



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

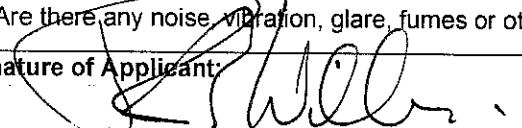
CONSULTANT/AGENT

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: <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

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.



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

RECEIVED

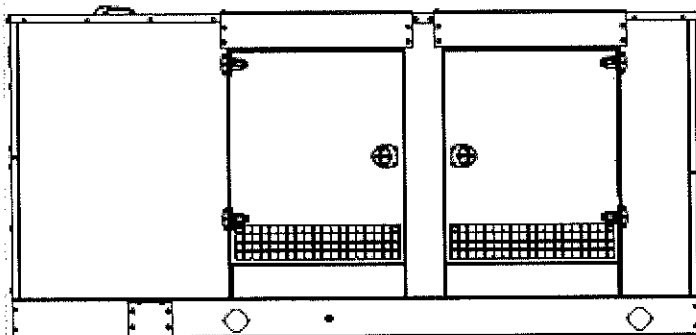
IMPORTANT NOTICE TO APPLICANT: The granting of an Administrative Authorization to exempt a development from site plan review does not exempt this proposal from other required approvals or permits, nor is it an authorization for construction. You should first check with the Building Inspections Office,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

