N/A In alarm mode (minutes): _____ N/A

Batteries are marked with date of manufacture.

4.3 Notification Appliance Power Extender Panels

This system does not have power extender panels.

4.3.1 Primary Power

Input voltage of power extender panel(s): 120VAC Power extender panel amps: 5AMPS

4.3.2 Engine-Driven Generator

This system does not have a generator.

Location of generator: _____ N/A

Location of fuel storage: _____ N/A Type of fuel: _____ N/A

4.3.3 Uninterruptible Power System

This system does not have a UPS.

Equipment powered by a UPS system: _____ N/A

Location of UPS system: _____ N/A

Calculated capacity of UPS batteries to drive the system components connected to it:

In standby mode (hours): _____ N/A In alarm mode (minutes): _____ N/A

NFPA 72 Fig. 14.6.2.4 (p. 3 of 13)

Protection Professionals

4. SYSTEM POWER (continued)

4.3.4 Batteries

Location: IN PANEL Type: SLA Nominal voltage: 24VDC Amp/hour rating: 7AH

Calculated capacity of batteries to drive the system:

In standby mode (hours): 24HRS In alarm mode (minutes): 5MIN

Batteries are marked with date of manufacture.

5. ANNUNCIATORS

This system does not have annunciators.

5.1 Location and Description of Annunciators

Annunciator 1: N/A

Annunciator 2: N/A

Annunciator 3: N/A

6. NOTIFICATIONS MADE PRIOR TO TESTING

Monitoring organization	Contact: RAPID RESPONSE	Time: 11:30
Building management	Contact: _____	Time: _____
Building occupants	Contact: _____	Time: _____
Authority having jurisdiction	Contact: _____	Time: _____
Other, if required	Contact: _____	Time: _____

7. TESTING RESULTS

7.1 Control Unit and Related Equipment

Description	Visual Inspection	Functional Test	Comments
Control unit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Lamps/LEDs/LCDs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Fuses	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Trouble signals	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Disconnect switches	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Ground-fault monitoring	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Supervision	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Local annunciator	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Remote annunciators	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Power extender panels	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Isolation modules	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Other (specify) _____	<input type="checkbox"/>	<input type="checkbox"/>	N/A

NFPA 72, Fig. 14.5.2.4 (p. 4 of 13)

Protection Professionals

7. TESTING RESULTS (continued)

7.2 Control Unit Power Supplies

Description	Visual Inspection	Functional Test	Comments
120-volt power	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
Generator or UPS	<input type="checkbox"/>	<input type="checkbox"/>	
Battery condition	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Load voltage	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
Discharge test	<input type="checkbox"/>	<input type="checkbox"/>	
Charger test	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Other (specify) _____	<input type="checkbox"/>	<input type="checkbox"/>	N/A

7.3 In-Building Fire Emergency Voice Alarm Communications Equipment

Description	Visual Inspection	Functional Test	Comments
Control unit	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Lamps/LEDs/LCDs	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Fuses	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Primary power supply	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Secondary power supply	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Trouble signals	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Disconnect switches	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Ground-fault monitoring	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Panel supervision	<input type="checkbox"/>	<input type="checkbox"/>	N/A
System performance	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Sound pressure levels Occupied <input type="checkbox"/> Yes <input type="checkbox"/> No Ambient dBA Alarm dBA (attach report with locations, values, and weather conditions)	<input type="checkbox"/>	<input type="checkbox"/>	N/A
System intelligibility <input type="checkbox"/> CSI <input type="checkbox"/> STI (attach report with locations, values, and weather conditions)	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Other (specify) _____	<input type="checkbox"/>	<input type="checkbox"/>	N/A

Protection Professionals

7. TESTING RESULTS (continued)

7.4 Notification Appliance Power Extender Panels

Description	Visual Inspection	Functional Test	Comments
Lamps/LEDs/LCDs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Fuses	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Primary power supply	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
Secondary power supply	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
Trouble signals	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
Ground-fault monitoring	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
Panel supervision	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
Other (specify)	<input type="checkbox"/>	<input type="checkbox"/>	N/A