City of Portland
Planning Division



KOHLER POWER SYSTEMS

9001
KOHLER
POWER SYSTEMS
NATIONALLY REGISTERED

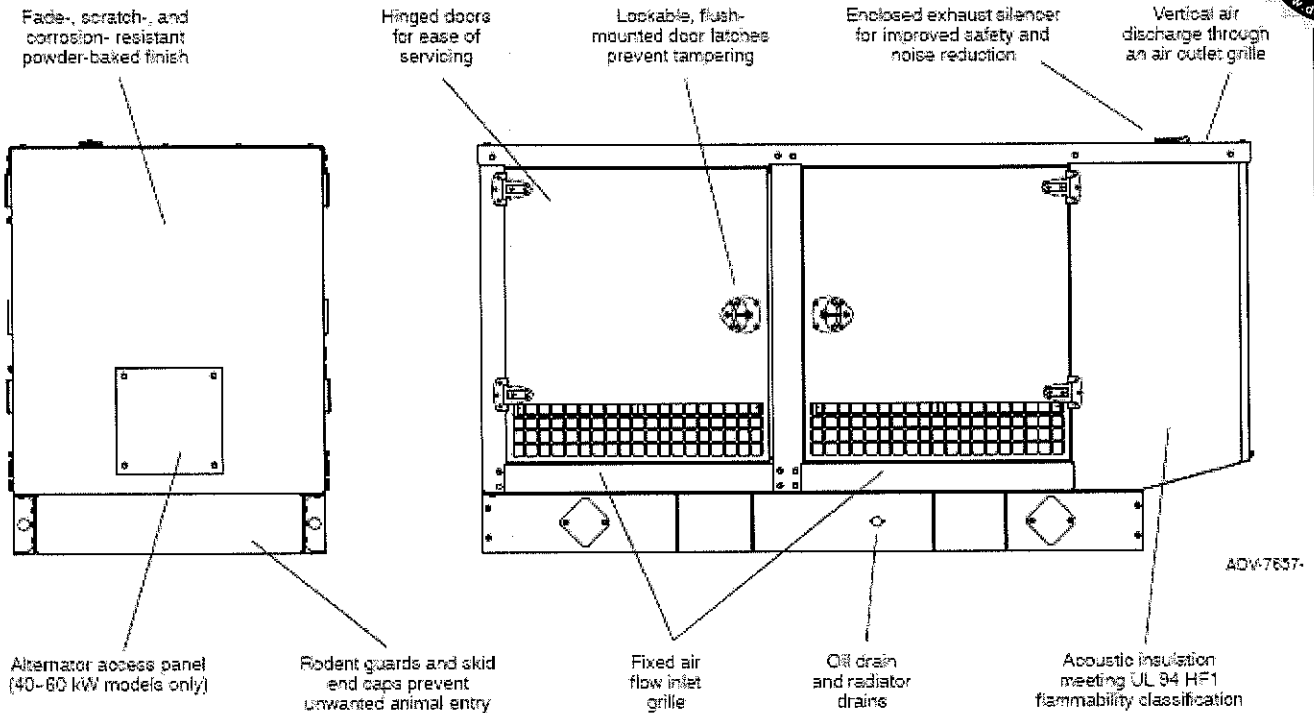


Sound Enclosure Standard Features

- 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



Enclosure ships assembled on generator set skid when ordered installed.
 Note: 40-60 kW shown, other models are similar.

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

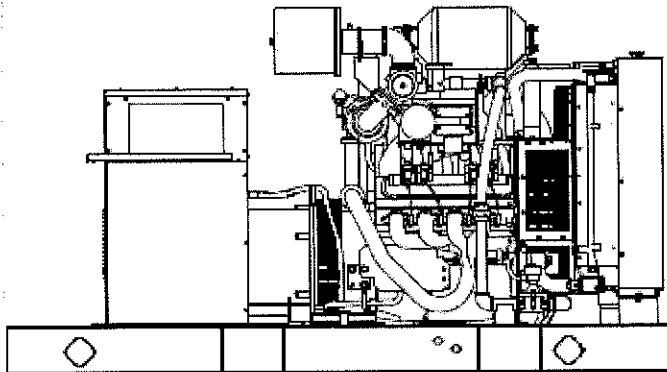
- 1 Run Relay, 12V
- 1 DEC3000 2Input/5Output
- 1 Additional Gas Solenoid Valve
- 1 Air Cleaner Restriction Ind
- 1 Rodent Guards, Non CSA, for 4SX
- 1 Coolant in Genset 6 gals.
- 1 Flexible Fuel Line (Nat/LP)
- 1 Warranty, 1 Year Standby
- 1 Warranty, 2 Year Basic
- 1 RSA II, Annunciator Only
- 1 RSA 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
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, m³/min. (scfm) *	340 (12000)
Combustion air, m³/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)

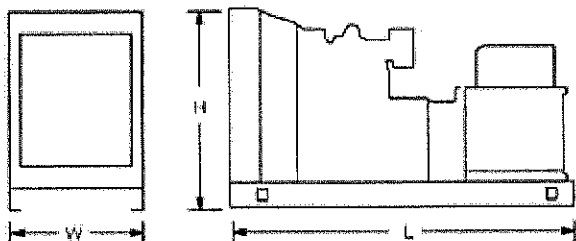
*Air density = 1.20 kg/m³ (0.075 lbm/ft³)

Fuel Consumption

Natural Gas, m³/hr. (cfh) at % load	Rating
Standby Fuel Consumption at 100% load	54.7 m³/hr. (1930 cfh)
Standby Fuel Consumption at 75% load	42.9 m³/hr. (1512 cfh)
Standby Fuel Consumption at 50% load	31.5 m³/hr. (1112 cfh)
Standby Fuel Consumption at 25% load	20.0 m³/hr. (707 cfh)
Standby Fuel Consumption at 0% load	10.4 m³/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.

SIBAGO

T E C H N I C S

June 18, 2012
12153

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

RECEIVED

JUN 22 2012

City of Portland
Planning Division

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 enclose 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

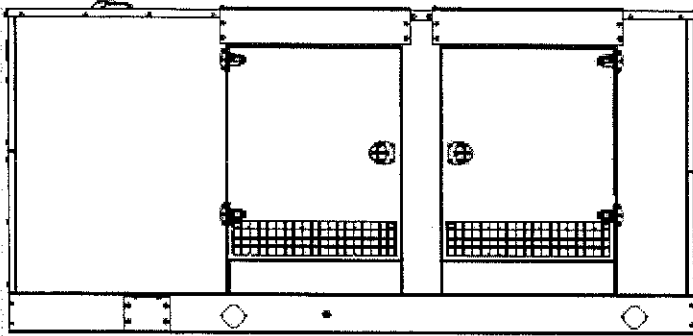
DLR/dir:kn
Enc.



KOHLER POWER SYSTEMS

Sound Enclosure

ISO 9001
KOHLER
POWER SYSTEMS
NATIONALLY REGISTERED

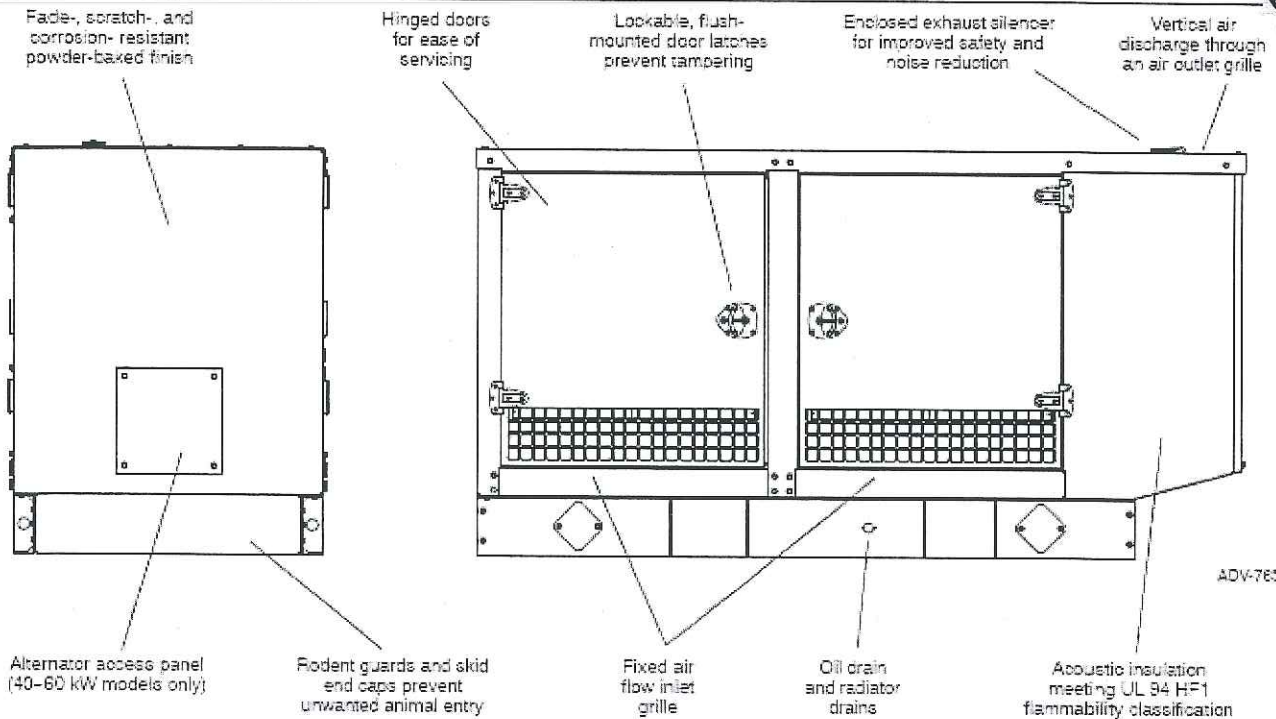


Sound Enclosure Standard Features

- 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



Enclosure ships assembled on generator set skid when ordered installed.
 Note: 40-60 kW shown, other models are similar.

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

KOHLER POWER SYSTEMS

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

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 C

Offer: TP-229-1

Version 1.