7.5 Mass Notification Equipment

Description	Visual Inspection	Functional Test	Comments
Functional test	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Reset/power down test	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Fuses	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Primary power supply	<input type="checkbox"/>	<input type="checkbox"/>	N/A
UPS power test	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Trouble signals	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Disconnect switches	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Ground-fault monitoring	<input type="checkbox"/>	<input type="checkbox"/>	N/A
CCU security mechanism	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Prerecorded message content	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Prerecorded message activation	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Software backup performed	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Test backup software	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Fire alarm to MNS interface	<input type="checkbox"/>	<input type="checkbox"/>	N/A
MNS to fire alarm interface	<input type="checkbox"/>	<input type="checkbox"/>	N/A
In-building MNS to wide-area MNS	<input type="checkbox"/>	<input type="checkbox"/>	N/A

Protection Professionals

7. TESTING RESULTS (continued)

7.5 Mass Notification Equipment (continued)

Description	Visual Inspection	Functional Test	Comments
MNS to direct recipient MNS	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Sound pressure levels Occupied <input type="checkbox"/> Yes <input type="checkbox"/> No Ambient dBA Alarm dBA (attach report with locations, values, and weather conditions)	<input type="checkbox"/>	<input type="checkbox"/>	N/A
System intelligibility <input type="checkbox"/> CSI <input type="checkbox"/> STI (attach report with locations, values, and weather conditions)	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Other (specify) _____	<input type="checkbox"/>	<input type="checkbox"/>	N/A

7.6 Two-Way Communications Equipment

Description	Visual Inspection	Functional Test	Comments
Phone handsets	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Phone jacks	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Off-hook indicator	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Call-in signal	<input type="checkbox"/>	<input type="checkbox"/>	N/A
System performance	<input type="checkbox"/>	<input type="checkbox"/>	N/A
System audibility	<input type="checkbox"/>	<input type="checkbox"/>	N/A
System intelligibility	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Radio communications enhancement system	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Area of refuge communication system	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Elevator emergency communications system	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Other (specify) _____	<input type="checkbox"/>	<input type="checkbox"/>	N/A

Protection Professionals

7. TESTING RESULTS (continued)

7.7 Combination Systems

Description	Visual Inspection	Functional Test	Comments
Fire extinguishing monitoring devices/system	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Carbon monoxide detector/system	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Combination fire/security system	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Other (specify) _____	<input type="checkbox"/>	<input type="checkbox"/>	N/A

7.8 Special Hazard Systems

Description (specify)	Visual Inspection	Functional Test	Comments
	<input type="checkbox"/>	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	<input type="checkbox"/>	N/A