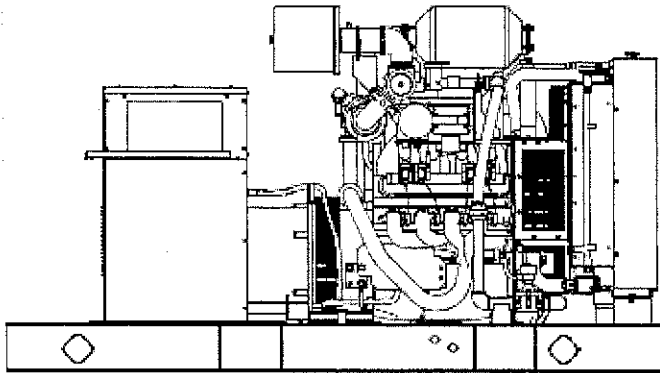
Page

- 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

Spec Sheets

KOHLER POWER SYSTEMS

ISO 9001
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 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, m³/min. (scfm) *	340 (12000)
Combustion air, m³/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)

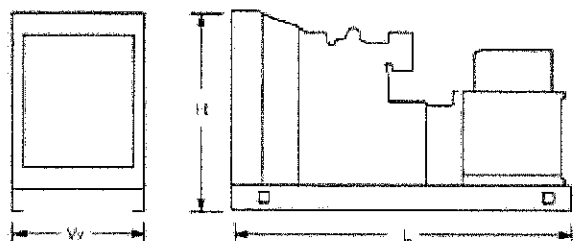
*Air density = 1.20 kg/m³ (0.075 lbm/ft³)