7.9 Emergency Communications System

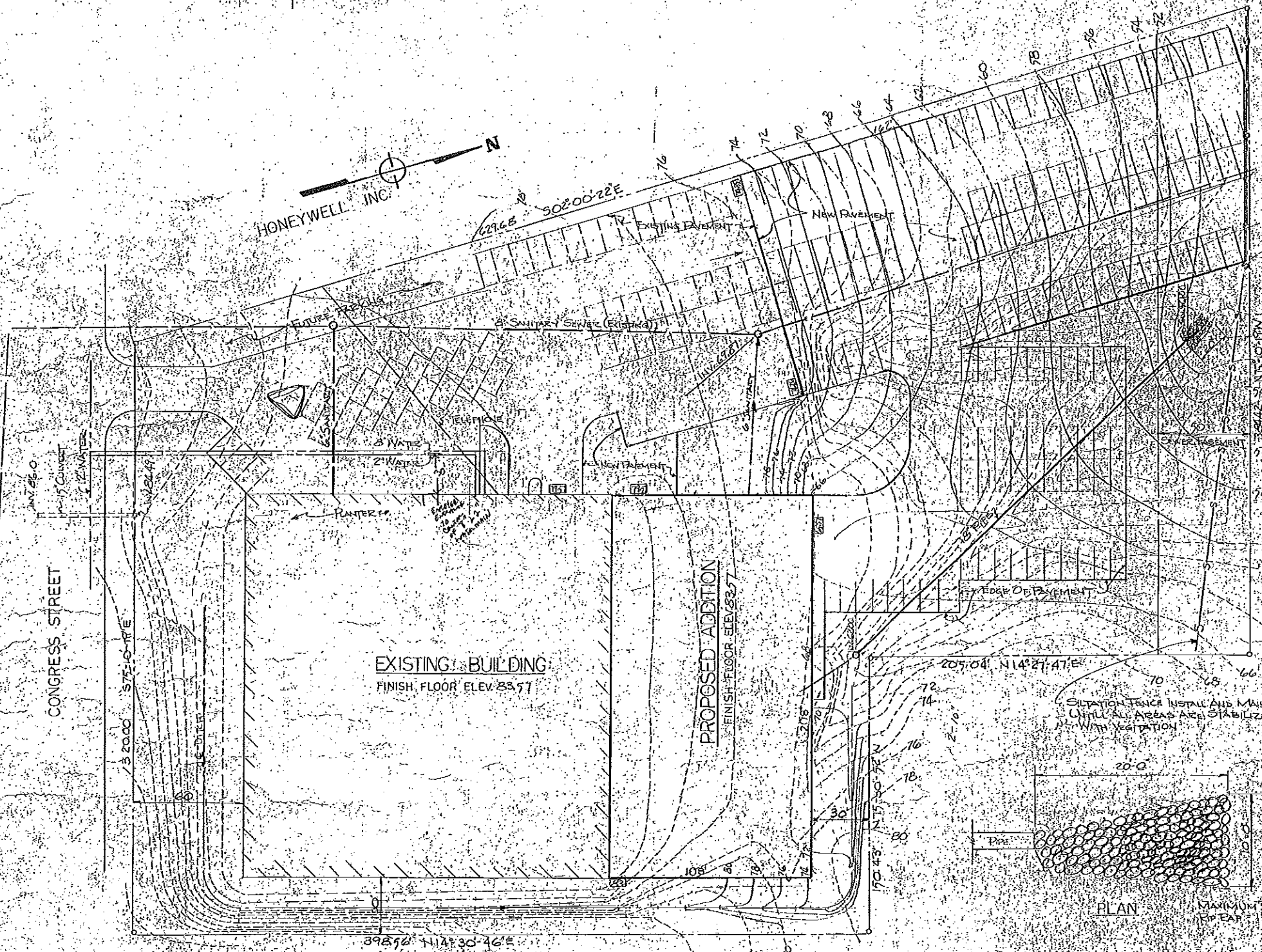
- Visual
- Functional
- Simulated operation
- Ensure pre-discharge notification appliances of special hazard systems are not overridden by the MNS.
See *NFPA 72*, 24.4.1.7.1.

7.10 Monitored Systems

Description (specify)	Visual Inspection	Functional Test	Comments
Engine-driven generator	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Fire pump	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Special suppression systems	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Other (specify) _____	<input type="checkbox"/>	<input type="checkbox"/>	N/A



HONEYWELL INC.



EXISTING BUILDING
FINISH FLOOR ELEV. 83.57

PROPOSED ADDITION
FINISH FLOOR ELEV. 83.7

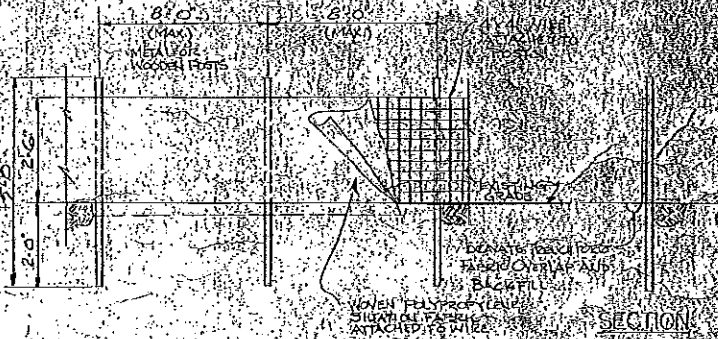
CONGRESS STREET

MAINE CREDIT UNION

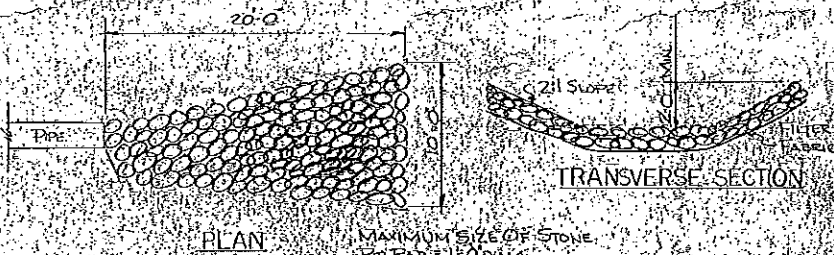
SITE PLAN
1"=30'



LOCATION MAP

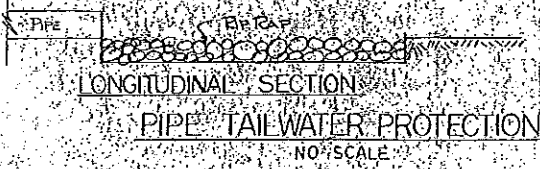


SILTATION FENCE
NO SCALE



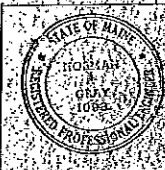
PLAN
MAXIMUM SIZE OF STONE
10" DIA.

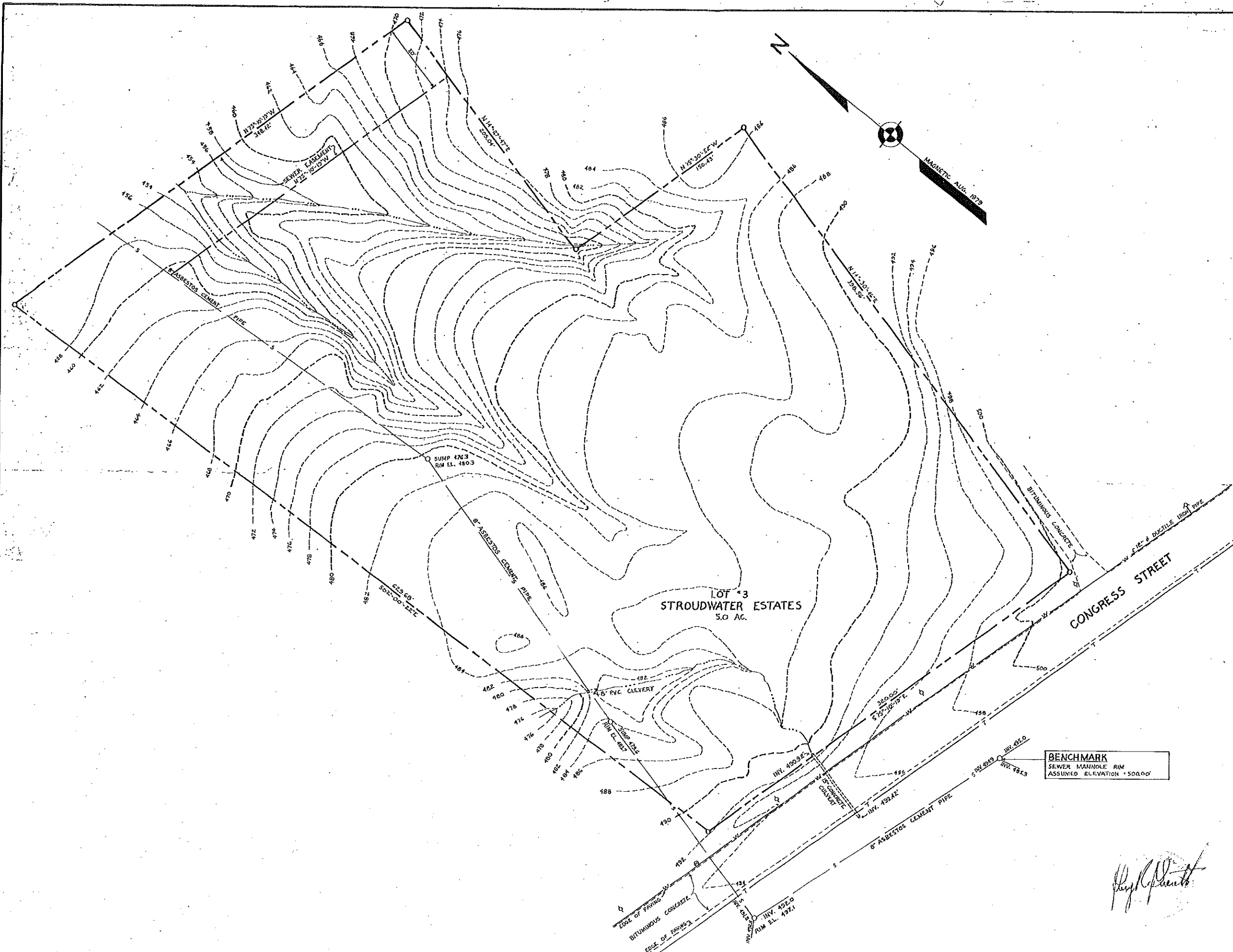
TRANSVERSE SECTION



LONGITUDINAL SECTION
PIPE TAILWATER PROTECTION
NO SCALE

4/7/87	Approved for Plans
12/16/86	Approved for Plans
12/1/86	Checked for Plans
SITE PLAN	
BUILDING ADDITION FOR MAINE PRINTING (CONGRESS STREET) PORTLAND, MAINE	
GENERAL CONTRACTOR PLEASANT HILL ROAD SCARBOROUGH, MAINE	
CONSULTING ENGINEER NORMAN GRAY LONGWHARF COMMERCIAL ST. PORTLAND, MAINE	
SCALE: 1"=30'	DATE: 4-1-86





GENERAL NOTES

1. REFERENCE IS MADE TO "FINAL PLAN, PHASE 1," OF STROUDWATER ESTATES SUBDIVISION DATED 9-10-79, SURVEYED BY LAND USE CONSULTANTS, INC., PORTLAND, MAINE.
2. BENCH MARK IS ASSUMED DATUM ELEV. 500.00' ON MANHOLE RIM.

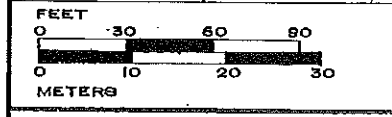
LEGEND

	EXISTING CONTOUR
	PROPERTY LINE
	IRON PIPE FOUND
	EXISTING SANITARY SEWER
	EXISTING UTILITY POLE
	EXISTING WATER LINE
	HYDRANT
	EXISTING UNDERGROUND TELEPHONE CABLE
	EDGE OF PAVING
	WATER GATE VALVE

DATE: *10/24/79* REVISIONS:

A TOPOGRAPHIC SURVEY OF LAND FOR
MAINE PRINTING COMPANY
 LOT 3, STROUDWATER ESTATES
 OUTER CONGRESS STREET
 PORTLAND, MAINE

DATE: OCT. 24, 1979 JOB NO: 924 82
 DRN: B16 CHK: *lyk* FIELD BK: 16
 SCALE: 1" = 30' SHEET 1 OF 12



BENCHMARK
 SEWER MANHOLE RIM
 ASSUMED ELEVATION 500.00'

Handwritten signature

Land Use Consultants, Inc.
 866 REVERSHO STREET PORTLAND, MAINE 04103 207-797-8187
 LAND PLANNERS ENGINEERS SURVEYORS

Contractor's Material and Test Certificate for