Fuel Consumption

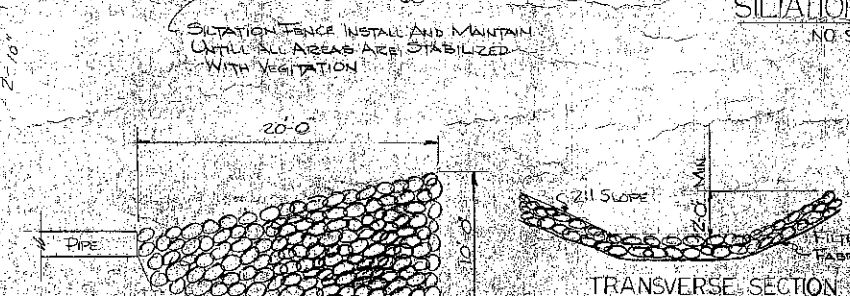
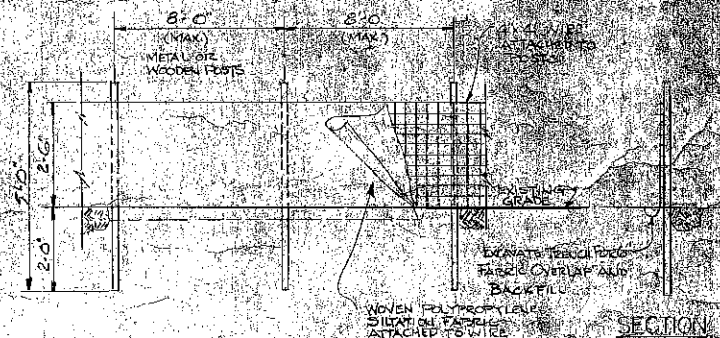
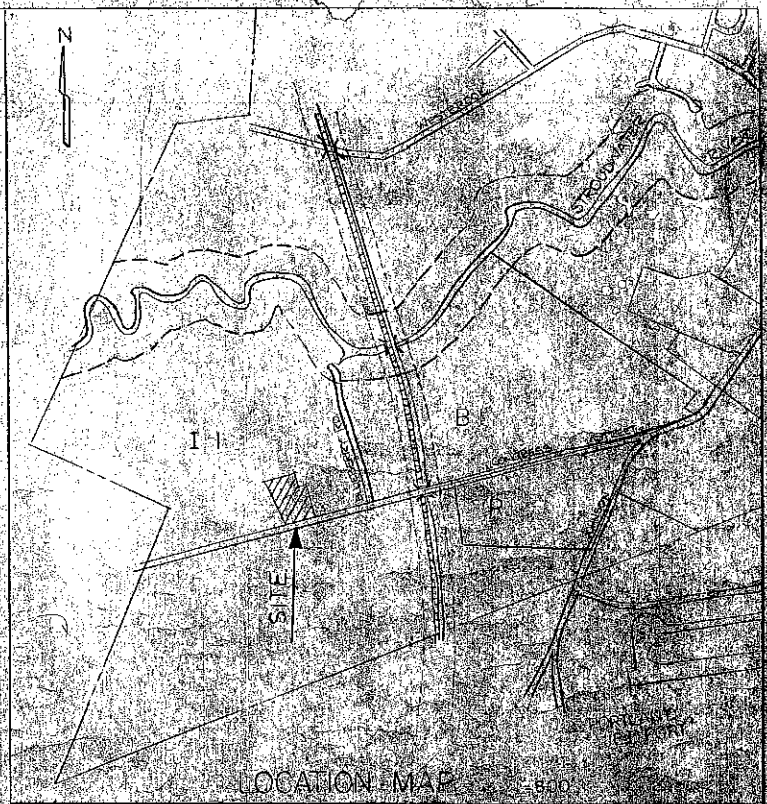
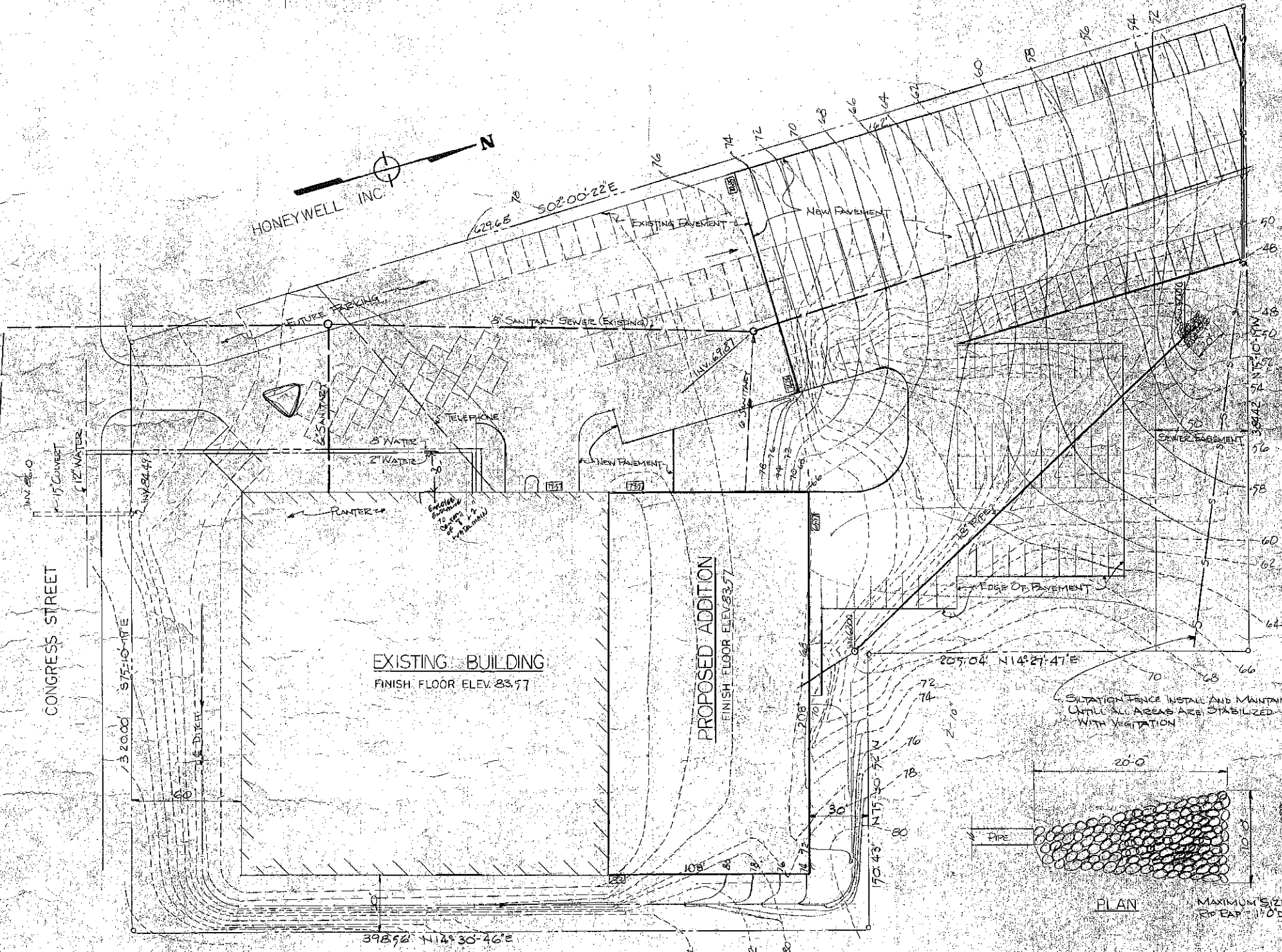
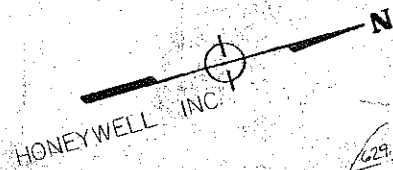
Natural Gas, m³/hr. (cfh) at % load	Rating
Standby Fuel Consumption at 100% load	54.7 m³/hr. (1930 cfh)
Standby Fuel Consumption at 75% load	42.9 m³/hr. (1512 cfh)
Standby Fuel Consumption at 50% load	31.5 m³/hr. (1112 cfh)
Standby Fuel Consumption at 25% load	20.0 m³/hr. (707 cfh)
Standby Fuel Consumption at 0% load	10.4 m³/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)