A. Procedure (Conforms to NFPA 13-1994)

Upon completion of work, inspection and tests shall be made by the contractor's representative and witnessed by an owner's representative. All defects shall be corrected and system left in service before contractor's personnel finally leave the job. A certificate shall be filled out and signed by both representatives. Copies shall be prepared for approving authorities, owners and contractor. It is understood the owner's representative's signature in no way prejudices any claim against contractor for faulty material, poor workmanship, or failure to comply with approving authority's requirements or local ordinances. All "No" answers shall be explained in the Comments portion of this form.

Property Name: SFX
 Property Address: 2301 Congress Parkways Date: 9-7-12

B. Plans

- Accepted by Approving Authorities (Names): SFX
- Address: Fire Marshall's Office Yes No
- Installation conforms to accepted plans Yes No
- Equipment used is approved Yes No

C. Instructions

- Has person in charge of fire equipment been instructed as to location of control valves and care and maintenance of this new equipment Yes No
- Have copies of the following been left on the premises:
 - a. System components instructions Yes No
 - b. Care and maintenance instructions Yes No
 - c. NFPA 25 Yes No

D. Location of system - Supplies building: Law Center

E. Sprinklers

Make	Model	Year Made	Orifice	Quantity	Temperature
<u>Viking</u>	<u>VK102</u>	<u>2012</u>	<u>1/2</u>	<u>37</u>	<u>155</u>
<u>Viking</u>	<u>VK305</u>	<u>2012</u>	<u>1/2</u>	<u>6</u>	<u>155</u>