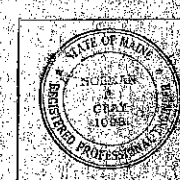


NOTE: This drawing is provided for reference only and should not be used for planning installation. Contact your local distributor for more detailed information.

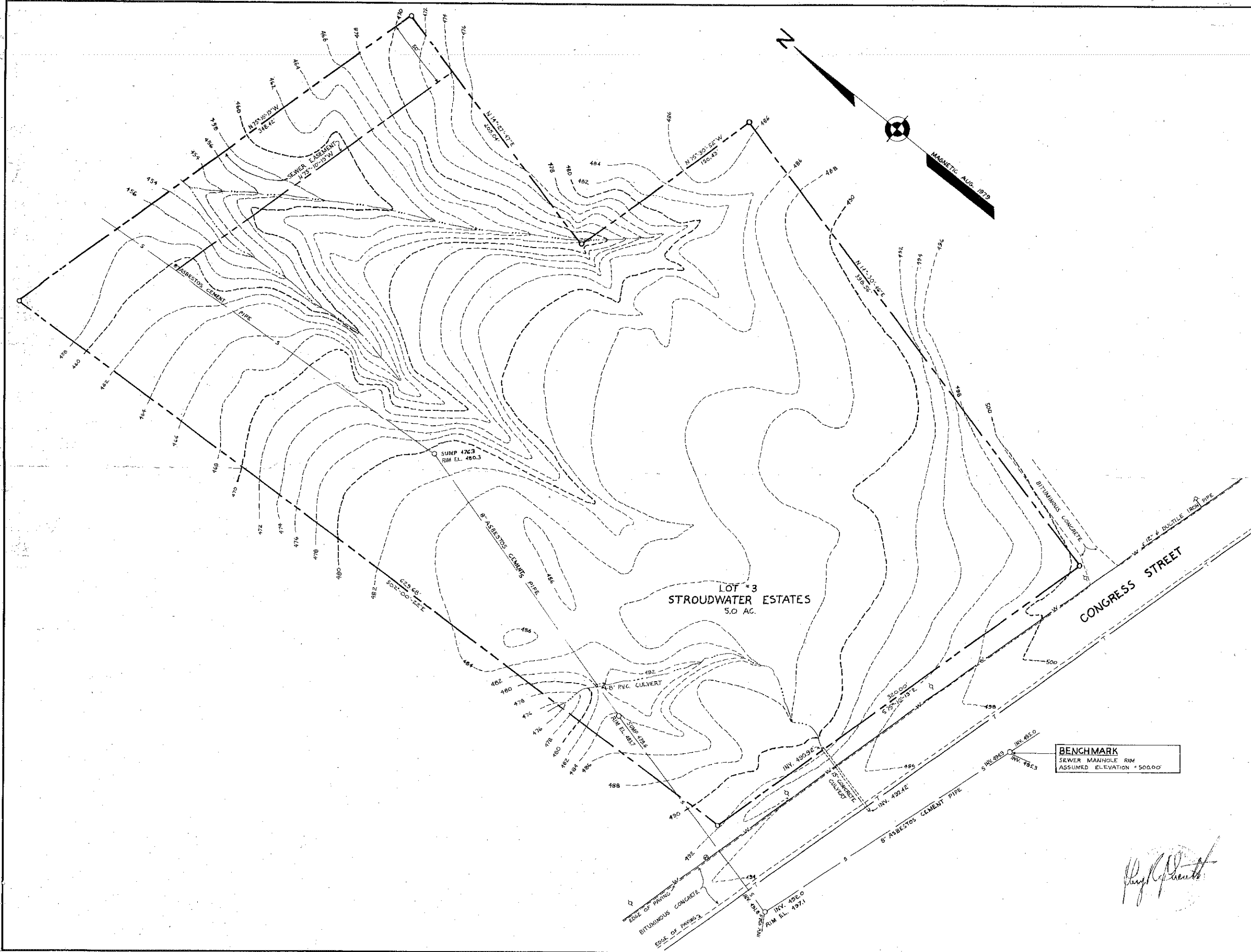


MAINE CREDIT UNION
 SITE PLAN
 1"=30'

PIPE TAILWATER PROTECTION
 NO SCALE



4-17-87	Added 40' STAIRS
12-18-86	Added 2nd Floor
8-1-86	Change Grade
SITE PLAN	
BUILDING ADDITION	
FOR	
MAINE PRINTING	
CONGRESS STREET	
PORTLAND, MAINE	
OMINO CONSTR CO	GENERAL CONTRACTOR
2 FASANT HILL ROAD	SCARBOROUGH, MAINE
NORMAN GRAY	CONSULTING ENGINEER
LONG WHARF COMMERCIAL ST	PORTLAND, MAINE
SCALE: 1"=30'	1 OF 8
DATE: 4-17-86	



GENERAL NOTES

1. REFERENCE IS MADE TO "FINAL PLAN, PHASE I," 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

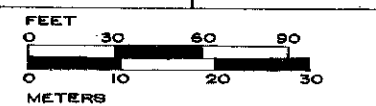
- - - - - EXISTING CONTOUR
- — — — — PROPERTY LINE
- IRON PIPE FOUND
- S — EXISTING SANITARY SEWER
- W — EXISTING WATER LINE
- A — HYDRANT
- T — EXISTING UNDERGROUND TELEPHONE CABLE
- - - - - EDGE OF PAVING
- ⊗ WATER GATE VALVE

DATE: _____ 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: 824 S2
DRN: B.J.G. CHK: [initials] FIELD BK: 16
SCALE: 1" = 30' SHEET 2 OF 12



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