F. Pipe and Fittings

- Type of Pipe: Black Iron sch 40
- Type of Fittings: cast

G. Alarm Valve or Flow Indicator

Type	Make	Model	Max. Time to Operate Through Insp. Test

H. Dry-Pipe Valve

- Make and Model: _____
- Serial Number: _____

I. Quick Opening Device (Q.O.D.)

- Make and Model: _____
- Serial Number: _____

J. Dry-Pipe System Operating Test Without Q.O.D.

- Time to trip through test connection*: _____
- Water pressure _____ psi. Air pressure _____ psi.
- Trip point air pressure _____ psi.
- Time water reached test outlet*: _____

K. Dry-Pipe System Operating Test With Q.O.D.

- Time to trip through test connection*: _____ Yes No
- Water pressure _____ psi. Air pressure _____ psi.
- Trip point air pressure _____ psi.
- Time water reached test outlet*: _____ Yes No

L. Deluge and Preaction Valves

- Make and Model: _____ Yes No
- Operation: Pneumatic Electric Hydraulic
- Piping and detecting media supervised Yes No
- Does valve operate from manual trip and/or remote control stations Yes No
- Is there an accessible facility in each circuit for testing Yes No
- Does each circuit operate supervision loss alarm Yes No
- Does each circuit operate valve release Yes No
- Maximum time to operate release: _____

M. Pressure Reducing Valve

- Location and Floor: _____
- Make and Model: _____
- Setting: _____
- Static Pressure: Inlet _____ psi, Outlet _____ psi
- Residual Pressure (Flowing): Inlet _____ psi, Outlet _____ psi
- Flow Rate: _____ gpm

measured from time inspectors test connection is opened

Aboveground Piping

N. Test Description

Hydrostatic: Hydrostatic tests shall be made at not less than 200 psi (13.6 bars) for two hours or 50 psi (3.4 bars) above static pressure in excess of 150 psi (10.2 bars) for two hours. Differential dry-pipe valve clappers shall be left open during test to prevent damage. All aboveground piping leakage shall be stopped.

Pneumatic: Establish 40 psi (2.7 bars) air pressure and measure drop, which shall not exceed 1.5 psi (0.1 bars) in 24 hrs. Test pressure tanks at normal water level and air pressure and measure air pressure drop, which shall not exceed 1.5 psi (0.1 bars) in 24 hrs.

O. Tests

- All piping hydrostatically tested at city psi for 2 hours
- Dry piping pneumatically tested N/A Yes No
- Equipment operates properly Yes No
- Do you certify as the sprinkler contractor that additives and corrosive chemicals, sodium silicate or derivatives of sodium silicate, brine, or other corrosive chemicals were not used for testing systems or stopping leaks? Yes No

5. Drain Test:

- Static pressure reading of gage located near water supply connection 33 psi.
- Residual pressure with valve in test connection open wide 30 psi.
- Underground mains and lead in connections to risers flushed before connection made to sprinkler piping and verified by copy of form No. 13-U Yes No
- Flushed by installer of underground piping Yes No
- If powder driven fasteners are used in concrete, has representative sample testing been satisfactorily completed? N/A Yes No

P. Blank Testing Gaskets

- Number used: NONE
- Locations: _____

3. Number removed: _____

Q. Welded Piping - If welded piping was used in the system, complete the following:

- Do you certify as the sprinkler contractor that welding procedures comply with the requirements of at least AWS D10.9, Level AR-3 Yes No
- Do you certify that the welding was performed by welders qualified in compliance with the requirements of at least AWS D10.9, Level AR-3 Yes No
- Do you certify that welding was carried out in compliance with a documented quality control procedure to insure that all discs are retrieved, openings in the pipe are smooth, slag and other welding residue are removed, and the internal diameters of piping are not penetrated Yes No

R. Cutouts (Disks)

Do you certify that you have a control feature to ensure that all cutouts (disks) are retrieved? Yes No

S. Hydraulic Data Nameplate Provided Yes No

T. Date left in service (with all control valves open): 9-7-12

U. Signatures

- Name of sprinkler contractor: Residential Fire Prot.
- Tests witnessed by: _____
 For property owner (Signed): _____ Date: _____
 Title: _____

For sprinkler contractor (Signed): _____ Date: 9-7-12

Title: SAFETY

V. Comments (This section is for additional explanation and notes. All "No" answers must be explained here.)

Check here if comments continue on reverse side of this form